

01642 Periphus of the Erythrean Son William Vincent



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THE



PERIPLUS

OFTHE

ERYTHREAN SEA.

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CONTRIBUNG, AN ACCOUNT OF

THE NAVIGATION OF THE ANCIENTS,

FROM THE TAK OF SURE TO THE COMP OF PAROPORAR.

WITH DISERTATIONS.

By WILLIAM VINCENT, D.D.

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CIT. AL ASTREE, ILL - TO C.

LONDON

Printed by A. Steiner, Printed Street, SOR T. CADIES, JUN. AND N. DAVIES IN THE STRAND. 1800.

387-52

Date 27 X 5 2

THE KING.

SIR,

While we contemplate the maritime power of Great Britain, raifed under the aufpices of Your Majesty to a pre-eminence unexampled in the annals of mankind; we view with equal pleasure those not less useful though less splendid efforts, which, under Your Majesty's immediate patronage and direction, have advanced the limits of discovery to that boundary

boundary which Nature has fixed as a barrier to the enterprize of man,

IT is due to the confummate abilities of the most experienced commanders, exercised under this patronage and direction, that a folution has been given to three of the greatest problems that concern the world which we inhabit; for it is now determined by a fuccession of voyages commenced and profecuted by Your Majesty's command, that the Entrance into the Pacifick Ocean by a passage either on the North West or North East is impracticable, and that the Existence of a great Southern Continent had nothing but theory for its support. It has likewise been ascertained that the longest voyages are not detrimental to life

life or health; and it has been proved by the execution of Your Majesty's commands, that distant nations may be visited, not for the purpose of subjugation, but for the interchange of mutual benefits, and for promoting the general intercourse of mankind.

In the profecution of these great designs, if we have seen science advancing to perfection, it is still an object of interesting curio-sity to turn our view back from the result to the origin, to trace navigation to its source, and discovery to its commencement.

This is the defign of the Work which I have now the honour to prefent to Your

A 2 Majesty

Majesty for protection; its merits must be left to future decision; but it is at least a tribute of gratitude offered to the patron of every science, in which the interests of navigation and geography are concerned. I have the honour to subscribe myself

YOUR MAJESTY'S

Most faithful

and most devoted

Subject and Servant,

WILLIAM VINCENT.

PREFACE.

Much disquisition upon a brief narrative is the professed design of the following work; a work which has encreased under my hands far beyond my calculation or design, and which I now publish incomplete, because, from the various interruptions of an active life, whatever may be my wish and object, I cannot pledge myself to bring it to a conclusion.

Such encouragement as I had reason to expect has not been wanting to my former Labours. Popular reputation I neither courted or declined; emolument I neither coveted or disclaimed; but if the approbation of many excellent and learned men be an object of ambition, I have had my reward.

To the censures which I incurred, I am not insensible; but if censure be not illiberal it is the part of prudence to turn it rather to the purpose of correction than offence. One charge only I shall notice; and that,

that, not because it was unjust, but because it originated in a misapprehension of my design. In the sew inflances where I ventured upon etymology, I did not expect the feverity which I have experienced. I had disclaimed all pretentions to oriental learning; I had hazarded my own conjectures, in order to excite attention and curiofity in others; I had never rested a single deduction of importance on any imaginary interpretation of my own, and still I have had the mortification to find that all my precautions were ineffectual. I thought that in treating of oriental questions, the conjectures of a classical man, even if erroneous, might have been pardonable; but I was miftaken: I have feen my error, and I shall avoid a repetition of the offence. etymological will occur in the following pages, but what will be proposed merely as matter of inquiry, or what can be referred to oriental authority for support.

In the Voyage of Nearchus I traced the intercourse with India to its source, a subject, as it has been called, "barren, but important:" and I now prosecute the same inquiry down to its completion, by the discoveries

of Gama, under difficulties still more discouraging to an Author. A work, relieved neither by the incidents of a voyage, or the occurrences of a journal, varied by no perfonal dangers or escapes, animated by no perfonal exertion or ability, however it may abound in information, can presume but little upon its powers of attraction. Fidelity, labour, and research, it is true, have their share of merit; but the approbation which they claim must be derived from those who can appreciate the value of talents which, though common to all, are exercised only by the few.

Refearch, indeed, affords a pleasure peculiar to itself; it presents an idea of discovery to the imagination of the inquirer; an intellectual pleasure, in which he statters himself others will be desirous to participate; and which, if he can communicate with satisfaction proportionate to his own, publication is not merely the indulgence of a propensity, but the exercise of a social duty.

I HAVE to return my thanks a second time to Mr.

Dalrymple, for his kindness in suffering me to copy two

of

of his charts; to Sir William Ouseley, for favouring me with the sheets of Ebn Haukel as they came from the press; to Dr. Charles Burney of Greenwich, and to Captain Francklin of the Bengal Establishment. I have likewise been again more particularly obliged to the Bishop of Rochester for his assistance in correcting the position of Meroè; on which subject, more probably will appear upon a future occasion.

PERIPLUS

OF THE

ERYTHREAN SEA

BOOK I.

PRELIMINARY DISQUISITIONS.

Introduction. — II. Account of the Periplin. — III. Homer. —
 IV. Herodotus. — V. Ctéfias. — VI. Iambulus. — VII. Agatharchides.
 — VIII. Hippalus. — IX. Age of the Periplin. — X. Intercourfe with India.

I. National Avigation, perfected as it is at the prefent hour, opens all the maritime regions of the world to the knowledge of mankind; but in the early sges, perfonal intercourse was impracticable: the communication by sea was unexplored, and travelling by land was precluded by insecurity. The native commodities of one climate passed into another by intermediate agents, who were interested in little beyond the profits of the transit; and nations in a different hemisphere were known respectively, not by their history, but their produce.

Such

Such was the firmulan of Europe in regard to India; the produce of each was conveyed to the other by channels which were
unknown to both; and the communication by land through Tartary
or Perfin, was as little underlined, is the intercounte by the Indian

Ocean. That both exilled in time fente or other is underliable;
for the most ancient of all histories mentions commodities which
are the native produce of India, and which if they were known,
of neterility must have been conveyed. What the means of conveyance were by land, or on the north, is a fulliged which does not
enter into the plan of the following work; but the transport by
fea is a confideration of all others the most important; it is dependent on a discovery common to all the nations of the world;
the dominion of the ica may pass from one people to another, but
the communication infall is opened once for all; it can never
be thut.

That the Arabians were the first navigators of the Indian Ocean, and the first carriers of Indian produce, is evident from all history, as far as history goes back; and antecedent to history, from analogy, from necessity, and from local fituation; out of their hands this commerce was transferred to the Greeks of Egypt, and to the Romans' when masters of that country; upon the decline of the Roman power it reverted to the Arabians, and with them it would have remained, if no Gama had arisen to effect a change in the whole commercial system of the world at large.

It is the interval between the voyage of Nearchus and the difcoveries of the Portugueic which I intend to examine in the follow-

^{*} Perhaps nover to the Rumans, but to the Greeks of Egypt under the power of the Russian.

ing work; the halfs which I affirme is the Periplus of the Erythrean Sea; and in commenting on this work, an opportunity will be given to introduce all the particulars connected with the general subject.

ACCOUNT OF THE PERIPLUS.

II. The Periphis of the Erythrean Sea is the title prefixed to a work which contains the belt account of the commerce carried on from the Reil Sea and the coast of Africa to the Hall Indies, during the that Egypt was a province of the Reman empire.

This work was first edited from the pirch of Froben at Basle, in 1533, with a presatory epistle by Gelenius; but from what manuscript I have never been able to discover; neither is it known whether any manuscript of it is now in existence. The edition of Smckius at Zarich, in 1577, and Hudson in 1698, at Oxford, are both from the printed copy, which is nouniously incorrect, and their emendations remove few of the material difficulties'; besides these, there is a translation in the collection of Ramuso, faithful indeed, as all his translations are, but without any attempt to amend the text, or any comment to explain it; he has prefixed a discourse however of considerable merit and much learning, which I have made use of wherever it could be of service, as I have also of the commentaries of Smeldius, England, and Dodwell; but the author with whom I am most in harmony upon the whole,

^{*} The two merglieder difficultier are, dienologiendulus, pray- und das troots liquies are apply 10-7. See infra.

4

is Voffius, who in his edition of Pomponius Mela has touched upon fome of these points, and I wish we had the ground of his opinion in detail.

The Erythrean Sea is an appellation given in the age of the author to the whole expanse of ocean reaching from the coast of Africa to the utmost boundary of ancient knowledge on the east; an appellation, in all appearance, deduced from their entrance into it by the straits of the Red Sea, styled Erythra' by the Greeks, and not excluding the gulph of Persia, to which the fabulous history of a king Erythras is more peculiarly appropriate.

Who the author was, is by no means evident, but certainly not Arrian of Nicomedia, who wrote the history of Alexander, whose writings have been the subject of my meditations for many years, and whose name I should have been happy to prefix to the present work; HE was a man of eminence by birth, rank, talents, and education, while the author before us has none of these qualities to boast; but veracity is a recommendation which will compensate for deficiency in any other respect: this praise is indisputably his due, and to display this in all its parts is the principal merit of the commentary I have undertaken.

We are warned against the connection of Erythm with Erythman by Agatharchides, p. 4. Goog. Min. Hindson, his arms typical, he trye, figuring the Red Sea; the arms from the few of Erythman is the occurs which takes its name from king Erythman and Haddon give little credit to Agatharchides and Haddon give little credit to Agatharchides for this intelligence. See note, third both agree in supposing Erlom, Red, to be the true exymplestry the few of Edom, we Efin, the Idumpun Sea.

Aguthurchides faye, it is not from the colour of the fire, but it is not end, it is one of a fire of the englishment of the fire of the fire of the englishment of the fire of the fire of the englishment of the fire of the of the englishment of the fire of the englishment of t

Arrian

Arrian of Nicomedia has left us the Paraplus of Nearchus, and the Periplûs of the Euxine Sea, and was a name of celebrity to the early editors of Greek manufcripts, long before the work now under contemplation was known; it is not impossible, therefore, if the Periphis of the Erythrean Sea was found anonymous, that it was attributed to an author whose name on similar subjects was familiar. But if Arrian be the real name of the author now under contemplation, and not fictitious, he appears from internal evidence to have been a Greek, a native of Egypt, or a relident in that country, and a merchant of Alexandria; he manifefly failed on board the fleet from Egypt, as far as the guleh of Cambay, if not farther; and, from circumflances that will appear hereafter, is prior to Arrian of Nicomedia by little less than a century. His work has long been appreciated by geographers, and is worthy of high estimation as far as the author can be supposed personally to have vilited the countries he deferibes; fome feattered lights alfooccur even in regard to the most distant regions of the east, which are valuable as exhibiting the first dawn of information upon the hibject.

Of this work no adequate idea could be formed by a translation; but a comparison of its contents with the knowledge of India, which we have obtained lince Gama butil the barrier of discovery, cannot but be acceptable to those who value geography as a science, or delight in it as a picture of the world.

The Periplus itself is divided into two diffined parts, one comprehending the coast of Africa from Myos Hormus to Rhapta; the other, commencing from the same point, includes the coast of a Arabia, both within the Red Sea and on the ocean; and then passing

palling over to Guzent runs down the couft of Malabar to Ceylon. It is the first part, containing the account of Africa, which I now present to the public; a work which, periods, I ought never tu have mideraken, but which I hope to complete with the addition of the oriental part, (if blatted with a continuance of life and health,) by devoting to this purpose the few intervals which can be spared from the more important duties in which I am engaged. The whole will be comprehended in four books; the first confishing of preliminary master, and the other three allosted respectively to Africa, Arabia, and India, the three different countries which form the fullied matter of the Periplus itself. In the execution of this delign I shall encrosed but little on the ground sheady occupied by Doctor Robertson; but to Harris, and his tearned editor Doctor Campbell, I have many obligations. I follow the time arrangement in my confideration of the Greek authors, horrowing fomes times from their materials, but never bound by their decisions: where I am indebted I shall now be sparing of my acknowledgments; and where I difficut, fulficient reasons will be assigned. I eguld have withed for the company of fach able guides farther on my journey; has I foon diverge from their track, and must explore my way like an Arab in the defert, by a few flight marks which have eleaped the ravages of time and the defolation of

To a nation now middress of those Indian territories which were known to Alexander only by report, and to the Greeks of Egypt only by the intervention of a commerce reflicted to the coast, it may be decreed an object of high curiofity at least, if not of utility, to trace back the origin and progress of discovery, and to examine

examine the minute and accidental causes which have led to all our knowledge of the call ; causes, which have by flow and imperceptible degrees weakened all the great powers of Afia, which have dislolved the empires of Perfin and Hindoffan, and have reduced the Othmans. to a fectomlary rank; while Europe has arifen paramount in arts. and arms, and Britain is the ruling power in India, from Ceylon to the Ganges :-- a Supremacy this, envied undoubtedly by our enemies, and reproduted by the advocates of our enemies. Anquotil du Perron and Bernoulii*, exclaim at the injuffice of our conquests; but who ever afferted that conquest was founded upon juffice? The Portuguefr, the Hollanders, and the French were all introders upon the unives, to the extent of their ability, as well as the British India in no age time the irruptions of the Tartara and Mahomedans has known any power, but the power of the fword; and great as the infurpation of the Europeans may have been, it was originally founded in negelity. It is not my wife to justify the excels; but there are nations, with whom there can be no intercounte without a pledge for the fecurity of the merchant. The Pertuguete, upon their first arrival at Calicut, could not trade burby force: it was in confequence of this necessity, that all the Europeans demanded or extorted the liberty of erecting forts for their factories; and this privilege, once granted, led the way to every encrowchment which enfued. I notice this, because the same danger produced the fame effects from the beginning. It will appear from the Periplies, that the Arabians in that age had fortified their factories on the coast of Africa, and the Portuguele historians

" See Definition do Plante, to three role by Bernoull, Berlin 1787; val. ft.

· mention

mention the same precaution used in the same country by the Arabs in the age of Gama. From this slender origin all the conquests of the Europeans in India have taken their rise, till they have grown into a consequence which it was impossible to foresee, and which it is now impossible to control. No nation can abandon its conquests without ruin; for it is not only possive subtraction from one scale, but preponderancy accumulated in the other. No power can be withdrawn from a single province, but that it would be occupied by a rival upon the instant. Nothing remains but to moderate an evil which cannot be removed, and to regulate the government by the interests of the governed. This imports the conquerors as much as the conquered; for it is a maxim never to be forgotten, that the Portuguese lost by their avarice the empire they had acquired by their valour; but of this too much:—our present business is not with the result of discovery, but its origin.

Voyages are now performed to the most distant regions of the world without any intervening distinuities but the ordinary hazard of the sea. In the ancient world the case was very different: a voyage from Thessay to the Phusis was an atchievement which consecrated the same of the adventurers by a memorial in the Heavens, and the passage from the Mediterranean into the Atlantic Ocean was to the Phenicians a secret of state.

The reality of the Argonautic expedition has been queflioned; but if the primordial hillory of every nation but one is sinclured with the fabulous, and if from among the reft a choice is necessary to be made, it must be allowed that the traditions of Greece are less inconsistent than those of the more distant regions of the earth. Oriental learning is now employed in unravelling the mythology of

India, and recommending it as containing the feeds of primeval history; but hitherto we have feen nothing that should induce us to relinquish the authorities we have been used to respect, or to make us prefer the fables of the Hindoos or Guebres to the fables of the Greeks. Whatever difficulties may occur in the return of the Argonauts, their paffage to Colchis is confiftent; it contains more real geography than has yet been discovered in any record of the Bramins or the Zendavesta, and is truth itself, both geographical and historical when compared with the portentous expedition of Ram ' to Ceylon; it is from confiderations of this fort that we must still refer our first knowledge of India to Grecian fources, rather than to any other: for whatever the contents of the Indian records may finally be found to have preferved, the first mention of India that are have is from Greece, and to the historians of Greece we must still refer for the commencement of our inquiries; their knowledge of the country was indeed imperfect, even in their latest accounts, but ftill their very earliest shew that India had been heard of, or some country like India in the east; a glimmering towards day is difcoverable in Homer, Herodotus, and Ctelius; obscure indeed, as all knowledge of this fort was, previous to Alexander, but yet fufficient to prove that India was always an object of curiofity and inquiry.

HOMER.

III. The father of poetry is naturally the first object of our regard, his writings contain the history, the manners, and antiquities

4 See Meurice's History of Hindudan, vol. ii. p. 245.

of

of his country; and though his information upon the point proposed may be problematical, still nothing that he has touched is unworthy of attention. When he conducts Neptune into Ethiopia, he feems to place him in the centre between two nations both black, but both perfectly diffinguished from each other; and he adds, that they lived at the opposite extremities of the world east and west; let us then place the deity in Ethiopia above the Cataracts of Syene, and let a line be drawn east and west, at right angles with the Nile; will it not immediately appear that this line cuts the coast of Nigritia on the well, and the peninfula of India on the east? and though it may be deemed conthusiasm to affert, that Homer confidered their as his two extremities, and placed his two Ethiopick nations in thefe tracts, which are their actual relidence at prefent, fill it is not too much to fay, that the centre he has assumed is the most peoper of all others, that the distant Ethiopians to the east of it, are Indians, and to the west, Negroes, Thele two species are perfectly diffinguished by their make, by their features, and above all by their hair; whether Homer knew this characteristick difference does not admit of proof, but that he

* Out I being frame
Niep Hemilden, II derny framion
Arrive Odern aufge framionische
Auf in Vallere, paradet was figer
(Allere et Agle Malare, frame delleOut Arryen Youten, is I defend) Oth Arrye

Set the note upon the judige in Pope's translation of the Odydey, where he address with great propriety the rathinusty of Straley, to posse that all the Stations were accounted Ethiopina by the ently Greeks, who lived upon the Southern Ocean fram soft to well, and the authority of Prolemy to them; wither

" under the zodinik from call to seef, in" habit the Ethiopians black of colour,"
The whole patings in Scralm, and the comme
resulting of Authorhous and Crates, are well
worth confulting. Lab. 1 p. 50:

I have been a lad view hope we believe a series of the last of the

Chargo ma

knew they were of a separate race is undeniable, and that he placed them cast and well at the extent of his knowledge, is an approximation to truth, and confident with their actual politica at the prefent hour.

HERODOTUS

IV. THE diffinction which Homer has not marked, is the first circumflance that occurred to Herodotus; he mentions the eaftern Ethiopians confidered as Indians, and differing from those of Africa expressly by the characteristick of long hair, as opposed to the woolly head of the Cafre. We may collect also, with the affiftance of a little imagination, the diffinct notice of three forts of natives, which correspond in some degree with the different species which have inhabited this country in all ages. The Padei on the north", who are a favage people refembling the tribes which are ftill found in the northern mountains, mixed with Tartars perhaps, and approaching to their manners; a fecond race living far to the footh, not subject to the Persian empire", and who abflain from all animal food; under this description we plainly

the Padel is imbinate. I cannot suppose three ** If the finance of the Palli were afters. Herodistra had received any report of the authors much of the Hismala Mountains, or alle I floudd offer a confecture to the Ort. entalifie, whether Public consumer into Pudel, might not alines to Booking for a sail of are covertible, as a conferm in Military which in sails monthis form of reading Modelan for Maldance Mallidan, the quantry of the Malli,

11 Lib E. p. 241.

[.] Liberin pe 54t.

talised we might beguie about the manners attributed to them by the hiltorian; but he mustions only fome toher that live upon the maribes formed by the over that is, probably the Judia), and then the Pudii to the out of thefer this places them on the morth of Ladin ; as to all appearance the medical scethole formed by the raise in the Panjorle, but how far call beyond this province av - 10 for

discover the real Hindoos; and a third inhabiting Pactyla and Caspatyrus, who resemble the Bachrians in their manners, dress, and arms, who are fubject to Perfia, and pay their tribute in gold; thefe, whether we can discover Caspatyrus or not, are evidently the fame as those tribes which inhabit at the fources west of the Indus; who never were Hindoos, but possess a wild mountainous country, where their fallnelles qualify them for a predatory life, and where they were equally formidable to Alexander, to Timour, and Nadir Shah"; they refemble to this day the Bactrians, as much as in the time of Herodotus, or rather the Agwhans in their neighbourhood; and are as brave as the one, and as ferocious as the other. These tribes it is more necessary to mark, because it will prove that the Persians never were masters of India properly to called, but of that country only which is at the fource of the Indus. Whether they penetrated beyond the main ftream, that is the Indus or the Attock itself, must be left in doubt; but Pactylia, according to major Rennell, is Peukeli; and if Caspatyrus be the same as the Caspira of Prolemy, there is some ground for supposing that city correspondent to Multan. Should* these conjectures be confirmed by future inquiry, it would prove that the Perfians did pass the Attock, and were really masters of the Panjeab and Multan; and the tribute which they received, equal to half the revenues of the empire, affords fome reafon for huppoling this to be the fact. Much depends upon the iffue of this. inquiry, because the Attock, or forbidden river, has been the western boundary of Hindoftan in all ages; if the Perlians palled it, India

^{**} Nadir was glad to compound with these tribet, to let him pass unmolested with the plunder of the unhappy Mahomed Shah.

was tributary to them; if they did not, the tribes well of the Attock only were fubjected, and they were never Hindoos, however effected to by the Pertians. Another circumstance dependent on this inquiry, is the voyage of Scylax, faid to have commenced from Pactylia and Cafpatyleus, and to have terminated in the Gulph of Arabia. There are two inconfiltencies in the report of this voyage by Herodorus; the first, that he mentions the course of the Industo the east", which is in reality to the fouth-west; the second, that he supposes Darius" to have made use of the discoveries of Scylax for the invalion of India. Now if Darius was mafter of the Attock, Peukeli, and Multan, he wanted no information concerning the entrance into India, for this has been the route of every conqueror; or if he obtained any intelligence from Scylax it is certain that neither he, nor his fucceffors ever availed themselves of it, for any naval expedition. The Perfians were never a maritime people. History no where speaks of a Persian sleet in the Indian ocean, or even in the Guiph" of Perlia; and in the Mediterranean, their fea forces always confided of Phenicians, Cyprians, or Egyptians.

Far is, it from my wish wantonly to discredit any historical fact supported on the testimony of such a writer as Herodotus; but there

who is half disputed to make Scylax navigate the Ganger on account of its exham direction. He heritates only became Scylax must have returned to the north again from C. Comorin to force the mutth of the holm. See Welleling at Herod, lib. is, p. seen note 54-

44 Hethalpes father of Damas is the Gothtalp of the Zendavetta, and king of Balk or

Bactria; but I have never been side to different, that the Persian Davisa of the Greeks, or his factor Hydrafpes, can be identified with the Partrian Cadhrain of the Zande or Oriental witters; and I for Richardian in the person to his Person Dictionary offigures or cal motiquity to the Zande of Augustil du Person.

is I speak of a may, not flips for trade.

are insuperable difficulties in admitting this voyage of Scylax, or that of the Phenicians round the continent of Africa; the greatell of all is, that no confequences accrued from either. That Herodoms received the account of both from Perlians or Egyptians, is undeniable; that they were performed is a very different confideration. I do not dwell upon the fabulous" part of his account of India; because even his fables have a foundation in fact"; but I cannot believe from the flate of navigation in that age, that Scylax could perform a voyage round Arabia, from which the braveil officers of Alexander thrunk; or that men who had explored the defert coast of Gadrosia, should be less daring than an unexperienced native of Caryanda. They returned with amazement from the fight of Muffendon and Ras-al-had, while Scylax forceeded without a difficulty upon record. But the obliacles to fuch a voyage are numerous, first, whether Pactyla be Peukeli, and Caspatyrus, Multan: feeondly, if Darius were mafter of Multan, whether he could fend a thip, or a fleet, down the Indus to the fea, through tribes

What the fable is of the unter which turned up gold, and the manner of collecting is by the natives, I connot determine a but it to possible, that m our knowledge of Tedia turned, it will be traced to its foreces and one thing is creating that it is a rule criating from the time of Eroduces to the age of De That I is consumered for sile in the Letters of Bullequine, who fav you of their ante [tkens | fest as a prefinit from the king of Perfu to the Poets. See Lucker, ties, ill. p. 330. Another fible, rotally dill over in the ordinary manuscripf the Prindons, I shall give in the words of the himseins, so to h view the wells exist with it for other vation. See car laber an acrairle more beford ore extraore. Hered He iv. p. 184, ed. West.

rai veniera, lib. iii. 248. quod popula univerte nonnament objectedam off, ful magment ducit es llo funveillimo cummercio funniantum profit delideria belorgerium, cum Hylolim et Hantonimoruments, I can spen findler principles, account for the greatelt part of the folias imputed to Megalificaes, Delivishos, Opposition: Late Wilford Problem Chiffin's fairly of the Marrichness.

"Nor all imleds, for his sorage of Hercolors Septhia a mere mythology. I do not att this to disvedit the voyage of Scylers my object is to said sable as fable, and to lighter

where

where Alexander fought his way at every flep: thirdly, whether Scylax" had any knowledge of the Indian Ocean, the coall, or the moniton: fourthly, if the coast of Gadrolia were friendly, which is doubtful, whether he could proceed along the coast of Arabia, which must be hostile from port to port. These and a variety of other difficulties", which Nearchus experienced, from famine, from want of water, from the built of his veffels, and from the manners of the natives, must induce an incredulity in regard to the Perhan account, whatever respect we may have to the fidelity of Herodotus.

CTESIAS.

V. Next to Herodotus, at the diffance of little more than fixty years, fucceeds Crehas. He refided a confiderable time in the court of Perfia, and was physician to Artaxerxes Muemon. What opportunities he had of obtaining a knowledge of India must have been accidental, as his fables are almost proverbial, and his muchs very few; his abbreviator Photius, from whose extracts only we bave

that he was is India, and that his occount of that country was extent, appears from Axiltotle's Politicks, ble voois Or. Gilling's translation, book is p. 7400 I care likewife from Larther, that the Parise de Smire Crain defends the work which more have the came of Soylar as gennine, in a differential send before the Acceleracy of Interription of June 1 kinne met when ther that differential be published. Bee Latthat a Hereal torus His p. 407. However and about the lettered nothing of the circumstrigation of jettim to its authenticity, which is his mention. Africa. See in, (. p. 11. of Dardanne, Rhotelum, and Blemm the Troad,

" That there was find a perfor as fleyling, p. 25; for there is great doubt whether White pennisons in exidence in the time of the real Seylas ; and or Indea, he fays unthing in the treatme men sommit.

> W Straba frys, Palalanias diffethered this whole hithey of Seylin, though he believed the congress Muderun, Illi II. o rec. The face is, there were to many of these coryages. pretended, and is few performed, that the best liniger dill use know what to believe ; Stillio

me in a feet fact

an account of his works, feems to have passed over all that he faid of Indian manners; and to have preserved only his tales of the marvellous. The editor", however, is very desirous of preserving the credit of his author, and that part of the work which relates to Persia is worthy of the estimation he assigns it; but we are not bound to admit his fable of the martichora, his pygmies, his men with the heads of dogs and feet reversed, his griffins and his four-footed birds as hig as wolves.—These schions of imagination indeed are still represented on the walls of the Pagodas; they are symbols of mythology, which the Bramins pointed out to the early visitors of India, and became history by transmission.

The few particulars appropriate to India, and confiftent with truth, obtained by Ctefias", are almost confined to something resembling a description of the cochineal plant, the sty, and the beautiful tint obtained from it, with a genuine picture of the

= Critics tays, there is a pool which is normally alled with liquid gold; that an hundral measures (***com) of this are collected, each measure weighing a talent; at the bottom of this pool is found iron, and of this time he had two fundles, one preferred to him by the king, and the other by Paryants the king's mather. The property of these sworted was, that when fixed in the ground they averted clouds, bail, and temperate to five the king make the experiment, and induceeded.

Now whatever a traveller fays he faw with his own eyes, (unlefs there are other reasons for doubting his verseitys) is defeaving of credit, but when he fees things that imply an impossibility, all faith is at an end.—That there was some superfittings practice in Persia of fixing swords in the ground for this purpare, may be believed, but that there from the golden fountials, or that they had this effect, is a different confideration; the words are, at this effect, is a different confideration; the words are, at this case would have believed it, if he tail not affected the forces of the experiment, but only that the king tried it. Perhaps fome ingenious maderating hereafter quotings for ingenious to prove that into was known to be a conductor in that age, and that electricity was concerned in this experiment. See p. 827-Weileling's ed. of Herad: and Ctiffue.

Some other circumfraces recorded by Cressus may be collected from Diodórns, but I have confined myfelf to his own work.

monkey

monkey and the parrot; the two animals he had doubtless from in Persia, and slowered cottom emblazoned with the glowing colours of the modern chintz, were probably as much coveted by the fair Persians in the Harams of Sufa and Echatana, as they still are by the ladies of our own country.

Ctelias is contemporary with Xenophon, and Xenophon is prior to Alexander by about feventy years; during all which period, little intelligence concerning India was brought into Greece; and if the Macedonian conquells had not penetrated beyond the Indus, it does not appear what other means might have occurred of dispelling the cloud of obscurity in which the eastern world was

enveloped.

The Macedonians, as it has been shewn in a former work, obtained a knowledge both of the Indus and the Ganges; they heard that the feat of empire was, where it always has been, on the Ganges, or the Jumna. They acquired intelligence of all the grand and leading features of Indian manners, policy, and religion: they discovered all this by penetrating through countries where possibly no Greek had previously fet his foot; and they explored the passage by sea, which first opened the commercial intercourse with India to the Greeks and Romans, through the medium of Egypt and the Red Sea; and finally to the Europeaus by the Cape of Good Hope.

It matters not that the title of fabulifts is conferred upon Megafthenes, Nearchus, and Onesieritus, by the ancients; they published more truths than falfeboods, and many of their imputed falishoods are daily becoming truths, as our knowledge of the country is improved. The progress of information from this origin is materially connected with the object we have proposed, and it cannot be themed superfluous to pursue it through the chain of authors, who maintain the connection till the discovery of the passage across the ocean by means of the monsoon.

Megafthenes and Daimachus " had been fent as embaffadors from the kings of Syria to Sandrocottus and his fucceffor Allitrochades; the capital of India was in that age at Palibothra, the fituation of which, to long diffrated, is finally fixed, by Sir William Jones, at the junction of the Saone and the Ganges. These emballadors, therefore, were refident at a court in the very heart of India, and it is to Megaffhenes in particular that the Greeks are indebted for the best account of that country. But what is most peculiarly remarkable is, that the fables of Ctelias were fill retained in his work; the Cynocophali, the Pigmies, and fimilar fables were ftill afferted as truths. It is for this reason that Strabo " prefers the tellimony of Eratofthenes and Patrócles, though Eratofthenes was refident at Alexandria, and never vifited India at all; and though Patrocles never faw any part of that country beyond the Panjeab, fill their intelligence he thinks is preferable, because Eratosthenes had the command of all the information treasured in the library of Alexandria; and Patrocles was polleffed of the materials which were collected by Alexander himfelf, and which had been communicated to him by Xeno the keeper of the archives.

It is inconceivable how men could live and negotiate in a camp on the Ganges, and bring home impossibilities as truth; how

Megaffhenes

[&]quot; Hence fays, Megafihenes and Denis, which miled him; he is not in the habit of from Prolony king of Egypt, vol. i. p. 461. citing his authorities.

This forms as If he followed French authority, "Lib. in initio, p. 70.

MegaRhenes could report that the Hindons had no use of letters ". when Nearchus had previously noticed the beautiful appearance of their writing, and the elegance of character, which we fill discover in the Shantkreet"; but the fabulous accounts of Cteffas were repeated by Megasthenes, professedly from the authority of the Bramins; and whatever reason we have to complain of his judgment or diference, we ought to acknowledge our obligations to him as the first author who spoke with precision of Indian manners, or gave a true idea of the people.

It is not possible to enter into the particulars of all that we derive from this author, but the whole account of India, collected in the fifteenth book of Strabo, and the introduction to the eighth book of Arrian, may justly be attributed to him as the principal fource of information. His picture is, in fact, a faithful reprelentation of the Indian character and Indian manners; and modern observation contributes to chablish the extent of his intelligence, and the fidelity of his report.

This fource of intelligence, commencing with Alexander and concluding with Megasthenes and Daimachus, may be classed under the title of Macedonian, as derived from Alexander and his fucceffors, and fuch knowledge of the country as could be acquired by a halfy invalion, by the inspection of travellers and embaffadors, or by the voyage flown the Indus, the Macedonians feem to have

^{**} Stroko, file ev. p. 709 as imputation on Megalihane, which the good failer Paulian is very miselling flight strail to him. See his Differention De setunitos indita is autwer to Augustian Georgias, nutbor of the Thiller perfects, p. 158, in Koda :: perfects, Sain ::: Alphabet, p. 11.

[&]quot; Shanfkreet, or Sunferit, Is the mode of writing this word, which has presuited among our English writers. I always prefer the most popular, for Pauline writes Same Crds, lingua Umul, caeval with creation.

attained with fingular attention, and, notwithflanding particular errors, to have conveyed into Europe with much greater accuracy

than might have been expected.

The voyage of Nearchus opened the paffage into India by fea, and obviated the difficulties of penetrating into the eafl by land, which had previously been an infurmountable barrier to knowledge and communication. But it is to Onesicritus" we trace the first mention of Tapróbana, or Ceylon, and what is extraordinary, the dimensions he has assigned to it, are more conformable to truth", than Ptolemy had acquired four hundred years later, and at a time when it was vilited annually by the fleets from Egypt; but on this subject more will be faid in its proper place.

IAMBULUS.

VI. The mention of Ceylon naturally introduces us to the voyage of Iambúlus", because, fabulous as his account is, it is still most

25 To Onesicinus only, if we follow Strobo tris, cateries, Academ, the king worthipped or Pliny, vi. 24. who, he fays, mentions elephonts there larger and more fit for war than elfewhere, a truth to this day. Megafiheura notices a river, gold and pearly, and that the people are called Paleogoni. Enaturitiones forms to have enlarged upon the fine given le by Chanicottes, for initial of his miles, ho tays in a 875 miles long, 615 lined. In Pliny's age the morth callers lide was grown to rays sales, and the error was always on the increase till the time of Ptolemy. Pliny side, that Ruchis [Rajah] was the head of the embally to Rome, and that Raphin's father had sinted the Sores Cros incidental circumfunce form to mark Arshim intercourse previous to the myege of Amoun Plocumus's freed main. Reg., cultum Libert Pa-

Bacchus, the people on the coult followed the eiter of the Acalesas. The king were the germent of India, the people (on the couff) that of the Araliane. He adds also, that Hercules was worthipped, that is, kinn, the Indian Hercules. Whenex both Paleogoni, and Paleomorondas. This, however, eacht nor to be afferted with at giving due weight to Padiso, who derives Palellmoundus from Paruller mandale, the hingdon or Pareller, and Paraffer is the Indian Baccinos-

" He makes it 625 mins, without meationing length or brendth; it is in runity near 250 miles long, and 138 braid; but Prolemy extends it to more than 956 miles from north to fouth, 759 from well to call.

at See Harris, val. I. 182. and Ramuno.

probably

probably founded on fact, and because Diodorus has ranked it as hiftory.

Lucian", perhaps, formed a better judgment when he classed him with the writers of fiction; for his account of the Fortunate Illands and of Ceylon fland almost on the same ground; the circumference of the Island he seems to give at five thousand stadia from Onesicritus, and the navigation acrofs the ocean from Ethiopia he derived from the general knowledge that this voyage had been performed, or imputed, from a very early age; his departure from Ceylon to the Ganges, his arrival at Palibothra, and his intercourfe with the king, who was an admirer of the Greeks, may be referred to Megasthenes and Daimachus, while his fictions of impossibilities are all his own. Notwithstanding, all this there are some allufions to characteriffick truths, which though they do not befreak the testimony of an eye-witness, prove that some knowledge of the island had reached Egypt, and this at a time previous to the discovery of the monfoon; for lambulus must be antecedent to Diodôrus, and Diodôrus is contemporary with Augustus. It is this

foresteignty, is hard to determine,) affirmed the title of annexa; and this term is itill found inferihed in Greek letters upon the coms of the first afterpers of the Parthum dynasty. See Bayer, p. 103. It feems, thursdoor, highly prohable, that the mounter of this tale of Incballs know that fount of the caffein potentates were flyled leaves of the Greeke; and he has ignorantly applied this title to a fovereign of India, which apparentied properly to thuse only who reigned in the morn of Perim. This feems an miditional proof of the impollure the author knew a curiana piece of force

[&]quot; Luc de vere hiftonia, la cop. 5 younger ply draw to bridge to where it arrows I have ording in the it 167.

^{*} doubber, though there be nothing in this word to raile admiration in general, but at the firangencie of the orrandance, how a hun of Falibothe found know cough of Greeks to he found of the nation ; there is thill a feoret allumus of much curiolity, which is this, the native chiefs who emfel themfelves to independence on the raim of Syron mamachy, (whether from the number of Circles in the eaff, or from the popularity of the Grecian history, but did not know how to apply it.

all of State of the State of th

fingle circumflance that makes it requifite to notice fuch an author. The truths alluded to are, I. The flature of the natives, and the flexibility of their joints. II. The length of their ears, bored and pendent. III. The perpetual verdure of the trees. IV. The attackment of the natives to affronomy. V. Their worthip of the elements, and particularly the fun and moon. VI. Their cotton garments. VII. The custom of many men having one wife in common, and the children being entitled to the protection of the parmership. (This practice is faid by Paolino" to exist still on the couft of Ceylon, and is apparently conformable to the manners of the Nayres on the continent.) VIII. Equality of day and night. IX. The Calamus or Maiz. And it is submitted to future inquiry, whether the particulars of the alphabet may not have some allusion to truth; for he fays, the characters are originally only feven, but by four varying forms or combinations they become twenty-eight.

The chief reason to induce a belief, that Iambúlus never really vifited Ceylon, is, that he should affert he was there seven years, and yet that he should not mention the production of cinnamon. There is no one circumstance that a Greek would have noticed with more oftentation than a discovery of the coall where this fpice grew; but lambulus, like the reft of his countrymen, if he knew the produce, adjudged it to Arabia, and never thought of this leading truth, as a fanction to the conftruction of his fable; he is described by Diodôrus as the ion of a merchant, and a merchant himself, but possessed of a liberal education. In trading to Arabia

²⁴ Paulino was a Romith millionary in Tre- millaken on cistical questions, but fill it is a vencore, for thirteen we fourteen years t his depend and inflractive work, p. 328work was published at Remer he is furnations

for fpices, he was taken prifener and reduced to flavery; he was carried off from Arabia by the Ethiopians, and by them committed to the ocean; to be driven wherever the winds might carry him; and in this cafe his reaching Ceylon would be the leaft improbable" part of his narrative. No means occur to fettle the date of this history, but the allufion to known truths makes it curious, even if it be a novel. These truths could have been obtained only from report in the age of Diodôrus", and the wonder is, that it contains a circumftance dependent on the monfoon, of which Diodôrus was himfelf ignorant, and which was not known to the Greeks and Romans till near a century later. I dare not claim it as a preof, that the Arabians failed by the monfoon at this time, but the Icene is laid in Arabia, and the passage is made from the coast of Africa, as that of the Arabians really was; and it is natural to conclude, that the Arabians did really fail to Ceylon in that age, though the Greeks and Romans did not. The embally from Pandion to Augustus cannot be a fiction, and the embassadors must have failed from India, either on board Arabian ships, which frequented their harbours, or in Indian veilels which followed the fame course. All this is previous to Hippalus, and the whole taken together is a

18 p. Luigi Main de Gefts, a Caraclite, afterwards the of Utalia and Apolitalisk Visur of the confluof Maldour, coming remon Capie Commin in a matrix schief, was served come to the Mahliven, and thence to the could of Africa Paulin, p. 85. Annies Placamers was carried in a conspary direction from Audde to Ceyling and in fatt, a temper is celled, on either couff, is by needest inrocd aut of the limit of the land and fea breeze, herr give the sention for my differt.

the will be enought by the enveloom, and enveled ares to the opposite combiner. To accidents of this for we may impute a very early difcovery of the monitoning by Arabams or Ethioplant, bog lafors Hijipalus impered is to the Grotke and Roman

14 Harris or Dr. Campbell are my percurfors is this examination of lambdine and Agethurchide. They gave credit to familialis, I

confirmation

confirmation of an Arabian navigation previous to that from Egypt. That a novel should contain historical facts and truths is natural, and will not be denied by those who are acquainted with Heliodorus. Many Ethiopick customs are noticed in that work, which are true to this day. After all, the novel of lambulus is not so surprizing in itself, as its existence in the page of Diodorus.

AGATHARCHIDES.

VII. AGATHARCHIDES", the next object of our confideration, is an author of far different estimation; he was president of the Alexandrian library, and is always mentioned with respect by Strabo, Pliny, and Diodórus". His work on the Erythréan or Red Sea, is preserved in an extract of Photius, and copied almost in the same terms, but not without intermixture", by Diodórus. Diodórus indeed professes to derive his information from the royal commentaries, and original visitors of the countries he describes; but that he copies Agatharchides is evident, by a comparison of this part of his work with the extract of Photius; or, perhaps, con-

* The Negarest drams, so often naticed by Bruce, are discoverable to this work.

" It is with much regret that I confels my neglect of this author, from whom I might have corrobosated many circumstances in the royage of Neuman. A curfory perutal had induced me to sine his errors in too fitting a light; if judice be done to him on the prefent review, it is not more than he merits.

Diodóres frenke of Agathaschides and Artemidicus, so the only authors who have written truth concerning Egypt and Ethiopia, Lib. iii. 1841. "The confirmation of this affertion, we may mention a pulling, bla iii. p. 212. Died, where an allafum is evidently unde to the feparation of the waters of the Red Sen, in recorded by Mofes 1 it is received in this finite by Gentine, Booliart, and Wellstong; and if this was in Agatherchides, it could hardly have been another by Photius, a shortion hillogs: If it was not in Agatherchides, it is a plate that Diorideus Ioined other authorates in his. This is given as a conjecture, but it is of weight.

fidering Agatharchides as librarian, he conceived that his work was founded on the commentaries or archives of the Alexandrian depository. Strabo" likewise follows Agarbarchides in almost all that relates to Ethiopia, the countries fouth of Egypt, and the western coast of Arabia", or rather, as Wesseling has observed, with a his usual accuracy, both copy Artemidorus* of Ephesia", who is the copysist of Agatharcides.

It is necessary to pay more attention to this author, as he is apparently the original fource from whence all the historians drew, previous to the diffeovery of the monfoon; his work forms an epoch in the feience, and when Pliny comes to fpeak of the difcoveries on the coast of Malabar in his own age, and adds, that the names he mentions are new, and not to be found in previous writers; we ought to consider him as speaking of all those, who had followed the authority of the Macedonians, or the school of Alexandria, of which, in this branch of science, Eratosthenes and Agatharchides were the leaders.

Eratofthenes was librarian of Alexandria under Prolemy Euergetes I, and died at the age of eighty-one, 194, A. C. He was
rather an aftronomer and mathematician than a geographer, and is
honoured with the title of furveyor of the earth ", as the first
aftronomer who measured a degree of a great circle ", and drew the
first parallel of latitude, the sublime attempt on which all the
accuracy of the science depends.

¹¹ Lib x11 p. 769-

but Strabo cites hath, p. 760.

^{**} Id. 224-

[&]quot;There are two Artemidorus's of Epheron. See Hoffman in vocc. This Artemidorus

lived in the reign of Prolemy Lathyrus, anno-

⁴⁴ See his calogium in Pliny, lib. ii. c. 112.

[&]quot;Hipparchus is later than Ersteilheurs; he is Impored to have lived to 119, A. C.

It appears from Straho and Pliny, that Eratofthenes speaks of Meroe, India, and the Thing, and of the latter as placed incorrectly in the more ancient maps; how this nation, which was the boundary of knowledge in the age of Ptolemy, (and which, if it does not intimate China, is at least as distant as the golden Cherionete of Malacca,) found its way into charts more early than Eratofthenes, will be confidered in its proper place; but his knowledge of Meroe or Abyflinia is derived from Dalion, Ariftoereon, and Bion, who had been fent by Philadelphus, or his fucceffors, into that country, or from Timothenes", who failed down the coast of Africa as low as Cerne ". This information concerning India must be deduced from the Macedonians, but his information is confined on the fobject of Oriental commerce; the foherical figure of the earth feems to be the grand truth he was defirous to establish, and his geographical inquiries were perhaps rather the balis of a fyflem, than a delineation of the habitable world.

Agatharchides, according to Blair, must, though younger, have been contemporary with Eratosthenes; he was a native of Cnidus in Caria, and flourished 177, A. C. But Dodwell" brings him down much lower, to 104, A. C. which can hardly be true, if Artemidorus" copied his work, for the date of Artemidorus is attributed to 104, A. C. also, the same year which Dodwell gives to Agatharchides.

See infra.

sr See Dind in, 181. Wellel, note,

⁴⁴ What credit Timoffhroes deferves is debions, as Pliny mentions, that he makes the Red Sez only four days fail in length and two bound, if I underfland the pallage, Lib. vi. 4: 53-

⁴⁾ Sometimes hipposed to be Madagalean.

^{**} Bruce feys, in the reign of Ptolemy IX. soc. A. C. but does not fay a word of the contents of his work, i. 467.

These dates are of importance, if we assume the work of Agatharchides as an epoch, which in fact it terms to be, and the principal authority for the subsequent historians, previous to the discovery of Hippalus; his work it is by no means needlary to vindicate in all its parts, but it contains many peculiar truths confirmed by modern experience, and the first genuine characteristicks of Abytfinia that occur in history.

Some of these circumstances, though not connected with the purpose before us, cannot be superfluous, as they contribute to establish the credit of the work; these are, I. The gold mines worked by the Ptolemies on the could of the Red Sea; the process; the sufferings of the miners; the tools " of copper found in them, supposed to have been used by the native Egyptians, prior to the Perlian conquest. II. In Merce, or Abyssinia, the hunting of elephants, and hamstringing them; the sless out on the country in

eritors who fpeak of a country in the first Influnces. Things are not falle beamily they are flrouge, and an example occurs in Hill author, which night to let rain judgment on its goard. Agatharenide memious the worm which is engendered in the lega, and a wound out by degrees. Flannels ride allers tion, and days, it never has happened and more will. In our days every marines in the Red See can wouch the truth of the face; and if Platarch had lived to be sequanted with our illustrians Brace, he would have thewn. him that for curried with him the matter and effects of this attack to the grave. See Tellimoma. Agethur De Rob. Mari, Hallim, p. 1. See also Diedorna, lifte m p. 1996

"Great mederation is that in judging all thank it is still when waged force an extension, who speak of a country in the first only a symmetric force, and it makes the plants of many and it makes the plants.

"A very extraordinary fact, and feeder on what has happened in our own age. According to Col. Vallancy, instruments here been found in the mines in Ireland which he fopposes to be Phenicking and others have been found in the mines in Wales, which are certainly Roman.

Strabo affa mentions the Contespe, which purhaps intimates cature of your fleth, and the excites terminatum, in a purhage where he ferms to be copying Agatharchides or Arrendoms. The original here does not specify the field from Fring over, but dephases. See Strabo, life, weight purity

the same manner as by Bruce. IV. Something like the ensete tree of Bruce. V. Locuils described as food. VI. Troglodytes. VII. The rhinoceros, the camelopard, apes" strangely called sphinxes", the crocotta" or hyena; several other minute particulars might be enumerated, but not without a tincture of the fabulous.

His account of the coast is our more immediate concern; this commences at Arsinoc, or Suez, and goes down the western coast of the Red Sea to Ptolemáis Theron ", it mentions Myos Flormus, but takes no notice of Berenice. The particulars of this navigation are very scanty, but still one sact is substantiated, that the ordinary course of trade carried on, went no lower than Ptolemáis, and was confined more especially to the importation of elephants.

Prolemais is the Ras Ahehaz of d'Anville, the Ras Ageeg of Bruce, in latitude 18°, 10′, 10 and full three hundred and fifty miles thort of the straits of Bab-el-Mandeb. A proof that whatever Prolemy Philadelphus had discovered of the coast of Africa, it was now little visited by the fleets from Egypt, but that there was some fort of commerce is certain; Strabo cites Eratosthenes 10 prove that the passage of the straits was open, and Artemidorus, to show the extension of this commerce to the Southern Horn; of this there will be

and without hair. Ad Plin lib. vi. See the Krokotsa on the Palattron maride, which I am not naturalit fufficient to appropriate.

frequent

[&]quot;The fphinxes are supposed to be spee by Wesseling, and from their tamous is it is probable. The crossets I traditate hyens, became it is fail to be between a wolf and a dogs from the maxim of its imitating the human water, is may be the standard. I cannot halp noticing that the animals enumerated by the author are all named in the same manner on the celebrated Palestine Massick. Hardonin thinks that the distriction of these sphinxes from the common age, was in the face, smooth

^{**} So called from some a because the elephanes were here hunted and taken; they are so till according to Bruce, and below this cape, do is Rochette places the commencement of a sail forest, seen by all vessels which keep this coult.

^{10 18&}quot;, 7", de la Rochette.

frequent occasion to speak hereafter, neither ought it to be omitted, that perhaps Agatharchides knew the inclination of the African coast beyond the straits, for he notices its curvature state to the east, [which terminates at Gardesan,] and which is apparently the boundary of his knowledge in this quarter; but our immediate business is with the coast between Myos Hormus and Ptolemáis, and here the first place mentioned is the Sinus Impurus states, which admits of identification with the Foul Bay of our modern charts, from the circumstances mentioned by Strabo, who says, it is full of shoals and breakers, and expected to violent winds, and that Berenicè lies in the interior of the bay states.

Below this, Agatharchides, or his abbreviator, afford little information, for we are carried almost at once to two mountains, called the Bulls and Ptolemais Theron, without any intervening circumstance but the danger of shoals, to which the elephant ships from Ptolemais are exposed: of these shoals there are many about Suakem in de la Rochette, though Bruce denies the existence of a single one on the whole western coast of the Red Sea. The geographer, however, is more to be depended on than the traveller, as is proved by the misfortunes to which some of our English vessels have been exposed, which verify the affertions of Eratosshenes, Artemidarus, and Agatharchides.

At Piolemais the account closes, as if there were no regular commerce below that point; but its existence has been evinced by what is here faid, and will be farther confirmed from the Adulitick

murble

¹⁾ I am not certain whether this relates to produce beyond them,
the coall within the gulph or without, but he is to have assisted,
mentions the illands at the firsts and the in grain where Strabo, p. 77 Co.

murble in its proper place; but the total frience of Agatharchides, in regard to Berenice, unless it be an omission of his abbreviator, is fill more unaccountable; it appears, indeed, as if the caravan real from Coptus to this place, was a much greater object of attention under the Roman government than under the Pudemies. accounts extant are all Roman; from Pliny, from the Itinerary, and from the Peutingerian tables; but the Greek authorities may have perilbed, and Strabo mentions two different flates of their roads; one from Coptus to Berenice as it was first opened by Philadelphus, and another from Copius to Myos Hormus, after it was furnished with wells and refervoirs, and protected by a guard. Are we then to think that this, after being opened, was neglected again, when Agatharchides wrote? or are we to suppose that Berenice is comprehended in the mention of Myos Hormus 12 for Berenice is no harbour ", but an open bay, and the thips which lade there, lie at Myos Hormus till their cargo is ready. However this may be, the account of Agatharchides returns again from Ptolemais to Myos Hormus, and then, after puffing the guiph of Arsinoe, or Suez, croifes over to Phenicon in the Elanitick Gulph, and runs down the coast of Arabia to Sabea. In this course of great obscurity, there is no occasion at present to pursue the track throughout, as it will be refirmed in the third book, when the account of the Periplus is to be examined, and fuch light as is to

road from Coptus to Myos Hurmas (which was the senself was prove frequented than that to Herenice, and that the latter was never more rolly in ule, till the time of the Romane. 90 Strahu, Mb. 24th, p. Sry. Barrier align-

et to thould eather from from this that the work will be an a let as acres on a limit on fyeral and infra su wrate il vie Benieve by Moit Togett cabe types toleral or van about

¹⁰ De la Rochette places Phanachman Tora but this will be confidently brecafter-

be collected from other geographers will be adduced, in order to elucidate the narrative, which is the first genuine account of Arabia that is extant. Neither is it unworthy of notice, that the Periptus itself is confiructed upon the plan of Agatharchides; it goes down the western coast of the gulph in the same manner, then returns back to Myos Hormus, and crosses over to the eastern side, and pursues that line to its conclusion; the difference between the two consists in the difference of knowledge in the respective ages. Agatharchides describes the trade as it stood in the age of Philometor. The Periptus carries it to the extent it had obtained under the protection of the Roman emperors; but both set out from the same point for both voyages and it is only the extension of the line which constitutes the distinction.

But it is our immediate business to proceed to the country of the Sabeans, called Arabia the Happy, from its wealth, its commerce, and its produce, either native or imputed. This province answers generally to the modern Yemen, and the Sabeans of our author's age possessed the key to the Indian commerce, and stood as the intermediate agents between Egypt and the East. This is a most valuable fact, which we obtain from this work, and clouded as it may be with much that is dark and marvellous, the truth appears upon the whole incontestably. Certain it is that the wealth assigned to this nation is a proof of the existence of a commerce, which has enriched all who have stood in this situation, and equally certain is it that the information of the author ceases at the succeeding step.

Sabea, fays Agatharchides, abounds with every production to make life happy in the extreme, its very air is so perfumed with odours, that the natives are obliged to mitigate the fragrance by

6

feents that have an opposite tendency, as if nature could not support even pleafure in the extreme. Myrrh, frankincenfe, halfam, chanamon, and cafin are here produced from trees of extraordinary magnitude. The king, as he is on the one hand entitled to supreme honour, on the other is obliged to fubmit to confinement in his palace, but the people are robust", warlike, and able mariners, they fail in very large veffels to the country where the odoriferous commodities are produced, they plant colonies there, and import from thence the larimna", an odour no where elie to be found; in fact there is no nation upon earth to wealthy as the Gerrhei and Sahei, as being in the centre of all the commerce which paffes" between Afia and Europe. These are the nations which have enriched the Synd" of Prolemy; their are the nations that furnish the most profitable agencies to the industry of the Phenicians, and a variety of advantages which are incalculable. They poffers themselves every profusion of luxury, in articles of plate and feulpture, in furniture of heds, tripods, and other household embellishments, far superior in degree to any thing that is feen in Europe. Their expence of

The series of Lethiopia and of the Salome, see of flatter, as currous, for according with the realismost of the mercantle pre-eminence, my NOO'L Schaim. The term for Ethiopia, in this puffage, is Cuite, which means force tribe of Arabin, and not the Ethiopians of Africa.

12 Strabo makes Larimons an odome, tooli-

63 The fragment of Agatharchides preferves a real valuable second in Photins which is loft in Diodórus and Strabo. Strabo ands with the riches of Sabéa, and does not go to the White Sea, and the particulars of the funmentioned by Diodórus and Photins. In the former part Diodórus is more expansive and intelligible than Photius.

A See Harri, 1. 429. Jufephin, lib. viii.

2. where mention is made by Harris of
Prolony's building Pulladelphia on the fire of
Rabali of the Americantes, which might have
fome relation to Spria. But I cannot help
improving that E. i.s. in here a falle reading.
It ought to be the Lingdom of Prolony, and not
the Spria of Prolony.

living rivals the magnificence of princer". Their houses are decorated with pillars glittening with gold and filver. Their doors are crowned with vales and belet with jewels; the interior of their houses corresponds in the beauty of their outward appearance, and all the riches of other countries are here exhibited in a variety of profution". Such a nation, and to abounding in Superfluity, owes its independence to its diffance from Europe; for their brancious manners would foon render them a prey to the European fovereigns, who have always troops on foot prepared for any conqueit, and who, if they could find the means of invation, would foon reduce the Subčans to the condition of their agents and factors, whereas they are now obliged to deal with them as principals.

From this narrative, reported almost in the words of the author, a variety of confiderations arife, all worthy of attention. It is, as far as I can discover, the first contemporary account of the commerce opened between Egypt and India, by the medium of Arabia; it proves that in the reign of Prolemy Philometor, in the year 177, A. C. and 146 years after the death of Alexander, the Greek fovereigns in Egypt had not yet traded directly to India, but imported the commodities of India from Saha the capital of Yemen; that the port of Berenice was not used for this commerce, but that

munifications the whole of this account before pt, that the subtime did go to India, and that the indicate at Protony did not. It is this named of that saids the tiches of Armin pro-"I frame, on Dr. Campbell, after talking verbid. For beads we ambum involve po-

⁶¹ Strake from Prandheses and Artemidurus, confirms all this Splendeur, and almost separate the words of Agathanchides, Sh. ark. Dr. 778.

magnificantly of the commerce of the Pros all Hor. Odr so, lib, I where my en- that lemics with India, at left confessor, voted postate friend and patron the architectup of York, that the difference of Happales is the first one- reads, beautis some, which gives a beautiful tain date of a sifit to that country. It is turn to the whole Ode.

Myos Hormus, or Arsinoè, was still the emporium. It proves that there was no trade down the coast of Africa (an intercourse afterwards of great importance) except for elephants, and that no lower than Prolemais Thérôn. It thems that the voyage down the Arabian coast of the Real Sea was still very obscure, and shove all it demonstrates incontestably by the wealth constantly attendant on all who have monopolised the Indian commerce, that the monopoly in the author's age was in Sabea. The Sabbans of Yemen appear connected with the Gertheans on the Gulph of Persia; and both appear connected with the Phenicians by means of the Elanitick Gulph, and with the Greeks in Egypt, by Arsinoè and Myos Hormus.

I am not ignorant that the establishment of a trade with India is attributed to Prolemy Philadelphus", that the immense revenue and wealth of Egypt is imputed to this cause, and that a number of Indian captives are mentioned by Athenèus, as composing one part of the spectacle and procession, with which he entertained the citizens of Alexandria. But this last evidence, which is deemed conclusive, admits of an easy solution; for Indian was a word of almost as extensive signification in that age, as the present; in comprehended the Castes of Africa, as well as the handsome Afratick blacks, and the commerce with Arabia was long called the Indian Trade, before the Greeks of Egypt found their way to India. But if real Indians were a part of the procession, they were obtained in Sabèa. The Arabians dealt in slaves, and the Greeks

⁶⁹ Ser Hursia's Voyages, vol. 1. book i. c. 2. and is eccunted mull ably. I am obliged to compared with p. quy. This work is quoted him for many references to nothers, which I as Plancia's, but this part of it, in the fecond have it not is my power always to acknowedition here referred to, is by Dr. Campbell 1 ledge.

might find Indian flaves in their market as well as any other. Huet, Robertson, and Harris are all very definous of finding a trade with India under the Ptolemies; but the two latter, as they approach the zeal age, when this commerce took place, upon the difeovery of Hippalus, fully acknowledge, that all proofs of a more early existence of it are wanting; no contemporary author afferts it : and the tellimony of Agathurchides, whether we place him in 177, or with Dodwell, in 104, A. C. affords perfect evidence to the contrary. The internal evidence of the work itself carries all the appearance of genuine truth, and copied as it is by Strabo and Diodôrus it obtains additional authority". They have both added particulars, but none which prove a direct communication with India in their own age. They both terminate their information at Sabea, where he does, and both suppress one circumstance of his work which Photius has preferved, that thips from India were met with in the ports of Sabča. Whatever knowledge of India, or Indian trade, they have beyond this, is fuch only as they derived from the Macedonians, and is totally diffinet from the communication between Egypt and that country.

In regard to the influx of wealth into Egypt, it would be equally the fame, whether the Greeks imported Indian commodities from Arabia or from India direct. For as the Sabeans were peffeifed of the monopoly between India and Egypt, fo-Egypt would enjoy the fame monopoly between Sabea and Europe.

often joined with that of East-dileum by p. 758 white He of all may charles be formed throbes, that it is highly quotable it contains. The types of it of ways we allow the past superall that Emtolibrary knew, with the addition. will not

of The authority of Agustarchides is to of his own information. So Strales, Ith. avi.

The confirmers, indeed, must bear the burden of this double monopoly, but the intermediate agents in both inflances would be gainers, and the profits, while the trade was a monopoly, would be, as they always have been, enormous. The fovereigns of Egypt were well apprized of this, and to jealous were they of this prerogative of their capital, that no goods could pale through Alexandria either to India or Europe, without the intervening agency of an Alexandrian factor.

In the defeription which Agatharchides gives of Sabea there is nothing inconfittent with probability; but this is the boundary of his knowledge towards the Eath, and the marvellous commences at the fucceeding step, for he adds, that as foon as you are past Sabea, the fea appears white like a river; that the Fortunate Illands. fkirt the coast, and that the flocks and herds are all white, and the females without horns". If this has any foundation in truth, the iflands are those at the mouth of the gulph, if we ought not rather to understand the ports of Aden and Cana; and the mention of vellels arriving here from the Indus, Patala, Perfis, and Karmania is agreeable to the fyftem of the commerce in that age, A flight notice of the different appearance of the constellations next fucceeds, and then an illustrious truth, that in this climate there is no twilight in the morning. Other circumflances are joined to this, which miffead; as the rifing of the fun not like a diffe but a column; and that no fhadow is cast till it is an hour above the horizon. A more extraordinary effect is added, that the evening

" It is not extraordinary that theep should occurrence from the time of Homer to that of

he found without books, but it is remarkable. Agetherchider. that this fhould be regarded as a marvellous

twilight lafts three hours after fun-fet. These circumstances are introduced to excite the attention of the modern navigator; for notwithflanding they may be falle, ffill there may be certain phênomenn that give an origin to the fiction.

If it thould now be inquired how the commerce with India could be in this flate to late as the reign of Ptolemy Philometor, or why the discoveries of Nearchus had not in all this time been profecuted? the answer is not difficult. The fleets from Egypt found the commodities of India in Arabia, and the merchants contented themselves with buying in that market, without entering upon new adventures to an unknown coaft. There is every reason to suppose that Sabéa had been the centre of this commerce long prior to the difcoveries of Nearchus, and the age of Alexander; and it is highly probable that the Arabians had even previous "to that period ventured acros's the ocean with the monfoon. That they reached India is certain, for Indian commodities found their way into Egypt, and there is no conveyance of them to obvious as by means of Arabia and the Red Sea. The track of Arabian navigators is undoubtedly marked along the coult of Gailrofia, before Nearchus ventured to explore it, for the names he found there are many of them Arabick; and if conjecture in fach a cafe be allowable, I thould suppose that they kept along the coult of Gadrofia to Guadel or Policin, and then flood out to lea for the coast of Malabar. My reason for supposing this, is, that Nearchus found a pilot at Poffem, which implies previous

11 Harris, i.e. Dr. Campbell, Henry, and cident, he would sending find the mean of

Radiction all Relaxible to this opinion, and territoring by an Arabin world, he would the from this fall a former degree of probability wife born the nature of the months. See attaches to the account of Plocumus's fried Bruce, vol. i. 369. man, for if he was carried to Crylosi by ac-

mayigation, and adds, that from that cape to the Gulph of Pertia the coast was not to obscure as from the Indus to the

CHDEC

But if Nearchus reported this, or if the commentaries in the Alexandrian library contained any correspondent information, how could Agathurchides be ignorant of the navigation bewond Sabea? He was not ignorant of Nearthus's expedition, for he mentions the Ichyophagi of Gadrofia, with many circumflances evidently derived from Nearchus, and others added, partly fabulous perhaps, and partly true, from other fources of intelligence, such as the histories, journals, or commentaries in the library.

He mentions expressly the manner of catching fifth, as described by Nearchus, within nets extended along the fheals upon the coaft ". and the habitations of the natives formed from the bones of the whale. He notices the ignorance and brutal manners of the natives, their drefs, habits, and modes of life; and one circumflance he records, which he could not have extracted from Nearchus, which is that beyond the fraits which separate Arabia from the opposite coast, (meaning, perhaps, the entrance to the Gulph of Perfis,) there are an infinite number of feattered iflands very finall and very low, and extended along the fea which wather India and Gadrotia", where the natives have no other means of supporting life but by the turtles which are found there in great abundance

duces obscurity and doubt, but the against

" He offer the very word, sagist, to often sumfor of thefe illmids can hardly imply to "The mention of Guidosia automity in- turns also and toronic shell is characteristick."

commented on in the journal of Nearchine. any but the Lackdives or Mahlines. The

and of a prodigious fize. I have thought it necessary not to omit this circumflance, because it appears to me as the first notice, however obscure, of the Luckdives and Muldives", called the islands of Limyrico in the Periplus, and diffinguished particularly as producing the finest tortoife-shell in the world. The mention of them by Agatharchides appears to be the carlieft intimation of their existence. In that fense the fact is curious, and confident with the purpose of the work, which is at present to thew the progress of discovery, as recorded by contemporary authors.

The extravagances or improbabilities which contaminate feveral parts of this account in Agatharchides, have been difregarded by defign; where knowledge ends fable commences, and much lenity of judgment is due to all writers who fpeak of diffant countries for the first time, or by report. This author does not diffindly mark his Idhyophagi. They are not merely those of Gadrosia, but others also apparently on the couft of Arabia or Africa . Regions, it is true, where fifh rather than bread has ever been the ftail of life, and where it continues fo at the prefent hour. Let any reader advert to the manner in which he speaks of the passage out of the Red Sea into the ocean, and he cannot fail to observe, that by giving the African coast an easterly direction, without notice of its falling down to the fouth, the commerce of that day had not yet paffed cape Guardafui,

formoded to relate to the Cherle of Pulciny, p. 52.
i. s. Malmes, the Golden Cherlesofe. But it ... As we the Littly oployed of Herndotta, is complet with the Blands of Lite with. x. Bh. III. p. 203, ed. Wellel. ming fit Moutanested of Said and along Superspires

¹⁷ Xromontorios is by Sulmation p. 907: var resonator wirth the Apoputit. Presp.

Single thips", or a few in company, might have doubled that promontory and flood to the fouth, and others of the fame description might even have reached India. Some obscure accounts from these were possibly conveyed to Alexandria, and from that source might have been recarded by Agatharchides, but these are all very different from his description of Sabéa, and comparatively vague or obscure. Of the trade to Sabéa he speaks diffinctly, as a regular established commerce; so far his knowledge was genuine, beyond that it is precarious. This is an opinion collected from a full consideration of the work itself, and to which no one, perhaps, after a fimilar attention would refuse to subscribe.

It has been thought of importance to detail these particulars from Agatharchides, because he is the genuine source from which Diodorus, Strabo, Pliny", Pomponius Mela, and Ptelemy have derived their information. Diodorus lived in the beginning of the reign of Angustus. He has copied the whole of Agatharchides, so far as relates to the Ichyophagi, Troglodytes, Ethiopians, and Arabians, in his third book. Strabo who lived to the end of Augustus's

This everywhere apparent, that Paskerry Philadelphos was more ardent to differency than his face-field. The Greeks who had have in Abellinia, as recorded by Pliny, st. \$5 were all politicly from by him, as Dation, Arabberron, Brons haddle, and Simonides and Tomotheres his admiral had certainly gone down the could of Africa; for to his Pliny attributes the first mattion of Cerne or Mailagafest. But what is here affected is manufactly to five, that so made on that could extited in confequence of this differency, as late as

Agetharchiden and even in the age of the Periodas the trade reaches no tarties than Rhapton and Menuthus. Zangurbar, in fourth lat 6° 0° 0°, whereas the nurth point of Madagafear is in int. 22° 0° 0°. Photony also only good to Praton, lat. 15° 0° 0°.

Pilay rather accords with Aguthurchides than copies hims he forms to have gone to the fource: -their Greeks I mean who entered Ethiopia in the age of Philadelphia. See

lib. vz 350

reign", has followed Agatharchides in regard to the same countries, in his fixteenth book, and has added little to our knowledge of Arabia, but the expedition of Elius Gallus into that country. He has little more express concerning the navigation down the coast of Africa, and eastward he shaps at Sabea with his author. On the coast of Gadrosia he has followed Nearchus more faithfully than Agatharchides, but has no mention of the Lackdive Islands; and the little he says of Taprobana, is a proof that it was known by report, but not yet visited. Pliny and Pomponius Mela in many detached parts tread the same ground, and copy the same author.

But if Agatharchides lived under Prolemy Philometer, it is natural to afk, had nothing been done during 170 years, towards further discovery by the fleets that failed annually from Egypt? The answer is, that whatever was done is not recorded; the course of discovery was doubtless in progression; but there is a great disference between effecting the discovery, and bringing it into general knowledge, or making it a part of history. It is possible, also, that the fovereigns of Egypt were more jealous of the trade than am-

homium, who were agains, tradity, and momopulitie, finth as Jegurtha to be in Zerma, and the acceptant Miller and the glassical in Alia Millor, or the morehout hillful at Geration [Origina], Cafar Belli Galli, and you fee the figure of adventure, and the extent of commerce as a lingle glasse. (See all) the Labors of Cleans, address confed of Cilicia.) Do Compbell, in his Political Socrey, has present their conduct on the matter in regard to to train, and the perfect work will give a mall extraordinary (perimes of it in Egypt.

[&]quot;The Romans do not appear a commercial people, because their great officers and stair hillers are too much arrached to sur, and the acquillation or power, to notice in All, therefore, that we have of communes is obtiquely, but the wealth of accommune was provenish. (See Horace, the iii od. a. 1. yeater term, who keys, is contampe to be in the terms who we a marriage and adjulying of polyton greater than Scipic, because his in the followed the street, who fixed is the provence all the street, who fixed is the provence all these or allied, the first greater

bitious of the honour; and the later princes were more likely to cramp commerce by extertion, than to favour it by protection. The Phenicians had manifelly a there in the profits from incommencement, and it was not unlikely that the Romans might have felt this as an additional incentive for the inbjugation of Egypt, if they had been fully informed of the means it afforded for adding to the wealth and aggrandifement of the republic.

It is not meant, therefore, to deny the extention of the voyages progressively, either to the east or the fouth; for as long as there was any vigour in the government of Alexandria, the trade on the Red Sea was a favoured object. We learn from Strabu and Diodorus, a circumstance not mentioned in Agatharchides, and probably later than his age, that the Nabatheans at the head of the gulph had molested the sleet from Egypt by their piracies, and had been suppressed by a naval force sitted out for that purpose. This, at the same time it proves the attention of the Egyptian government to this trade, proves likewise that the sleets still crossed the gulph from Myos Hormus or Berenice, and did not strike down at once to Musa or Occias, as they did in the age of the Periplus.

This mark of attention also adds highly to the probability, that some progress had been made to the fourth, down the coast of Africa; for there, from the first mention of it, there seems always to have been a mart for Indian commodities; and the port of Mosyllon, as appears afterwards by the Periplus, was a rival to Sabéa or Hadramant. Mosyllon was under the power of the Arabian king of Maphartis, in the same manner as the Pertuguese found that nation masters of the coast of Africa, sisteen centuries later, and the convenience of these possessions to the Arabias is self-evident;

for as vellels coming with the monloon, for the Gulph of Peria make Markat, to those bound for Hadramant or Aden run down their longitude to the coast of Africa; here, therefore, from the earliest period that the monloons were known to the Arabians, perhaps much prior to Alexander, there would be marts for Indian commodities; and here it is highly probable the sleets from Egypt found them, when the Sabdans were too high in their demands.

That this commerce had taken place foon after the time of Agatharchides may be collected from Strabo, who cites Artemidorus . to prove that there was a trade on the coast of Africa as low as the Southern Horn. He mentions, indeed, that at the firsts of the Red Sea the cargo was transferred from thips to boots or rafis, which, though it manifelts that the navigation was only at its commencement, fill proves its existence. He does not name Mosvilon, but the Periplus, by noticing that feveral articles were called Mofyllitick, demonstrates, that a commerce had been carried on at that port previous to its own age, and that Indian commodities were fought on that coast before they were brought immediately from India. If there were such a mart, this must be a necessary event, for in the first instance the trade of Sabea was a monopoly, and if the fovereigns of Aden or Maphartis had opened the commerce, either in their own country or Africa, it would draw a refort thither as foon as the port could be known, or the voyage to it be effected. The date of this transaction it is impossible to afcertain, but a variety of circumflances concur to thew that it had taken place previous to the discovery of the montoon by Hippaluz. 43 2

HIPPALUS

VIII. The discovery of Hippalus opens a scene entirely new to our contemplation; and if it has appeared that hitherto there are only two sources of information, the Macedonians and Agatharchides; if it has been shewn that all the authors between Agatharchides and the discovery, speak the same language; it will now be still more evident, that a new era commences at this point, and that the Peripius, Pliny, and Ptolemy are as uniform in one system as their predecessors were in another, previous to

the discovery.

Dodwell has observed, with his usual acuteness, that it is no proof that the Periplus is contemporary with the age of Pliny, because he mentions the same sovereigns, in the different countries of which it treats; for he adds, Ptolemy notices the very same, Ceprobotas in Limyrice and Pandion in Malabar. He supposes, therefore, that the Periplus copied Pliny or Pliny's authorities, and that the same princes might be reigning from the time of Vespasian to the reign of Adrian. But would not this correspondence of the three be equally consistent, if we suppose them all to have but one source of information? Dodwell would subscribe to this in regard to Pliny and Ptolemy, whose age is known, but he refuses this solution to that of the Periplus, the date of which he chooses to bring down as low as Verus. Of this more in its proper place.

The truth is, that there are no data for fixing the discovery of Hippalus with precifion. It is certainly subsequent to Strabo whose

death is placed", anno 25. P. C. for Strabo who was in Egypt with His Gallus must have heard of it, and to all appearance it must have been later than the accident, which happened to the freedman of Annins Plocamus, who, while he was collecting the tribute on the coast of Arabia, was caught by the monfoon and carried over to the ifland of Ceylon. This happened in the reign of Claudius, under whom Plocamus was farmer of the revenue in the Red Sea. The reign of Claudius commences in the year 41 of our era, and ends in 54. Let us allume the middle of his reign, or the year 47, for this transaction, and as Pliny dedicates his work to Titus the fon of Velpafian, if we take the middle of Velpafian's reign it coincides with the year 73". This reduces the space for inquiry within the limits of twenty-fix years. From these we may detract the first years of Vespalian, which were too turbulent for attention to commerce, with the two years of Galba, Otho, and Vitellins; Nero reigned fourteen, and in the early part of his reign, or the fix last of Claudius, the date might be fixed with the greatest probability, because, if we suppose the return of the freedman of Plocamus, the embaffy that accompanied him, or the knowledge he acquired to be a cause, or in any degree connected with the difcovery, this space confined to about ten years is the most confistent of all others, to allot to this purpole . Another fact connected with this is, the profusion of Nero in cinnamon and aromaticks,

his work between that and twenty-five.

"Salmañas fays, 75, 830 anno urbis con-

dita: p. 1180:

A. C. which is impuliate, for Augustes febdued Egypt smu 3c. A. C. and Strabe mull lians been in Egypt with Gullus to twentyfeven, or twenty-fix, A. C. He could not write

^{*} Harris fixes Hippolin's different in the reign of Claudian, vol. is 431.

at the fineral of Poppea. An extravagance, wanton as it is, which beforeks fomething like a direct importation of the material. And we are likewise informed by Pliny, that he feat two centurious from Egypt up, into Ethiopia to obtain a knowledge of the interior; an inquiry naturally attached to the discoveries on the coaft.

The usual date attributed to the discovery of Hippalus is the reign of Claudius. Dodwell and Harris are both of this opinion, and the latter, or rather Dr. Campbell his editor, has treated this subject to ably, that if it were not necessary for the illustration of the work before us, it would have been sufficient to refer to his inquiries, rather than to tread the ground again which he has occupied. Let us assume then the seventh year of Claudius", answering to the forty-feventh of the Christian era, for the discovery of Hippalus, and the next object of inquiry will naturally be the date of the work which we are to examine.

AGE OF THE AUTHOR OF THE PERIPLUS.

IX. The learned Dodwell and Salmains affix two very different dates to the Periphis, and between two fuch able disputants it is eafier to chase than decide. My own observations lead me to prefer the opinion of Salmains, but not so peremptorily as to

"Dodwell large, in primin armin Chaudii, and Toppedes that Plary takes his account of Hilpmans from a work which Claudian handelf wrote a certain it is, that the manney of Claudian was exercitly the Alexandrian, and not improbably by realou of this discovery and the profession of it.

[&]quot;See Piny, in a the the parage it if is obtain, in proceed that Pliny knew (what was not known in the prior age,) that common and calls were not the native produces of Arebes. That a does not fully prove that the correlation of the form more difficult marks.

suppose the question cleared of all its difficulties, and there is a hint dropt by Dodwell, that I should wish to adopt, if I were not convinced that the author of the Periplus really vilited leveral of the countries he defaribes.

Dodwell supposes that the work was compiled by some Alexandrian " from the journal of Hippalus; and fo far it is just to allow, that the parallel information in Pliny and the Periplus does not appear to properly to be copied by either from the other, as from fome authority common to both. But that the author, whatever he copied, was a navigator or a merchant himfelf, cannot be denied, when we find him speaking in the first person upon some occasions, and when we read his account of the tides in the gulph of Cambay, which is too graphical to come from any pen but that of an eye-witness.

This author and Pliny agree in the description of Hadramant ! and Sabbatha, in the names of the kings and of the ports on the coult of Malabar, as Muziris and Cottonara, and of the Sinthua; in the departure of the fleets from Ocelis and Cana, and a variety of other circumflances; but their most remarkable correspondence in their hillory of the Spikenard and Collin"; both mention the

Ganges

Tur callecture Schots cample convenitur ports an id ma parente, duredi via capital. Plin Salmaf. 492-

[&]quot;Certo Hippall perform convenient ex- simply sorted asting. Perip. p. 15. smuffin halin hinerarii anta. Nomes ipfansnum Alexandrioum faille prodit, per Remanny fellows, one Agranian, fed place Gracian, spatia trant colonorum Mazananum Alexandricarum, District p. 102.

[&]quot;4 Yelpentar B daris puropus a Metgrand Talleda is a at I Emphili arready that I a purchase the do not going different bis overe wormy belogies.

of Pfling, lib, all. a. va. Ed. Hand. De billio Nardi plara dici par all ut principale la Unguintik ... afterum rjus yenus apud Gangem unfectts; dummitue in totum, Oramitidis nomine, virus redolms.- The first is the Congities of newscreen sensition or of godina icromical figures the Periphics, written also Gapanica. The

Ganges and Ozênê as the marts for the former, and the Pattalène for the latter. The intelligence is undoubtedly the fame in both, and yet there is no absolute proof that either copied from the other. But those who are acquainted with Pliny's method of abbreviation would much rather conclude, if one must be a copyist, that his title to this office is the clearest. Wherever we can trace him to the authorities he follows, we find that narratives are contracted into a fingle featence, and descriptions into an epithet. This appears to me fully ascertained in the present instance, but conclusions of this fort are not halfilly to be adopted.

Pliny perished in the eruption of Vestivius the same year that Vespasian died, which is the seventy-ninth of our éra; and if we place the discovery of Hippalus in forty-seven, a space of thirty years, is sufficient for the circumstances of the voyage, and the trade to be known in Egypt; from whence to Rome the propagation of intelligence is more natural than the reverse. But if we should be disposed, with Dodwell, to carry the date of the Periplus down to the reign of Marcus and Lucius Verus, that commenced in 161;

latter is from the Oxens of the Periphe 1 which Hardam is 6s for from anderfluxling, that he writes Oxenizide als of the anderfluxling, that he writes Oxenizide als of the appeal of the first markets as obtained at Patela Prime Ratio introlled among ladi in Patela Initial, where the Periphenia find had in the Periphe part, the compared with page 12. If there pullages of the Periphe had been complete a little and contiguous, a they do in Plan, the proof small have been complete a featured as they are, it is usually be.

The sufface in the Periods can thur: X of face 1 - every special of Live 20 a consequence posts that in Charlest Long of Suphar, is spen friendly time with the Roman emperors, and receives prefents and emballing from them. The word experience is the phose, indiment Dodwell to enery down the date till be such with two labels emperors religing together. That a plural does not coming the set may have from Monyton Pering, who tays of Kome, not possible is a creating where Rathing share a familiar conclusion, than Diorythm lived under the Automora, but Pite, effect Theorythm, note in a citral present that Diorythm Read under the Automora, present that Diorythm Read under Augustia, This argument is from Vaffins, Pent. ad Dioryth Pering.

and at the diffance of almost a century, its correspondence with Pliny is by no means equally confident.

The strength of Dodwell's argument lies in the report of the Periplus, concerning the destruction of Arabia Felix, or Aden", by the Romans; and the mention of the coast of Africa being Subject to the sovereign of Maphartis, king of the first " Arabia. The title of first or second annexed to a province, is a division which certainly feems of later date under the emperors, than any period that would fuit the fyftem of Salmafins; but there is reason to suspect the text, or the rendering of it; and no authority which appears fufficient to prove that the territory of Maphartis ever was a Roman province in any age; or even if it might be fo called, as being tributary, no reason can be given why it should be diffinguished as the first.

In regard to the destruction of Aden by Cefar, the author of the Periplus Tays", it happened not long before his time. But what Cefar this should be is a great difficulty. Dodwell, who suppoles that it must be by some Celar who destroyed it in person, can find no emperor to whom it can be attributed prior to Trajan. But Trajan never was on the fouthern coast of Arabia; he entered the country from the Gulph of Perlia, but never penetrated to the fouthern coast by land, and never approached it from the Oulph of Arabia. It is much more just, therefore, to conclude that Aden " was destroyed by the command of Cefar, than by

of Page 25. 19 Page 10. 39 Page 15. thinly correspondent, or very nearly fat. It is "The proof that Aden is the Arnhia Palls on another form for a name of a town: but

of the Periphha, reals upon the laterpretation is conformed by Pomp. Mela, liberia c. S. of Aden-delinie, by Hast, and admitted by Canz, Arabia et Gandanne, d'Anville, from its fituation, article is cor-

Cefar in person; and if so, any Cefar whose age will coincide with other circumstances may be assumed. Many probabilities conspire to make us conclude that this was Claudius.

The Romans, from the time they first entered Arabia under Elius Gallus, had always maintained a footing on the coast of the Red Ses. They had a garrifon at Leuke Kome in Nabathea", where they collected the cuftoms, and it is apparent that they extended their power down the gulph, and to the ports of the ocean, in the reign of Claudius, as the freedman of Annius Plocamus was in the act of collecting the tribute there, when he was carried out to fee. If we add to this the discovery of Hippalus in the same reign, we find a better reason for the destruction of Adea at this time, than at any other. Aden had been one of the great marts for the Indian commerce, and if Claudius, or the prefect of Egypt, was now disposed to appropriate this trade to the Romans, this was a fufficient cause for running Aden, in order to imprefs rivals or interlopers. The jealoufy or opposition of Aden to the new discovery would naturally afford ground for quarrel, and if not, the Romans knew how to provoke one whenever it fuited their interest.

These considerations are offered as a probable answer to the weightiest of Dudwell's arguments; his long and realious disquisition concerning Paletimandus, will defear itself. It stands thus: having determined that the age of the Periplies must be that of Marcus and Lucius Verus, he is obliged to suppose, that the author could not have seen the work of Prolemy, who lived in the reign of Adrian. Now the reasons for establishing the priority of the

Periplus are thefe; first in going down the coast of Africa, the extent of discovery is Rhaptum, in latitude 10 o'o' fouth; but in Ptolemy a farther progress is made to Prasium, in latitude 15 0 of fourth. This naturally appears a proof that Prolemy is the later writer. But a flronger follows; the Periplus flyles Ceylon, Palefimundu, and adds, " it is the fame iffamil as the ancients called "Taprobana"." But in the time of Ptolemy it had acquired a third name, Salice, and he accordingly writes, " Salice, which was er formerly named Palefimundus." It follows then, that the author who writes Palefimundus must be prior to the author who writes Salice. Dodwell, in order to obviate this felf-evident truth, in the true spirit of lystem, is necessitated to argue, that the author of the Periplus, though an Alexandrian, had nover feen the work of Prolemy, who was of Alexandria alfo; but that he copies Pliny, who was a Roman; and then to support this strange hypothesis, he is compelled to maintain, that the Palchmundus of Pliny is not Ceylon, or the Taprobana of the ancients, but the Hippocura of Prolemy on the coast of Malabar. How these affertions could be. deemed authentic by any one, when Dodwell wrote, is incomprehenfible, unless we calculate the dignity which attaches to erudition. But we now know that Salice is derived from Sala-bha ", the Shanfkreet name of Ceylon, and Palefimundus, from Parathri-mandala, the country of Parashri ", or the Indian Bacchus. Both are native names, and voyagers at different times acquired both from the

11 2

natives.

O Paullio, p. 372; Regl, entrem Litteri of Paullio, p. 468. Sala is considerly the Patrix. The Ring, Tays Pliny, worthips Daction of Selice, of Selection, or Serra-dire and char.

natives. When the ifland of Ceylon comes under confideration in the course of the parrative, more will be faid on this fubject, at present this is ample proof, that the merchants in the age of the author called Ceylon Palelimundus, and that in Ptolemy's age it was flyled Salice; if Prolemy then allows the former to be first in use, the Periplus must of necessity be prior to his publication.

Dodwell fays", that none of Ptolemy's aftronomical observations are earlier than the ninth year of Adrian, answering to 123, A. D. If then the first year of Marcus and Lucius Verus is 161, A. D. We add nearly forty years to the antiquity of the Periplus at one flep, it could not be later than 123, and how much earlier must be the next object of our inquiry. On this head probability and conjecture must supply the place of proof. The author fpeaks of the discovery of Hippalus, without specifying its date, or its diffance from his own time. Some confiderable interval is manifest from his expression, when he says, " from the time of " Hippalus to this day fome fail straight from Kane, &c." but what space to allot to this interval is by no means evident. From the feventh of Claudius, the affirmed epoch of the difcovery, to the ninth of Adrian", is feventy-eight years, a space in which we may fix the publication of the Periplus, fo as best to fait with other circumftances, and there is one reason to fix it confiderably previous to Ptolemy ", which is this; Ptolemy professes to derive his

⁶⁰ Differt. p. 29.

the oth of Adrian-

[&]quot; Salmann writes, hime liquet auchremeffe setultiffmam & loops Ptoleman anteris-Protein, published much later, for he orem, at the conclusion of his argument on the lived till 161 at least, near losty years after sample of Angullus, in Limyrice. Plin. Ex. P. L186.

information from the merchants of Egypt, and the Periplûs feems to be the very work he would have confulted; if he had known it, and yet one circumflance is fufficient to prove, that it never came under his contemplation. His error of extending the coast of Malabar west and cast, instead of north and south, is notorious; this he could not have done if he had consulted the Periplûs, for there it is laid down in its proper direction. This induces a belief, that it was not published in, or near the age of Ptolemy, but so much prior as to be neglected, or from its compass and contents not to have obtained much notice at the time of its publication. It is not easy to account for Ptolemy's difregard of it on any other ground, unless he knowingly slighted it, and preferred the accounts of later voyagers.

But in order to see the state of things suitable to the internal evidence of the Periplus, we must take a view of the Roman government in Egypt. Egypt became a Roman province in the year thirty before our era, and from the moment it was subdued. Augustus planned the extension of the Roman power into Arabia and Ethiopia, supposing that Arabia produced spices, and Ethiopia, gold, because these were the articles brought our of those countries into Egypt. The avidity with which this plan was adopted may be conceived by observing that, within ten years after the reduction of Egypt, Gallus had penetrated into the heart of Arabia, and Petronius had advanced eight hundred and seventy miles above Syêne into Ethiopia, and reduced Candácè the queen of that country to the condition of a tributary.

The expedition of Petronius is fixed to a certainty in 21,

A. C. because the embassadors of Candace found Augustus at

Samos.

Samos, where he was that year; and that of Gallus was contemporary, because his absence with a part of the troops of the province was the inducement for Candace to insult the government. And it must have been but a very few years after this, that Strabo went up to Syene with Elius Gallus, who was then become presect. Upon this occasion he observes, that he was informed an hundred and twenty ships now failed from Myos Hormus annually for India, whereas, under the Ptolemies, a very few only

hail dared to undertake that voyage ".

The embaffies from Porus and Pandion to Augustus, mentioned with fo much offentation by the hifforians, afford confiderable proof of the progress of Roman discovery in the east; and the vessels which conveyed these embassiadors from the coast of Malabar must have landed them either in Arabia, or in the Gulph of Perfia, or the Red Sea; the conveyance also of the freedman of Plocamus back again from Ceylon to Egypt, proves that the voyage was performed previous to the discovery of Hippalus, therefore, to the affertion in the Periplus we ought to suppose that none of their conveyances were performed by means of the monfoon, unless we should allow the vessels to be Indian or Arabian, for both these nations appear visibly to have known the nature of these winds long before the Romans were acquainted with From these circumstances we may collect the extreme defire of Augustus to extend his knowledge and his power towards the east, and though the inert reign of Tiberius, or the wild tyranny of Caligula, furnish no documents of a further progress,

s Strabo, lib. nell. p. 819.

tos 'colpus cas minutes Ibida

we may conclude, that the prefects of Egypt were ftill intent on promoting a discovery once commenced, and with which the emoluments of their own government were to immediately connected. We must suppose, that the Roman sleet was superior in the Red Sea and on the fouthern coast of Arabia, before any of the powers on that coast could become tributary, and tributary they indubitably were before the reign of Claudius, or Plocamus could not have been farmer of the revenue,

When the freedman of Plocamus returned from Ceylon, if he came in a Roman vellel he must have coasted his whole voyage; but as the king of Ceylon sent sour embassadars with him to Claudius, and a rajalt to take charge of the whole, we must conclude that they came in an Indian vessel to Arabia, and that the freedman learned the nature of the monsoon in the course of his navigation; this is so near in point of time, that we cannot be missaken in supposing it, connected with the attempt of Hippalus, and in confequence of it, the revolution in the whole course of Oriental commerce.

The advantage which Claudius made of this diffeovery, and the profecution of it to beneficial to Egypt, rendered his name dear to the Alexandrians; his writings were reheated in their muleum, and the account he gave of this commerce is juilly believed by Dodwell to be the fource of Pliny's information."

It is this circumstance which above all others induces me to fix the destruction of Aden under Claudius, or at latest under Nero, whose

Principe corum Rachia, Pliny. I have Dodwell, Differt, p. 93, from Suctamina no Inditation in fable-thing to the opinion of Claud, c. q.r. But this was not there own Profice, that Rachia is Rajah.

mind was equally fixed on Ethiopia, Arabia, and India, as the fountains of all the treasures of the east. The more important every step grew in pursuing this commerce to the source, the greater temptation there was to suppress every power which could come in competition. One thing is evident, Aden was not destroyed by any Celar in person; for we cannot find in all history a Celar that ever visited the southern coast of Arabia. If it was by the command of Cesar, it suits no one so well as Claudius or Nero, or if they are too early, there is no other but the reign of Adrian to which it can be attributed. Adrian was in Egypt himself; his system was all directed to regulation and improvement of the provinces; this might be a part of his plan. But there is nothing in the Periplus itself to make us adopt this period and much to contradict it.

It has been necessary to investigate this fact with accuracy, because the date of the work depends upon it; for at whatever point we fix the destruction of Aden, very near to that we must fix the Periplus; as the author intimates that it was not long before the period in which he writes. It is not fatisfactory to leave this question retting upon probabilities only. But where history is filent, probability is our only guide, and correspondent circumstances are the best foundation of probability.

From these premises the reign of Nero appears most accordant to the internal evidence of the work itself, or if the reign of Adrian should be preferred, it must be the year be was in Egypt, which is the tenth of his reign, and answers to the year 126, A. D. The objection to this is its coincidence with the age of Ptolemy, which for the reasons already specified can hardly be reconciled

reconciled to confidence. I affirme, therefore, the reign of Claudius for the discovery of Hippalus, and the tenth year of Nero for the date of the Periplüs, leaving the question fill open for the investigation of those who have better opportunities for deciding upon its precision.

INTERCOURSE WITH INDIA ANTECEDENT TO HISTORY.

X. In entering upon this subject two considerations present themselves to our view, which must be kept perfectly separate and distinct: the first is, that the intercourse itself is historical; the second, that the means of intercourse can only be collected from circumstances; the former admits of proof; the latter is at best hypothetical. I can prove that spices were brought into Egypt, (which implies their introduction into all the countries on the Mediterranean,) and I argue from analogy, that Thebes and Memphis in their respective ages were the centre of this intercourse, as Alexandria was afterwards, and as Cairo is, in some degree, even at the present hour.

That fome Oriental spices came into Egypt has been frequently afferted, from the nature of the aromatics which were employed in embalming the mammies"; and in the thirtieth chapter of Exodus we find an enumeration of cinnamon, cassa, myrrh, frankincense, stacke, onycha, and galbanum, which are all the produce either of India or Arabia. Moses speaks of these as precious, and appropriate to religious uses; but at the same time in such

worms but the semants fighteness.

quantities", as to thew they were neither very rare, or very difficult to be obtained. Now it happens that cinnamon and casha are two fpecies of the fame spice ", and that spice is not to be found nearer Egypt or Palelline, than Ceylon ", or the coast of Malabar. If then they were found in Egypt, they must have been imported; there must have been intermediate carriers, and a communication of fome kind or other, even in that age, must have been open between India and Egypt. That the Egyptians themselves might be ignorant of this, is possible; for that the Greeks and Romans, as late as the time of Augustus", thought cinnamon the produce of Arabia, is manifest from their writings. But it has been proved from Agatharchides, that the merchants of Sabea traded to India, and that at the time when Egypt possessed the monopoly of this trade in regard to Europe", the Sabeans enjoyed a fimilar advantage in regard to Of these circumstances Europe was ignorant, or only imperfectly informed; and if fuch was the case in so late a period as 200 years before the Christian era, the same circumstances may be supposed in any given age where it may be necessary to place them.

There are but two possible means of conveying the commodities of India to the west, one by land through Persia or the provinces on the north, the other by sea; and if by sea, Arabia must in all

the Five hundred fickels of myrth, five a Anglasian of colorade into the colorade and first of passing two hundred and fifty of passing and payers and level. Alternative has a management.

or See article Kullis Katia in the lift of articles of commerce.

ser See Strabet, lib. wei paffirm.

set gal ply lif all permitting type. Mile yes

Anglishus at amount in a sect of article of the period of the section of all fluiding goods, with the fifteender of them to all other nations. Strabe, lib. avii. po 798.

ages have been the medium through which this commerce paffed, whether the Arabians went to Malabar itself, or obtained these articles in Carmania, or at the mouths of the Indus.

In order to fet this in its proper light, it is necessary to suppose, that the spices in the most fouthern provinces of India were known in the most northern, and if from the north, they might pass by land; from the fouth, they would certainly pais by fea, if the fea were navigated. But in no age were the Perfiaus", Indians, or Egyptians, navigators; and if we exclude thefe, we have no other choice but to fix upon the Arabians, as the only nation which could furnifly mariners, carriers, or merchants in the Indian DOMESTI.

But let us trace the communication by land on the north; it is only in this one inflance that I shall touch upon it; and that only because it relates to an account prior to Moses. Semiramis "s is faid to have crefted a column, on which the immensity of her conquelts was described, as extending from Ninus or Ninive, to the Itamenes, (Jómanes or Jumna,) eastward; and fouthward, to the country which produced myrrh and frankincenfe; that is, eaftward to the interior of India, and fouthward to Arabia. Now, fabrilous as this pillar may be, and fabulous as the whole hiftory of Semiramis may be, there is fill a degree of confillency in the fable; for the tradition is general, that the Affyrians of Ninive did make

nations never used the ica; they certainly did, upon their own coality but there are not move, nor does hillory prove that there ever were, my my igators, properly to called, in the eathern fews, except the Arabiano, Malayo, doron-

^{**} It is not meant to affect that these and Chinese. The Chinese probably never palled the arms of Malarra, the Malays form is all ages to have mided with Bullis, and probably with the coult of Africa.

Me Bochurt, tom, i p. 105/ from Dio-

an irruption into India; and the return of Semiramis" through Gadrofia, by the route which Alexander afterwards purfued, is notized by all the historians of the Macedonian. If, therefore, there is any truth concealed under this history of Semiramis, the field is open for conceiving a confrant intercourse established between India and the Affyrian empire, and a ready communication between that empire and the countries bordering on the Mediterraneau. This intercourse would account for the introduction of the gums, drugs, and spices of India into Egypt, as early as the 21th century before the Christian era ", and 476 years antecedent to the age of Moses.

But this is not the leading character in the accounts left us by the Greek historians"; they all tend to Phenicia and Arabia. The Arabians have a fea coaff round three fides of their vaft peninfola; they had no prejudices against navigation either from habit or religion. There is no history which treats of them, which does not notice them as pirates or merchants by fea, as robbers or traders by land. We fearcely touch upon them accidentally in any

We when two dilies of two different countries agent, it is always ration to impose that they are bounded no trath it the Makeshier or parings as fitted as a the tillow of first and of it.) specifies, upon a carriety of opening in a set attention of the Tollien forcers in a set of the Tollien forcers in a set of the trade of the tillow of the continuous. It is reflected to its content or continuous, but it always forms to justify the sites that there had been form conquisited those of indee, by the submer which columnistics those

provinces which otherwise compaied the Perlim capits. It is this compail to which the Greeins accounts of Semicants and the Malablein agree.

Millian 1531 Blair.

"Herbit die, lib. III. p. 250. reckmis up fraktiscense, myrch, reffin, cinamon, laddours. (a pim.) and flores at the product of Arabin: these commodules were brought into Greece by the Paramonn. See also p. 252. anthor, without finding that they were the carriers of the Indian ocean.

Sahea", Hadramant, and Oman were the relidence of navigators in all ages, from the time that history begins to speak of them; and there is every reason to imagine that they were equally so, before the hifterians acquired a knowledge of them, as they have fince continued down to the present age.

It is furely not too much to admit that a nation with these dispositions, in the very earliest ages crossed the Gulph of Persia from Oman to Carmania: the transit in some places is not forty miles; the opposite coast is visible from their own shore"; and if you ence land them in Carmania, you open a passage to the Indus, and to the western coast of India, as a conclusion which follows of courfe.

I grant that this is wholly hypothetical; but where history slops, this is all that rational inquiry can demand. The first history to be depended on, is that of Agatharchides. He found Saben, or Yemen, in possession of all the splendour that a monopoly of the Indian trade must ever produce, and either here or at Hadramant or Oman is must ever have been; these provinces all lie within the region of the monfoans, and there is every region to imagine that they land availed themselves of these in the earliest ages, as well as in the latest. I conclude that their knowledge in this respect is prior to the building of Theles; and that if the monopoly on the

111 Granles, Ilb. trei, p. 769 et. fir. 691

Greeks; it is mustly contribut between Schola on did amorney extends to the years on the and Omno on the deman. Comm in the entirem occups, as Adres, &c. part of Arabia, towards the Culph of Perila.

[&]quot; Hallmant Is the America of the Sabina Years, on the Norther, but extends,

eaffern fide of the Red Sea was in their hands, that on the western fide was fixed at Thebes. The splendour of that city, still visible in its very ruins, is in no other way to be accounted for: it is exactly parallel to the case of Alexandria in a later period; for Alexandria did not trade to India, the monopoly was fill in Sabéa when Agatharchides wrote, and the monopoly at Alexandria was as perfect in regard to the Mediterranean, as that of Sahes was in regard to the Indian ocean. The wealth of the Prolemies was as pre-eminent as that of the Thebaick Dynasties, and the power and conquests of a Philadelphus or Energetes" lefs fabulous than those of Sesonchosis.

That the Grecian Dynasty in Egypt tried every experiment to evade the monopoly at Sabea, is manifest from history. The ftraits" of the Red Sea were paffed, the ports of Arabia on the ocean were explored, the maris on the coasts of Africa were vilited, Indian commodities were found in all of them. A proof direct, that the monfoon was at that time known to the Arabians ", though hillory knew nothing of it till the discovery of Hippalus; that is, till 200 years later: this is the more extraordinary, as the fact had been afcertained in part by the voyage of Nearchus, and as all its confequences would have been explored, if Alexander had lived another year. I always wish to be understood as never afferting

417 Strabo, like avi. p. 773.

*** Emergetes fays, in the Adulitick In- mult be very confined, I have met with only feription, he had reduced the subok world one influence, and that ma very different region, Ventus marinus fex integris munifibus regint in illo, [mari tenchroin,] et tum in alium ven-" I had espected to find an account of the turn convertitue. Al Ednilli, p. 34. the monloons in the Oriental winters, but as my More Tembroliss is so built east of Malaova,

to pener. Scionchofis could do no more.

acquaintance with them by translations only, if not of Chine.

that the voyage between Egypt and India was unterly unpractifed by the Greeks; the evidence is clear, that fome few vellels performed it. but they coaffed the whole way ": the greatest number is that menrioned by Strabo of an humired and twenty thips. The expence of fireh a navigation did not answer; it was found cheaper to purchase Indian goods in the old markets: the paffage by the monfoon was never attempted; and the folitary fact of all hiltory, which I can diffeover, provious to Hippalus, is that in the fabulous account of lambulus, I believe that fact, not as performed by lambulus, but as an evidence that fome fuch paffage had been heard of, that an obscure notion prevailed that it was made from the coall of Africa, and that, therefore, it was interwoven with the piece to give the fable an appearance of reality. I believe it to have land its rife from Arabia; and it is one proof among others, that the Arabians did reach India prior to history, and a fufficient reason why the Greeks found it cheaper to purchase their cargoes in the Arabian markets, rather than to go to India themselves. A truth certainly, if the Arabians failed with the monfoon, and the Greeks coafted the whole voyage.

These considerations taken in the mass, induce a belief that in the very earliest ages, even prior to Moses, the communication with India was open, that the intercourse with that continent was in the hands of the Arabians, that Thebes had owed its folendour

14 Hopsiers were Peoples. Strabo door Indust it is the full cutent that can be required; for Plany expressly tays, that the ports on the first west to India, but not all the Romma count of Malahur were only beginning to be were mallers of a good; and whether they known in his age. In what way they failed performed the whole veryage, or only to previous to the Perions will be noticed in its

certainly fully mean to fay, that a confiderable Arabia for Indian commedities, is a qualitant. proper place. If we suppose them to reach the mouths of the

to that commerce, and that Memphis role from the fame caule to the fame pre-eminence. Cairo forceeded to both in wealth, grandeur, and magnificence; all which it must have maintained to the present hour, if the discoveries of the Portuguese had not changed the commerce of the world; and which it does in some proportion fill maintain, as a centre between the cast and the Mediterranean. The effential difference between these three capitals and Alexandria, proves past contradiction, the different spirit and Superior system of the Greeks. These three capitals were inland for the fake of fecurity; a proof that the natives never were navigators or fovereigns of the fea. The Greeks were both; and the capital of the Prolemies was therefore Alexandria. Their fleets were superior to all that had ever appeared on the Mediterranean; and the power of their kingdom fuch, that nothing but a facession of weak and wicked princes could have deflroyed it. While Egypt was under the power of its native fovereigns, Tyre, Sidon, Aradus, Cyprus, Greece, Sicily, and Carthage were all enriched by the trade carried on in its ports, and the articles of commerce which could be obtained there and there only; the Egyptians themselves were hardly known in the Mediterranean as the exporters of their own commodities; they were the Chinese of the ancient world, and the thips of all nations, except their own, laded in their barbours.

The fystem of the Ptolemies was exactly the reverse. Alexandria grow up to be the first mart of the world, and the Greeks of Egypt were the carriers of the Mediterranean, as well as the agents, factors, and importers of Oriental produce. The cities which had rifen under the former fystem, bink filensly into intignificance; and

fo wife was the new policy, and to deep had it taken root, that the Romans, upon the fubjection of Egypt, found it more expedient to leave Alexandria in possession of its privileges, than to alter the course of trade, or occupy it themselves. Egypt, in firset propriety, was never a Roman province, but a prefecture, governed, not by the fenate but the emperor himself. No pretur or proconful ever had the command; no man above the equefician order was ever prefect; no Roman " ever entered the country without the express licence of the emperor. These circumstances are particularized to thew the wildom of the Greeks in their establishment of the fystem, and the wisdom of the Romans in contenting themfelves with the revenue, rather than the property of the country". This revenue, amounting to more than three millions flerling, they enjoyed for more than fix hundred years "; and till the moment of the Arabian conquest, Alexandria continued the fecond city of the empire in rank, and the first, perhaps, in wealth, commerce, and profperity.

These considerations are by no means foreign to our purpose: it is the design of this work to exhibit the trade with India under

than that of any native or foreign dynafty not mythological; and this foreerigmy, not will landing particular naturals of tyramy, floer form upon the whole to have been ever cifed for the good of the people, which is the end of all government. When Egypt fell, its profperity, though impared, was probably fuporiar to that of any other province of the empire. The reseme I take at a medium from the calculation of Strahe, who fays, that under Auletes, the worll of the Prolemies, it was 2.4-1.8-5 L, but he adds, that the Romans managed it to much greater allvantage, and can doubled it. Strahe like aven p. 708.

by Tiberius, was his going into Egypt without permission.

than that of any native or foreign dynasty for Tiberius, was his going into Egypt without permission.

than that of any native or foreign dynasty not mythological; and this foreignty, notwithillanding particular intervals of tyrony.

Egypt was allowed to engage in commerce. In the early part of their government at leaft, all the names we meet with in the trade of the Red Sea, Africa, and India, are Greek: Arrian, Disnytius, &c. &c.

which diffinguiffies them from those of other nations. If we place the meridian power of Rome in the age of Augullus, it was 700 years in rifing, mil 1400 years in falling. The favereigney of Egypt, for 600 years, is of greater duration.

every point of view in which it was regarded by the ancients; but if it were not my determination to close my researches with the voyage of Gama, I could now thew how a contrary policy has brought the richest country in the world to its present state of mifery. Policy, I fay, because, though the discovery of Gama must have injured Egypt, it could not have reduced it to defolation. It is the conquest of Selim, and a divided power between the Porse and the Mameluks, which has funk a revenue of three millions to a cypher"; a policy, in fact, which has cut down the tree to come at the fruit, which is not content with the golden egg, but has killed the bird that laid it "".

principles from the course of principles and any section of the course o

charges to let all against it.

what has been faid is regard to the Egyptime never appearing in the Mediterranean as a payal

ver There is a tribute paid by the Mame- power. The expression is meant to apply to luke to the Puths of Egypt, but is never that country only while under its native foveresolves Confiantinople, as there are always reigns. As impect to the Perfum, Macriloplans, and Romans it furnished large firsts. sas Exception, periago, may be taken to This redriction, omitted in its proper plane, the vacancy of the predent page allows me to

San Personal Property of the Party of the

City of phases, of freelesselest out the sendy the exists of the The sales Surfaces their design of the formation of the sales of the s THE RESERVE OF THE PARTY OF THE profession and the world of the profession and the the state of the s and the second second second

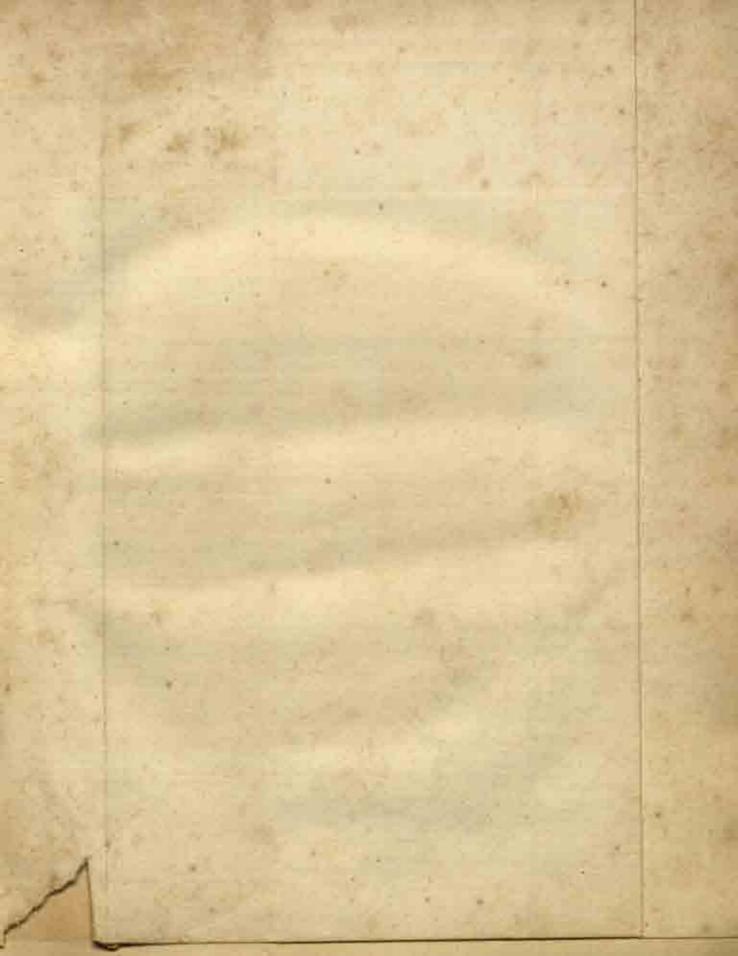
The names of places will be diffinguished by capitals in the margin; in which form the Greek found and Greek orthography will both be preserved. The Latin or modern orthography will be followed in the text, to avoid the appearance of fingularity.

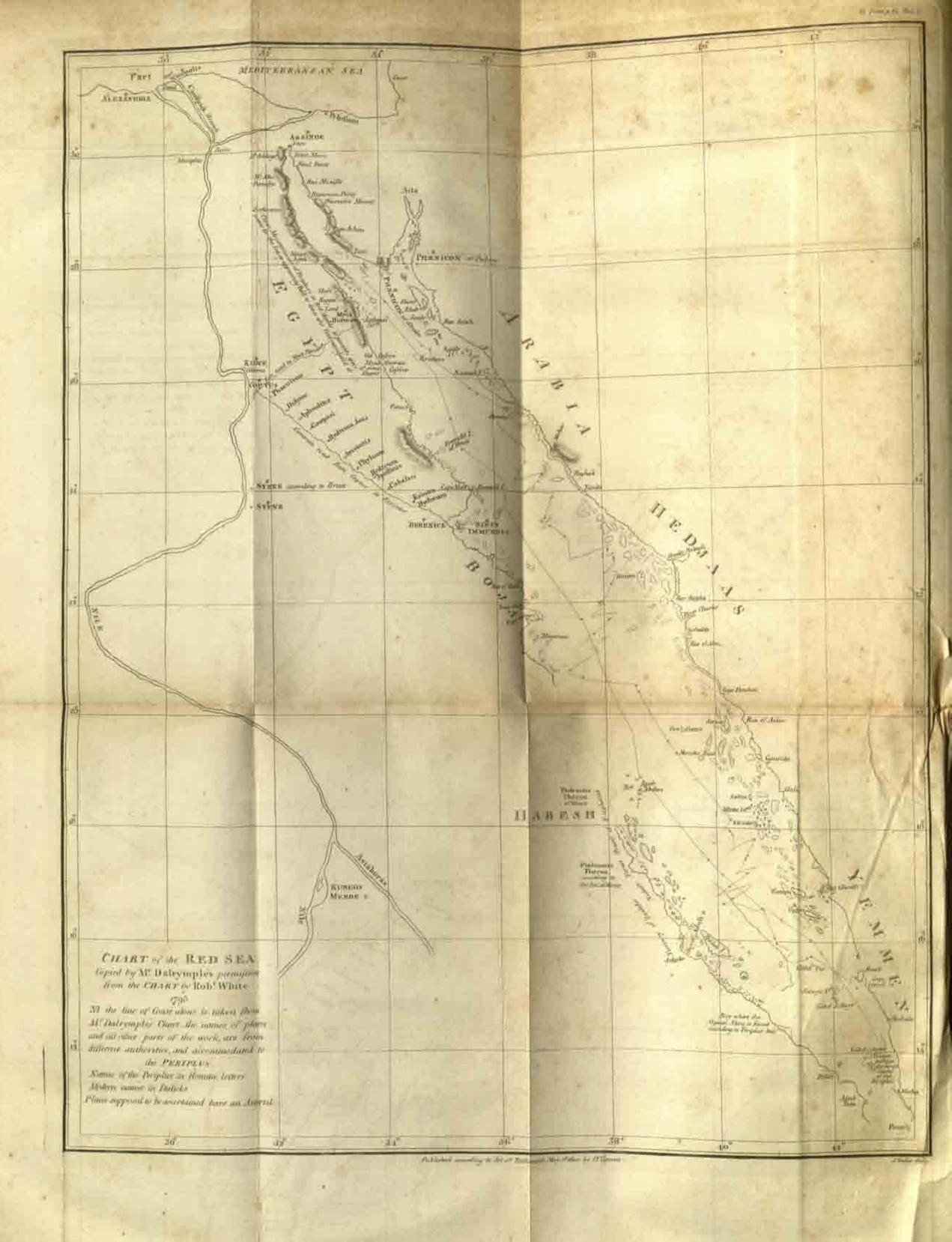
Marks of tones.

The accent, us Azania.

The note when a final is pronounced long or thort, as Calpe.

* The note of a long vowel or diphthong in the Greek, as Opône, Nella, Niloptolemeon, Kuenion.





PERIPLUS

OF THE

ERYTHREAN SEA.

BOOK II.

Butroduction. — I. Myor Harmer. — II. Berenice. — III. Inland Navigation to Goptus. — IV. Ptolevalis Therein. — V. Aduli, Abaffinia. — VI. Dirar, Straits of Bab-el-Mandeb. — VII. Abalitès. — VIII. Malio. — IX. Miladi. — X. Mofillon. — XI. Niloptole-moon. — XII. Marte, Topatégè, Daphabaa Micron, Elephas From. Rivers, Elephas, Daphabao Meyan, or Acaunai. — XIII. Tabai. — XIV. Obdoè. — XV. Apicopa. — XVI. Little Conft, Great Conft. — XVII. Serbpión, Nicón, Sevan Rivers. — XVIII. The New Canul or Mombaça. — XIX. Rhopta, or Quiloa. — XX. Menúthéfias, or Zanguebar filands. — XXI. Prafum of Ptolemy. — XXII. Menúthéas of Ptolemy. — XXIII. Limit of Ancient Difeovery. — XXIV. Heròdotus. — XXV. Btalemy. — XXVII. Difeoveries of the Portuguefe, Covilham, Marco Polo. — XXVII. Difeoveries of the Portuguefe, Covilham, Marco Polo. — XXVII. Voyages of Diaz and Gama. — XXVIII. Arabian Settlers Ancient and Modern on the Coeft of Zanguebar.

** Orientalem oram Africa fulcavit Auctor Peripli, cujus auctoritas majoris est

" facienda quam enterorum omnium, uspete qui folus veritati confentanca

er feripferit." Vosstus ad Molam. p. 595. ed. Varior. Lugd. 1722.

THE object proposed for consideration in the second book is the navigation of the ancients from Myos Hormus in the Gulph of Arabia, to the Promontory of Rhaptum on the coast of Africa. Myos Hormus lies in the twenty-seventh degree of northern latitude, and Rhaptum will be fixed near ten degrees to the southward of the equator; consequently we have a space of above two thousand five hundred miles to examine, involved in such obscurity, that without recourse to modern discovery, the navigation of the ancients is inexplicable.

The Periplus, which has been allumed as the balis of our disquisition, has a claim to this preference, not only as the most ancient but the most specific account extant; for notwithstanding particular places may have been noticed in treatises of a prior date, the line of coast which it embraces is to be found no where previously in detail; and the circumstances which it particularizes bear such a stamp of veracity, as to allure us, that if the voyage was not performed by the writer, it is at least delineated from authentic documents.

^{*} Professy writes both Rhapta and Rhaptum, the Periplicalways Rhapta, plural-

1. The furvey commences from Myos Hormus', a port choicn by Prolemy Philadelphus for the convenience of commerce, in pre- House. ference to Arsinge or Suez, on account of the difficulty of navigating the weitern extremity of the gulph.

Moon

The name of this port thews its origin to be Greek: it fignifies the harbour of the Moule; an appellation which it afterwards changed for the harbour of Venus. But the former is the more prevalent, and the latter is recorded by Agathurchides only and his copyills. Its fituation is determined by three illands, which Agatharchides mentions; known to modern navigators by the name of the Jaffateens, and its latitude ' is fixed with little fluctuation in 27º 0' 0", by d'Anville, Bruce, and de la Rochette. The prefumption in favour of de la Rochette's accuracy is natural, as he had the charts and journals of feveral English navigators before him, and the polition of the illands' with the indenture of the coalt, is fuch as would fufficiently correspond with what the ancients called a port. Strabo deferibes the entrance as oblique', which was perhaps effected by the fite of the ifland at the entrance; and he notices that the thips which failed from Berenice lay at this port till their cargoes were prepared.

II. The same reason which induced Philadelphus to form the port of Myos Hormus, led him afterwards to the establishment of Berenice, Braxwiss',

De la Rochette has made two ports or the Myon Finemus and Aphrodites Horman of Strabo, but they are both the fame, if Strabo is to be interpreted by Agerbarchides, whom he copies; his trusflator indeed lays, Muris dutio aliague Veneria, limi the text does not require the diffiction. See Hardouin, un, ad lib. vi. Plin. cu. The Myor Horman of de la Rechette I flouid prefer for the true pulition.

² Prot. 27 15 0 . 27 8 0 . by de la Ro-

[&]quot; Hearleston II wirm spare Strains, rei. 7652. The Jaffatenia are more than three; but the finaller ones are perhaps little more than TOCAS STOYS WHEET.

^{*} American property the firster system couldness Strate thirt.

with this additional motive; that being in a lower part of the gulph, it facilitated the communication with the ocean, or the coast of Africa, and lay more convenient for taking advantage of the regular winds within the firaits, or the monfoons in the Indian ocean. The plans of Philadelphus, indeed, feem to have been larger than either he or his fucceifors carried into execution; he had evidently fent travellers to penetrate into the interior by land, while his fleet was exploring the coast. Pliny mentions the names of Dalion, Aristocreon, Bion and Bassis, as visitors of Ethiopia; and Simunides as reliding five years at Meroe; while Timosthenes' went down the coast as far, pethaps, as Madagascar, but certainly lower than the fleets of the Prolemies traded', or the Roman fleets in the age of the Periplus. The account of Agatharchides, who lived in the reign of Philometor, goes no lower on the western fide of the gulph than Ptolomais Theron; and in his time the commerce feems to generally to have fettled at Myos Hormus, that no mention of Berenice occurs in the whole work". Under the fuccessors of Philometor, this

. Plin. IIb. vi. c. . 150

the next

There is tome senden to helitate in giving stedie to Timouthenra, as he says the Red Sea is two days fail scroft and four sleys fall in length. Plin, life, el. Pour days (if it he unten error of Pliny's) caused by any treats faire for a course of nine hundred miles. See Error. Actem. Hunton, vol. i. p. 88.

This is fimiliar to what his happened relative to our own discoveries. So F. Drake explored the weltern road of America, to the north of California, where on cavigator followed him till almost zon years after, when the English, Ruffines, and Spanisola have interfered with each other in Nootha Soundto the fame manner allo the Cartinginian

commerce on the coast of Africa sented at Cerul, though Hamo bud gone much farther to the fouth.

* Neither does Dioddens notice it, who wrotes perhaps, early in the enign of Augustus, and followed Agatharchides. But Straho is diffuse; and he aids one particular which may account for the filence of Agatharchides, which is, as we have influenced, that Bergales, though a flatian, was im port. The historie was at Myos Harmuts and the fittps lay there till they came to Berenice for their lading. The Periphis also farms almost to join the two together, at the communication of the Arabims versue.

trade languished rather than increased, nor was it reinvigorated till the conquell of Egypt by Augustus.

The connexion between Myos Hormus and Berenice, from which ports the navigation commenced, requires more confideration than has been beltowed upon it by those who have preceded me in the inquity.

Berenioe, according to the Periplin, was diffant eighteen hundred fladia from Myos Hormus, which, if the author reckons ten fladia to the Roman mile, (as d'Anville imposés) amounts to one hundred and eighty; or if he reckons eight, we obtain two hundred and twenty-five miles, for the interval between the two ports; both ellimates are too thort, as the diffance from the northern Jaffateen to Ras-el-inf" is little lefs than two hundred and fixty miles Roman. Without infulling upon this, Rus-el-auf is the leading point to fix Berenice, for this is the Lepte Promontory of Prolemy, on which Berenice depends. " The land here," fays Bruce, " after running " in a direction nearly by W. and S. E. muss round in thope of a " large promontory, and changes its direction to N. E. and S. W. " and calls in a fmall hay or inlet." Now this agrees exactly with the polition alligned to Berenice by Strabo, in the very lumoft receive of his Simis Impurus. It may from extraordinary", that the name of Foul Bay " flould appear in our modern charts in this very fpor,

with the annual limit in parts a continue of the call, and breaking architects by 3'American will as 42 to R of the Section of 2 to 10 to Strate's regression, but the state of the family of the material but in the state of the state o swell of the her, cought, in my opinion; to do allow Stralin, life, wit p. 2004. permiss the muchion.

[&]quot; And again in resident himsepole by Jec. If I won the approximate of Tool flags on the will asset for fit following both large de la Reconne's alore. I construie in rolle a suit in the continue parts of the sectional selfmedica named mine its correspondence to Legisla Ford Alga, from the feedball, of

and marked with the thouls and breakers which entitled it to the fame appellation in the time of Strabo. But fuch is the fact, and de la Rochette's chart " gives us a fmall anchorage or inlet in the very bottom of the bay, which he flyles Mine, or Belled el-Habeth", the port of Abythnia. These circumstances are farther corroborated by the chart which Mercator extracts from Ptolemy, and by Prolemy's own diffances in longitude and latitude from Lepte. Col. Capper" has supposed that the fite of Beremee cannot be determined, and d'Anville has placed it nearer to Lepte; but in this, It is probable he was determined by the latitude of Syene, for both are supposed to be tropical, and Col. Capper has possibly not applied his superior information to this object. I fix it at the port of Habelh, not from latitude, but local relation. For Syene is in latitude 24° o' 45", and this port is in 23° 28' o", according to de la Rochette. If then we were to be determined by the tropick, the port of Habeth is more tropical than Syene. But the ancients were by no means accurate in these coincidences. Meroe and Prolemais are still less reconcileable than Berenice and Syene; and yet the respective correspondence of the four places was admitted. I am much more led by exifting circumstances than these estimates: a coast falling in, as described by the original voyagers, and a port found at the termination where it ought to be, tend more to afcertain a polition when ancient accounts are to be confidered, than aftronomical calculation. But I do not affert the identity, I know the difficulties, I know that the Topaz island of Strabo is

[&]quot;D'Asveille has the fasse, and Bruce the cafile. The principal Maniclak at Calro, is hay.

"Mine and Belled both figuify a fort as "Page 57.

dubious", but as a choice is necessary, I select the port of Habesh for Berenice, and I trust the solution of the problem to further inquiry.

Both from Myos Hormus and Berenice, the fleets failed for Africa and Arabia in the month of September; and for India in July"; dates which agree admirably with the regular winds, as flated by Bruce. For, in the first instance, if they cleared the gulph before November, they in that month fell in with the wind, which carried them down the coast of Africa, and which served them to return in May. And in their voyage to India, failing in July, if they cleared the gulph before the 1st of September", they had the monsoon for nearly three months to perform the voyage to the coast of Malabar, which was generally completed in forty days.

III. But before we enter upon our navigation we must examine the previous preparations in Egypt, commencing our inquiries from Alexandria, the head and centre of all the commerce between India and Europe for seventeen centuries".

There was a Sapphire, an Emerald, and a Topan iffand in the Red one; all three give rife to much fishe and much incertainty. Stralm's Topan idead is the fame as this Serpendine. Whether both manes ought to relate to the iffand at Ris el and, I cannot fay. That iffond is the Maconar of Bruce; the End or Emerald iffand of dg la Rochette, the Infain Venerie of Prolemy. Stralm's Topan iffand is lower than Bermice. It way he the modern Zemorgete, the Aguthoris Inf. of Prolemy, but the confusion is endleful.

[&]quot; See Periplas, p.p. 5, 13, 19, 12. The

nathor mentions the Egyptian as well as the Roman months Tyhl, January; Thoth, September; Epiphi, July. A proof that he was a refident to Egypt if and a native, and that he work for the traders in that country.

Of This is flared to a certainty by Plicy, who fays, they fulled at the riling of the Don-Star, July 26, 2nd renebed Okelia in thirty days, from whomes to Musicus the voyage is utually performed in facty days. Lan. vi.

[&]quot;* Eighteen, reclaiming from the death of Alexander.

The principal merchants, who carried on this commerce both under the Prolemies and the Romans, relided at Alexandria; and though the Prolemies, for their own interest, might allow others to employ their capital in this trade, and the Romans certainly would not fuffer themselves to be wholly excluded, fill the standing law of the country was, that every merchant must employ an Alexandrian factor for the transaction of his butiness; and this privilege alone, with the profits of the transport, is fufficient to account for the immense wealth of the metropolis", exclusive of all other advantages.

In the latter end of July the annual or Etelian wind commences, the influence of which extends from the Euxine Sea to Syend in Upper Egypt. Blowing from the north it is directly opposite to the course of the Nile, and prevailing for forty days while the river is at the height of its fwell, it affords an opportunity of advancing against the fiream, with more convenience than other rivers are navigated in their defeent. With the affidance of this wind, the pallage from Alexandria up to Coptus was performed in twelve days, which, as the distance is above four hundred miles", sufficiently proves the efficacy of the wind that carried them.

Two miles from Alexandria, fays Pliny, is Jaliopolis, where the navigation to Coptus commences; an expression not very latelligible without the affiliance of Strabo. For why should be mark the departure from Juliopolis rather than Alexandria? Strabo informs us, that the vessels navigated a canal, which extended from Alexa-

[&]quot;The revenue of Ahrandriz, in the "Three hundred and eighty, without alword of times, was expect takent equal to lowing for the finnelly of the river 2,421,8751, Berling Strab, with 798.

andria to the Canopic branch of the Nile, at the junction of which was Schedia; here all the duties were collected on goods which paffed operants into Egypt, or down the Nile to Alexandria. This canal " in its course almost touches Nicopolis", (a city so called from the victory obtained here by Augustus over the forces of Antony,) and which, by its diffusee of thirty stadia", must be the Juliopolis of Pliny. It is probable, therefore, that before the time of Pliny, the Custom-house had been removed from Schedia to this place.

It is then by the Cambpie branch, now almost neglected, that velicle passed up to Memphis, and thence to Coptus. Coptus was a city in the age of Strabo who visited it, common to the Araba", as well as the Egyptians; it was not actually on the Nile, but connected with it by a canal, and was the centre of communication between Egypt and the Red Sea, by a N. E. route to Myos Horrous, and a S. E. to Berenice. Upon reference to the map the reason of this is evident. The river bends here towards the east, and in proportion to its inclination thortens the distance of land carriage. Coptus is feated almost in the centre between Ghinne and Kona. Ghinne is the ancient Kæne", and is the modern point of

This could have thill water to be during the boundaries, and but to pall.

¹⁹ See Dian Caffine, iib. fit p. 2800 Lat.

^{*} Striller, Ilb. a Hill pi 198-

A The product processed of Egypt in divided between the Tesks, the Manusches, and the Anda. The Politic phones for reigns, have the leaft there. The Manusches have twenty four beyon comically dividing the whole country from the for to Sylvic, all-

parential at Caire, him sever complete as in the is number to the country, and the log chair induces with the Arabitoticks. The Bronze guarantized was few and imperfect, but cross under Abat, as appears from the parings of Strates, the Arabitotherm from the power at Capres, and, a several form the power at Capres, and, a several form the claim.

by its name evidently of Greek estration.

communication with Coleir "; the port on the Red Sea, where the little commerce which remains is carried on between Upper Egypt and Arabia. Kous arole in the middle ages from the same cause, and became the principal mart of the Said ". These three places all lie on the same curvature of the river, and all grew into importance at different periods, from the same cause; the necessary of conducting land carriage by the shortest road.

It has been already noticed, that notwithstanding Berenice was built by Philadelphus, the route of the caravan thither, and the port itself were little frequented, as long as the Ptolemies reigned in Egypt. The first mention I can find of it is in Strabo, and he visited the country after it was under the power of the Romans. The Romans saw what Philadelphus had designed, and they had the penetration, from their first entrance into the country, to reap the advantages which his successors had neglected. In the course of fix or seven years an hundred and twenty ships failed from this port for India in these, indeed, were but a small part of the whole.

²⁴ Irwin reckons one bundred and lifteen miles from Cofeir to the Nile, vol. i. p. 234 Erowa rode it on dromedaries in three days.

" IV Anville, Geog. Ann. vol. iii. p. \$3. "s It has everywhere been supposed, that fright flips did fail both to India and Africa by coulding, previous to the diferency of Hippoints it his everywhere been allowed that the Arabinus traded to India, and the Indiana to Arabia, and probably with a knowledge of the minimum. But this parlage of Strabn's filmeds alone in an evidence, that a fleet failed from Egypt directly to India. If it did tail, it such fill have couldn't the whole way, But might not Strake from knowing they brought home Indian commudities, have fugpoled that they failed to india, when in reality they west no further than Hadramunt in Arabin, or Molyllon on the coast of Armen; where they found the produce of India !-

I do not approve of contradicting the affectionof my intelligent author, fuch as Strabe; but I recommend it to the confideration of better judges, whether a circumitance of this magnisade saght to be attablifted on a lingle puffage. It is also to be noticed, that Arabia was fometimes called India by the ancients, not from error, but because it was on the other fide of the Red Sen, and became the commodities of India were found there. So Indorum promontorium in Julia, the fame as Lepte Acre is Ras al unf, wheree the trade to India commeuced. Lados John vocat Ælthiopus Troglodytta Hardonia, not ad Plin. vi. 34. but Hardouin is milluken, and probably Joba: It is the Indian Cape and Port, fo called from the Indian trade at Berenice. In what tente the neets finled from Egypt to India, will be confidered at large in the fourth book.

The bulk of the trade ftill palled by Coptus? to Myos Hormus, and continued in the fame course till the period in which the Periplus was written; this is the principal reason which induces me to believe that the Periplus is prior to Pliny, and assign it to the reign of Claudius, or Nero; for Pliny is the first that specifies the stages of the caravan, or gives us reason to believe that Berenice was the grand centre of commerce. That it was not so when the author of the Periplus wrote is evident, because he commences his route from Myos Hormus?, a proof that he considered it as the first port of departure.

Pliny on the contrary never mentions Myos Hormus in the paffage where he details the voyage to India ", nor does he notice it at all, except once incidentally, where he is describing the western coast of the Red Sea ". A proof that it was as subordinate in his time, as it had been pre-eminent before.

Every detail that is now extant, of the road from Coptus to Berenice, is Roman; as that of Pliny, the Itinerary of Antoninus, in the Peutingerian tables, and the anonymous geographer of Ravenna. There is no Greek account of it extant but Strabo's, and he vifited the country after the Romans were in possession. His information, therefore, is Roman'; it specifies particulars of which other Greeks were ignorant; but it falls short of what the Romans relate themselves. He mentions only that

Philadelphus

^{*} And and Kerri and Militage Technical and Agence of the other, Strab lib. will, p. 815 Set a very remarkable pollage in Prolemy, lib. 1. c. 7.

may have been comprehended in the mention Mala, of one or comprehended in the mention Mala.

doubt, as there are no rivumilances to afore-

¹¹ Lib. vi. c. 26.

⁷ Libi vi. c. 33.

⁴⁴ Lib. n. p. 755, in ed. Var. Pomp.

[&]quot; Lib wii p. 815.

Philadelphus opened this route with an army?, and that as it was without water, he established posts?, both for the convenience of those who travelled this way on business, and those who conveyed their goods on camels.

If it thould be thought that this is faid from any delire of amplifying the industry or penetration of the Romans, let it be observed, that Augustus reduced Egypt into a province, in the year 30 before the Christian era, and that in less than fix years Petronius had penetrated into Ethiopia, and reduced Candace queen of Meroe or Athara; that Elius Callus liad been fent into Arabia with the fame view of extending the knowledge and power of the Romans: and that the fleet failed from Berenice inflead of Myos Hormus These transactions Strabo relates as an eye-witness, for he accompanied Elius Gallus to Syene. And in the Interval between the conquelt of Egypt and the reign of Claudius, a period of 71 years, there is every reason to suppose, that a province so productive, and a commerce to advantageous, had never been neglected. But it was not till the discovery of the montoon, which we place in his reign, that all the advantages of Berenice would become obvious. This would by degrees draw the concourfe from Myos Hormus; it had not operated effentially in the age of Strabo; the change was beginning to be felt when the Periplus was written; it was fully effected in the time of Pliny.

"The read between Captus and Myos deep wells lind been link, and efficient formed or one the defeater more particularly. A for holding water, we in formations, though out that it was letter known. If was freen earely, came in that truet. Lib. cell, 812.

20 Zuchen er enhalt Directoria, Carrente-

The resil between Coptas and Myes Hormus he defectles more puriselledly. A proof that it was letter known. If was feven or sight days journey, feement performed on cample in the night by colors along a the framework carrying water with them. Littley very

The annexed table, compared with the map, will now flew all that is necessary to be known, better than narrative; and as it is obvious that the names are Groek, we must suppose that they are fuch as were first given, upon opening the communication by Prolemy, however unnoticed by the Greek writers; or that the Greeks of Egypt were employed by the Romans in forming the elliblidment. The mention of the Troglodytes agrees with their hillory, as it has been admirably illustrated by Bruce; they are the Shepherds fo much noticed in the early history of Egypt, who every year conduct their flocks and herds from the plains of Ethiopia, across the mountains of the Red Sea, to avoid the fly, that feourge of their profession. They have done this in all ages; they do it to the prefent hour; their habitation is confequently temporary, and if they found caves " or hollows in the rocks, these they would occupy, as their name implies. Tribes of this kind also are naturally plunderers, and the guard necessary to defend the carayan in paffing their country, is correspondent to the circumflances of their profession and fituation. If we add to this the passage of the mountains, evidently marked in Pliny, we have all the particulars that Bruce enumerates; and an evidence of that range, which he has depicted as extending parallel to the coaft, from the fea of Sucz to the main of Africa. Below this range there feems to be a level towards the fea like the Tehama of Arabia, and the Ghermelir on the Gulph of Perlia; and I conjecture that

Brace found-Tougholy to a duality foling. Upper Egypt, and the been pulling at founds exert in Copies for their stress in must.

Tifebarike", the name which the Periplus gives to the tract in the neighbourhood of Berenice, expresses this very level, and corresponds with the Tehama of Arabia.

I have already noticed that Berenice lies nearly in latitude 24, and have now only to add, that by the concurrent tellimony of the Periples and Strabo, the anchorage was a bay and a road, but not an harbour.

W Teez-n-bareek in faid by Capt. Francklia, author of a Tour in Perlia, to be fill a familiar phrase in the Perfick for there and this, It will also bear the fease of how and far, and in that lease he supposes it applied to the low country on this coaff. Mr. Jones interprets Burcek in the lane runner on the count of Perfin, to Geriras at Bareck, the Low Ithans-Stackins reads, I'v Append, for Taralegue. See Stackins and Hudton, Goog, Min. Peripl. p. r.

THE PARTY OF THE P

STATIONS

BRYWEIN COPTUS" AND BENERICE.

(N. B. the Numbers are recomind by the Commentators.)

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- 14	Mym‡ms, te Dydieima.	XXXII	75	XXII	Planada.	EKH	-	Xtii	Permonisional Disabelley used	XXVII.	#2
- III.					Aphrolitra (XIII-).	XXIV	H		Didyon [Select].	XXIV.	44.
111.	do minte, a day's journy.	XXXII	54		Didymai	XX	20		Affective [1] of Applies little # March	XX	20
17.	Hydrium, 64 mills from Coprus.	XXX	31		Company [ya Hilité lims Coptus].	XXV	13	307	Conyelle	XXIII	33.
V.					Dies [Gris]	XXII	23		Jew Danesi	xxm	71
VL	la monte, a day's Journey.	XLIV	36		Keenn [without *save]	XXIV.	¥4.		Address (Kom)	XXV.	15
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.vm.	Hydrium Apethile, elle miller from Copter-	XLV	4.5		Apalones [Cour,] [164 miles from Copers].	XXIV	=4		Apallano, [Cipe-]	XXIII	41
IX.	la miere, a day's journey.	XXV.	:55		California	XXVII	30		Chall (Column d'Anville)-	MANAGE	47
X.	Rosum Hydriam, 234 miles from Coptus.	XXV.	71	CXXX.	Kenn Kamana, [tasis '72 spec.] [81]	XXIV.	24		Karini Dilimim [4mi-Yippa].	XXVII	47
30.	Prophely, we Hydrians, a guard,	IV.	4	VD					STATE OF THE PARTY OF		
XII.	Corner, 152 mily ben Copress	KX.	00		Permition purum [Bermini parum]	XXI	*		(Barristina	XVIII	
			148				NES.				1 651

REMARKS.

Play a Lawring of the name is now distinct, torcive to the minimum of the complete of the comp Age or comployed in this journey, and the action moore chartly in the object. Then his there will desprise four days journey; this was west out their a markle the full trength to be three; the Pentinger and the Homesey made shows they come, and, pertings, one argin to the out the all at Physicials ; and this quant was possibly to exact the cuttoms,

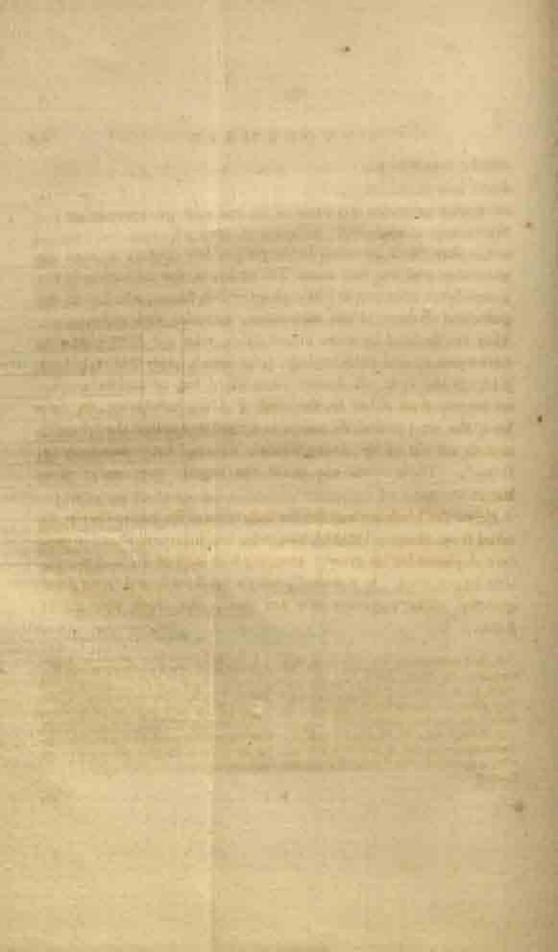
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N. S. The whole office, whereas the augignations between hundred, is made adjusted, so much by Addention, p. 1884. The summation prographes of Married published in the You, estimate

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FROM BERENÍCE TO PTOLEMÁIS THÊRÔN OR EPTTHERAS.

IV. Source of Berenice, in the tract of low country between the mountains and the fea, called Tifebarike, is the habitation of the Troglodytes, effected as Ichhyophagi or Fish Eaters, who live in the clefts and caverns of the mountains, disperied and independent. They are inclosed by more inland tribes, who are diffinguished as Akridophagi to and Moskhophagi, titles which imply that their food is locusts and veal. A strange peculiarity! but as locusts are no uncommon food either on the coast of Africa or Arabia, so, perhaps, the latter diffinction intimates a tribe that fed on the brinde ", or fieth cut out of the living animal, so graphically described by Bruce". These tribes are under the regular government of a king,

Below the Mofkhophagi lies the little town of Ptolemais Theron, for called from Ptolemy Philadelphus, who fent his hunters here to procure elephants for his army. Here the true shell of the land tortoise is to be procured. It is white", with a fmall shell, and in no great quantity. The elephants also are small, like those obtained at Aduli.

^{**} By a comparative size of their in Agathurchides, the lite we found allot us them would be in Nuina or Semanar, or between these places and the amunicans which line the could.

A Perhaps the tide of Equations which Strains confers on this or force anightouring tribe, is equivalent. See Aguthurchilles p. 40-Hudfon.

^{**} A passage follows which is imperfect. It forms to describe another tribe still more inland, and went of the Mosthophage. Compare with Agatherchilds, p. 56, or for.

^{**} Arm's property for any confidence by Highler, Cardislan minorities with practical Sec also Perips ps 17, where this interpretation is confirmed.

This place has no port, and is approachable only by boats. It lies about four thousand stadia from [the harbour which is established for the reception of such articles of commerce as are brought from beyond the straits", that is from Berenice. This distance agrees with Ras Ahehaz, or Agech, where d'Anville places it, if we reakon the stadia, as he does, ten to a mile. The cape is hid down in latitude 18° 20', by d'Anville; 18° 31', by de la Rochette; 18° 10', by Bruce.

If this be true, the ancient geographers must be greatly mistaken, who place it under the fame parallel with Merce, to which they affign 16° 25'. This parallel is of great importance: it was traced by Eratofthenes to whom we owe the doctrine of parallels. And it is assumed by Ptolemy as a diffinguished line both in regard to Syene, and to the parallel of Praium, which was the boundary of his knowledge, and which he lays down as many degrees to the fouth, as Merce is to the north of the equator.

If then we could fix the polition of Ptolemais by reference to the parallel of Meroe, it would give conlistency to the Peziplins, in a paffage where the measures are more difficult to reconcile than in any other part of the work, for according to de la Rochette

Mineh-Beled-el-Hbesh, or Berenice, is in lat. 23° 16' 30" 18" 31" 0" Ras Abeliaz, or Ptolemais 15" 46" 0" Mafus, or Aduli

40 harrow our wiper will abstract to, different a. principin from. Hudfon. Which must be true in my frafe, for whether the beginning of the gulph he taken from the Braits, as Sore, this different cannot be reconciled. We preffine, Large for To rice, mirigas vie regar, before muntioned.

&c which latinates generally my commodities brought from bryond the firefts, but in the Periplus confiantly the commodities of the Mofvillitick couff, or kingdom of Autolg and Hudden doubtlels meme, or from the fer of the port mabilified for the importation or receptan (=====) of thrie commodities take had frequent occasion to notice the ex- can be only Berenice, the port immuliately

which gives the diffance from Berenice to Ptolemáis three hundred and fifty-four Roman miles, and from Ptolemais to Aduli two hundred and twenty-five; making a deficiency upon the measures of the Periplus of one hundred and twenty-one out of five hundred and feventy-nine, if we reckon ten fladia to the mile Roman. The diffances are, four thousand studia from Berenice to Ptolemais, and three thousand from Ptolemais to Aduli. It is this deficiency which has induced Mr. Golfelin" to carry the Aduli of the Periplus to Allab, or Saba, contrary to the opinion of all former geographers, and contrary to the local circumflances of Adult, so strongly marked by our author.

The removal of Adelli from Mafina to Saba, and of Ptolemais from Ras Abehaz in 18" 31' o" to 16' 58' o", are therefore mutually connected in Mr. Goffeiin's fystem; and as this brings Ptolemais within thirty-two minutes of the parallel of Meroe, the whole would be reconcilcable if we could make the meatures of the Periplus accord; but this is impossible"; and here Mr. Gosselin is led into a great error, the cause of which I do not reasily discover; for he fays, that the Periplus reckons from Aduli to the Straits of Bah-el-Mandeh eight hundred fladia. This is another miffake; for the Periplus marks the termination of these stadia at a very deep hay where the Opsian

returned from the profe for correlling, that I to served, by favour of Mayor Onfiles, Mr. Gef Antices published in cont reference of Person in at that the resulted Regulard. However we proved tallish I had taken. after so the while of the Propolity I was house as find we arrest upon the federal of the nitrome et feet. moving alien of Africa, and I have recompliced this

[&]quot; It was at the second that this first was social of Postania in order to admit to the prints on which we differ. In regard to the remarks of my words it was finally arranged and fittled, plints minds. Rederiche for in Grapopher are and I can may entire our different to a man effected on fine partials aregione. I have \$7005 and of which only a very few report had planted on realise atom the which to allegia the

^{*} See Cleffelie, Rectionches, rate. in p. 198.

flone is found", and from that bay mentious expressly the commencement of the inclination which the coast takes to the call ", and which is continues till it joins the firsts: all this is true, if Adult is fixed at Mafus, and false, if it is carried to Saba, or Affab. The Periplus, therefore, its conditiont in its defeription, and inconfiltent in its measures; and to which of the two the preference ought to be given, will hardly be difputed by those who know the little certainty of all numbers in a Greek manufeript, and how much all printed texts are corrected by circumflances before they can be made confistent.

The real polition, therefore, of Ptolemais Theren cannot be determined from these data; but if we relinquish the measures of the Periplis, and fearch for it by the parallel of Meroe, we meet with many curious particulars to compensate for the digression, and furnish means for the reader to determine for himfelf.

Meroc, as the first parallel of Eratosthenes, became an object of the greatest importance to all the geographers and astronomers who faceceded; and if there is any one point more than another upon which we can suppose them to have fearched for accuracy or acquired it, it is this. Ptolemy places it in 16" 24 of; or, as it appears in his tables", 16' 25 o'; but in his eighth book, he fays, the

dividice into feconds; but if Meron were in latitude 16" a4" o", the line would be drawn through 16' 25' D". This twelfith is expressed in the different copies of Projerry to or w. or We mid it is supposed to be see and row, that is ecolor or one swelfth. But the commentators and editors are not agreed upon the fufficient; they have therefore no more minute form of writing or manner of explication, though

as Peript p. III.

at Ball p. t.

[&]quot;The tree francis er, y . . which the Latin mult 15 16 0", but it it 16 \$=20" 10=5. that is, 10" 15 of . The mount geographers thought, if they approached presifing within nor twelfth of a degree, or five minutes, it was

the longest day at Meroè is thirteen hours, (which makes the latitude 10' 24's) and the sun is vertical twice a year, when he is distant (both upon his approach to the tropic and his return,) 45' 20' 0", from the folfitial point. This statement of forty-five degrees must be older than Prolemy; for Pliny mentions that the sun is vertical at Meroè forty-five days before, and forty-five days after the folflice, in which he seems to follow Philo", and then adds, that on these two days the sun is in the eighteenth degree of Taurus, and the four-teenth of Leo.

Now in this passage there are two errors; for first, forty-five degrees are not the same as forty-five days, as there are three hundred and fixty-five days in a year, instead of three hundred and fixty, which there ought to be, to make the two agree; and secondly, the place of the sun is mistated, both upon his approach and his return, for by a calculation of Mr. Wales's, with which he savoured me a few days before his death, it appears,

"That the fun, at this time, is in the eighteenth degree of "Taurus, forty-four days before the folitice, which would give " 17" 13" N. for the latitude of Meroe. And in the fourteenth

is for Bruce, val. iv. p. 540, and Straho, lib in p. 77, where mention is under of Philo-who. Wrote an account of the actionism into Ethiopia. [by the Nile.] and who mentions the certical for at Merce facts five the foramer fulfilles. He is anneed as

semarking the fladows of the Gnomms, and agreeing with Eratellheims. Some allthough of this tore Play and have followed, as Problems was full later.

Play is represented aspettly by Salmadas.
Plin Ex. 422, as toping that the law is own sized for many three at Mreek. It will appear infilialisedly from the flatement of are to anchor on fuch affection; and the militale of flatement is reprehended by Volface and Handmin. See Volface and Melans of Volface, p. 482. Hard Plin Illa it to 75 not 170.

" of Leo, forty-fix days after the folltice, which gives 16" " 36 N.

" Or again ", if we take the other flatement of Pliny, forty-five " days before the folitice, the fun is in the fevesteenth degree of " Taurus, which makes the latitude 16" 57 N. and forty-five days " after the folflice, the firm is in the thirteenth of Leo, which " gives 16" 52 N."

Since the communication of this flatement, calculated only for the place of the fun at the prefent day, the bishop of Rocheller has added to the many former kindnesses I have experienced from his friendship, and derived from his comprehensive view of the science, the following particulars:

- " Nothing is afformed by Prolemy but what is firstly true, that at " equal diffances from the folditial point, on one fide and the other, " the fun has equal declination. He gives us in this paffage two " diffinct principles for determining the latitude of Merce; the " length of the longest day, and the distance of the fan from the " folfittial point, when he culminates in the zenith of the place-" The two principles agree fufficiently in the refult, and the latitude " which they give agrees with the latitude of Merod, as deduced " from other principles, and flated in other parts of Ptolemy's " works.
- " The diffance of the fun from the folfitial point, when he cul-" minated in the zenith of Meroe, he tells us was 45° 20'. The

To life. Waies I was known only by the and met without a tribute of gratifule to the memory of a man, who was no excellent in priente life, = an hullhad and a father, in he excelling every affill me that it was in his was eminent in the fewere he professed, the

" obliquity

countely of lierrature; but luch was his love of icones, that I moves confulted him without person to give. I infert this as his last factors, friend and companion of the illustrated Conk.

obliquity of the ecliptick at that feafon of the year, in the year of sur Lord one hundred, was 23° 40° 50°; the fun's declination, therefore, at the diffiance of 43° 20° from the funmer folfittial point would be 16° 24′ 3″ N. and so much was the latitude of Meroë;
for when the sun is vertical at any place, the declination of the sun and the latitude of the place must be exactly equal.

"But he tells us also, that the length of the longest day at Meroè
was thirteen hours; and I find by calculation, that in this latitude
of 16" 24' 3", the longest day must be exactly twelve hours fiftyinne minutes and twenty feconds, wanting only forty feconds of
thirteen hours.

"Again, allowing thirteen hours for the length of the longest day, I find the latitude exactly corresponding to be 16° 34' 27".

But this confirms the conclusion from the former principles, notwithstanding the excess of 10' 24"; because the phanomenon of a longest day of thirteen hours would certainly take place in a somewhat lower latitude, the day being lengthened, in all latitudes, several minutes, by the double effect of the horisontal refraction."

Having thus established the latitude of Meroè upon Ptolemy's principles, it will not be foreign to our purpose if we examine the measures in Strabo, according to the estimate of Eratosthenes; for notwithstanding all measures of this fort are precarious, still, when they come within a few minutes of coincidence, the approximation is more satisfactory than the disagreement offensive. The account stands thus:

The parallel through the	Claumin country, which was	the fall possible of	Seeding
	is multised the squater	4 15	5800
The fame product it sund		2 2	\$000
Thumbere Merce is north	of the equator	5. 3	11,800
	20		Now

Now Eratolthenes" reckoned feven hundred findia to a degree; and if we divide eleven thousand eight hundred by seven hundred, it gives for the latitude of Meroe 16' 51' 34", differing from Ptolemy only 27' 34", which is an approximation the more remarkable as Ptolemy reckens five hundred fladia to a degree, and Bratofthenes seven hundred; and this circumstance may give tile to a conjecture, that Strabo had a map of Eratofthenes before him, and measured off these degrees from the parallels of that geographer, by the compasses, as we should do at the present hour".

But we have another coincidence between the measures of Pliny and the observations, which is equally remarkable; for Pliny has preserved the report of two Roman centurions sent into Ethiopia by Nero, who reckoned eight hundred and seventy-three miles from Syene to the confluence of the Nile and Astaboras, and seventy from the confluence to Meroe . The former number we must exhaust by supposing that the centurions followed the winding of the river, which Pliny specifies; and upon the latter, where the distance is so small, there can be no material error; seventy Roman

1. La par la speciere Chargo sparant des en Alpero en più anche, fena lermanita codin income chi papatro. Strate Mr. Il parega

by Hallis, carried on to Sydnis, and reckoning that place five thomised fladie north of Merce places at in intitude 24 o o', which three faces by expected differentials in 24 o 25 esch file the sixer in their progress to Maraki and he mile, that these me very different from the names given by the Greeks, when Pishing Philadelphia feet into the laws a mater, and much severa thin deschalation, he observes was not consider by the Romain, but by the previous was between the Egyptims and Echlopians. But as he mentions likewise, the rise of the file from Sycho to Marak, were not Ethiopians but Arabis, may we not constant, that the coule of deschalation was importable to them in this age with a st preferal? See Bruce, etc. 250, et see,

In these numbers very in the copies to eight tunndeed and ninety-two, and nine hundred and twenty eight, but with this difference we see not concerned at prefent. Bruce recisions against them to entrying Meroe to Gojam I but if mentared by the eight, which it remarkably tormoun in this part of its courie, the numbers are not too high.

miles then approach within five of a degree, which, as we have no ancient map to guide us, we may try by the scale of Bruce. Bruce had good instruments, and had been long practised in observation; but he was struggling for his life, and his observations must have been hasty: still as we have no better, and no traveller is soon likely to correct his errors if he is mistaken, we are entitled to use his statement till a better can be obtained. He sixes

Herbagi in 15" 35" 0" Long from Greenwe 32" 49" 15" .

Geri 15" 35" 35" Long from Greenwe 32" 49" 15" .

Charles 40" 30" 35" Long 53" 24" 45" -

Fifteen miles N. of the junction at Gonz.
that is, the confinemes of the Nile and \$17" \$7" an" in.
Allahores

In confequence of these observations Bruce places Meroè at Gerri, or very near it, as corresponding best with Ptolemy. And for the same reason he might have preserved Chendi, which differs but five minutes more. A queen reigning there, and the title of Hendaque, suggested to him the name of Candüce, and the queen of Meroè. But he had reason afterwards to conjecture that he found the remains of Meroè at a village called Gibbainy, for here he discovered ruins" which were evidently Egyptian or Ethiopick, and such as he had seen no where from the time he left Axum. He likewise found an island in the Nile called Kurgos by the natives: and such an illand, which served for a port to Meroè, Pliny mentions by the name of Tadu". These circumstances are so connected, that if it

We

the property of the first and ability, hierarchyclicks. The Arch mentioned flore, made for ferred flowering form and flower of sen and animals, all of lattice taggings. Hence, and on p. \$\$7.

The Validation of the flower podestalls described the falls, [1] a book above the community illustrated for the flower podestalls described at the p. \$\$7.

The Arch mentioned flower in the flower of the flower podestalls described at the property of the flower in the property of the property o

were not carrying the latitude too far north, we might prefer his conjecture to his polition of Meroe. There is yet another fact fills more appropriate; for if his observations are accurate, and he has placed the confluence of the two rivers exact, the diffance from the confluence to Gibbainy measures upon his map as precifely fifty minutes as possible; an approach to near to the feventy Roman miles of Pliny", that no greater accuracy can be required. It is true that this correspondence will depend on the correctness of Bruce's observations; but if they are faulty, who shall be the traveller to correct them? It is true also, that Bruce's latitude of Gibbainy is 17° 4' o', which is forty minutes to the north of Ptolemy's polition, a difference, perhaps, not too great to counteract the evidence derived from the island in the Nile, if there be none in a higher part of the river to correspond. And now, if it thould ever be the lot of a future traveller to tread this arid foil again, at this point his fearch for Merce should commence; and if no ruins were found farther to the

aliam infulant Padu derrito fubruntibus alveo l'i. c. Nilo] que portum fuerret. L. Aidificia oppidi panes. H. Regnare furnisam Candacen quod nomen munio jam amis ad regima transitt. Delubrum Hammonia et thi farram. 111. Es toto tradite facella. Plin, lib. vi.

Befoles the systemes this pullage gives for an obsed at Merce, it contains forms features common to Ethiopia, Nobia, and Abyffinia. It Relificia oppidi punes, is a circumfiance as applicable to Goodar and Seminar now, as to Merce I marrly. IL Candace is the name of the queen fabriced by Petronias. And a Candace form the mans of Hendaque fill existing. III. Toto reacts feedla. In Abyffinia the churches fleed to thick, that the freesee could be

heard from one to the other, as a noticed by the Jefnits and confirmed by Brace. In these respects, therefore, the manners of all chese ustions appear similar. Plany notices, in another pullages, that they had forty-five kings as firing characteristics, of Abytimia, perhaps, either than Meron. The tample of Hammon, Strano informs on, but here neglected by the Romans, and the superfixion despited. In his age, therefore, the Oalis itself of Hammon had fallen to divery. It might full, however, preserve its reputation among the Mirroiros. See Strabo, lib. xvi. p. 813. Meroe is called Nucleable, the mother of ports, by the Egyptimes; Nauba, by the natives 1 and Saba, by the Abytimians. Marmol, vol. is p. 45.

At Beventy-five to a dogree.

fouth,

fouth, he might greet Bruce as the discoverer of Meroe, an honour which, perhaps, would be less disputed than his pretentions to the first discovery of the fources of the Nile. We ought not to be ungrateful to those who explore the defert for our information: Bruce may have offended from the warmth of his temper, he may have been milled by afpiring to knowledge and to science which he had not fufficiently examined; but his work throughout bears the internal evidence of veracity, in all inflances where he was not deceived himfelf, and his observations were the hell that a man furnished with such instruments as he had, and struggling for life, could obtain; they therefore deserve respect; and if we should be disposed to adopt his conjecture, rather than his polition, from the circumflances before us, the extreme difference between him and the ancient altronomers is 16' 24' o', and 17' 4' o'', a dilagreement, perhaps, lefs allowable in this inflance than most others, but still excutable, from the imperfection of all ancient observations depending on the shadow of the Gnomon, and the length of the day, and those of Ptolemy more especially.

If by flating these particulars relative to the latitude of Meroe, we could have obtained the position of Prolemais, we should not have to ask the reader's pardon for the digression; but all that we pretend to deduce from it is, that Prolemais cannot be fixed at Ras Abehaz, or Ageeg, where it is placed by d'Anville and Bruce. The Shumeta, or Nubian Forest, which was the resort of the elephants, when Prolemy built the city, and continues so to the present hour, is supposed to commence in the neighbourhood of that Cape, in latitude 18° 31° 0°, which disagrees more than two degrees with Prolemy, and nearly one and an half with the conjecture of Bruce. If we descend

the coast a degree and a half, we arrive at a hay in the middle of the Nubian forest, the lower point of which is nearly in latitude 17° 6° of; a correspondence with Bruce's conjectural parallel of Meroe, so near as to be fatisfactory. On a projecting point of this fort Ptolemáis was built by Bunnedea'', and secured from the natives by a fols carried round the angle from sea to sea; and if this situation should appear reasonable, from the deductions we have been so desirous to state, a better spot for procuring elephants cannot be chosen.

There is not a wish to conceal the uncertainty of this conclusion: the coast is little visited by any European velicis, and the charts of our best Hydrographers are therefore less to be depended on: Strabo's account agrees better with the measures of the Periplus, and the assumption of d'Anville at Ras Ahehaz. If the distance in the Periplus from thence to Aduli had been equally consistent, it would have been conclusive; but the whole is now determined by the parallel of Meroè, which the ancients earry through Ptolemais, and we cannot well attribute to them an error of two degrees, on a point bester established than almost any other whatsoever.

Mr. Goffelin carries it still lower, but without a cape, or any circumstance to mark the spot. And it is to be remarked, that he is so attached to his own estimates, for correcting the latitudes of Ptolemy and the other ancient geographers, that he pays little respect to local circumstances and the characteristick features of the coast. As I cannot dispute this matter on every point where we differ, I shall observe here, that his want of attention to the text appears no where more conspicuous than at Aduli and Arômata, two places

which the Periplia marks with diffinctions that cannot be millaken, and which Mr. Goffelin transforms or displaces with great violence. The confequence is, that he is obliged to have two Adulis, for which there can be no warrant either in hillory or geography.

With whatever errors my arrangement of the coast may be chargeable, I trust it will only affect individual positions; the general outline I am persuaded is true. I submit it, indeed, with less confidence to the public since I have perused the Researches of Mr. Gossella. But I shall not relinquish the ground I have taken in a single instance. I trust to the investigation which I have patiently pursued under every difficulty, and I leave the insue to the judgment of those who are competent to decide.

It is necessary now to observe, that the hunting of elephants established at Ptolemais is confirmed by Agatharchides, Diodórus, Strabo, and other authors. The manner of hamslringing these animals was an art as perfectly understood by the ancient barbarians", as by Bruce's Agageers; and the resist " for the flesh of the elephant is an indelible characteristick of the nation. Ptolemy would have redeemed the life of the animal at any price, as he wanted elephants for his army; but he met with a refusal from the native hunters, who declared they would not forego the luxury of their repair for all the wealth of Egypt".

Sec Studio, Ch. 200, p. 572. Diidio.

[&]quot;They business it, according to Bruce; Abythnia or that is, out it into this dripes and dry a in the Son A the fan. - They out it from the living animal, Guege Min-

according to Agathembides and fittable. A circumstruct for purples that it can below to Abelluis or this could only.

⁴⁸ Sor Apulauthidas, p. 14. Hadion, Guego Min.

ADOULL

V. FROM Ptolemiis, the next port we are conducted to by the Periphus is Aduli, at the diffrance of about three thousand stadia; a space by no means agreeable to the difference between Ras Ageeg and this place", as little more than two degrees of latitude intervene, which produce short of an hundred and forty miles, where we ought to find three hundred. This we are informed was a regular and established port ", and it can be no other than the celebrated harbour and bay of Masuah, so well known by the accounts of the Jesuits and of Bruce, as the only proper entrance into Abyssimia.

It is not my intention to enter farther into the detail of this country, fo extraordinary and now fo well known, than I am led by the classical authorities before me; but they are so numerous, and so consistent with modern accounts, that to neglect them

altogether would be reprehensible.

The Bay of Mafuah or Aduli has an extent of fix miles, and is" open to the north east". It contains two islands, upon one of which the town of Mafuah stands, and which, from its vicinity to the main, must be that of Diodorus, as it is called in the Periphus; so near, says the

60 145" \$5" 5". Beure, Ill. p. 31.

bruce, m. p. 63.

occur in the Periphia, and it is impossible that a fourth-west could should fir open to the fourth-west, purhaps, and airle to know, "as you fall as direct your market to the fourth." This island is to called from Diodórus a former us-vigatur, as we may toppose, and perhaps the Diodórus Samins mentioned by Prolemy, lib. i. c. 7.

in contradiffication to Protessia and Berenice, which were not ports mu roads.

of to the Periphta, and the no Now, which of proceedity we mail resides According Natural and the lefter, a dextel. I know not that the range is justifiable, but other inflances will

author, that the fea was fordable ". And the natives took advantage of this to artack the thips at their moorings. For this reason the merchants had afterwards preferred anchorage at another island, called Orine, or the Rock, at twenty miles diffance from the coaff ", which answers to the Dahalac of Bruce, or one of its dependencies". The two islands in the bay are called Sheik Sede and Toualhout, and for the former, which is a title manifestly derived from a Sheik's tomb. De la Rochette has found the name of Duli ", still bearing a refemblance to the ancient Aduli.

At twenty stadia from the shore, and opposite to Orine lay Aduli, which was a village of no great extent; and three days' journey inland was Koloë", the first market where ivory could be procured". Five days' journey from Koloe lay Axuma, where all the

** The two illands of Shelk Sede and Tonalhout are nearly one at low-water, they may have been bined formerly. Bruce, in p. 5th.

at Two hundred flutia. Dalmine stielf is about thirty tailer diffant, but many of the iffends dependent on it are within twenty-

19 Dalmlac, according to Bruce, voi. i. p. acc, is a low flat mocky illand, without water, but furnished with tanks of extraordinary magnitude and fireflure, for the preferention of the rain water, which falls shundantly at sertale featons. Their works are now in ruins, but Bruce Supposes them to be she works of the Prolemins, in the eigour of the Egyptian trude. They may be Sabean, for Dahal, or Del, Brace informs us, uguilles un itland, in Amhick; and both this Dahal ac and musther Drl-sque in the Bay of Zella, may have been lifes where the Sahitana promitted water. I erfor this to the inquiry of Chientalilla.

In fixing upon Dahalan for Chine, I am Brook, so the third day, many ot,

guided by the two hundred fladia of the Periplus, and supported by d'Anville. But Orind figuites seattless rather than racky. And Column mentions and patter No. Column is high authority, he was at Addil himfelf; and the mention of the illands Alsiaion in the Periplits, evidently the dependences of Dahalac, if not Dalmine itself, leaves little doubt on the allorment of Orise. See d'Anville, Geog. Anc. tom iil. p. 60.

30 Bruce met with a Mahomet Addial at Maforky vol. like p. rr. which feems to hisply that the memorial of Acids at not loft.

In Tigre, the province of which Sire is a part, the market is full on the fame footing. The hell flavor, the purell gold, the largell tooth of every must all just through the bands of the governous of this province. Broom, lil. p. 2541

7" The ciaphant's track was first from by

ivory was collected which was brought from the other fide of the Nile, through the province called Kuenion, and thence by Axuma to Adulf. These diffrances answer exactly to place Kolee on the mountains", which commence at the back of the fands; and eight days' journey to Axuma is a just allowance for about an hundred and twenty miles", which is its diffance from the fee. The province of Kucmon is manifelly Sire, which receives its name from the Dog Star, under the influence of which the mists prevail that are to inundate Egypt, and Siris is fynonimous to Kuenion in the language of the country. Few elephants or rhinocerofes are feen on the coast or in the neighbourhood of Aduli. The mais of them which supply the trade are all killed in the interior.

The fovereign of this coult, from above Berenice to down the whole tract of Barbaria, is Zofkales, he is very superior to the other princes in the neighbourhood. Civilized in his manners, respectable in his conduct, liberal and honourable in his dealings, and infiructed in the knowledge of the Greek language.

The province affigued to this fovereign corresponds precifely with the territory affigned to the Bahr-nagash, or king of the coast, under

on Tursons little ridge that divides the fea- and Ballettons. few, on the call sainy from Orleion to April. on the erest claudy, rainy, and cold from May to October. Bruce, in p. 65-

He Estreen wiles a day is not those correlling in fach a country on Bruce defection. Nonnotes makes a fifteen from Adule. See Photime in Normale,

it Kall, Contents Seir; a dog in the lime guage of the Tregledyten. Buce, is p. 379-See Dioryton Freing, where it appears that as Dronyfins, or his examinations. Lim see, negue, for the bing of Alysfinla.

W Having above ventured to for Bereuled at Belied-ci-Finboli, the port of Abyffinh , it is fame fort of confirmation to final, that Bergnice is minutely included in the government of Zealander, who is, to all appearance, the Balleragellt or his age, that is, the king or government of the couff, a title fifth perfection more libit anding the Turks are made of the perts. See Bruce, pullin, Balir Sea, Nagalk king or governor. Where the calthis account of the Dog Streets as ald, at least, question of the segue for governous, the great the empire of Abyffinia; and the manners attributed to him are confiftent with that pre-eminence which the Abyllinians in all ages from to have preferred over the harbarous tribes by which they nce furganided.

How it has happened that a nation neither Nigritian or Ethiopick fliould be fettled in this part of Africa, diffinguithed from all around them, as much formerly by their manuers, as they now are by their religion, is a problem that has divided the opinion of all who have vilited the country.

That they are not of Fiehrew origin appears evident, notwithflanding their own pretention and the arguments of Bruce; because, in the first place, the Jews among them continued a distinct tribe; and in the next, their language is written from the left hand to the right". Paolino, a miffionary on the coast of Malabar, afferts, that though the character is different, the principle, genius, and conflitution of their language is Shantkreet". A queltion well worthy of examination by those who are qualified to pursue it. But as far as a private judgment is of weight, I must confess, that the account of Herodotus has always appeared to me the moft rational; that they are a nation of fugitives from Egypt. Strabe, in copying this opinion, has added, that the appellation? they give

Bahni is healthy d'Austin and Bruce happofed to be Kus Allin milate Affab, or lat 120 %. If this he allowed, is accords infinitely with Abyffinia i because so forabe goes inland he 24 I think I am fix the fire of the Scholar revers to Month, which proves that his detail to politivity as to identify them with the outle could and in the interior, do not quite Abelinians; the place offigued to them by keep pace together. A his drawnfrom Affab Stasho is Tenefit, inlimit from Salati; and to Meroe would almost touch Assume, and

[&]quot; Bee Butler's Horn Biblion, porten.

I A speculation well worthy the levelligation of Lt. Williams, and committing with his fyllem.

give themselves is Sebritæ"; a term which signifies Advenæ", the more remarkable, as Bruce observes, that the original title by which they are distinguished in their own history and language, is that of Habesh", or Convenæ. It is impessible to suppose, that the assisting of these two words is accidental.

The Hight of these exiles is fixed by Herodotus in the reign of Psammetichus", 630 years before Christ, and only 185 years before the date of his own history; he mentions that they went to as great a distance" beyond Merod", as Merod is from Elephantine, to the number of two hundred and forty thousand; and that the name by which they were distinguished as a pation was Asmack", or Askham; an appellation which Reisk" and other Orientalists have supposed to allude to Axum, the Axuma or Axoma first mentioned expressly

met Abyffinia in the centre. I with a reference to be made to the whole pallage in Strabohis avi. p. 770, where among much obferrity. much truth may be discovered. And where I fhould think that Sukho is Suakem, but that Strabo fays it is inland. It is in reality a town on an illand in a bay, the approach to which is by a narrow channel like a river. See de la Rothette's map of the Red Sea. See also the learned Larcher's notes eighty and eighty-three, an this poffage of Haradatus, with his citations from Platurch de Exilio, p. 601, and from Diedorus, Illa i. p. 77. A pallage occurs here in Dinderus, which I ought not to have unnited at the canclusion of the first book, to prove the commerce of the Greeks in the posts of Egypt. Tempinger supidem Surie with ton qualque, palvaga & wire Chinese and Extense ibid.

the government of the queen of Meroe, p. 771.

Sewhich though, perhaps not true, differentiale posts.

connexion, or the finilarity of government.

44 Ptolemy has the name of Sharide perhaps the fame, in the Greek test Scharide;

** Brace, vol. i. p. 379-

es Pfammetichus died in 616. Bluir. Herodotus rund bis bijtory at the Olympic's Games, 445, ante Christum. I allow to the

middle of Pfammetichun's reign.

** The diffuses affigued by Herodotta is fifty-two days to Meroa, and afty-two beyond, which do not correspond, if the termination is at Axiona. See lib. ii. p. 115. But beyond Egypt all mult be suport. Arifidas, Orat. Egyp. contradicts Floridottas as to the distance, as I learn from Larcher, tom. ii. p. 213.

as Bruce, vol. i. p. 278, quotes Herodutus in this puffige, for what he foce not fay,

15 It figurifies the left hand. Fierad, because they had been guards on the king's left hand, perhaps the left wing of his stray. See Dind.

See Wesseling, mat. 71. Herod. lib. is

in

in the Periplus: a supposition which there is very little reason to discredit. In addition to this tellimony of Heródotus, we have a variety of evidence from other authors, that Adali " was built by exiles from Egypt; and if Bruce had not had fuch a predilection for his Shepherds, he must have discovered, that the monuments he found at Axoma himfelf, the obelifk", the tot, the table of hieroglyphics, and the sphinxes, are perfectly Egyptian, and not passoral, Troglodytic, Meroite, or Greek.

That the Greeks from Egypt landed at Aduli, and inbidued the country as far as Axuma, or farther, is evident. Prolemy Philadelphus pushed his discoveries beyond Meroe by land, and by sea, perhaps, as far as Madagascar; and the samous inscription preserved by Colmas Indicopleustes, is a proof that Euergetes subdued a confiderable part of Abyffinia.

This infeription is reported by Colinas to have been engraved on a tablet and on a marble chair or throne of the conqueror; and to have been extant in his own age at Aduli, 545 years after the Christian era. It is not without its difficulties; but Cofmas, from internal evidence, was certainly at Aduli " himfelf, and acquainted with Abyfinia. Ptolemy appears, by the infeription, to have paffed the Taeazze, which he calls the Nile, and to have penetrated into Gojam,

" Though be is called Indicaplenties, It can hardly give him crosin for having ever failed on the Indian ocean. It is defeription of Ceylon has uttained this title his him. But tioned elfe by Lobe, p. 2011. Fr. ed. Ohr- he fave himfelf, be had it from Supater. And his account of the fin beyond the frain of of Adhli, drawn by Colman on the Spot, some Bab-ti-mandely may well make us think he

^{**} Play, Ilb. vi z zg: Adilitor oppidim Marmore Adilitano. Ser Differation, No. II. Algeptionum; hoc first a dominin ploting condiderent.

^{**} All there are noticed by Bruce, and the form of the cheliffe delicrated ; they are munlifes also and pyramids appear in the picture Christicas, fire Childrent Antiq. Afatters, in never patient them.

Agows are mentioned by name, and other appell sieus feem to imply the kingdoms of Tigre V. Biramor and Regentler, the country of Geez, wish the mountains Samen and Larralmone. The movement tioned outshole tracks is disclaimed by Bruce V. But what phenomena were natural to the country in so dillant an age, it is hard to determine. What is added, that Protemy Energetes made toads or opened a communication by land between this country and Egypt, is the most remarkable particular of the whole, because this method of intercourse seems wholly obliterated, as far as may be judged by subsequent writers. And Agarharchides does not appear to be acquainted, either with the expedition of a favoreign of his own country, not lifty years deceased, nor with the country, or its port Addili V. His account goes no farther down the coast than Ptolemáis; and even there is not without a mixture of the marvellous.

This, however, is but a negative proof, and not fufficient to invalidate an existing inscription, if Cosmas is worthy of belief; and to his credit be it mentioned, that Bruce* found the name EUE/RGETES, still visible on a stone at Axum, which serves as a footstool to the throne on which the kings of Abyssinia are crowned at this day.

much defaced, may fafriy be refored."
HITCHEMARIT EVENTETUS EATINGE, Floremuch more authentic would a fac fimile of the infeription time been, than the refloremum in which, by an error of the author, for the prefs, Evinstetus, is read for ETEPTETOV, vol. iii. p. 132.

A SHARL WALL AND

[.] See Differention.ii.

at Vol. ii. p. 196. Bruze frys, there is no word in the language to express follow or for. But Horses fays, to obe that wive condition, a circumstance which case mour occurs, as I think, Addition toys.

se See Appendix, Adultic secrible, No. ii.

at Bruce writer, " The inteription though

On this evidence there is little reason to doubt the expedition of Prolemy to this country; and however the port of Aduli might be forgotten or abandoned in the time of Agatharchides, it became again conspicuous, as the trade increased in the Red Sea; or at least as it was conducted under the protection of the Roman power-

in Egypt.

This intercourse will fufficiently account for the character which the Periplus gives to Zofkales", the civilized flate of his manners, and his knowledge of the Greek language. And it is plain that this country was just beginning to be known again, as Pliny mentions Adult only without any notice of Axuma; and Strabo, who preceded him, makes no mention of either. The manners of thefetribes he derives chiefly from Agatharchides, with the addition of fome peculiarities "; but with the commerce of the coaft, and the kingdom of Abyffinia, he was unacquainted, though he accompanied Elius Gallus to Syene. That journey of Gallus was preparatory to the opening of the trade meditated by the Romans, from their first entrance into the country; the author of the Periplus " writes as if it had been opened previous to his own time, and with every apparent evidence, that he had traded to Aduli himfelf. The affortment of his cargo is as specific as a modern invoice.

of II the Adultic infeription is vertical, in the that purboutly account of Adulticia. But the knowledge of it was left, and the Periphts is the fell work extent, which experitly notices addit, Axima, and the conment of the country.

EXPORTS

we So and Sunty scenning to Bruce, ser souts, implying the Shepherd tribes on this court. The Markals is the part of the Shepherds. Could be not have found to in Zukiller the King of the Completels.

⁹⁷ At puniter Lelling toursamming De TTT:

EXPORTS.

Έλίφας. "Ρασκίρας. Ivery. Horns of the Rhinoceros.

IMFORTS

Turing Bartagua ayrapa ta is Cloth with the knap on, of Egyp"Asyran yudusa". tian manufacture, for the Barbarian market.

Droken Aperionricals.

Αξολοί νόθοι χρωμάτινου.

Λέντιαι

Δικρόσσια. Αιθία Υαλέ. Μυρους. Robes made up, the manufacture of Arsinoè or Suez.

Single cloths dyed, in imitation of those of a superior quality.

Linnen, supposed to be from the Latin Linteum.

Cloth, ftriped or fringed.

Glass or Chrystal.

Porcelaine, made up at Diofpolis in Egypt, in imitation of Oriental.

** Bruce has shewn, that Barbatick, Barbatine, and Berberin, are names derived from Berber or Barbar, the native name of the coall of the Teoglodicick, Ichhyophagis, and Shepherds. It goes down the whole suffern coast of the Red Sen. The Egyptims hated and feared them. It was, therefore, in Egypt a term both of decad and contamely, in which

fende it paffed to the Greeks, and from them to the Romans.

58 Salmafius emrywhere reads Majirel, which he supposes to be Oriental poverlamp if so, the manufacturers of Diospoils are the Prototype of the European imitators. But there is much controversy upon this subjects what the Morrhina really was.

'Ορίιχαλκος.

Option Course

Minleydia granust

Liongog.

Historia.

Унативут.

Mayagas

Horigin zahud spopula popula.

Anyageer.

Olios. Anolimeves, a) Irakmis.

"Bancos if word.

Neural portie.

'Αργυμώματα.

White Copper, for ornaments and for coin.

Brais, for enlinary veffels, for bracelets, and ornaments of the legs, ftill worn in Abyffinia. See Bruce, iii. 54.

fron, for spear heads to hunt the elephants, &cc. and for weapons of all forts.

Hatchets.

Adzes

Knives, daggers, or kanjurs.

Drinking veilels of brafs, large and round.

Denarii, specie for the use of strangers, Roman coin. If Greek, it would have been Δεάχμαι, drachms.

Wine, Laodicean, i. c. Syrian, and Italian.

Oil, but in no great quantity.

Gold plate. According to the fathion of the country, and as prefents, or for the use of the kings

"ACOANTIL

"AGEA AND

Καυνή και απλοι.

on Takker OU TOAKE.

Elongor Ironcos.

Watch coats, camp cloaks. Coverlida, plain.

of no great value. not many.

Iron, of Indian temper or manufacture.

shallfan itranausi.

Емунотоучин от Емунитоульны Hepeloguata,

Kattyaxan. Makagowa.

> Endage, chiyai. Adenos, Xeopeanios.

Officer Indian To martireger of his Indian cottons, wide and plain, perhaps blue Surat cottons, ffill common in Abyllinia. Bruce, vol. iii. p. 62.

Cottons or Mullins, in parcels. Sathes, still an article in great

request.

Coverlids.

Cotton, of the colour of the mallows flower.

Muslins, in no great quantity.

Gum lack, but Salmaffus thinks it the colour of a cloth or cotton. Plin. Ex. 816.

These are the principal articles imported from Egypt into Adali. The voyage may be made any time from January to September",

Latin terms and Egyptian. From January to September, that is, from Tylii to Theeli, otherwife our mult have supposed an error; for according to Bruce and the charts, the

The author expresses himself both in regular wind blows up the gulph from Noventher to April. Perhaps there are means of coming down from Derenice or Prolemnia. with land breezes?

but the best scalon is September, and this is consistent with the modern account of the winds in this sea.

Opposite to the Bay of Adulist lie many low and fandy illands called Alalaious, answering precisely to the appendages of Dalalac as described by Bruce, and exhibiting, seemingly, the elements of the modern name; for Dahal signifies an island, in the language of Geez. Hither, according to the Periplus, Tortoise-shell was brought by the Itthyophagis and it is very remarkable that Bruce should observe the beauty of the tortoise-shell here ", to be so exquisite that it is a very profitable article of trade with China and the Indies. Those who know the Roman talk for ornamenting doors, tables, conches, beds, &cc. with this shell, will not wonder at its value in the commerce of the ancients.

Below Adult, about eight hundred fladia, or eighty miles, there is a deep bay with a valt accumulation of fand, in which is found the Opfian flone, that is no where elie to be met with. Salmafins has proved that the title of Opfidian or Obfidian given to this folfil from an unknown Obfidias, is an error. He deferibes it as a dark green which will take a very high polifit, and for which reason it is faid to have been felected by Domitian to vancer a portico at an enormous expence, that it might by reflection show if any one was approaching behind his back, and preferve him from the attack of an affaffin. There are specimens in England of what the modern Italian artists call Opfian stone; its texture is close enough to admit

^{2 -} Thillenge J.

^{**} On the right, according to the sear, but to make this true you must doppose the writer at Addil, fronting the fee, with his face to sthe call,

res Pliny reads Alient, lib. vi. c. 14.

to: County between Dalathe and Sankers, but he wills, on his findy life hild down between 18" and 20", where, on his map, he hardle has a imple site.

of any polithes, but it is to dark that the green tinge can only be

difeovered in a particular light.

The bay where it is found is much harder to discover than the from itself". There is nothing like a bay till we come to Beilul, much too diffant, and there are no data to guide us but the diffance. It is here that the authority of Zofkules feems to terminate; and if Brace had been able to give in the exact limit between the province of the Bahrnaguth and the kingdom of Adel, it is possible that this might have determined the question.

From this bay the coaft of the gulph, we are informed, has a more easterly direction to the straits: a circumstance agreeing with the maps of Ptolemy, the report of Agatharchides, and the opinion of the age. This gives the fituation of the Bay, both in regard to

Aduly and the firaits.

The firaits of Bab-el-mandeb, or Mandel, which is interpreted the gate of affliction, are in all raspects worthy of consideration. They, for many ages, formed the barrier unpaffed by Europeans; and from the time this barrier was forced, the knowledge of India and the countries beyond it has been on the increase to the present hour. I speak of Europeans, because I am ready to admit an intercourse between the fouthern coast of Arabia and Malabar, as early as the most speculative antiquary can require. I acknowledge all that can be attributed to the voyages of Solomon's ficer, as long as they are confined to the coast of Africa. I accede to the progress of Timofhenes down the fame coaft, perhaps, as far as Madagafear, notwithflanding the inconfiftency of his accounts". And I allow

Star prolificed Butz.

and I have feen this Bond both rough and in the Modern Univerfal History, and ril, p. 121where the posts of Vells and Leils are morethrough which, if they had been extract beyond the firstin, single they been the Sinus Avillion on the Play, libe at

^{**} Hine in orn Atthiopir, finns incognirus, quod admirenur cum mercutorra altesiona Secutentum Pany, vie 34. For Beild, See

the Phenicians to have penetrated as far as Herodotus shall pleafe to carry them, if he will not conduct them round the Cape of Good Hope. But whatever discoveries we attribute to the Oriental navigators, there is no historical evidence remaining, that the Greeks in Egypt profession thefe discoveries to as to make them the bulls of a feirled trade; they contented themselves with fetching the produce of India and Africa from Yemen; if they did puts " the firaits by accident or defign, it was under fuch an imprellion of terror, that every thing beyond them was obscured by fable, the fun was a pillar ", and the fea a curd.

Much that the three first Ptolemies had attempted, was neglected, or forgotten by their profligate and oppreffive facceffors; and if that Romans had not taken polletilion of Egypt, a thort fuccession of weak and ignorant princes might have reduced this commerce againinto the time torpid flate, it has experienced under the Mainmeluke or the Turks. The dread of venturing on the ocean is expressed by miny writers long after the trade to India was ellablished; and Colinas, in the reign of Juffin, speaks of palling the firsts as wildly as Pothers does of the Arctic ocean,

As this species of the marvellous is a constant attendant upon ignorance.", and an indication that the writer deferiles what he nover faw; he is a plain narrative an evidence of truth, and the abience of prodigies one of the flrongell proofs that the author really vifited the country he describes.

vot It has been insticed in the field book. Allowers of Ethyndia will be flown at large have he their brownings erround in the ring on the room book, of Agather chillren in type the Aminima tended to busin, and Indian flore wrived at Araba, Greeks afterwards resched Bottle beliefs this of the lines court in Agrithmethica.

Agarlingthises

[&]quot; Compare the second in the Proplet so without senter of the Grath. How the boundary but its Thinks with the arment

It is from internal evidence of this fort that I conclude the author of the Periplus to have been himself a trader on the coast of Africa and Malabar. Concerning both he speaks with the temperate language of one who describes objects that are familiar; and the extravagance, such as he has, commences not till he passes Cape Comorin.

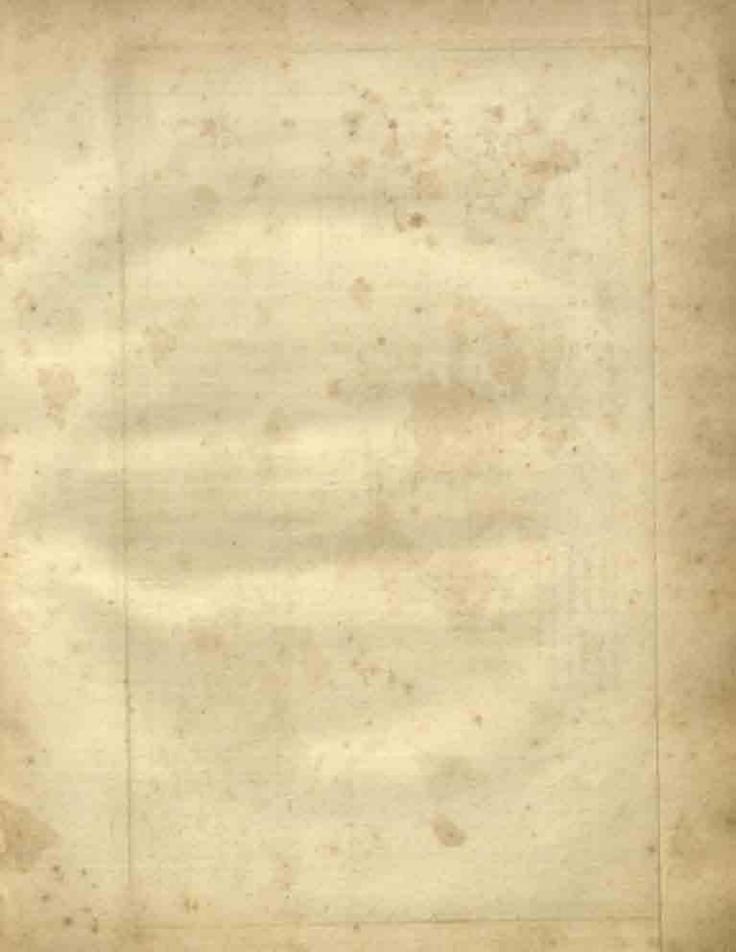
In running down the coaft from Adull to the straits, we have no mention of any place but the bay where the Opsian stone is found, upon an extent of near four hundred miles. The author conducts us at once to Avalites, which lay immediately beyond the neck of the strains; and from the time we leave Ptolemais Theron most of the appellations are native, without reference to the reigning samily of Egypt, or to the Greek language, "" for their origin.

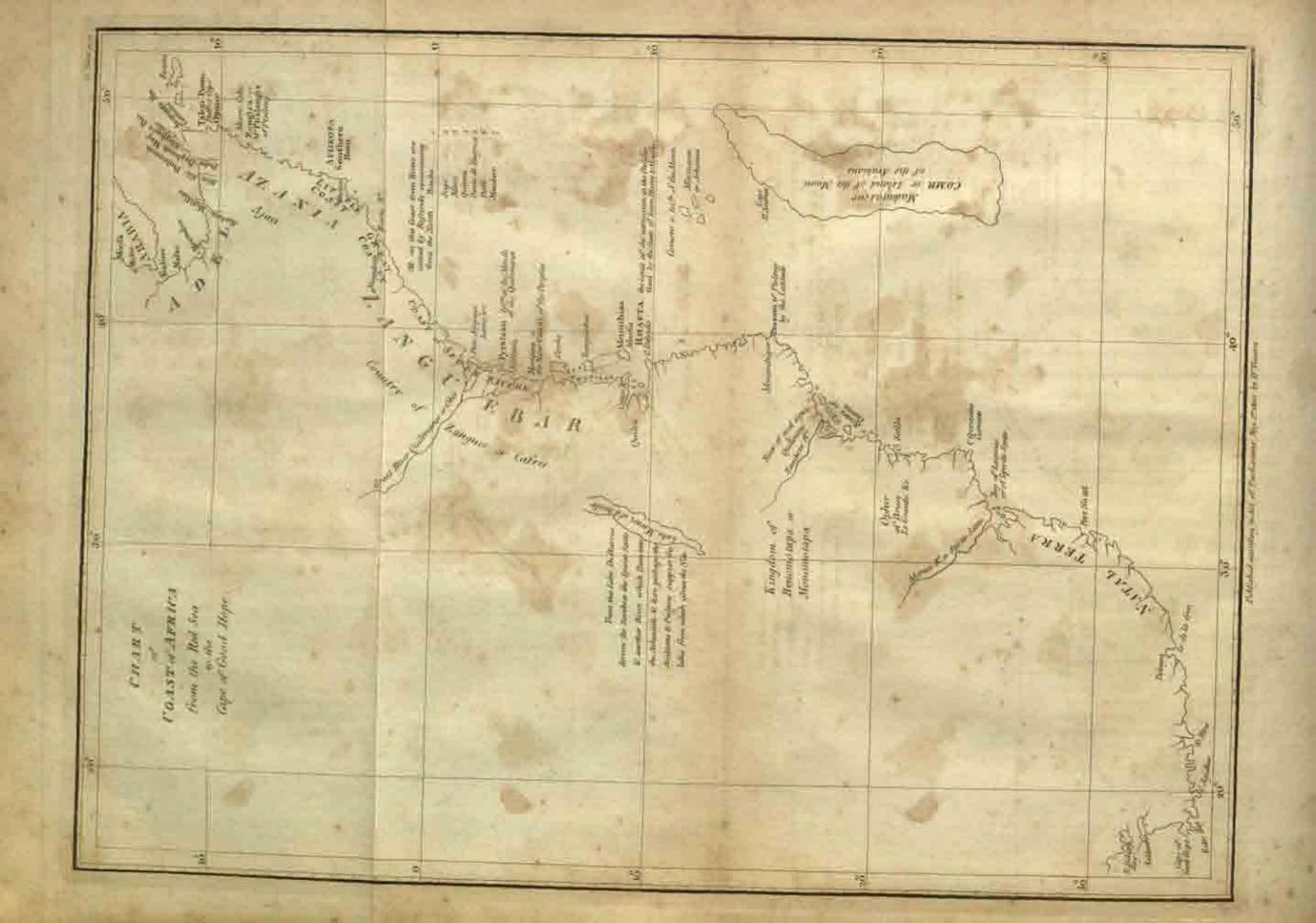
The reason of this does not appear, as Strabo, Juba, Pliny, and Ptolemy, all place Arlinoe and Berenice Epidires in this tract, with flight traces of other Greek names, as Eumenes and Anti-ochus ". If they exitted, it is strange that a Greek thould have passed them unnoticed, neither does it appear that they are concealed under the native names which Ptolemy reports, in the same manner as our author."

*** Simbo, p. 771, Prol p. 111.

eritree induced steer in Produce, and by a firenge mulake in Brace written and interpreted Director the Puries from the Latin.

ter Orine, Daylimm, Apakopt are Greek name, but give il from circumfinaces, and perlaps by the fiell navigator, as Cook named his new difference.





DEIR

VI WE are now to pale the celebrated firsts of Bab el-Mandeb, a name which is fometimes thought to be figured in the Mandacth of Prolemy. But Mandacth he flyles a william, and places it forty minutes north of the firaits". The firaits he calls Deire " on the Neck. The Periptin makes no mention of Deire. but observes that the point of contraction is close to Abalites, or the Abaligick mart; it is from this mart that the coast of Africa, Talling down first to the fourtr, and corring afterwards moveral the cast, is flyled the Bay of Avalines by Prolemy, answering to the modern Bay of Zeila; the country from the firsts to Cope Gardefan or Aromata is the kingdom of Adel; and in the modern Adel we may perhaps trace a refemblance to the ancient Ababites". However this may be, the Portuguele, upon their first intercourie with Abytfinia, found Adel a powerful kingdom in the hands of a Mahometun race of fovereigns, the determined enemies of the Christian name, and the ravagers of Abyllinia, almost to its delirution. Against their invaders, and spaint the oppression of Grazai", the most ferocious and the most speculatal of all those Mahamatan terrors, is was, that the Abyllinians follicized the affiftance of the Portuguele, Albuquerque, the brother of the illustrious general of that name,

the Adequate Deprint

opinion of Mayore, the sales as leng, is the opinion of Mayore, the sales as p. 150. Series assigned Adults of relation to Adults and

If the Line have of Add works to fed such a Fth disching Additional and the control of In the Recording Addition such as a few man in the add with Additional and Additional Line reacommunity Brown have the law of Salitation Additional and the feature of Salita-

was fent to command the troops appointed to this fervice, in which expedition he and most of his followers perished. But the knowledge which the Portuguese obtained by that intercoule, and the wars in which they were engaged, on the small of Arabia, with the Turks and Arabs, furnith the principal means that we have for explaining the topography of the country before us". The English who still frequent the Red Sea, feldom vifit the ports of Adel, as the ffate of the country prefents little temptation to the speculations of commerce. But when the Portuguele first entered these feas, Adel, though a barbarous was ftill a powerful government", gold duft, Ivery, myrrh, and Abyllinian flaves " formed the staple of its native commerce, the spices and muslins of India were still found in its ports, and notwithstanding the depredations of a favage war, caravans" were protected, which arrived regularly from Abyffinia, and the interior of Africa more to the fouthward. These circumflances will contribute more to illustrate the narrative of the Periples than any particulars which can be collected from ancient authors; the Portuguele found the country and the commerce in the fame flate as the Greeks deferibed it fifteen hundred years before, Arabs

tractable, intelligent, and endeed with talents and conveys which always slevage them to favour, and often to command. When construction Robinson favoyed the court of familia in 1772, an Abyffinian was matter of Small. How different is the fingular rule from the Coffice on the count in their origins with oil.

"" See Corisii in Rannaso, vol. is p. 187.

Purchas, vol. is p. 754-

200

mixed

O Marmid in this part of his work copies Di Barron. Di Barron's account we have in Remaille, these seich Olivius and Paris are the authorities reserved to.

^{1.8} In the voyage of the two Ardin, publified by Remandet, the trade of Zeyla is anticed, in loopard's feins, amber, member field.

or Abylliam flavor are in high ellimation in Turky, Arabis, and India; they are docule-

mixed with the natives, the fame productions and commodities. the fame intercourse with Hadramaut and the coast of Malabar. This flate of things ceafed, in some degree, with the arrival of the Europeans in India. But as long as the Indian trade was earried on by the Red Sea, the kingdom of Adel must have partaken in it. and its commerce would be fimilar to the Mofyllitick commerce of the ancients. This trade was fingular; for, as far as can be collected from the authorities which remain, it appears, that in the age of Agatharchides, the Greeks of Egypt went no farther than Sabes or Yemen, to fetch the commodities of India; that they afterwards palled the straits, and found a better market in the port of Mofyllon", one of the harbours of Adel; that in a later period they advanced as far as Hadramaut, on the fouthern coast of Arabia; and that all these efforts were made for obtaining the productions of India, till at last they reached that country themselves, first by adhering to the coaft, and finally by firiking across the ocean in confequence of the discovery of the monfoon by Hippalus.

The coast of Adel, flyled Barbaria. In the Periphia, commences at the firaits and terminates at Arbmata; in which there can be little doubt, that the author is more accurate than Ptolemy, who extends the name of Barbaria down the coast of Ajan, the Azánia of the Perriphia. Barbaria is much more properly extended to the north than the fourth; for the Troglodyres on the western coast of the Red Sea are the original Barbars or Berberines, as Bruce has admirably proved, the perpetual enemies of Egypt, whence their name became a term of odium and diffinction, and in this sense passed both to

^{***} Hence many fullian commidding save *** Nor Heyedones, like tr. s. 15ft. Alleralled Modyllinick in the nurber of Alex. wood, 64 militis, currents, frices, modifie, i.e.

the Greeks and Romans, as an appellation adopted for every thingthat was foreign, or contrary and offenfive to their own fystem of life and manners.

The coult of Batharia is estimated at four thousand fluids " In the Periplus, and is in reality four hundred and fifty prographical miles, without taking its finuclities into the account. The firain at-Bab-el-Mandeb are contracted to three and twenty miles, a space divided into two channels by the intervention of Perim and other lifes, both of which were navigated by the ancients, according to their courfe down the opposite fides of the Red Sea; from the firaits, the channel opens in an eafterly direction to Cana or Cape Fartaque on the Arabian fide, and to Arômata or Gardefan on the coast of Africa. These two promontories form the proper entrance to the firmits from the Indian Ocean, and are about two hundred and lifty geographical miles afunder. The latinude " of Fartaque is 13" 45 o", and that of Cardefan 12" o' o".

The African fide of this channel, which we are now to follow, contains, according to the Periplus, four principal marts or anchorages, called by the general name of Ta-pera "; and the fame number occur in the accounts of the Portuguese, but all attempts to make them correspond are in valu. D'Anville has placed them

in Certainly more are intended by the Pr. rights has not freeified. Four thendard Badis are four hundred Komen miles.

tutura I legion flyingly to the former. The marry beamed the fiveles, in contradiffraction to that within a properly of which on when Aid this ferms fally collimined by the Permille most, p. 8, where the MS, has saver and s age, which Hadfin very properly within of right, or if sign, because joined with some ned or wide.

The or land down from one of the latest charm, by Liewis and Whitele's har in their latitudes, and the quice horseen Turnipur and Cardeling the charts differ greatly,

to Whether we are to real to right or Caraga, is very julity doubted by the commercia

according to the measures of the Periplus. My own with was to have reconciled Mofyllon with the modern Zeyla; fieft, upon account of a refemblance in the found of the names; and fecondly, because Zeyla is the principal mart of the moderns, as Mosyllon "4 was of the ancients. But this endeavour is favoured neither by the measures or the circumflances described. The leading fasts upon which the following arrangement is founded, will be tlated in their proper place; they amount, at belt, only to conjecture; but this is of less importance, as they terminate in certainty at Arbmata, with fuch firiking peculiarities as can be derived only from one who had actually visitled the coult himself.

ABALITES, AUALEITES, pronounced AVALITES, whether written with the B or the U.

VII. The first of these marts is Abalites, a road, but not a port or harbour; the goods are conveyed to and from the ships in house or rafts ". This place, according to the Periphia, is close to the Straits of Bab-el-Mandeb, but Protenty has fixed it at the diffance of fifty or fixty miles, and makes it give name to the whole Bay of Zeyla, which is flyled the Bay of Molyllon by Pliny. There is a Ras Bel " in the charts which is not more than ten geographical miles from the itraits; but whether the reiemblance of the names marks any telation, is juffly to be doubted.

live is the kingdom of Adel, ills as p. 1500 355

Tihe

the Marsual speaks of sumy ancient builds on our be in some destred from the preffice rogant Zayla, but any order to Auditam here and the of I as Married is fully consinced, that Alapof a much little there than the age of the Peti-

place like (C. p. 15% or log. Fromth ed. 674 Strabo notices the trunsferring the megons at the Spate from blips to bests. May

The imports of this place are:

Yaky hillie oupperator.

A something out of

Flint glass of various forts.

Unripe grapes from Diofpolis, or, perhaps, vinegar. See Hefyeh. Stuckius supposes it may be any unripe fruit; and Ramufio fuppofes it to be a species of stone.

Чинти Вирвирия общинти уyvanueva.

Elrec.

Ownz.

Kassireps; exlyes 17.

Cloths for the Barbarine coaft, of various forts, with the knap on.

Corn.

Wine.

Tin in fmall quantity,

The exports are conveyed by the natives in small craft to Kelis [Okelis,] and Moola, on the coast of Arabia, confishing of

Apoputara.

Exiduc oxlyne.

Xahalan.

Empira thayier outlieses of the axxxx.

Gums, odoriferous gums.

Ivory in finall quantity.

Tortoife-thell.

Myrrh in very fmall quantity but of the finest fort.

of restriction land and Best of Britain we thus find on the conveyed. How many commodities passed coult of Africa. May we not juffly Suppose, that the Africans knew as little of firstain as the Britons of Africa? Yet here we fee the ledge enisted? medium through which the commodity was

from regions countly difficut, without my knowledge of the medium / before my know-

Particular

Particular attention is due to this fall article, because the myrch of Arabia is celebrated by every poet and historian, while thruce fays, it is not properly a native of that country, nor dues it come to perfection there. Its origin, he affirms, is from Azam in Africa. The Periplus is perfectly in harmony with this affertion. It mentions the myrch of this coast as the finest of its kind; it specifies the means of conveying it to Yemen or Sabea; there the first Greek navigators found it, and through their means it found its way into Europe, under the name of Sabean.

One other remark of the Periplüs, that the natives of Avallus are uncivilized, and under little reflicant, is worth noticing, because it is in correspondence with all the modern accounts we have, which describe the natives as treacherous beyond measure, a quality, perhaps, not mitigated by the introduction of Arabs among them, or the religion of Mahomet, but aggravated by inflruction, and pointed by superstition.

We have now four thousand stadia to dispose of, eight hundred to Malao, and a thousand, or two days fail each, are allotted to Mundus, to Mosyllon, and Nilo-Ptolemeon. In the distribution of these d'Anville has acted wisely in considering the distances only; and though I differ from him in the following arrangement, upon the strength of one particular, which is the mention of directing the course east from Mundus, it is not without dissidence in my own assumption.

MALA O.

VIII. Eron't hundred stadia, or eighty miles to Malao, is more than sufficient to carry the position of this place to Zeyla; but the description given can hardly be consistent with the situation of that town in a bay; the anchorage is marked as a road upon an open shore, with some protection from a promontory on the east. A protection on the east is more applicable to a coast that lies east and well, but an open road is hardly consistent with a bay its like that of Zeyla; and the security of the following anchorage seems to claim that privilege for Mundus. The natives of Malao are described of a more peaceable disposition than their neighbours, and the imports are such as have been already specified, with the addition of

Xirmer.

Jackets.

Σάγοι Αρπατητικό γεγταμμένου ή Βιθαμμένου

Cloaks or blanketing, manufactured at Arfinoe or Suez, with the knap on and dyed.

Maxistin axion.

Brafs or copper prepared to limitate gold.

Lednoos.

Iron.

Δειάριοι ε πελύ χευσεν 15 αργυράν.

Specie, gold, and filver, but in no great quantity.

is called the key of Zeyla, but Zeyla idelf lies to an inner bey or harbour.

The

[&]quot;Open intention in open small. Stucking mentions Mergeo as its experimentative, from Bellehmett.

The exports are

Eschool Myrrh

Allagor e securità 10 delper Frankincenfe, thus, or olibanum of Adel.

Κασσία σκλημοτέρα, Cinnamon, caffia lignea.

Asses, Karre, Adres. Cinnamon of inferior forts.

The gum cancamus. Kayanuas

Tila, felamum, carried to Arabia, Maxiga but fee Plin, xii, 8. who calls it an aromatick from India, the bark red, the root large. The bark used in dyfenteries.

Умита отакия. Slaves, a few.

We have in this lift the first mention of kassis, casia, or cinnamon. It is all of the inferior fort, flich as the coult of Africa always has produced, and produces flill; of little value in any market, where it comes in competition with the cinnamon of Ceylon, but grateful to the natives, readily purchased by those who cannot obtain the Oriental, and ftill falcable for the purposes of adulteration. How old this traffick was is not easy to be determined, but if the thips from Egypt did not pais the firaits when Agatharchides wrote, they certainly reached this coast in the time of Artemidorus, as we

may be a mercandic term, by which the com- et .. See Perip. to 8.

Or Hyunds and he interpreted according smalley was known at Alexandria, and then to its reference; if it applies to the past itfell allow I remain will be the femiliared, which it is to be emiliared foregree and sorres. But it comes from the posts legal the finding of

learn from Strabo, who mentions the baitard cinnamon, perhaps the fame as the cafia lignes, or hard cinnamon; he adds also, that the cargoes were transferred from the thips to boats at the firalts, a proof that this commerce was in its infancy, lib. xvi. p. 768, 774. Slaves are noticed here as an article of commerce, a circumfunce common to both the coalls of Africa in all ages; in the present inflance it requires no great stretch of imagination to suppose that the ancient traffick of Adel was parallel to the modern, and that the slaves procured here would consist of both Cafres and Abysinians; according as the course of war or the plunder of individuals supplied the market, both for home consumption and exportation.

MOUNDUSO, pronounced MOONDUS.

IX. THE next anchorage we are directed to, is Mundus, at the diffance of two days fail, or a thousand stadia: D'Anville sixes it at Barbora; in which he is justified by the measures. If I neglect the measures, it is with regret, but there are circumstances mentioned, which induce me to six Mundus at Zeyla, or at an island previous, called Londi, by de la Rochette, and Delaqua by the Portuguese, for Malaö and Mundus, in Ptolemy ", differ not in longitude; and his Mosyllon is a promontory which may be Barbora, but fuits

Moondon, and whether the author means to good the partie found, both in this Moondon and re Painfamondon, (Crylon,) or whether it is a correspond of the test, may be dealered. But the slage is uniform, and therefore from to be defined rather than acceptant. Moondon has a close Oriental from than Mondons and as both this place and

Ceylon were puffilly to named by the Arabina who tended to both, it is natural to look to the Arabick for its securing. Her Peripl. p. 6.

neither

hong. 70°, lat. 6° 30°, bische bergen av (... Much), a mure, long. 78°, lat. 6° 30°, bische bergen av (... Much), a mure, long. 78° lat. 2°. However erroneous their intitudes may be, their margin relation has a confiderable degree of weight.

neither of the other two. Another confideration is, that the Periplus, though it does not actually affert that the direction of the course to the east commences at Mundus, yet mentions it here for the first time: this is true, if Mundus be fixed at Zeyla, and this circumstance is the particular inducement for preferring it. The safety of the anchorage here at an island, or under the protection of an island, is marked with precision; and if there be an island at Zeyla, the whole evidence is consistent. Bruce "mentions the isle of Zeyla; but I have found no other authority; and if he is mislaken, Mundus must be carried back to Delaqua. But upon the authorities alleged, Malao may be well fixed at Delaqua, and Mundus at Zeyla.

The native traders, at this port, are described as an uncivilized tribe ", and the imports and exports similar to those of the preceding ports, with the addition of mokroton, a fragrant gum, the more peculiar commodity of the place.

MOSULLON, written MOSSYLON by Pliny, MOSYLON by Ptolemy.

X. At the distance of two or three days' fail, or from an hundred to an hundred and fifty miles, we are conducted to Mosyllon, the grand mart of the ancients on this coast, the place which gave name to their trade and to the whole bay, in preference to Abalites, in the estimation of Pliny. The distance from Zeyla to Barbora is stated at eighty miles by Osorius 128, a circumstance not unfavourable to the two

¹²¹ Vol. ii. p. 141.

^{*10} Examinate, duriorea.

^{&#}x27;33 Gendann, incenfe:

⁴²⁹ Olorios, vol. is, p. 229. Marmat, lib. z. p. 176, maket it only eighters beginn

days' fail of the Periplüs, which, in ordinary computation, are equal to an hundred miles, and which will bear contraction or extension according to the currents or the winds.

The character of Molyllon is omitted in the Periplis, but in Ptolemy it is twice in facilitied as a promontory, and by his latitude it is carried up a whole degree more to the north than Mundus. This projection is doubtless too extensive, but the feature is true, and fusits no other point on the whole coall but Barbora, for Barbora is a town upon an island in close to the shore, adjoining to a narrow cape of considerable extent, which is open, low, and fandy. Its want of height prevents it from affording protection against the N. E. monsoon, and this may be the reason why the Periplus calls it a bad road. D'Anville has carried Mosyllon another step towards the east, to a river where he finds the name of Soel in, and which he supposes related to Mosyllon; but the Periplus requires more rivers than we can discover at prefent, and this stream may well be preferved for Nilo-Ptolemeon, an appellation in which undoubtedly a river is implied.

But there is a fill greater probability implied in the very name of Barbora, which is written Borbora, Barbara, and Berbera by

Atlantick Common rate of Molyllem by which are in the administration by which are in the administration to be confident the whole access which formsailed Asian are assumenting at Mount Atlas See Pling, the side, e.g. Stockins in lace. See also Connoviers's implied P. Meia.

111 Minimage sailpriem, ich t. S', p. 111.

112 Carlali le Rammin, vol. 1 p. 187. The

Universal History mentions a river at Barbon culted Hummun, vol. vil. p. 307, which Lindalfus fays is the eiger of the rapidal Aucugurecte. Marmol supposes Burbors to be Meryllon, vol. iii. p. 156.

chartre de la Rochette applies Londi to sthut others flyle Delaqua. See Univ. Hitt volcum p. 347.

14 The Universal History mentions Salim, and improves it to be Mofyllon.

the moderns, retaining fill the title of Barbaria, attributed to this coast by the ancients; and as d'Anville has observed, that the name of the province became applied to the capital in many European cities ", fo have we in this part of the eafl, the town of Arabia Felix, fo named from the province, and the fame place afterwards called Aden from the country Adane. It is probable, therefore, that Barbaria became applicable to Barbara, the principal mart on the coast; and if this be admitted, it gives great weight to the suppolition that Barbota and Molyllon are the fame. The Molyllitick coast and Barbarick coast were synonymous.

The imports at Mofyllon are the fame as have been already frecified, with others peculiar to the place.

Eneun appupa. Eldyen Didosu. Albla.

Silver plate, or plated. Iron, but in lefs quantity. Flint glafs.

Exports.

Karrias review " This or a kal μειζουων πλάιων χρήζει το έμπο-

Cinnamon, of an inferior quality, and in great quantities; for which reason, vessels of a larger fort are wanted at this mart.

144 Some MSS, and the edit, Balil, send years, which, according to Salmaline, in right, ordinary cottons. But the immediate plaining See Plin. Exer. p. 541. He refers it to of 1 all policy was good implies quantity. galling as figurifying a great quentry. I use and requires again, rather than given

10 As Paris, Berry, Vannes, Triene, &c. &c. fernand it as on my waterny, of an infirm on wheaper fort. See Parip. p. 28. U 2001Endowe.

Andparte.

Xthurages chiyes.

Мокротов ўттов тё Мыйлака.

Аббазацій перативіції.

Exegue.

Σμύουα σπανίως.

Fragrant gums.

Gums or drugs.

Tortoile-shell, of small fize, and in no great quantity.

Incente, in less quantities or inferior to that of Mundus.

Frankingense of the coast of Adel.

ivory.

Myrrh, in finall quantities.

The Mofyllitick trade of the ancients has been noticed already; and the cinnamon mentioned in this catalogue is a fufficient proof of Arabian merchants conducting the commerce of the place. An inferior fort of cinnamon indeed is a native production ", but the Mofyllitick species is enumerated by Diotcorides as one of prime quality, and consequently not native but Oriental. The immense wealth of the Sabéans, as described by Agatharchides, proves that in his age the monopoly between India and Europe was wholly in their hands; but the other tribes of Arabia traded to India also; and the Greeks of Egypt by degrees found the way to Aden and Hadramaut in Arabia, and to Mofyllon on the coast of Africa. Here they found rivals to the Sabéan market, and supplied themselves at a cheaper rate.

of Arabia, which did always and fill those produce this article, or from India, the because of which. Niebular fays, in better and purer than the Arabian; but it suffer refers to six age.

⁴⁴⁵ A specimen of African cinnamon I have feen in the curious and scientifick collection of Dr. Burgeis; it is small, hard, and ligarous, with tittle fragrance.

After another course of two days, or an hundred miles, we are conducted to Nilo-Ptolemeon. It is the last distance specified, and may be terminated either at the Soel of d'Anville, or at Mete, where there is also a river: the former is preferable, because the Periphus makes mention of two rivers at least between Nilo-Ptolemeon, we can find two other rivers, one at Mete, and another near Mount Elephant, which is the Elephant River of the Periphus, and the Rio de Santa Pedra of the Portuguese. Strabo mentions the name of Nile on this part of the coast.

NILO-PTOLEMAION.

XI. Ar Nilo-Ptolemeon we exhauft three thousand eight hundred out of the four thousand stadia allotted by the Periplus to the range of marts, which are called by the common name of Te-para "; and speaking in a round number, it may be presumed the author estimates his four thousand as terminating at this place; this gives a measure of four hundred Roman miles, where the real distance is about four hundred and sifty; a correspondence certainly sufficient where there is no better estimate of measurement than a ship's course; and, sensible as I am that the particulars of d'Anville are better adapted to the distances at the commencement, the conclusion of the course and the position of Mosyllon are more consistent in the arrangement I have adopted. It is, however, at best but hypothetical, and submitted to the future determination of those who may obtain a more perfect knowledge of the coast.

^{**} Toenge fie forfan eicht quis fe mannt firme, neutrendy metierd, et eigen See Periptangunt er confequentur, Stuckien. But it p. 8. und Stuckien Com. p. 23.

But

But we are now arrived at a point in which there will be nothing equivocal. The promontory of Arômata, with its two inferior capes, Elephant and Tabai, will be described with a precision in perfect correspondence with modern observation; and the circumflances are for peculiar, that they befpeak the testimony of one who delineated them on the fpot.

Mann, TAPATEGE. DAPHNON MIKROS. ELEPHAS, Prum. Rivers, ELEPHAS. DAPHNONA MEGAS, or AKANNAL

XII. The places which occur are Tapatege "t, the leffer Daphnon ", and Cape Elephant; the rivers are the Elephant, and the greater Daphnon, called Acannai. Neither place or diffance are affigued to any of their names, but we may well allot the rivers Daphnon and Elephant to the fynonymous town and cape; and these may be represented by the modern Mete and Santa Pedra. The river at Mete is described by the Portuguese as dry at certain feafons. When they landed here under Soarez " in great diffrefs,

rum thus : " Sailing along the coast two days " from Motyllon, you meet with Nilo-Ptole-" mann, Tapmège, the letter Daplinan, and or Cape Elephant then towards the to footh well, (to All a,) the country bas (100) or risers, one called the Eliphant River, and " the other the greater Doplinon or Akmor mail after this the could loclining er to the fauth, [la th Nim Ile,] incceeds the e mars of Axomata, and its promontory. es which is the terminatum of the forbariely " coult, and a projection more calledy than " Apokapa."

The text is to very corrupt to this part of the work, and the points of the company to differentiant, that, after feeing Mr. Godelin's

147 The literal translation of this passage work, I cadearound to reconcile them by following his fyllens, and carrying Cape Ardmats, which I have fixed at Gardefan, to Daffin but though this does relieve in tome degree the expressions Es Alica and Nicos, till the two pronounteries of Gardefan and Daffai are so throughy marked by Arbunutz and Tabur, that I returned to my own accongement. The but is characterifed as a promontory at the head of a Cherioneie, and that in fach stidence as hardly to know a doubt open the qual-

" Dinferrates Diplimitis of Callie (profet, he appellator a Duphmuntz magus vel parco ubs olim farfim provenit. Stuckius, mot. p. 24: fed puties a Lauretie, p. 25.

Marmol, lib. x. p. soo.

they found the place deferted and no water in the river; but a woman whom they feized directed them to open pits in the channel; and by following her advice, their wants were relieved. Commodore Beaulieu 112, who anchored a few leagues north of Gardefan, received limitar inftructions from the natives with the fame fuccess. These circumstances are mentioned to identify the existence of rivers on this coast; and I think I can discover in the map, framed by Sanson for the French edition of Marmol, that the learned geographer paid attention to these rivers of the Periplus.

Cape Elephant Is formed by a mountain confpicuous in the Portuguelle charts, under the name of Mount Felix or Felles, from the native term, Jibbel-Feel ", literally Mount Elephant. The cape is formed by the land jutting up to the north from the direction of the coaft, which is nearly cast and west; and from its northernmost point the land falls off again fouth east " to Cape Gardefau, the Arômata of the ancients.

But if we have the authority of the Portuguese for a river at Metcl, we learn from an English navigator the same circumstance at Jibbel-Feel. Capt. Saris ", in 1611, stood into a bay or harbour here, which he represents as having a safe entrance for three ships

^{**} As idealligent French Community, in 1619, white wange is published by Melant-scale Themat, and inferred in Harris. The pur Branden opened were on the flore.

[&]quot; jible Teel, Anthick, from the Heb.

Bruce is enjoy at the elformer of Felix. Postage other names is the Periplic would admit of constation, if see know the language to refer to:

¹⁹⁴ To the Mine, Perip. not correct; hedraffe, are sufficient to the middles's one fullers, Arbitrate is the culturem digulated Africa.

[&]quot;" Sails calls the place Public, from the Portraguels Fills, But so he shrinkes in he tweety. [Mars.] there can be no miliake. Parches' bile surger of the East India Company, vote in p. 14".

a-breaft, and that both wood and water were in plenty; he adds also, that several forts of gums, very sweet in burning, were still purchased by the Indian ships from Gambay, who touched here for

that purpole in their paliage to Mocha.

The whole detail of this coaft, from the firaits of Bab-el-Mandeb to Cape Gardefan, is principally derived from the Portuguese, who ravaged it under the command of Sourcz, in the years 1516 and 1517. Corfali, whose account is preserved in Ramusio, served in the expedition. Soarez " had been fent against the Turkish force collected in Arabia, a fervice which he conducted with great ignorance and ill fucceis. The diffress of his fleet he endeavoured to relieve by plundering the coaft of Adel; Zeyla, Barbora, and Metè were deferted on his approach, where little was obtained. Zeyla is described as a place well built and flourishing; but of Adel, the capital, little is to be found. That the power of the kingdom was not injured by these ravages appears from the success of its arms against Abyssinia between this time and the year 1564, which extended almost to a conquest, with encreasing hatred against everything that hore the Christian name. Little is known of this country fince the decline of the Portuguese, but that the government is Mahometan, and the governed are removed but a few degrees from the Cafres of the coast below.

At the marts which succeed Nilo-Ptolemeon in the Periplus, no articles of commerce are specified, except frankincense, in great quantity and of the best quality, at Acannai. This is styled Peratick ", or foreign. But it cannot be admitted in that sense as to

¹²⁴ This expedition is found in Ofmins, di 125 O equanique Barros, Faria, and Bruce.

the commodity itself, for it is noticed expressly as a native "produce of the place. Still it will lead us to solve a difficulty already noticed in regard to these ports of Barbaria, called Ta-pera, which, by a slight correction " of the text, will signify the ports beyond the straits. The articles obtained here would naturally be styled Peratick, from (Pera) beyond, and would be known by this title in the invoices, and the market of Alexandria, in contradistinction to those obtained in Sabëa, Hadramaut, or India. The author is writing to Alexandrians, and is consequently specifying the precise ports where those commodities were obtained, which they knew by the name of Peratick.

This is not the only difficulty in this part of the work before us; the quarters of the heaven are dubioully described; the sentences are ill connected or imperfect. There is at least one interpolation ", or a corruption equivalent; and it is not known that any manuscript is in existence, which might lead to a correction of the

"Assembly the Perairiek franklacente in a greatest quantity, and of the best quality, is produced." All the testimants of the americants unite in supposing Thus or Prankingenie to be the peculiar native produce of Sabéa. But Bruce and Nichala both agree, that it is not a entire, and that the best is not produced in Arabia, but procuous from Adri and India. But in Arabia the ancience foil met with it, both produced there and impacted. How correspondent is the evidence of Bruce and Nichalar to that of our Abertadrian merchant!

"To view the parts Leyend the Straits. See Perip, p. 8. mirrors.

"The fixe concluding words are a manifest interpolation, because we are not yet arrived at Arbinata, and Opdore is indisquent. From Arbinata to Opdore the tendency of the could is fouth well a and from Opdore is continues the finest but from Elephas the could lies footh raft to Arbinata and Elephas the could lies footh raft to Arbinata and Elephas is not connected with Opdore at all. Stroking and Hudfon both complain of the corrupt state of the text. And topplanden Gelevius, who published the first addion at the professor Episte, Ball, 1532, to his Prefactory Episte, raker on notice whence he had the manufactor, for our Frobent, Ball,

text. Under these circumstances, indulgence is due to the attempts which have been made to preferve, in any degree, the connection and confidency of the narrative.

We now arrive at Cape Aromata or Gardefan, a place of importance in every respect; for it is the extreme point cast of the continent of Africa; it forms the fouthern point of entrance upon the approach to the Red Sta; and it is the boundary of the monfoon from causes that are almost peculiar. Its latitude is fixed

60	8	o" N.	by	Prolemy "%
12				Beaulieu.
11			and the party of	D'Anville.
13"	30	24	-	Bruce.
12"	o	6"	100	in Lacam's chart, and the
				general one by Lawrie and
				Whittle.

Beaulieu, who anchored within four leagues of Gardefan, deferibes it as a very high bluff point, and as perpendicular as if it were fearped. The current comes round it out of the gulph with fuch violence that it is not to be flemmed without a britk wind, and during the fouth west monsoon, the moment you are past the cape to the north, there is a flark calm with infufferable heat.

This current, we may conclude, is not conflant, and probably depends upon the direction of the winds; for Faria mentions a thip that was separated on the could and carried to Zeyla by the current.

the fe is very remarkable that the latitude this road, which was silved every year by of Prolemy thould be fo very erroneous on merchants he mult have feen at Alexandria.

And Purchase ", from Fernandes, afferts, that the current sets into the gulph during the increase of the moon, and out of it upon the wane. The current below Gardefan is noticed by the Periplus as fetting to the fouth, and is there, perhaps, equally fubject to the change of the monfoon.

There is great divertity in writing the name of this promontory, and of its two fubordinate capes. Bruce is very urgent in directing us to write it Gardefan, and not Gardefui ", as it appears upon many of the charts; Gar-defan, he fays, fignifies the firaits" of Burial, and we have had Mete or Death before, names which imply the infferings or terrors of the navigators. The Greeks, if their appellations may be admitted as a proof, were either better omened or less alarmed.

TABAL

XIII. Ar Arômata the Periphis marks in the molt pointed manner, that the coast falls in to the fouth; and in another place specifies its foutherly or fouth weiterly direction to the limits of ancient dif-But before it touches upon this, another cape is marked, called Tabai, which answers to the d'Orfui" of the Portuguele, about feventy-five geographical miles fouth of Gardefan. And thus is Aromata, with its two inferior capes, defined as precifely by the Periplus as Gardefan could be by the best geographers of the moderns

tes Parls, vol. l. p. 153. Perchafe, vol. 1. 20.741

¹⁰⁰ Vol. 1 p. 441

An error, perlupts for cape, fluid.

sas Harris, la flumbicula Voyage, cuile fa Organ: Bendlen by one two months to the footneed of Grain or Table. Harry, L. радаб. Огран пругожны го Орбан.

The author expressly mentions also that Arômata is farther east than Apôkopa, and actually the most eastern point of the continent; the anchorage, he adds, is totally exposed, and in some seasons very dangerous, because it is open to the north. The certain prognostick of an alteration in the weather is when the sea changes colour and rifes turbid from the bottom. Upon the sight of this, the vessels which are at anchor here weigh instantly, and say to Tabai for thester. This remark is the more valuable, as the author himself mentions it rather as the effect of an accidental change of the wind than of the monsoon. But as we have observed before, that in the south west monsoon, Beaulieu found a dead calm to the north of Gardesan; from the same cause, in the season of north east monsoon the calm will be on the fouth of Arômata and Tabai, or d'Orsni ".

With this delineation before us of the most prominent feature on the coast, whatever failure may be discovered in fixing the stations from the straits to the cape, it can by no means discredit the originality of the work. Distance of time, the changes of power, or commerce, may have defaced the particular features we have described, but the general appearance of truth and sidelity is indisputable. If any accident should lead an English navigator again

*** Orfar is written d'Orfar, Arfar, d'Arfar, and Carfar, possible for Cape Arrar; but the true orthography forms that of Bertholey, who writes d'Affar; or, perhaps, as Reflende does, Daffar; apparently the time word as Tabai, if we confider that the Greek promondation of Tabai is Taval, and that Taval, Daval, and Davas, outerally approach Daffar; but I configs this to future inquiry upon the foot; and future inquiry may likewife eletermine whether the two capes Daffar

and Gardeful are relative appellations, for this I sufpect, and think it possible that the relative may be discoverable in the Arabick's the funce relation holds good in mother form of orthography, which is Afim and Gardefun. Could I aftertain which we right, I should as readily conjecture that Opdus [or. Ophuse] was Afun, as that Tuhas was Dassii. But there is no end of conjecture, without a knowledge of the language. to this barbarous and neglected coast ", it is very possible that the descriptions of places, brief as they are, may be recognized by a judicious observer, and the ancient narrative be established on modern investigation.

The articles of commerce obtained at Arômata we may collect from its title; for Arômata, (although Salmafius informs us it is the name for drugs in general,) in this journal, at leaft, fignifies gums, fpices, odours, and fragrant productions of every kind. The vellels which traded here we may suppose anchored to the north or south of the cape according to the season, and must have received or delivered their cargoes in boats and rafts, as has been noticed at previous anchorages. The change of the monsoon must likewise have been watched, as it is noticed in the Periphus; no particulars of import or export are however mentioned here; but at Tabai or d'Orfui, it is said, that they brought the same articles of commerce as to the coast above, and received the following commodities in exchange, which were native:

Kureia.	Cinnamon.
Tilling.	Cinnamon of a fmaller fort
"Ασύφη.	Cinnamon, ordinary,
"Αζωμα.	Fragrant gums; but as inferted here, perhaps, a species of cinnamon.

of the Red Sea, in 1798 and 1799, when the French in Egypt were inspected of an intention to escape to India, some intelligent English officer may have made observations which would contribute more to false the difficulties of this assigntion than any which can be collected from the documents which have been published.

Mary Aug

Jan 1 - 24

Michael.

Cinnamon of inferior quality. Frankincenfe,

At Aromata terminates the modern kingdom of Adel, and the Barbaria of the Periplus; and here the coast of Ajan or Azania commences; in which our author is more correct than Prolemy, who extends the limits of Barbaria farther to the fouth. Azam " or Ajam figuifies water, according to Bruce; and in this fense is applied to the western coast of the Red Sea, in opposition to the Arabian side where water is not to be had. If Ajan has any reference to this, it seems very ill applied to the coast before na; for between Aromata and Apókopa is a most desolate shore, where hardly the name of a habitable place occurs in the modern charts, and where the Periplus, from Opone, is a total blank. At Apókopa, the Cape Baxos [or Shoal Cape,] of the Portuguese, commences the coast of Zanguebar, so called from the island of that name, the trace of which is preserved in the Zengisa of Ptolemy.

The following table is now fubmitted to the reader, with a just confidence in its general correspondence, but not without requesting a candid allowance for possible error in some few particulars:

The state of the same and the state of the s

The fact that the first the first that

^{***} A thegelow, called Adea is placed here; for: but the survey, he says, are called Haby the super, but the nothing of the Universal diems, i. c. Ajams, whence the surveying late Hilling deep its callenge, and to does Ludgot Adeas.

Coast of Azania from Cape Ardmara to Rhapta [and Praffirm.]

[M. B. D before the name of a place marks D'Anville. * Points impoint to be aftertained. J Doubtful.]

Stallia of the	A CAN TO SE	-Corporation of the	The state of the state of
Periphin derim	Philage	Zat. North.	Malern Name and Ladelin.
Soo I. Asbruta - 174 Tahui ***	Aromita Passpres Vinus Passo ***	6" a a	D. * Gardefin tr. 15 of D. & Cornel to 30 of Definit
Till: Onbac Four handred fladin from Tales round the Chesto- ness, hance the sport rends	Opône •	\$_42, ¢.	D. C. Didginto? Randel Caus Buy of Galee 3 9 45 9
400 current also fats to the found.			
V. Aptikops the left	Zengia 165 Phulapgis Mom. 12 Apakapa (Notl Cornu U	3 10 0	Morro Culin t 6 6 6 C
3000 Six days toll, a river to the more	Southern Horn or Cape	21.12.0	D. C. Baxes 4 55 of
VII. Little coult VIII. Great coult 3000 Sin days fail.	Little emilt. Great could tes	2, 10, 0, 14, 0, 6,	D. Magniatho : o o N.
7300			The state of the s

the Retween Arbeigns and Takes it is unless to Boy of Belleves Beyla

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Stadia of the Periplian	Acrian.	Prolony.	Lat. North.	Modern Names and Latinudes.
7300 IX.		Effina **** Under the line	- 0, 0, 0,	Beava? . 1º o' o' N.
500 XL	Serápion, une day's fail Nikon, one day's fail	Serupion To Nike - Niki	4 45 0 S	
econ cuch	Several rivers and roads a day's fail, in all fever,		Section 1	* Coaft of Zenziller and Melinda.
XIIL	ng at the Pyrulams iffands and } new samil.	-		Mombaça? + 5* 50 o S.
XIV.	Etemodium - Menou - } ins, two courfes of } oty-four hours each ***	and the same		Penils D.4* 49 0 8. Zannibar D.6* 35 0 8.
		Rhapton River Rhapton men polis of Br	10-	Paté Sio Ampon Lamo D. 12 50 0 S. Melimia of
	Rhapta, two day's fall	baria	700 5	Marmal and 2° 35 o S.
75. the but	= 1480 miles, divided by other of Roman miles in	(Rhapten, pro:	m. 8" 20" 12" S.	Outles and Cape 8" 30 o S. Delgado, lat.
The real	ove 19 degrees, 55 miles. dillance from Gardefan is Iomewhat more than			the author.
20 deliteer		Menouthina Prafum *** Head of the Nile	11 30 0 8 15 30 0 8 15 0 0 8 11 30 0	Mulagafear? Mulamhique? 157 o o S.

the marketing To exist of exposure por color with grains destribute rather. Problem is 5.5.

ets Proform, from Profes, grant. Marcian, Heren apud Hodfon, p. 16.

N. B. At page 126, more 147, the change of Arlmann, imputed to Mr. Coffilin, is not founded, and I take this appertually of excelling the imputation, as the correction was too late for the profit.

Offervations on the foregoing Table.

It it were at any time allowable to build on the measures of an ancient journal, it might be prefumed that the prefent inflance affords grounds for it, juffithable in an uncommon degree. The latitude of Gardefan, according to d'Anville, is " 11" 45' o" N. and that of Quiloa 8" 30" o" S. " making 20" 13', where the Periplis gives 19" 45', an approximation never to be expected in estimates of this fort, and liable to inspicion merely on account of its correspondence. But let it not be imagined that Quilea or Cape Delgado are affumed for Rhaptum from the diffunces of the journal, because, if they cannot be supported by circumstances, they may juffly be abandoned.

Whatever may be the corruption of the text in Eitenedicmmenouthefias ", all the commentators, with common feafe in their favour, are agreed, that the latter part of this ftrange plurifyllable points out the illand Menuchias; and the infirages greatly prevail in favour of making this island the Zanguebar of the moderns. Now there are three iflands almost in a line, Pemba, Zanguebar, and Monfia, placed between latitude 5° 30' o' and 9' o' o'. All their islands lie (as the author affects of his Menuthias,) about three hundred fladla or thirty miles from the coult, and there is no other island in the whole range from Gardefan to Quilea, which answers to this description, but these three. One of them, therefore, doubtlefs is Menuthias; and as Zanguebar is the centre, the most confpleu-

ATT 10 c o ali. 479 Sm infra and Appendix No. III. 77 127 0 0 allic 4511%

cus, and the one which gave name to the coaft in all ages", it is with great juffice that we should give this the preference. Two additional circumflances confirm this; the Pyralian illands are two thousand stadia previous, and Rhaptum one thousand stadia subfequent. Neither of these distances are inconfisient in, if we assume Mombaça for the Pyralaan ifles, Zanguebar for Menûthias, and Outloa for Rhaptum: and that we may affign the Pyralaan islands juffly to Mombaça there is great reason to believe; because they are evidently close to the continent, and not at thirty miles diffance like the other three; and because notice is taken of a new cut or canal, which intimates the continent in its vicinity, and cannot apply to an island which lies in the open fea. Add to this, that Mombaça is on an ifland in a bay, feparated by a very narrow channel from the main, and we have then a circumstance parallel " to the new canal of the journal, a work which might as well have been executed for protection or convenience by the Arabs who

179 Prolemy's Zengife is the first inflance of the name. Zingi, or the coast of Zingi, is found in all the Oriental writers, and Zingibse in Macco Polo. Zingins are blocks or Cufres, according to the Universal History, vol. xii, and Zanguedan the Calm coast.

They would fait better with Moufathan Zaugmeber; but the reafon for preferring the latter is flated bere, and will be confidered more at large prefeatly. N. B. Dustre de Lemos, in 1510, landed at Zaugmebur and drove the natives to the same ar; a proof that it is not a low bland at Merchahies is deferibed by the Periphbe Paris, L. p. 178.

*** Caffinests foresks of Montage us on illand hard by the firm hand, p. 22. Oforing fays, it is on a high rock with the fea simple farrounding it, vol. i p. 60. May not along have been done away by a cut of this fort. Faris calls it an illustimate by a river which falls into the fea by two mouths, vol. i. p. 41. See the illustimated in a Porruguele map, Melchie. Theymore, vol. i. part a. It is joined to the continent at low-water by a causey. Marmol, lib. x. p. 150. Fr. Ed. and the Universal History writer, "The city was once "a pennafola, but hath force been made as "island by matting a canal through the c"lithmas." Vol. xii. p. 341. This communitation might with equal propriety, and on equal grounds, larve takes place in the age of the Periplits, for the fecurity of the ancient Arabian fettlers as of the modern.

fettled there in those early ages, as by those whom the Portuguese found there, three centuries ago "...

It now remains to be observed, that the preceding table manifelly proves the correspondence between Prolemy and the Periplus. The names of the places differ little, and both accounts terminate at Rhapta; for the Prafum of Ptolemy is not ranged under his detail of this coast, but is introduced in another chapter incidentally, bounding over feven " degrees at one flep, without the intervention of a fingle circumstance or place. This Prasum he has by his own confession fixed from conjecture only "; and this, with his Menuthias, clearly dilline from the Menuthias of the Periplus, will be confidered in its proper place. I must now add, for the credit of the Periplus, that it carries that appearance of confillency with it, which would naturally attend it, if compoled by a voyager from his journal, while the catalogue of Ptolemy is by no means in harmony with his commentary ".

AZANIA, Coalt of Alan.

The Periplus is entitled to no fmall thare of praise for the accuracy with which it defines the limits of the territories on the coast from the firaits of Bab-el-Mandeb to Rhapta; and this is the more remarkable as the demarkation of Ptolemy is not confident with the natural

divitions

[&]quot; Mombines was taken by Almayda. c. 17. where Opone is fix days' fail from Pr-All Rhomon From S' no as Pratirm, nopros or Panda, while the lexitude differs but 15° 30 0 ... lifters minutes, at p. 111. Marries, his copyill, the Sec lib. i. c. o. was to feelible of this, thus he has not sen-Compare lib. iv. p. 112. c. 7. with lib. is unred to give the fludia on this coult. See infra.

divitions of the country. The Avalitick gulph terminating at Mount Edeplant, he flyice the coast of the Troglodytes, but the Periplus reffrains this appellation to the country that forms the margin of the Reil Sea, and terminates at the firsts; and from the firsits to Cape Gardefan, the anthor calls it Barbaria", corresponding naturally with the limits of the modern Adel. At Gardefan, the kingdom of Aden " commences, the coast of which is styled Ajan, in perfect harmony with the Azania af the Periplus. But Ptolemy, who commences his Barbaria at Mount Elephant, carries the fame appellation down to Rhapta, which he calls the metropolis, and confequently removes the commencement of Azinia beyond the boundary which is in reality its termination. The Periplus, it is true, extends this title beyond the limits of the modern Ajan; for the coast of Zanguebar commences with Cape Baxos, or at farthest with Melinda, while the Peripius carries on Azania feveral degrees farther to Rhapta; by which it appears that the author was not informed of any change in the name to the utmoil extent of his knowledge.

There are, however, divitions of the coaff and boundaries fixed, which appear correspondent to those which the Portuguele found upon their arrival. These are preserved in a manuscript map of Bertholet's ", inferted in Reffende, and throughy confirm the opinion that the author of the Periplus deferibes rather what he law himfelf than what he collected from others.

[&]quot; Barbaria is the constant term of Al. the Universal History. once the Margillan of the ministra.

⁴⁴ An magmary amydom, according to Indianarum imperium faciebat.

Edville and the Oriental writers. Burbara 180 Bertholet dates one of thefe maps (for is fill a town on this coult, and so all uppears there are feweral by him) 1635, and writes, Perrus Berthelet primiim Colinographicum

The first division of Bertholet comprehends the tract from the bay threecoding Cape d'Alfui to Cape Baxos, answering nearly to the Opône and Apôkopa of the Periplus.

> Cape de Gardafai - Gardefau - Arômata, Enceada de Belha - Beyla bay.

Cape d'Affui - Arfur, Carfur Tabai.

Odelerto:
fainthe Mix.
perhapa for
Defere, the
Defere
Coalt.

Os Bodios.

Punta dos Baxos - Shoal Cape - Apókopa, Noti Cornu.

The second division takes the general name of Magadoxo from the principal town, and answers to the Little and Great Coast of the Periphis.

	Os Balaros Bandel Velho	-	- 37	} Little Coaft
Magadoxo	Magadoxo Mariqua	*		Great Coaft. Effina of Prolemy.
	Brava -			

The

The third divition is by iflands and rivers all the way, corresponding exactly with the number of seven rivers, as stated by the Periplus.

```
Boubo, Rio 1 12.
                                (Confl of Zanguebar 2 Serapion ?.
           Jugo, Rio 2.
                                    and Melinda
           Camac
           Tumao, Ilha,
           Sangara, Ilha.
           Tema, Uha.
           Guafta.
Islandsand
           Mane, Rio 3.
Rivers
            Quiami, Rio 4.
             Punta da Bagona, Rio 5.
Pattè
             Empaça.
            Patte, Rio 6.
           Mandaro, Rio 7.
           Lamo.
           Jaque.
```

Zanguebar is a native appellation given to the coast from the island of the same name. It is noticed as early as the two Arabian voyagers and Marco Polo ***. M. Polo calls the coast the isle of Zamzibar, and gives it a circumference of two thousand miles, evidently applying it

100 The iloubts which were entertained con. Folkes, and other very learned mencerning the authenticity of the voyage of thefe

Arabians, published by Resaudes, have been fully cleared up. Thrusiginal has been found in the Royal library at Paris, the exiftence of which had been confidently denied by Martin Folkes, and other very learned men.

^{**} It is fruitle's to allot Serapion or Nicon to my particular name; but the correspondence of feven rivers in the ancient and modern account is highly remarkable.

to the then undiscovered country of Lower Africa. In the two Arabians and other Oriental writers we read the same name given to this tract, with the title of Zingis or Zingues applied generally to all the Inhabitants of the eastern coast of Africa.

The first trace of this word is found in the Zengisa of Prolemy.", which he places at Mount Phalangis on the coast of Ajan, answering, as far as I can discover, to the Morro Cobir of the Portuguese. It is possible that the commencement of Zanguebar and of the Zingis was placed here by the natives in that early age, or that the influence of the title extended so far. Of this, indeed, there are no traces in the Periplias. I suspect Menuthesias, the term used in that work, to be equivalent in its application to the extension of the modern title of Zanguebar, from the island to the coast.

OPONE

XIV. AFTER these general illustrations we are now to proceed to the particular places on the coast; and the first of these is Opone, which is honoured with the title of a mart " both in Ptolemy and the Periplus. The distance assigned from Tabai of sour hundred stadia, or forty miles, makes it correspond sufficiently with Ban-del-Caus, which is a bay, or, as its name implies, a port ". Opin is a

rein for Caffrees, and the diffinition between them and Ellabeth, Abylinians. India. Literata Valennia, p. 385. Kinforals, Cofari, Caffres, are in most Oriental writers distinguished in the fame summer, and confidered as Zinguia, opposed to Abylinians and Arabs. There is a hillory of the Zingi by Navairi an Arab, in the Royal Library at

Paris Herbelot.

*** Lowing in contradiffication to Cour.

but seed are femetimes laties.

Bander is a corruption of the Perlian Bernier, or Emader. A very modefined term for a part, harbour, road, or landing place. The hay or either the failing in of the land fouth of Daffal, is called Cabe in Referrie and Berthulet.

mame which occurs in the map of Sanfon, inferted in Marinely but whether there be any modern authority for it may be doubted, for Sanfon was not unacquainted with the Periplus, and he may have affigued a place accordingly for the Opône of the journal. The mention of a current fetting round Tabai, or Cape d'Orfni, down this coaff, is in all probability confiftent with the experience of voyagers in that age; but whether this current is confiant or changes with the monfoon, must be determined by those who visit this coaff in different feafons of the year. Stuckius observes that, according to Belleforest, Opône is Carfor, of which he ingenuously confesses his ignorance; but Carfor is only one of the corruptions for Cape d'Orfni, which is written Arfur, Arfar, and Arfni. And as that cape is evidently Tabai, there can be little doubt in fixing upon the next port, Caus, for the true position of Opône.

The imports here are the same as those specified at the anchorages preceding.

The Exports are,

Karria.

"Арини.

Maru.

Δελικά, κρίσσους ε΄, έσ Αιγυπτοι προχωρέι μάλλου.

Χελώνη πλείς η η διαφορυτέρα της άλλης. Cinnamon, native.

Fragrant gums, native.

Cinnamon of inferior quality.

Slaves of a fuperior fort, and principally for the Egyptian market.

Tortoifeffiell in great abundance and of a superior quality.

The

The feafon for falling from Egypt to all thefe ports beyond the ftraits", is in Epiphi, or July, and there are many articles of commerce regularly 's imported here from the marts of Ariake [Malabar ", and Barygaza [Cambay, or Guzerat]; fuch as,

ETTOS.

Corn.

ChouLa.

Rice.

Bernes ""

Butter, glice.

Exercis Spragarous

Oil of Sefamum.

Officer for meaning is a way ware

Cottons, coarle and fine-

ZHIE

Hepitaguara.

Safhes.

Mike to makausson to herousers. Honey from the cane called fugur. FEXXUE.

Many vellels are employed in this commerce expreisly for the importation of thele articles, and others which have a farther deflination, dispose of part of their eargoes on this coast, and take in such commodities as they find here in return.

This patfage I have rendered literally, as containing one of the most peculiar circumstances in the ancient commerce of this coast.

TO STATE OF THE PARTY OF THE PA Set Periplia, pp. 5. 8. Thimps. company.

^{*28} Emile a trimely, collectority,

[&]quot;" Malabar is proguity the coult house down towards Cape Comming but the whole western coult taken this many generally. Arishe is confined to the part between Gazeria and Bombay.

[&]quot;" Gher or butter in a half figure thate is the butter of the Indiana.

an article of trude from all the western court of India, to the Mckenn, to the Guiph of Pertin, and the court of Africa. In India is forms a part of every facrifice, and almost of every meal a in its its much request as oil among the Greeks. Some traveller has remarked that the talle for greats is univerfid. from the whale blabber of the Greeningters to

It munifelly alludes to an intercourie, totally diffinel from the navigation of the Egyptian Greeks, carried on by the native merchants of Guzerat and Malabar, with the inhabitants of the coast of Africa, whom we shall presently find to be Arabs; it speaks of this intercourse as established ", and that seemingly previous to the appearance of the Greeks in the country; and when it is immediately subjoined, that there is no potentate who has an extenfive influence, but that each mart has its own peculiar fovereign ", it prefents a picture both of the trade and country identically the same as the Portuguese found them after an interval of fifteen centuries.

I cannot contemplate this portrait without indulging my imagination, in supposing that the East India trade existed in this form, as long before the interference of the Greeks, as it continued after the destruction of the Roman power in Egypt; and that the nature of the monfoons was perfectly known to the inhabitants of the two opposite coasts, as many centuries before it was discovered for the Greeks by Hippalus, as it continued afterwards till the arrival of Gama at Melinda.

APOKOPA the Left, APOKOPA the Greater,

XV. FROM Opone the Periplus conducts us along the coast of Azania, tending ftill more to the fouth west, to Apokopa the Lets and the Greater. The diffance is fixed by a course of fix days,

ought to be fuch, if thefe tribes had been to Toping the, Al Edrille mentions the upon the coall for fix or fever hundred years

of the last Arabs on the court as speaking a different before he wrote, as it evidently appears from language from that of Arabit, and unknown the Periphia that they were. to the Arabs of his age, p. 24. The fact

equal, by estimation, to three thousand stadia, or three hundred miles, without any notice of an anchorage or a marr; without mention of any article of commerce as delivered or received; even in this a resemblance is preserved with the modern appearance of the coast, for our maps are as barren as the journal, and it is probable that the want of water on the shore, mentioned by Readlieu and other voyagers, has condemned this tract to sterility and desolation in all ages.

Prolemy mentions Zengifa next to Opöne, and places it in the fame latitude with a Mount Phalangis, to which he affigus a three forked head. This character is indelible; and the observation of any voyager who may vifu this coast will correct my error, if I am militaken in allotting Zengifa to Bandel d'Agoa, and Phalangis to Morro Cobir. I find no other mountain on the coast of Ajan; and the correspondence of Apokopa the Less with the Apokopa of Prolemy, as well as Apokopa the Greater, with his Southern Horn, gives such an appearance of consistency to both authors, that it confirms me in the arrangement I affirme.

Answering to Apókopa the Lefs we find a Zorzella in the maps, though we have nothing either in our ancient or modern accounts to determine the relation; but the Southern Horn is manifeffly a cape: it is noticed as such by Ptolemy; and the obscurity or corruption of the Periplus, which intimates an inclination to the south west at Apókopa, (however dubiously applied to the cape or river,) still proves a connexion between this place and the Southern Horn. Both also commence the following step with the Great and Little

Stuckies, p. 50. expedies the fame. All's in the Peripide points out the New areas opinion, and concludes that the mention of of Ptelemy.

Coast; and confequently, as far as we have proceeded, both are confiftent with our modern accounts and with each other.

In fixing this Southern Florn at Cape Baxas, or the Shoal Cape of the Portuguele, I am not only directed by d'Anville ", but confirmed by the detail of the coaft. And that the Periplus means Apokopa for a promontory is clear from a previous paffage, where, when it is stated that Cape Arômata is the most eastern point of all Africa, it is peculiarly marked as more to the east than Apókopa; a certain proof that Apôkopa itself is also a promontory; and if so, there is nothing within diffance north or fouth, which can answer to it, but the Southern Horn of Ptolemy, and the Cape Baxas of the moderns. The mention of a river " here by the author is the only circumftance for which we find no equivalent in the modern accounts.

It is worthy of remark, that the termination of ancient knowledge on the western coast of Africa was a horn as well as on the eastern; the western horn "is a limit to the voyage of Hanno, and the geography of P. Meia, as this Southern Horn formed the boundary of the eaftern coast in the age of Strabo . But discovery had

on Goog. And only iii, p. fa.

to a degree.

Southern Horn; but by Mela, Hefper Cornu-

Trinical operate in marking mine of Nin Kipe Small. Ilb, 201 14 774 "The " Southern Horn is the left promontory on this " could." But it is not quite certain that the Southern Horn of Sembo is the fame to Prolemy's, us he mentions it in one place so next but one to Mount Elephant, and in that cafe it would be Aromata ; he has the names of foveral places from Artemidorus, correspondent in

fome fort with those of the Periplia, which "" The pullage itself is apparently incorrect: prove, that if is the time of Agus brothides the seffels from Egypt went only to Protemain This is fometimes also called the Theron they pailed the firmits in the time of Aromidarus

> Axis on State member Nile = Nile Prolemann. Daplmus = Dachmons. Litianotrophus prom. - Alamai? Asomatophurl = Aromata? The mention of feveral river also with Muunt Elephant, &c. &c. proves the exillence of a trude here and a knowledge of the enalt, but it in not dillioch.

> > advanced

advanced to Rhapta before the writing of the Periplus, and to Prafum in the time of Ptolemy. By comparing this progress of knowledge, it seems as well ascertained that the author of the Periplus is prior to Ptolemy, as that he is posterior to Strabo.

AUTAAOE MIEPOE, AITEAAOE METAE, the LITTLE COAST, the GREAT COAST.

XVI. WE come now to the two last divisions of this navigation. The first diffinguished by a course of fix days, and the latter by one of Six days are attributed to a tract called the Little Coaff and the Great, on which not a name occurs, neither is there an anchorage noticed, or the leaft trace of commerce to be found. We are not without means, however, to arrange these courses, as during the last divition of feven days a river is specified at each anchorage, and we can discover precisely the part of the coast where these streams begin to make their appearance. The intermediate space, therefore, between Cape Baxas and this point must be attributed to the Little and the Great Coalt; and the termination of it may be fixed at the modern Brava, which corresponds sufficiently with the Essina of Prolemy. Effina he places under the line, and Brava is only one degree to the north of it; and though little is to be built upon his latitudes, it is remarkable, that his error is greatest at the commencement of the coalt, and diminishes in its progress to the fourts. At Gardefan it is near fix degrees, at Cape Baxas it is little more than two, and at flrava it may, by proportion, be reduced to one.

But there is another method of reducing our conjectures to certainty; which is, by taking a proportion of fix to feven; in which cafe, if we fix the termination of the fix days' fail at Brava, the conclusion of the remaining feven coincides precifely with Mombaça, the correspondence of which will be established by a variety of deductions, so as hardly to leave a doubt upon the arrangement.

Within the space which is allotted to this Little and Great Goath, amounting nearly to five degrees of latitude, we find only one place noticed on our modern charts, which is Magadasho I dare not say that this has any relation to the Megas ... of the Greeks, but I recommend it to the enquiries of the Orientalists; for Ma and Maha signify great in the Shanskreet and Malay, and in this sense most probably enter into the composition of Madagascar in the unigbourhood. Of Magadasho ... further mention will be made hereafter; but except in the existence of this place, our modern charts are as harren as the Periplias; even in the absence of information there is a resemblance and correspondence; and as the following division is characterized by seven rivers, which are actually found upon the coast at present, there cannot be an error of any great consequence in assuming Essina for Brava ..., and terminating the Great Coast of the Periplis at the same place.

SERAPION, NIKON, the SEVEN ANCHORAGES at SEVEN RIVERS.

XVII. The divition we are now to enter upon requires more confideration, as we are approaching to the limits of the journal;

Monadellon by the Arabick authors, Magadays and Monadellon by the Arabick authors, Magadays and Monadellow in the chartes.

from down this could be Professor but I all

the Greeks translated, but that they cought at a refereblance of found; but it is very possible that Magazintho is of a much later date.

Manufaction by the Arriva Lane Second Differentian, ed. Le Grande.

Stuckins samilant Edina as the place

the boundary of his differency, when he was from down thus could by Ptolamy, but I find an authority for this affection. According to Disdowns, (vol. i. p. 209, ed. Wel.) Asillan does not from to have gone beyond the Bay of Zeyla or Gaulatan, and even that is conjecture. If he had reached Effina, Straho would have proceeded as far, but he dops at the Southern Fiorn. See lib. 271, p. 774 fishmas. Plin. 22, p. 1183. Stacking, p. 20.

and more especially as I am obliged to diffent from d'Auville, which I always do with diffidence, and which I never do without compultion, or from the imperious necessity of the circumstances described. Their feven rivers, or even a greater number, cannot be a fiftion. They may be feen in Bertholet ", in d'Anville's own map, and every good map of the coast; and they are the more remarkable, because from Cape Gardefan to Brava, a space of more than seven hundred and fixty miles, water is found at only three places ", as far as I can discover. Among the number of these streams must be comprehended the mouths of the Quillimance, or Grand River of d'Anville; it falls into the fea not far from Melinda by three mouths, or perhaps more, and in the illands formed by the division of the fiream, or in their neighbourhood, we find Pate, Sio, Ampaca, and Lamo, obfcure places, where there was fome trade when the Portuguele first discovered this coast "1. Here d'Anville places the the Rhapta of Ptolemy and the Periplus, neglecting altogether the Pyraláan illands and the Meniahias of his author ", and not observing that Rhapta must be two slays' fail to the fourh of the latter. My own defire is, to affirme thefe spors furrounded by the divided fireams of the river for the Pyralana illands", and to make up

100 I howetimes thick that d'Anville in this loss followed Marsund, who places Rhapes at a river occo Mellinda, that is, the Ohil or Quillimance, tile x p. 145, Sec and p. 228.

[&]quot; See theet at MSs of Refferille, Beit, Mul. It is not pretended that the feven sucharages can be differilled to the leven room, but there are fives rivers or probably more, and the general picture of the react is all that is continued for an true.

hazas, at Dours an observe stream where or and Bundel wijo, and at Magnilation

THE Googs Ancience, val. iii p. 64-

give fame particulars of these illands, which have assumed the research of the authors of the M. Darverfal History. Lamo, Ampaga, Petrand Cio, lie at the different of the Ohillar Quantumos, in latitude 2. 4 2.2. The govern-

the number of the feven rivers with those separate streams which occur previously on the coast. The great river which forms these islands is called the Obil "by the Portuguese: they failed up it for several days, and describe it as a magnificent stream; it possibly derives its origin from the south of the Abyssinian mountains, as the Nile slows from the northern side, and perhaps gives rise to a geographical sable of Ptolemy and the early writers, who derive the source of the Nile from a lake in the latitude of fixtuen degrees south."

The two first anchorages of the seven are called Scrapion " and Nicon ", both in Ptelemy and the Periplus; and it does not appear clearly from the text of the latter, whether they are to be reckoned inclusive or exclusive. I have taken them separate in the preceding table of the coast; but if they are to be included in the number, two days' fail, or an hundred miles, must be deducted

ment of all was in the bands of the Mohamesinm, but there was a Postugueis custom hoose at Pare. Vaice de Cama and made the condof Africa at Park on his return from India-Shops were not inflered to worth here, much the mornions presented them from getting to Manhings. The government maintained three shinified Moore at foldlers. Cio bad fix hundred, and was a piratical flate. Ampaça had fifteen hundred, was tributmy to the Portagarie, and much stracked to the ention-Their were divided by different hunches of the river, but Lame was more splendid than the others, had a king of its own, and fifteen bandred Morrish troop a. It was tellutary to Portugui, but no Portuguese refilled in the city. The trade of all their places confilled in dittes frilling goen, and providence.

Parbole, &c.

*** Plalemy in 12" 50'0" ver 13" 0'0".

Whatever doubt may arise about Nicon, from the fluctuation of orthography, there can he no hafted ion in allowing that Scrapion mail. he the same of in Egyptian, or an Egyptian Greek. Voyagers of this fact frequently goes their names to pure first risked by them, or had this honour conferred upon them by others. thus we have, in Strabo, the alture or parts of Pitholous, Linhas, Dythangelas, Leon, and Charmotrus, on the cost between Mount Elephant and the Southern Horn, Strake, lib. seri. p. 76g. et feg. from Artermidorna. Clean mentions & Scrapion as a geographer who committed Entalthenes. May be not have been a navigator on this couff? or might est a piner have been to moved in honoire of him by a manigator? See Epill, ad Atticum, lib. ii. ep. 6.

" Ptolemy writes Niki and To Nike 1 is in may a variation of orthography.

from

from the total, a difference far more excutable in an ancient journal than a modern one.

These names, evidently derived from the Greeks, afford no means of finding an equivalent for either, but in regard to the seven rivers and anchorages, our evidence is complete; this intimation the reader is requalted to accept for the present, till we can present him with particulars from the discovery of the moderns. The general character of the coast is clearly marked by the actual existence of the rivers, and the termination of the seven courses at the Pyralian islands, points to Mombaça almost to a certainty.

MOMBACA.

XVIII. The preference due to Mombaça is founded upon a variety of combinations. It has been noticed already, that by the two divisions of this tract from Apōkopa [Cape Baxas] to the Pymlian islands, the proportion of fix days fall to feven would direct us to Mombaça, and it must be observed now, that two hundred miles fouthward would carry us to one of the three Zanguebar islands, and another hundred miles added to this would conduct us to the neighbourhood of Quiloa; these are the distances of the Periplus to Rhapta, and at Quiloa or Cape Delgado must be fixed the limit of discovery in the age of the author. In treating of this limit, Quiloa will be generally assumed as more conspicuous, as it is a place of importance, and us it is the feat of an Arab government, certainly more ancient than the Periplus itself.

Let us now confider the peculiar characteristicks attributed by our author to Rhapta. The place, he fays, has obtained this name

which fignifies to feee, and was applied to this place because they found here vellels not built like their own, but small, and raised from a bottom of a fingle piece with planks which where fewed together."

[with the fibres of the coene,] and had their bottoms paid with some of the odoriferous refins of the country. Is it not one of the most extraordinary facts in the history of navigation, that this peculiarity should be one of the first objects which attracted the admiration of the Portuguese upon their reaching the time coast, at the distance of almost fifteen centuries? They saw them first at Mosambique, where they were called Almeidas, but the principal notice of them in most of their writers is generally stated at Quiloa, the very spot which we have supposed to receive its name from vessels of the same construction.

RHAPTA

XIX. "The inhabitants here are men of the tallest stature and "the greatest bulk", and the port is subject to the sovereign of "Maphartis", which is in Yemen, lying between Moofa and the "firalts;

within the ferral with the ter

or date of conquell, as Arable prime, Arabia from the author observes fully, that this light belongs to a later age than what I afformed to the reign of Glandian.—To the I norwer, that this Rooman never had any province at all to this part of Arabia. They ravaged the coall it is true, as they raned cheen, not they tolded a reduce a sariy as the reign of Chadlan, as appears by the account at Phoenical freadman, and so after the Portugues of the

Ava. A electroflunce noticed allo by Capt.
Regulies near Cape Gord, fun.

Signal II with early to from applied Apr.

What is must by it trettring position. Agetion, I dare not pronunce. Dodwell toppolice it to relate to the Reman cultum of the allog pravious according to their presenting

" firaits"; befides this power of the king, the merchants of Moofa " likewife exact either a tribute", or demand cultom; for they " have many thips themselves employed in the trade, on board of " which they have Arabian commanders and factors " employing " fuch only as have experience of the country, or have contracted " marriages with the natives, and who understand the navigation " and the language." This mixture of Arabs, Mestizes, and Negroes prefents a picture perfectly fimilar to that Icen by the Portuguese upon their first arrival; and except that another race of Arabs, of another religion, had succeeded in the place of their more barbarous anceftors, and had carried their commerce to a greater extent, the refemblance is complete.

The Imports here are,

TROUBLOGIEST & MESOR.

Richuson.

Mayaina.

Abyzer more represented a rowners was Javeline, more especially fuch as are actually the manufacture of Moola.

Hatchets or Bills.

Knives.

formal could where they had not an inch of territory; but the Romans never had a proviner on this part of the cook of the Red Sen, or on the occus. If they land an Arabia prima and fermits, their mult have been in Petron, South of Jorden. It is for this water, I think that tretters has no relation to a Loris corn. her belongs to Yemrs, the fell and priminal thate of Armun Kelly, the sing of which was Chaemad, with whom the Roman always arented, and Maphar or Mopharence appears

to be a territory under that distion. See Periplan p. 12.

and It is a track in Archive mentioned must to Mo fa, the expited of which is Sauce, if we might he allowed to read this for this, it would be the modern Sana, capital of Yemen, for the Periodos bays, it lies three days inlands hur this is highly stablesse.

the American property with

are Xpermer.

Omerica.

Awla

Ordina.

Aidias Takis whitever ying.

Crown glass of various forts.

And to these commodities we must by no means omit to add a store of corn and wine carried out by the tinders, not for sale, but for the purpose of entertainment, and ingratiating themselves with the natives. This is so truly consonant with the modern system of carrying out spirits to America, and the coult of Africa, that the resemblance should by no means be suppressed.

The Exports are,

Exiges whiterer fores de to Albe-

Ivory in great quantity, but of inferior quality to that obtained at Adoeli from Abyffinia.

Prontegor.

Rhinoceros, the horn.

Redier diafloges pera rie Irdinen.

Tortoife-shell of a good fort, but inferior to that of India.

Naumaies chipos.

The articles of import here are nearly the same as an African invoice at the present moment; and in the exports it is some degree of disappointment not to find gold. For as the sleets of Solomon are said to have obtained gold on this coast, as well as the Arabs of a later age, and the Portuguese, we naturally look for it in a commerce which is intermediate; and the nearer we approach to Sofala the more reason there is to expect it. Our present object, however, is not the trade but the geography.

It has been already flated ", that the measures of the Peripiùs accord with the degrees of latitude between Gardefin and Quilea within five miles ", a diffigreement upon twenty degrees wholly infignificant. But if it should be thought that the measure by a day's courfe is too vague to support the assumption of Quiloa for Rhapta, it may be answered, that in a voyage performed both ways, with the different monloons, and repeated yearly, this effimate may be reduced almost to a certainty; far more to at least than any courses. the Greeks could effimate in the Mediterranean. Ptolemy's objection to this will be confidered in its proper place : for the prefent it is fufficient to fay, that the agreement of the meafures is the first principle for the affirmation of Quiloa; the fecond is, that the peculiarities of the coast coinciding with the detail of the journal all point to the fame fpot; the feven days couries terminating cuch at a river, cannot be applicable to any tract but the coast of Melinda. comprehending the mouths of the Obii, and the termination of their at Mombaca, which is affirmed either as one of the Pyralian illands, or as a place firangely marked by the title of the New Canal. One reason for placing this at Mombaça is, that a canalimplies femething on the continent rather than an illand in the fee. and the Pyralaan illands preceding this feem, therefore, naturally to be the foots enclosed and divided by the mouths of the Ohii, on which Ampaca, Sio, Pate, and Lamo are placed, all mares of later date, corresponding with some of the leven courses of the Periphis. Another reason for alluming Mounbaça is, that it is an an illand in

The See Tibber policies.

She if I have be reconstited while a degree, as the in a man mount the halled as this are even two, the correspondence in community where the characteristic manufactures are the contributions of the characteristic manufactures.

a bay separated from the land by so narrow a channel that it is joined to the main by a causey at low-water "; there is a strong similarity in this to a canal cut, or supposed to be cut; but a third point we may inful upon, is still more convincing, which is, that neither the Pyralian islands, or the New Canal (whatever it may be) are mentioned as lying at a distance from the coast, whereas the next station is expressly noticed as an isle three hundred stadia, or thirty miles off shore.

MENOUTHESIAS

XX. This ifle is the Eitenediommenuthelias of the Periplus 227, a term egregionally thrange and corrupted, but out of which the commentators ununimously collect Menuthias, whatever may be the fate of the remaining fyllables. That this Menuthias must be one of the Zanguebar islands is indubitable 223; for all three, Pemba, Zanguebar, and Monfia lie nearly at thirty miles from the coast, and this character is indelible. Which of the three is may be, should not hastily be determined, but it can hardly be Pemba, which is the first, or most northerly, because, if the first were touched at the others must be passed, and ought to have been noticed; neither would the distances agree, either from the new canal to Pemba, or from Pemba to Rhapta. Zanguebar as the centre and most con-

11) See Appendix, No. iii.

Olarias, tance. If it thould ever be found that Pemba, in its wishing orthography Panila, Pemba, Pemba, Rec. berrs my refemiliance in a mative found or form, to Pyralam, this question Zangue might require matter confideration; but at tima are prefer I can different to fach relation. See after diff.

Stuckness, p. 31-

vol. i. p. 50. Calianeda, p. 22.

antiare to the Zanguel er Illustia, or Zangues might require in their Ranguel er Illustia, or Zangues might require in their tifelf's but it is evident the Pythiana are prefered I can do asset the main, and thate at thirty miles diff. Stuckness p. 31-

fpicuous naturally attracts our attention, and Zanguchar is affumed by Voffins in opposition to Salmalius, Studius, and a cloud of opponents ". Not that we must suppose Vollius projudiced in favour of one of these islands more than another, but that it must be one of the three, and ought to be that with which the distances of the journal are most consistent. The journal is very precise on this head, it gives two "" hundred miles from the New Canal to Menuthias, and one hundred from Menuthias to Rhapta; marking at the same time the distance of the island from the main, and the return of the course from the island to the continent. A reference to the map will now thew that thefe measures agree with the course from Mombaça to Monsia, rather than Zanguebar, and from Monfia to Quiloa. It will be thought fanciful to fuggell a refemblance between Monfia " and Meniuhia; but I cannot reffrain myfelf from the supposition, though I should not venture to fix a polition on fuch grounds. However this may be, I shall now give the defeription of the ifland from the Periplus, and leave it for future navigators to determine which of the two lifends correfronds best with the characters that are noticed; these are, that it is low and woody, that it has rivers, and abounds with a variety of birds, and with the mountain or land tortoife. It has no noxious animals, for though it produces crocodiles, they are harmlets. The natives

To See Lable po 135

tto See Salmif. Thinn. Exerc p 1232. of on to mid a Greek tale of mythology to the Vollins ad Midama Cellinous lib. w. c.S. p. vog. name. There, can be little doubt that Z. sec. total a marry term of the sailed date, but the Greeks surned it into Distrocides at the first slap. Possibly Montis was made Mouthia in the same marries putienty slie some africary might fill he resend from the miles.

4-

[&]quot; Greater correspond of foreign mores than the Greeks there must be, and the helt found that formalled middle to a Clerck, generally but him to find a Greak name, and

whating burness

use the Rhapta or sewen vessels ", both for fishing and extehing turtle, and they have likewife another method peculiar to themfelves for obtaining the latter, by fixing balkets inflend of nets at the interffices of the breakers "", through which the fea retires, when the tide is going out. Thele circumflances, it is probable, will enable fome future vilitor to determine which of the two ifles we are to call Membridas; that it is one of them is demonstrable. There is some reason for thinking Zanguebar is not lose an; whether Monlia is to, no means of information have yet occurred ", and as to the crocodiles which do no harm, I thould have supposed them to be the very large lizards not unfrequent in these latitudes, if I had not observed that the journal, when treating of Zocotora, mentions both crocodiles and very large lizards which the natives eat 18. Crocodiles will hardly be found in islands which cannot have rivers of any great extent or depth.

After these deductions, there is every reason to conclude, that the Menathias of the Periplus is fixed indubitably at one of these two

Zengruber Birds.

ALL The The CHARLES THE TOP NOW.

www When Denrie de Lemos invaded Zangushar is agre, the natives fled to the meanmine. Faria, vol. I. p. 158. But, perhaps, If he on the couft, the iffund may fill be

set The referring to the compa for the form of Moorie, it appears both in Refeede and the modern abacts like a femicircle or horfe bur, ancholing a key on the welless fide, refembling those dands in the South Seas emich Cooks describes us a real rearing its formula above. the bear From this form I conclude it turbe

are Bartana majors this circumillance at the low, which a one of the charafters of Minitions in the Periplina. But I have an politive multivity to depend up. Reflectle first it is the largest alless of the three, and twents-five longurs in length. MS, in the Brit, Minicum, p. Jog, et leg.

120 See Periph p. 171 Tanger congression. But Hirodatin firsthe loning called [- 15] Brands by the name of crocodiles, lib. ii. Selminf p. Seg. Sec atio Laval's Voyage, Planris, volcis p. 703. At Sz. Augustia's lay la Madagateur, le fays, the place was covered with an infinity of large lixeds which have as

iflands,

iffinds, the diffance from the main is fuch as to fair no other upon the coaft; for all the modern accounts concur in giving it at eight leagues, which are geographical, and which, compared with thirty. Roman miles ", approach too nearly to admit of a difpure. This is a point which has employed to much pains to fettle, because the conclusion of the journal, and the limit of differery, depend upon it; for if we are right in Menishias we cannot be mistaken in Rhapta. The diffance from Monfia to Quiloa is as nearly an hundred miles as can be measured, and two days course of the journal is an hundred miles likewife; but we are no otherwife determined to Quilos than as a known place, and from the fupposition that the convenience of the spot might have attracted the natives or the Arabs, to fix a city here in the early ages as well as the later. The journal calls it the last harbour of Azania, and the termination of discovery. The modern Ajan is bounded at Cape Baxos, or as others flate, at the Obii, and the coast from thence to Cape Corrientes, comprehending the modern Quiloa, is flyled Zanguebar; it is this coast which Marco Polo calls the island of Zanguebar, to which he gives an extent of two thousand miles, and in which he is not more miftaken than Ptolemy in his Menúthias, or in the inclination he gives this continent towards the eaft. The Peripins fixes its own limit without monfters, prodigies, or anthropophagi; a circumstance this, above all others, which gives reason to suppose that the author visited it himself "; for the marvellous usually commences where knowledge ends, and this author indulges

ter Stary geographical miles are equal to the definit cognitio, he forgrade incipit forestay for Roman. Callaceda fays, ten licentia. Vol. ad Melans, p. 305.

the same passion as other writers, when he advances beyond the boundary of his own knowledge in the east; but of this more in its proper place. It is our present business to consider the site assumed for Rhapta at Quiloa, with the several circumstances that attend it.

The Periplus always employs the title of Rhapta in the plural, and notices it only as it is a mart or harbour; but Ptolemy has a river Rhaptum on which Rhapta flands, and a promontory Rhaptum more than a degree and a half farther to the fouth. It must be observed, that this is very much in harmony with the actual fite of Quiloa, which is on an island in a bay at the mouth of the river Goavo", with Cape Delgado at the diffance of fomewhat more than a degree to the fouth. D'Anville has affirmed Delgado for the Praium of Ptolemy, in which I should not fo confidently fay that he is mistaken, if I had not proved that he has totally neglected the Menuthias of the Periplus ", the very point upon which all our positions in the neighbourhood depend. But if the Rhapta of Ptolemy and the Periplus are the fame, of which there is no doubt, then the circumflances of Ptolemy apply to Quilea, and to no other place upon the coaft. In this opinion I am not fingular; for Voffius ", as he agrees with me in mak-

an See the Voyage of Thomas Lopez, is Remailed, vol. 1. p. 134. Fra Quillon more e Iz vership e uno firmo. A proof of more ellabilitments than one in this originatorshoods

Prolony to be Zangarbar. But he does not take into his relevation the fite of that iffends as the acceptity there is for Khapta being to the footh of it.

prehar appellatur, hair raim annir conveniunt que veteras de Menuthinde ferillunt, non infule S. Laurentii, que plane ignota fini Geneia de Romania, or plenius alias oftendamus, Raptom vero promontorium ell illust quod Quilos vocatur. Voffina ap. Cellarium. It will be them bereafter in what haife Madagaleur was auknown to the Greeks and Romans. See Cellarius, Ill. iv. c. 8, p. 163.

ing Menuthias Zanguebar, unites also in allotting Rhapta to Quiloa.

PRASUM

XXI. It is now to be observed, that Ptolemy " in going down the coast of Africa, as he has the fame names with the Periplus ", so has he the fame termination at Rhaptum; for his Prafum and bis Menuthias are thrown to the conclusion of his account of Africa, and do not appear to be collected from any regular journal like this before us; but to be founded upon the report of some voyagers who had advanced farther fouth, in the intermediate time which had elapfed between the date of the Periplûs and that of his own publication. But if it follows from this that the Periplus is prior to Ptolemy, to is there great reason to believe, that if he did not follow this journal as low as it went, it was one nearly of the fame age. The hefitation with which he fpeaks about all below Rhapta proves that he had no regular data to proceed upon, and however he rebukes Marimus for error in his calculations, which, if adhered to, would have compelled him to carry Prafum to latitude thirty-four degrees fouth ". he himfelf has a method by no means more efficacious. Marinus, it feems, was upon his guard, and had reduced this excels to 21° 30' o" fouth, or the tropick of Capricorn; but Prolemy objects to this, as flill too diffant, and reduces Prafum to latitude 15' fouth, because, tays he, the people there are black, and the

Africa, cap. etc. talde in.

¹¹¹ Sec Table, p. 135.

thould be nearly the latitude of the Cape of toms this charge is highly curious, and worth Good Hope, latitude 35" 10 0 See Ptol. confutting-

¹th, i. c. 9. The whole of Marinus's error is imported to collecting different by the day's *** It is a semarkable risconditioner that this course of a fing and the chapter that con-

country produces the elephant and the rhinoceres, circumstances which occur in latitude 15" north in Ethiopia, and confequently ought to occur again as many degrees fouth of the equator. This method of fixing a latitude is by no means fatisfactory to Ramufio; for he tells us he was acquainted with a Portugueic pilot who was well read in Prolemy", and who objected very acutely, that if this ground were admitted, the inhabitants of Spain ought to be of the faine colour with the Hottemots; for the flrains of Gibraltar are nearly in the fame latitude north as the Cape of Good Hope fouth. Without infiffing upon this, it is evident that Ptolemy had no data from the journals to proceed on. But when he places Rhaptum in limitude 8" 25 o" fouth ", and Praium in 15° 30 o' fouth on, he makes but one step of seven degrees, without a feature of the coust, or a circumstance intervening, which might enable us to judge whether the voyage had ever been performed or not; but here we find a nation of Ethiopians or Negro Anthropophagi directly.

MENOUTHIAS, of Piolemy.

XXII. It is opposite to this Praisin, but towards the north cast "", that Prolemy has placed bir Menuthias, and at the diffance of five degrees from the continent; for his Pralum is in longitude 80, and his Menuthias in longitude 85". His latitude of Prafum is 13" 30 o" fouth ".

as As probably all the Portuguese plans tedes from the Latin text, from a supposition that it was more correct than the Greek, and of equal anthority; for it is not a translation, but supposed to be taken from an older and hetter Greek copy. A learned friend cov-*** Latin text to . In the Voyage of cretted forms of my swam by calining to the

orne in this age.

^{*} I win test 8" 36 6". 147 Latin tert 137 0 0 1

tot fair Stant Smith

Nearghus I had mken the longitudes and latis. Greek, and advised me to confult it more

his latitude of Menuthias is 12° 30' o". It is from this latitude of 15° fouth, that the early Portuguese univerfally affume Monumbique for Prafium ; and if it were fo, the Menúthias, five degrees to the east, can be nothing but Madagascar. Now it is not necessary to affert that either of these assumptions is true; but, true or false, it is evident that the Menûthias of Ptolomy is different from that of the Periplus. The one is opposite to Prasum, between 129 and 14" fouth ; the other is north of Rhaptum, and is in o' fouth. The one is five degrees, the other is only thirty miles from the continent. Where Prafum is to be placed is an object worthy of inquiry, if there were data fufficient to determine it, as it is the final limit of ancient discovery to the south. I can point out no fitter position for it than Molambique; and if the Greeks did reach that port, they must probably have heard of the great island. The name of Menuthias was possibly assigned to it, as the name of the hall illand known, like Thule in the north, or Cerne on the fouth, for a Cerne is found as the limit of African knowledge both on the western and eastern fide of the continent. Hanno, or at least those who followed him, finished their voyage at a Cerne ""; and Pliny, as well as Dionylius, finds another in the Indian Ocean. One of the first names by which Madagascar was known in Europe was the Island of the Moon, possibly an Arabian interpretation of Men-tithias "; but Marco Polo calls it Madaller, an appellation

of Seyler Cerns was the limit. See Mr. Gof- it. This, as attributed to the antico, may be feliale Breissches, tom. ii on this hiblied, towhole opnous I do not fablerity.

b) It is the med May or elfe I fluided confolder this as certain. The Island of the Island is a term lent to Enrope by Covillians, in his latter to John II. king of Portugal. He frys

"" Hanso went firther ; but is the time this was the same by which the entires ralled doubted; but it is extainly the teem used by the Arnha, so appears from Al Edrello Min. darley, the ment given by M. Pohr, is more like. ly to be the native appullation. The bake Seils puther who conveyed this start to Emple.

which

which it received from the navigators of his age, who where apparently Malays rather than Chinefe; and to that language we should look for the etymology of the term.

XXIII. LET us paufe at this boundary of ancient differery, and examine briefly the opinions of mankind upon the lubject. To commence with our author, nothing can be more guarded or unaffirming than his language. The ocean, he fays, beyond Rhapta, as yet undiscovered, sweeps round with a turn to the west; for as it washes the shores of Ethiopia, Libya, and Africa in their inclination to the fouth west, it joins at last with the Hesperian or Atlantic Ocean, This notion is confiftent with the general fentiments of the ancients on this fubjed; and a variety of authors, from Herodotus to Pliny, not only suppose the communication of the two oceans, but the actual performance of the voyage. If credit were due to any, Herodotus has the fairest pretentions in; he has certainly no intention to deceive, but was deceived himself by the vanity of a nation who let no narrower bounds to their geography than their chronology; whose kings were gods, and whose gods were monfters. The natural propentity of mankind to affert the actual performance of all that is deemed pollible to be performed, is not confined to Egyptians, Greeks, or Romans. The problem of a north eaft or north west passage to the Southern Ocean has been exploded only within thefe ten years; but while it was thought practicable, the pretenders to the performance of it were as bold in their affections as the Egyptians of Herodotus.

^{***} Hand allo fider prociose lapto quam and fathe religious autor califit. Paraw, lib v. p. pn.

As the Aragonauts failed from the Mediterranean by the Palus Meotis", and the Tanais" into the Hyperborean Ocean; or as others are faid to have come from India north about by Tchurfkoi ", and through the Wolga into the Caspian Sea and Hyrcania. So in a more recent age have we an history of a ship called the Eternal Father 155, commanded by Captain David Melguer, a Portuguese, who in the year 1660 ran north from Japan to latitude 84°, and then shaped his course between Spitsbergen and Greenland, by the west of Scotland and Ireland, till he reached Oporto. We have a Captain Vannout, a Dutchman, who affirms that he paffed through Hudfon's straits into the South Sea. Another Dutchman who falled in an open fea under the North Pole, and a John de Fuca who failed from the South Sea into Hudion's Bay. All their accounts have been reported and believed in their feveral ages, convicted as they now are of falfehood or imposibility, and traced, as they may be, to error and amplification. To this spirit of vanity it is doubtlefs that we may refer the Perlian Fable of the voyage of Scylax; the Egyptian boast of the circumnavigation of Africa; the Greeian vanity concerning the same achievement by "Ludoxus and Magus"; and the ignorance of Pliny in carrying Hanno from

W. L. E. By.

[&]quot; The Sea of Aroph and the Don.

Ominista frees See Plany, ith a coty.

[&]quot; Percent's Voyage, rol. E. p. 153. Eng. ed netare.

are The fr who wift to fee the mendacity of Euderus, and the crediffity of Pefidonine

⁽ii) Pliny did not quite think this impollible. Fer in their true light, may confidt Strake, p. 191.

[&]quot;A I am not certain whether Magus he a proper name or mit, but he more of the pretimdes to this characteristics wenties it by Saraha from Polishmins, like L p. 31, feat by Gelo of Syraquic, and enalldered us un limpoliton by both.

Clarthage to the Red Sea, notwithflanding his own journal was extant, which thewe that he never pailed the equator "."

Nothing is more easy than to affirm the accomplishment of these great attempts, where an author clogs himself with neither circumflances or particulars; but whenever we obtain these, as we do in the journal of Nearchus or the Periplus, we find indeed that the ancients performed great things with flender means; but we ice plainly also what they could not do. We fee, with fuch vellels as they had, they could neither have got round the Cape of Good Hope, by adhering to the coast, where the sea and the currents must have been insupportable, nor could they have avoided these by flanding out to fee, as they had neither the means nor the knowledge to regain the shore if they had lost fight of it for a fingle week. It does not appear in the whole history of ancient navigation, that any voyage was performed either in the Mediterranean or on the ocean by any other means than coasting, except the voyages from Arabia and Africa to India, and back again by the Monfoons. It does not appear that there was any fort of emberkation known in the world which was fit to encounter the mountainous billows of the ftormy Cape ". Hillary freaks of no verfels fit for the ocean but thole which

190 Camponium places the Guillas at St. The ensuades the equator, but probably withnut fulligent sullions ..

modfeller afforgit influi totidem montion, recprinciplestim, qui flughus nequaquem frangitus à course many) disferentiar and jurislam Kambulaha non in presince mari fits an 47 Zang (Zangubur permut, mooks funt Mallemin Shai teda. in verticus Gagneri MS, in Baddings Bill.

We have from that there were Arabi, Mahamsdime on the small of Zanguebar, that there was a trade this law from Nealisa or the tuntur. Inquit Al Shriff Al Edeiff thi fluctus. Red Sen, and thur the anxignation beyond was innettemptes!

The fame report which was made to Mr. Polos concerning the violence of the fra Liyoud Cape Common, is to be found in almost all the Oriental workers. In the following quantiles we know the widescoufters. Dedadibus lujos metle ers prories dupenda uni-

which Crefar describes on the coult of Bretagny; and if the Phenicians came to our ifland for tin, affaredly it was a fummer voyage. The vellels of the Mediterranean were unfit for this fervice, not fo much from their five as their built; and if it is observed that Solomon and the Phenicians trailed in the Red Sea, and down the coaff of Africa, perhaps as low as Sofala, it must be conceded, also, that vessels built at Exion Geber could not be large, and that the danger of the voyage, as far as they proceeded, was attended with a terror, that perhaps nothing but the Phenician thirst of gain could have furmounted. This terror Bruce has noticed with much acuteness. The prison, the firaits of burial, the port of death, and the gate of affliction, he remarks, are names given to the marts in the course of this navigation; and if fuch was the alarm upon the mind of the feamen, when they vifited this tract in the favourable fenion of the monfoon, what must it have been if they had attempted to pass Cape Corrientes ", and had launched at once into the ocean which furrounds the extremity of Africa. Cape Corrientes (to called from the violent currents formed by the preffire of the waters through the narrow channel between Madagafear and the main ",) was the boundary of Arabian navigation when Gama first came upon the

constraint of the mountainms feet for Al Edelli, p. 25, et fre, who mentions beyond Sofria. Telesca where there is a hollow mountain, where the writer tolk which draws the mails out of flips. Some other places to the fouth are mentioned, but with great obligating, as Sation, Dandema, Galla, Degutta, and Ome-Onac, the termination of all knowledge on the result of Africa, and indeed of all the geographical knowledge

of the Araba, p. 34. Such is the ascents of Al Edrill, who wrote amo 548, Hegira, or 1135, about a century-before M. Polo, and apparently about 500 years after he de line of the Greek and Roman embouree from Egypt.

Puelle homises abilitiere foliai de lis locie suite vel millos vil cimciiu de regressos. Voltar m Mrl. p. 305-

Marmal describes not only the corrects, but theads, finals, and the mult violent whole that are known. Vol. iii. p. 106. coast; whether the Phenicians, Egyptians, Greeks, or Romans ever reached so far may well be doubted, if they did, the Prasum of Marinus and Ptolemy may as properly be placed there as at Mosambique, but that farther they did not go is certain. The Arabs knew the coast earlier, later, and longer than all of them united; they were settled here while the others were transient visitors, and they had the opportunity of observing the stafons, winds, and currents; and what they did not dare attempt, no nation, unless possessed of superior skill, power, or resources, can be supposed to have accomplished.

XXIV. But from argument let us come to facts, and bold as the prefumption may appear, it is not too beld to affert, that there is no evidence of a farther progrefs to the fouth, on the wellern coast of Africa, than that of Hanno, nor on the eastern, than that of the Periplus. In afferting this, if I detract from the authority of Heródotus, Diodôrus, Ptolemy, Juba, and Pliny, it is a detraction consistent with the most perfect veneration of those great and illustrious authors, for they have all followed the reports of others, while the authors of the Periplus and Hanno speak from their own experience. It is from reports of others that we hear of a Cerne, and a Southern Horn, on both sides of this vast continent. These names were, in the respective ages, the ne plus ultra of knowledge on both sides; and whoever failed, either from the Red Sca, or the Mediterraneau, arrived at these points, as Columbus arrived at the Indias by taking a course directly opposite to Gama. The

Rien n'étoit fi pen avéré chire les auciers, comme on en juge pas Ptolances, que par le Midi. D'Anville, Coog. auxi, tom: inle recis qu' on faifoit de quelques auxignations p. 68.

Southern

Southern Horn of Prolemy, on the caftern coaft, is in latitude 4" 50 o' north, and the extreme point of Africa", is nearly in 35" fouth, making more than thirty-nine degrees difference; the Southern Horn of Hanno, on the western coast, is in latitude 7" north, making two and forty degrees from the fame extremity; but if we take both together, reckoning eighty-one degrees from one Southern Forn to the other, this is a space that Pliny reduces as it were to a point, and confiders the junction of the Atlantick Ocean, as taking place almost inflantly; Juba takes a much bolder flight, and reckens the commencement of the Atlantick Ocean from the Bay of Molyllon, annihilating by this method, if it were possible; the immente triangle of this vall continent ", and bringing his own Mauritania almost in contact with Arabia. The particular attention of all who are curious on this subject is requested to this point, for it is upon conceptions equally erroneous as this, that too many of the ancients supposed the circumnavigation of Africa as possible as the doubling of Malea or Lilybeum. And this supposition of the pollibility produced the belief of the performance. Pliny is felf-evidently chargeable with this milconception, and Herodotus had probably no means of information by which he could form a judgment of the extent of Africa to the fouth.

It is on this ground above all others that we may affert, that the author of the Periplis visited Rhapta in person; he had not heard of Prasum, a proof that the account of it is posterior to his age; he takes no notice of the circumnavigation ever having been accomplished, a proof that he knew nothing of Herodotus, or did not

Cape Aguillus.

Variorum edition of Pomp Mela, by Jr. Great By consulting the map intered in the norms, it will be feet that this is a field

believe his report; and he fays nothing of Cerne, which is a proof that the mistake attending it, commenced from the Mediterranean and not from the Red Sea. That the general tendency of the coaft was fouth west he saw as far as he went, and that it continued so, he might collect from the natives or the Arabs, or he might conchade the union of this sea with the Atlantick, from considering that converging lines must meet. But whatever source of intelligence he had, that he fhould mix nothing marvellous or extravagant with the termination, is a merit that few geographers in the ancient world can boaft.

The facility with which Pliny " carries his navigators round the world is rather magical than false; he annihilates space, and finks continents under the fea. He supposes that the Macedonians in the time of Seleucus and Antiochus, failed from India into the Carpian See, and that the whole Hyperborean Ocean was all but explored " quite round to the north of Europe. The aircumnavigation of Africa is effected with equal celerity; for this was accomplished not only by Hanno " from Gades to Arabia, and by Hudoxus from Arabia to Gades; but long before Eudoxus, Celius Antipater had feen a merchant who failed from Gades to Ethiopia. Nothing can be fo unfortunate as thefe affertions; for we have Hanno's " own account to prove he never was within forty degrees of the cape, and Strabo's authority to prove, that Eudoxus never came from Egypt to Gades by the ocean, but by the Mediterranean; and that full

ST Parsoque herome gram forms, him ant Riose feptentise cruminatum Bad.

Here there.

IN BUILDING

planne, the way a best about as Wilmhad and " analytid the Cana of Good Plans " p. 4. from them, and carealaly as if he did not but

^{· *} This is in contilly admirted by continue inquirers, they Mickle in his translation of the at Placy members the commemory of Lond Livin "Though it is a your that Haum

as his mind was of attempting the voyage, the attempt if made would have commenced from Gades, if he had found protectors to patronize his undertaking "." Of Celius Antipater we can fay nothing, but if he did meet with a merchant who had failed from Gades to Ethiopia, it was certainly not the Ethiopia fouth of Egypt, but that on the western coast of Africa. No merchant or merchant-ship could have performed a voyage which the greatost potentates must have attempted in vair. But the most extraordinary or cum-thance still remains, which is, that there is in this place no mention of Herodotus", or the voyage he attributes to the Phenicians in the reign of Necho. This is the more remarkable as the account of Herodotus has through the semblance of truth, while Hanno and Emboxus never pretended to the honour of the achievement themselves, nor was it over imputed to them by any one who was acquainted with their real history, their struction, object, or designs.

It is with great reluctance that I controvert the tellimony of Herodorus, for it is no light offence to queilion hillorical facts upon evidence of more speculation. It must be confessed likewise, that the facts he gives us of this voyage, though few, are consistent. The shadow falling to the fourth, the delay of stopping to sow grain and seap an harvest, and the space of three years employed in the circumnavigation, joined with the simplicity of the narrative, are all points so strong and convincing, that if they are

and to food of placing it is an early are, that he feet no difficulties in his very and be proceeded to much upon type their than he negligible fillday. He knows to into at the very of Newstern, that he makes him fall along the read of Ariens before I de home, and come up the Gulph of Arabit holland of Perior. See solve, p. 436 and 470.

by Simbo, in cos. 1cc, where he shows the copings to lade, but refules all excite to Endone. Burgaray, [Mid.] before confident would pushe to finding there were many in Engret's which is true, for the at larger perfect and the ladge bad rais had believe The quantum will be examined to Holds IV.

bener is fo fall of in Buff Indle trade,

infifted upon by those who believe the possibility of effecting the passage by the ancients, no arguments to the contrary, however founded upon a different opinion, can leave the mind without a doubt upon the question. That different opinion I confess is mine, but I wish to state it with all deference to the Father of History, and with the profession that I am still open to conviction, whenever the weight of evidence shall preponderate against the reasons I have to offer.

I allow with Montesquien, that the attempt commenced from the eastern side of the continent, presents a much greater facility of performance than a similar attempt from the west; for we now know that both the winds and currents are favourable for keeping near the coast from the Mosambique Channel to the Cape; and that after passing the Cape from the east "", the current still holds to the northward up the western coast of Africa. But the prodigious sea, raised by the junction of the two oceans, almost perpetually, and at every season of the year, is such, that sew of the seets of Portugal, in their early attempts, passed without loss; and the danger is now avoided only by standing to the south "". The latter means of safety could not have been adopted by the Phenicians, they could not stand out to sea; and if, they adhered to the coast, by all that we can now judge from the construction of ancient vessels, shipwreek must have been inevitable.

But to omit these confiderations for the present, let us observe, in the first place, that the actual performance of this voyage stands open a single testimony, and of all the circumnavigations affirmed,

[&]quot; See Forcest on the monitogon, p. to. 13. fallen in with the Lee Islands fo graphically "I In attempting which, feweral thing have deferibed by the illustrious Cook.

this is the only one which will bear an argument. If it took place in the reign of Necho, Heródorus lived an hundred and fixty years after the fact ", and received the account from the Egyptians. That Herodotus did receive the account, must be indubitably admitted. His general veracity is a fufficient voucher. But that the Egyptians deceived him is an imputation which he does not femple to instance in some other particulars, and of which we have the most undoubted evidence at this day. If we take the date of Necho's reign in 604. A. C. "", and allow that he was a fovereign attached to commerce, (as appears by his attempt to make a canal from the Nile to the Red Sea,) it will be readily granted that he must be acquainted with the navigation of that fea, and the commerce carried on there, and on the coast of Africa beyond the straits by his own fubjects, by the Arabians or the Tyrians. The Egyptians had probably the least share in this, but the trade itself is to all appearance as old as Thebes, and the cause of its splendour and aggrandizement. That it was professited by Solomon ", Hiram, and Jehomphat we know historically; and that it was enjoyed in all ages by the Arabians in some form or other, there is every reason to believe from the commodities found in Egypt, Paleffine, and Europe. These causes, and the testimony which Agatharchides beam, that the gold mines on the coast of the Red Sea were worked by the native kings of Egypt, prove that Necho might with to extend his knowledge down the coult of Africa to its termination, and that he might confequently fend a Phenician fleet to the fouthward for that

fion Bhin.

111 Jills seign begins in first, and such in

by Blair about ante Chaift, fe4
Shoredome and his history 445

⁴⁴⁵ pharin 8

plur in seq. Neclin is not you yours later.

Parties and inches

purpole. But that they executed their commission is not quite to eafy to believe. Had this fleet no difficulties to encounter, because we real of none but the want of provisions? Can we suppose the Phenicians to Superior to the Greeks in the art of navigation, as to have no dread of palling the greatest promontary in the world, when Nearchus and his officers thuddered at Musfendon, and dare not attempt Raffel-had? Can we believe that Phenicians who had never croffed the Indian Ocean were bolder mariners than the Arabians, who trufted themselves to the monshons? and yet the Arabians never dared to try the Molambique current, during their neighbourhood to it for fourteen hundred years, while these Phenicians launched into it at first fight? To them the terrors of the flormy cape were no barrier, and the promontories on the western coaft of the vaft continent no obstacle. Were all these which the Portuguefe furmounted only by repeated attempts, and by a perfevering spirit exerted for almost an hundred years, to be passed by Phenicians on their first expedition, and in the course of a few months? Raile them as we please above Greeks, Romans, and Arabians in feience, they were doubtlefs inferior in courage to them all. And whatever feience we after them, the fmallest bark could have been conducted by the knowledge of a Portuguese pilot in greater fafety, than the largest velici ever fitted out of Egypt. Some admirers of the ancients, not content with supposing the execution of fuch a voyage, are willing to give them the means, by furnithing them with the compais, and other nautical inflruments; there, it is faid, were found in the pollettion of the Arabians, at the time the Portuguele first came into the Indian Ocean, and that they were afterwards met with in India and China. The fact is true, but this

this was in the latter end of the fifteenth century, and the compals is faid to have been known in Europe early in the thirtcenth *"; it had therefore palled from Italy into Egypt, and from Egypt to the Red Sea. But this argument, if it could be supported, would effectually contradict the hypothetis it is brought to support; for is would prove, that the Arabians of Moumbique, who really poffeffed these inftruments, had never been enabled by them, nor ever dared to pair fourhward of Corrientes in their neighbourhood, while the Phenicians had actually circumnavigated the whole confinent. Now, if the Phenicians had not the compais, how could they perform what was with difficulty performed by it? If they had it, how happened they to perform to much more by it in an early age than the Arabians in a later? But this queffion has been fet at reft by Niehuhr, Mickle, and fir William Jones, who shew that the Arabian ", Indian, and Chinese compass is formed from that of Europe.

But let us now examine the text of Heródotus. The narrative of this voyage is introduced in a paffage where he is giving the limits and extent of the three continents, and here he fays, that Neco proved Africa to be furrounded by the ocean from the completion of this voyage. One expects, however, to hear of the officer who commanded tit was at least as great an exploit as any which the fabulous navigators had achieved. Scionchofis, the Oriental Bac-

"If Atlantanot, p. 230, from Funchet and the Maleye had in from the Araba, and the Chinese from the Maloys, But the Chinese themsily with the location same years be-Fore the Christian em , and from China Great fay it was brought by Mines Polo, hin he does not mention it himfelf, and it is therefore mail probably a fution.

with thereton

Gaynt de Province.

¹⁹ The Arnhard pame for the compain is Burnda, condently Italian. Concerning the Chamle inflorment there is force able unity but it was to colde a tool that it is limitly warth differling. The probability is that

chus, and Hercules, whatever might be the extent of their victories, peregrinations or voyages, fell far short of this, and they were immortalifed; while among the Greeks, Jason, who failed little more than feven hundred miles, was himfelf worthipped as a hero, and had his thip translated to the sphere. How happened it then that the greatest discovery which the world admits, should confer no honour on the discoverer? The name of Sataspes fill lives in the same page of Herodotus, whom Xerxes put to death because he attempted the fame circumnavigation in vain, from the firaits of Gades; and the following page celebrates Scylax of Caryanda who paffed from the Indus into the Gulph of Arabia, to the point from whence the Phenicians had commenced their expedition. I have as little faith in the voyage of Seylax as in that of the Phenicians; but it is unjust that Darius should suffer the name of the inferior to furvive, while Neco should totally suppress the same of the superior. The great argument against both is the total failure of all confequences whatfoever, the total want of all collateral evidence, and the total filence of all other historians but those who have copied from Herodotus. And in his account the narrative closes with a fentence, which if it were not otherwise interpreted by his most excellent and learned editor, I should confider as throwing a tint of suspicion over the whole ".

The fentence in one view feems to intimate that the Carthaginians had circumnavigated Africa as well as the Phenicians; and if that be its

Africe Atlantico muri afocefia, de Satalpo nibil cos novifice Que dotti vori constitues baiet, quo fe commende, lille ir. 298. But he resulte it otherwise himfelf, and very burildy: Larelus follows Welfeling.

The passage is, Marie II Engagement for he highered by Exchange at Toloring which Passage and which Welleling calls an hariolation, but adds, Carthaginantee suin fundabus defunctoe savigationabus, tentalle oraș

real import, it can only allude to the voyage of Hanno ", which might have been deemed a circumnavigation in the age of Herodotus as readily as in the age of Pliny; and if to, it would invalidate the Phenician account as much as the Carthaginian; for if the Carthaginian voyage were falle, as we know it is, the Phonician could hardly be true.

This argument, indeed, is not to be inlifted on, nor the oblivion to which the name of the commander is configued, but the difficulties of the voyage itself, the want of means to surmount them, the failure of confequences, and the filence of other historians, are objections not to be fet afide without flronger evidence on the other fide than has yet been produced.

But as it is not in our power to prove a negative, let us now examine the politive testimony of other authors in opposition to that of Herodotus. The author of the Periplus fays directly, that the ocean never was explored on the eaftern lide to the point of Africa-Hanno gives no intimation of any one having failed farther than himself on the western side, and Scylax ", who traces the Carthaginian commerce to Cerne, maintains not only that the fea to the fouthward was unexplored, but that it was not paffable ". The last author we shall adduce is Prolemy, who certainly must have

tion of the weeds which obdined the puffige is a circumflance which d'Anville has fried to prove the reality of their Carringinian voyages to the fouth. Such wents do occur, and do impede a thip's way, if the has not rather a halls wind. If the latitude where thefe weeds commence can be determined, it may throw a new light on their voyages of the

^{***} Welling doubts only julie whether the wyege of Hanno is prior to Herodotma. I una offix no date to it, but am not financial with Campomance's data Olym ox. Volins thinks it print to Homer. Straho, p. 48. fpensing of the African voyages of the Cartlegimann fays, March to Tourse or ter.

^{***} The work which bear life name.

Though this is not true, yet his men- Carthaginians.

been acquainted with Heródotus, however ignorant we may suppose Hanno, Scylax, or the merchant of the Periplus. And Ptolemy is so far from believing the report of Neco or the Egyptians, that he not only supposes the voyage never performed, but declares it impossible; that is, he brings round the continent of Africa unbroken with a sweep to the east, till he makes it join the continent of Africa to the eastward of the Golden Chersonese.

False as this hypothesis may be, it is still a contradiction direct to Herodotus; for though it proves that he was himfelf ignorant of every thing beyond Prafium, it proves likewife that he believed all pretentions to a progress farther south fabulous; and that where all knowledge ceased he had a right to an hypothesis of his own as well as others. D'Anville supposes that Prolemy assumed this system from the prevailing idea among the ancients, that there ought to be Antipodes in the fourh, correspondent to those of the northern hemisphere. Perhaps also a counterbalance of continents was as favourite a notion in the early ages as in modern. But however this error originated, the conclusion of d'Anville is remarkable " : " Nothing," fays he, " was left afcertained among the ancients, if we may judge " from Ptolemy, than the account of fome voyages which were faid-" to have been effected round the continent of Africa by the fouth." And parallel to this is the opinion of Vollius": "Certain it is, " whatever may be faid to the contrary, that the ancients were for " far from palling the Cape of Good Hope, that they never ap-" proached it." Both their opinions are likewife supported by Strabo ", who fays, " that all who have attempted this mavigation " either from the Red Sea or the Straits of Gades, have returned"

⁹⁴³ Geog. Ancien. tom. iii. p. 68. *** Volling of Melam, p. 303 *** Lib. L.p. +z.

[without effecting their purpose]; and yet Strabo, while he afferts this, is as perfectly affored that Africa was circumnavigable, as Herodotus. In giving these opinions of Ptolemy, Strabo, and d'Anville, I feel myfelf supported by the greatest authorities ancient and modern; it is hoped, therefore, that the argument here affumed will not be thought prefumptuous, more particularly as it derogates not so much from Herodotus, as from the information he received in Egypt.

PTOLEMY

XXV. It has been already shown by the table [p. 135.] that there is a general correspondence between Ptolomy and the Periplus, and their difagreement in particulars is not imputable to the authors themselves, but to the age they lived in. In that age the geographer did not navigate, and the navigator had no frience ". The geographer reckoned by degrees without objervation "; the navigator reckoned by his day's course. Modern navigators correct their dead reckoning by observation; but in the early ages science and practice had little connection : and yet to far from their being any charge of error or negligence in this, that it is exactly the reverse. We are not to condemn the mishikes of Ptolemy in longitude or latitude, but to revere the frience, which applied the phenomena of the heavens to the measurement of the earth. The navigater of the prefent hour is conducted on principles first established by

his britishes from fimilar productions in the

We Pinlemy, life is co. tells or expectely opposite hemilpheres.

ate Every Gamma knows that his shad that he had no accounts to be depended on, we reckening amounts to authing till it is one any a receive irgin, and therefore collected refled by ablervation.

Prolemy. The errors of his maps can no longer millead, while his principle must be of the same duration as navigation itself. I call the principle Ptolemy's, because he fixed it and brought it into use, Thales and Anaxagoras knew that the world was a iphere. Eratofthenes drew the first parallel of latitude at Rhodes, and first measured a degree of a great circle upon the earth; Hipparchus taught that the measurement of the heavens was applicable to the earth. And Dioscorus and Marinus are both faid by Prolemy to have delineated maps: on principles fimilar to his own; though we may judge what their were, when he fays that Marinus had the latitude of fome places and the longitude of others, but fearely one polition where he could ofcertain both. But if Protemy objects to the method of Marinus, we are compelled to object to the method Prolemy used to correct it; for he fays, that in going down the coult of Africa, Marinus reckoned by the days' course of the voyagers, and finding these carried Prafum to 35" fouth, he thorrened the effimate, and placed that promontory under the tropick of Capricorn. He then enters into a long argument to prove the infufficiency of this standard, and forms another for himfelf, by confidering the productions of nature as fimilar, at equal diffances, on both fides the equator; a standard certainly not less vague; and yet on this ground, and no other, he fixes Pratum in latitude 15° fouth. Now there is a very remarkable coincidence attends the conclusion of both these geographers; for the Prasum of Prolemy is precifely at Molambique, and that of Marinus at Cape Corriences; and it is ftill more extraordinary that Molambique should be the laft " of the Arabian fettlements in the following ages, and Corrientes the limit of their knowledge.

There were Araba lower down at Solida, but Molambique may well be flyled the left of their colonies.

From all the evidence I can collect, and all the circumstances I can combine, I find it impossible to afcertain the fite of Prasum 119; but I have no hefitation in carrying it farther to the fouth than d'Anville does, or in fixing Corrientes as the farthest possible boundary to all the knowledge of the ancients. The detail of Ptolemy goes to Rhaptum and no farther; fo far he had journals, and the relation of navigators to conduct him; beyond that, the voyage did not in its regular course extend; and if fingle veffels had at any time been carried to Prafum, by the winds and currents, it was accidental. But it should feem that it was heard of from the natives, or the Arabs, rather than feen, as all circumflances and particulars end with Rhaptum; and the remainder confifts of a fingle flep to Prafum, that is, near feven degrees, without mention of a port, an anchorage, or a fingle feature of the coaft,

One thing, however, is certain, that the name of Prafum is familiar to Marinus, who is prior to Ptolemy, and is not known to the author of the Periphis. If, therefore, Ptolemy lived in the reignof Adrian, and we have an intervening writer between him and our author, we cannot err more than a very few years in affigning the date of the Periplus to the latter end of the reign of Claudius, or the beginning of that of Nero. There is a Diodôrus Samius mentioned in Ptolemy from Marinus, who notices the course held by vessels from the Indus to the coast of Cambay, and from Arabia to the coast of Africa. He afferts that in the former voyage they

dinary, and fone contradictions to drong, that the choice is abuilty at a fixed. Proleins condemns Marinus for making live thousand and is a fire hundred miles between Rhap turn and Profirm; and yet he handelf makes it favor degrees, which is almost the form thing-Due if they agree in this, their difference is

the There are fome coincidences to extraor. full browningliable ; for Marinus's Pratour is in 25° foutly, and Ptolemyle in 150. Marinue's line of court tends directly to the fourth as South well, Prolomy's to the call. And & america en Princip Asperque, p. 115-

" Prolony, like hearty. Andreas the could below Cape Gardistan.

failed with the Bull in the middle is of the heavens, and the Pleiales on the middle is of the main yard, in the latter that they failed to the fourth, and the flar Canobus, which is there called the Horfe. I can find no mention of this Diodôrus Samius in any other author; but whoever he is, if the date of his work could be fixed, it would go farther to afcertain the progress of the ancients, the navigation of Hippalus, and the account of the Periplûs, than any discovery I have been able to make. I have reasoned only from the materials before me; and if future inquiry should develope Diodôrus, it is not without great anxiety that I must abide the iffue of the discovery.

Another circumstance highly worthy of attention is the argument of Ptolemy 107, to invalidate the citimate of a day's course. The usual estimate he states at five hundred stadia for a day, and a thousand for a day and night; he then mentions, from Marinus, a Diógenes who was one of the traders to India, and who, upon his return, in his second voyage, after he had made Arômata 107, was caught by the north east wind, and carried down the coast for sive and twenty days, till he reached the lakes from whence the Nile issues.

that

Prolemy here under it the origin of the Mile, and places it is to forth to and the Natilea Brographus corries to 10°, which is the latitude of the Lake Marris, while the lower what house which is more than broken of and to great a difference to topped become the least of the White and the Blo Bier: wither is it probable that any lower of the Nile daylet he disable that any lower of the Nile daylet Record now tays are part of the great Bale that disable most tays are part of the great Bale that disable most tays are part of the great Bale that disable most tays are part of the great Bale that disable most tays are part of the great Bale that disable most tays are part of the great Bale that disable most tays are part of the great Bale that disable most tays are part of the great Bale that disable that the start disable that the lates of the great Bale that disable that the lates of the great Bale that disable that the lates of the great Bale that disable that the lates of the great Bale that disable that the lates of the great Bale that disable that the lates of the great Bale that disable that the lates of the great Bale that the lates of the lates

PST Merry Cong.

¹⁹⁷ Know place bell square.

on See like it to be

^{. **} It may be proper to common the nontion open this qualities.

That there is a great like inland from the court of Ajan, is a report of which we find tree in almost all the accounts recleat a maken; but when to fin h, or ober it is, from by an name aftertained. D'Andlie notices fachs a lake on his map of Africa, and conjectures that it may be the fource of the Ohii, which allow at Ampaça and Pate.

^{*} The lakes in Publicay are from you not form.
The former of the Rile are 10,23° from.

that is, nearly to Rhaptum ""; he then adds, that Marinus mentions one Theophilus who frequented the coast of Azania, and who was carried by a fouth well wind from Rhapta to Aromata in twenty days. From their facts " Prolemy argues, that as five and twenty days are attributed to the fhorter courfe, and twenty to the longer, there can be no flated measure of a day's course to be depended on. I must own that to my conception they prove exactly the contrary; for though a day's course is certainly indefinite, where winds are variable, we now know that both these voyagers must have beencarried by the two opposite montoons, and that Diogenes loft his passage by not arriving at Gardefan early enough to get into the Red Sea; confequently he was hurried down to the fouth, and could not get into port till he was fomewhere about Pate or Mclinda. The difference itself of twenty-five and twenty days is not to great as to inful upon with feverity, and we must likewise add, that both voyages seem in confequence of furprize, and not the ordinary course of the navigation. Mariners do not now, and certainly enald not formerly,

wider Africa, this indeed is not impossible, as the Indus and the Ganges both our the great, belt of Ana; but it is highly improbable, on account of the vail space between. Neither slors it make Ptolemy confident; for though d'Anville fill preferres Ptolemy's fourer of the White River to his map, and Remail does not platened them. The lakes of those fources are placed in 6" north by d'Anville, and in a very shifteens longitude from Prolemy's, while this take of Prulency's is in see fouth. And Jure d'Arreille bis a lake alfo, but of which he fpenks with great amortainty. See Prol. III. 1. c. 9. But Profemy, in the rath chapter, exprofile states that this take is not nur the hands of Egyptian Greeks.

couft but for bilend. D'Arville's mollett notice of this take, called Maravi, is in a may which he composed for Le Grande's translation of Lobo, in 172h.

368 Prolemy fays, the Promountary of Rhapta was a little to the funth well.

for The facts are for mirrous that I have great pleasure to flating them to the realeand proposing them to the consideration of my English officer who may be excidentally bought on this could be much notice also that Diagram and Theophilas are both Greak anneas a litelity proof shot even ander the Romana, this trade was chiefly in the

reckon by an individual, but a general run; and when they are in the fweep of the trade winds or the monioons, though the force of the wind is not perfectly or conflantly equal, it is so generally subject to calculation, as to vary but a few days in very extensive passages, This fort of ellimate all feamen have in fuch voyages, and on fuch coalls as they frequent. And those who know how nearly the computation of all feamen approaches to the truth, will certainly allow more precision in the accounts of Marinus and the Periplus before us, than Ptolemy is willing to concede. On this point we have a most remarkable coincidence to notice; for as Marinus states the paffage of Diogenes from Aromata to the lakes at five and twenty days, the Periplus affigus exactly the fame number from Opône to Rhaptum upon a distance as nearly equal as possible. The conclusion from this is incontrovertible; for it has already been thewn, that the couries of the journal agree with the actual extent of the coaft, and if the pallage of Diogenes agrees with the day's couries, it is impossible to admit the scepticism of Ptolemy.

But, from his rejection of the citimate, we may proceed to his controdiction of the facts; for in his feventeenth chapter he controverts the whole account of Marinus. and as far as we can collect, his account was in union with the Periplus. The reasons for admitting the statement of the Periplus are contained in the whole of the preceding pages. The reason for doubting Ptolemy is, that his account is not confishent with his own detail of the coast,

piles, from finding his great agreement with its and that the objections which Prolemy brings against Mariana is the feventeenth chapter apply very nearly to the Periplins. But I am convinced

⁴⁹⁴ From Guedefun to Melinda or Pare.

^{***} From d'Afroi to Quilon.

*** I had spec issuerived an opinion that
Marinus might be the true author of the Peri-

couff "", nor confonant to the knowledge of it, which we have at prefent. He fets out with faying, that the merchants who trade between Arabia Felix and Actimata, Azinia, and Rhapta, give a different flarement from that of Marinus. They mention that the course from Arômata to Rhapta is fouth weft; but from Rhapta to Prafum fourh cast. This indeed would hold good for a finall bend of the coalt, but upon the fiven degrees which Prolemy affigus to the interval is directly falfe; for the general inclination from Gardefan to the Cape of Good Hope is fouth west upon the whole; and this men which he allianes to the fouth eafl, feems only to prepare it for the curve he gives it all round the Antarchie Ocean. He then adds, that the village Panon is next to Arbmata, and that Opone is fix days from Panon. If there be not a corruption of the text here, or a great error in our confirmation of it, this is in direct opposition to his own table as well as the Periplus. For his table gives only five minutes difference between the two. He next mentions Zengifa, Mount Phalangis, and the bay called Apócopa, which it requires two courses of twenty-four hours to pais. Then the Little Coast of three fimilar couries, and the Great Coast of five; then two more to Effina, one to Serapion, and three more across a bay to Rhapta. Niki, he adds, lies at the commencement of this bay next to Scrapinn. And laft of all he notices a river called Rhaptum, with a city of the fame name, the metropolis of Barbaria, with a vaft bay which must be pailed to reach Prasum, where the fea is very thoal "", and round Prafum is the country of the Anthropophagi. Now the

convinced this opinion cannot be defended, for " Page 111.

Marinus was no meng stor, but a geographic rimid So also faye Marcine, Bragon Salasore, Marinus knew or had bound of Penfum, which p. 8.

the author of the Penplus certainly had not

meaning of this language, if I understand it right, is, that at Rhapturn is the last fettlement of the Arabs, and that Prasum is in the country of the Negroes, for so I interpret Anthropophagi. This is not expressed indeed, but is so perfectly consistent with the Peri-

plus that it can hardly be difputed.

The difference that there is between this detail of the coast and that of the Periplus, will be boll feen by confulting the table (p. 136.); but whatever it may be, it contributes more to effablish that journal by its general concurrence, than it detracts from it by difagreement in particulars. It appears to me, whether from predilection to my ambor, I cannot fay, that Ptolemy had a journal before him but a worle. I fee the correspondence between the two, but more confiftence in the Periplus. I fee likewife more circumstances in this, more characters, and more intelligence, which perfuades me that it is written by one who performed the voyage, while Ptolemy relates after another. The reasoning, therefore, which he builds on this, to correct Marinus, appears of lefs weight; for we find all the diffances of the Periplus correspondent to the actual nature of the coall at prefent; and whatever failure there may be in the application of it to particulars, the leading characters, such as the Straits of Bab-el-Mandeb, Ras-Feel, Gardefan, Daffini, Cape Baxas, the Coaft of Seven Rivers, and the Zanguebar Islands are to clear and manifest, that the outline may be confidered as perfect, whatever error there may be in the filling up. To my own mind the evidence is complete; but every author who compiles from the labours of others, without vifiting the countries of which he treats, must subject the speculations of the closet to the determination of navigators on the spot. To this law I submit my inquiries most chearfully, soliciting information

information without fear of the refult, and ready to fland corrected by every intelligent officer who will make this work the companion of his voyage. One farther observation is all that remains to this part of my difeutlion, which is, the peculiarity that Praisin, fignifying Green, should point out a green cape for the termination of ancient knowledge on the eaftern fide of the vaft continent of Africa, while another Green Cape (Cape Verde) thould have been for many years the boundary of modern navigation on the western side. If I am not militaken, Cape Verde has its name from its verdant appearance when first seen by the Portuguese; otherwise it might have been thought that those who first reached it had annihilated the great triangle like Juba and Pliny, and thought they had arrived at the Green Cape of the ancients. This will not appear an idle observation to those who are conversant with the ancient geographers, and who know that they found, as already noticed, a weftern Horn and Cerne on both fides the continent, and a Thule from the Orkneys to the Pole. But there is another view in mentioning it, which is, that fome future navigator, with this clue to direct him, may, when he is going up the Mofambique passage, still find some characteristick greenness, either in the colour of the fea, or on the continent, which may enable him to point out the Prafum of the ancients. This is a point I cannot afcertain to my own fatisfaction, but it cannot be farther fouth than Corrientes, nor farther north than Quilos or the Zanguebar Islands. English thips generally have the coast before they are to far north, but accident may carry some

curious

and Heisen figures a Lock, but it is also may possibly allude to fach words found in afed for a few wood of the fame colour, and thus fea.

curious observer to the spot, which he may recognize, by knowing previously where he is to fearch, and what he is to fearch for.

DISCOVERIES of the Postucuese.

XXVI. WITH veffels of the most perfect construction to encounter all the dangers of the lea, with infiruments of all kinds to afcertain the place of the velici, with officers equal to every fervice, not only from their intrepulity but their fkill, a voyage performed in three years from Europe to the Red Sea, round fuch a continent as Africa, for the first time, would have added no small degree of luffre even to the reputation of a Cook; and yet fuch a voyage is imputed to the Phenicians in an age when they had neither charts or inflruments, when they had no vellels fit for a navigation beyond the Red Sea, or the limit of the monfoons. But to judge of the difficulty of fuch an undertaking for the first time, we cannot form our estimate upon better grounds, than by a brief recapitulation of the obstacles furmounted by the Portuguese, and by observing that the attainment of the same object cost them almost a century, which the Phenicians are faid to have reached in the floor space of three years.

Of the progress of this discovery it will be necessary to trace little more than the dates 34. Prince Henry, fifth fon of John the first, king of Portugal, took up his relidence at Sagrez, near Cape Saint Vincent, about the year 1406. The history of his discoveries is familiar to every one, but, like the history of all others who are the

See Verin und Otorius la init. Berbufn and Alvarce, in Ramnho, Bruce, Michle's Limball, and Caffuncia.

favourites of mankind, it is not fufficient to give him his due merit, which is fuperlative, but it must be enhanced by hyperbole. It is not true that in his day there was no geography but in the poets", that he is the inventor of the astrolabe "" and the compass, or the first that put these instruments into the hands of mariners : but he was bred a mathematician, and he procured the best charts and best instruments the age afforded. He improved upon or corrected every one of them, and he taught "" the application of them in the best manner to the commanders employed in his service.

This great man, with one object always in his mind, diffracted by no other cares of the world, never married, never incontinent, was determined, by his regard to religion, to subvert the power of the Mahometans, and by the love of his country to acquire for her that trade which had enriched Venice and the maritime states of Italy. These were his views, and this was his merit. It was not accident but system that carried the sleets of Portugal to the East Indies, and Columbus to the West. When Henry first commenced his operations, Cape Nun, in latitude 28° 40′ 0″, was the limit of European knowledge on the coast of Africa. This Cape is just beyond the boundary of Morocco, and the Portuguese knowledge of it was derived from their wars with the Moors of Barbary. Com-

And Bruce and Mickle.

as See on the Affmlabe, note lafra.

which contributes much to our anticoul homan. Pietro della Valle who falled both in English and Portuguese thips in the Entl Indies about 1620, observes that the Portuquese matters and pince made a mystery of their knowledge, whereas an board the Eng-

life fairs all the couths on based over fermanted to take the observation at soon; their books and criculations were then liberate corrected. Further manners this in form intractions gives by the merchants to the communders they imployed: and here, perhaps, we may trace a could also the fermes has abeen been energing uning the English, and declaring strong the Purthypurfe.

mencing the line of his discovery from hence, in 1418 two of his officers reached Cape Boyador, in latitude 26' 30' o". The fame effort reflored to geography the Canaria of Pliny, or gave that name to the illands which retain it flill, and lie between Nun and Boyador, Boyador, however, was not doubled till 1434. It was, favs Faria, a labour of Hercules; and it was not till 1442 that the discovery was advanced to Rio-del-Ouro, under the tropick of Cancer, This name points to the acquilition of gold; and hillory mentions that the duft of that precious metal was here first offered as a ranfor for fome of the natives who had been taken prifonera. Uponthe return of these vessels to Portugal" the fight of gold produced an emotion much more effectual than all the exhortations of Prince Henry had been able to excite; a company was immediately formed at Lagos, and the progress of discovery was entured whether Henry had lived or died. This is the primary date to which we may refer that turn for adventure which fprung up in Europe, which pervaded all the ardent spirits in every country for the two succeeding centuries; and which never ceased till is had united the four quarters of the globe in commercial intercourfe. Henry had stood alone for almost forty years, and had he fallen before these few ounces of gold reached his country, the spirit of discovery might have perified with him, and his defigns might have been condemned as the dreams of a visionary; but he lived till 1463, and in the years 1448 and 1449 had the fatisfaction to fee his discoveries extended

from the country forther fouth, sold liep. the time of Bartholomes Dier, the first ele-

were employed in the fiture differences, sill the time of Bartholomes Diaz; the first elecommarigator of Africa, in \$437. Thus was the committee formed between the diffeorery of Rio-del-Ouro and the Cape of Good Hops-

Property, and from him ferrest of the Company, and from him ferrest of the family.

to Cape Verde, (in latitude 14 45 0",) to the Cape Verde Islands and the Acores. This cape was likewife doubled, and some progress is supposed to have been made as far fouth as to the equator, but Cape Verde may be confidered as the limit of Henry's discoveries. He is defervedly" celebrated by all writers as the reviver of navigation, and the great founder of that commerce which has raised the maritime power of Europe above all the other nations in the world.

After the death of Henry his deligns languished during the reign of Alonzo, but the spirit of adventure was not suppressed. In 1471 the discoveries extended to Cape Gonzales beyond the equator, and terminated with this reign at Cape Saint Catherine, in latitude 2' 30' o' fouth ". John the fecond facceeded to the throne in 1481; and revived the purfaits of Henry with all the ardour of their author. In 1484 his fleets reached Congo and penetrated to 22° fouth. It was in Benin that the first account of Abysfinla was received, and nearly about the same time John sent out Bartholomess Diaz with three fhips, who first circumnavigated the extreme point of Africa, and dispatched Covilliam in search of India by Egypt and the Red Sea-The date of Diaz's expedition is fixed in 1486, nearly eighty years after the commencement of Henry's plan, and the expedition of Covilham is affigued to 1487". I have recapitulated these facts and dates not for the purpole of repeating a hillory known to every one, but that the reader may compare the difficulty of profecuting this dif-

me Mickle excit. from Paris, vol. is p. at., failed in confequence of Coviliant's intelligence, which is directly contrary to the suffic mony of Paris, Callaurda, Alvares, and Maldo

114 Their dates are of communicat because When Covilhain brotte he certailey did not

Sie les churafter, p. 18.

Farm, vol. i p: 10, 21,

Bruce, vol. ii. p. 108. Suppores that to have know of Ding's forceful

covery by the Portuguese, with the facility attributed to the attempt of the Phenicians, in their three years' navigation.

But Covilham" is a name of fuch importance, his hiftory fo extraordinary, and his account to connected with the Periphus, that to pass him in filence would be an unpardonable omission, John II. in the beginning of his reign had fent two friars, one of the order of St. Francis, and the other John of Lifbon, with a third who was a layman, into the Eaft ", in order to differer India by land. Thele travellers went, for want of the Arabick language, no further than Jerulalem. In the year 1486 or 1487 ", he therefore fent John Pedreio de Covilham and Alonfo de Payva on the fame fervice; and after them two Jews, Abraham of Beja and Joseph of Lamego. As nothing can shew the folicitude of the king more than these circumflances, to nothing can prove his penetration more than this choice of Covilham; he was a foldier, he had ferved in Africa, had been an amballador to Morocco, and had acquired the Arabick language to perfection. In obedience to his fovereign he departed from Lifbon ", and took the route of Barcelona and Naples, and thence by Rhodes and Alexandria to Cairo. He there joined a party of Mograbin " Mahometans, and went in their company to Tor, Suakem, and Aden. At Aden he embarked for Cananor on the coast of Malabar, and visited Ormuz, Gos, and Calicut. He face

are Called de Covillem from the name of his high place. Oforius always writes John Petralis. See wal is p. 247.

³¹⁴ Caffarens, p. 2 21 F collect that Coulhum entered Abylinia in each from Alverra in Rassolie ; for

Alearen fays he confessed has in 1921, thirtythree years after he had entered the countryata Alearen in Ramanio, with i. p. 191, 237.

²⁰ Moors of Berliety, Wellers Ands.

the papper and ginger ", be beard of cloves and cinnamon. After this he returned to the coast of Africa, touched at Zeila, and went down the coast as low as Sofala, the last residence of the Arabs, and the limit of their knowledge in that age, as it had been in the age of the Periplus. The Arabs of Covilham's age knew indeed that the sea was navigable to the fouth west, as their earlier countrymen did when the author of the Periplus was in the country, but they knew not where it ended. With this intelligence, and what he could collect of the Island of the Moon, or Madagastar, he returned by Zeila, Aden, and Tor to Cairo. At Cairo he met the two Jews, Abraham of Beja and Joseph of Lamego, by whom he sent an account of the intelligence he had collected to the king, and in the letter which contained it, he added,

"That the thips which failed down the coast of Guinea might be fare of reaching the termination of the continent, by persisting in a course to the fouth; and that when they should arrive in the Eastern Ocean, their best direction must be to inquire for Sofials and the Island of the Moon."

It is this letter above all other information which with equal juffice and with equal honour affigns the theoretical discovery to Covilham as the practical to Diaz and Gama; for Diaz returned without hearing any thing of India 114, though he had passed the cape; and Gama slid not fail till after the intelligence of Covilham had ratified the discovery of Diaz.

What a tellimony do their two wards give of his versely, and what a versely of connected circumflances do they fugged to those who know the country, the trade, and

the designs of John ! Alexant forms to write what Covillian dictated, Alexant, p. 237-

Covilham was not to receive the reward of his fervices; one part of his commission he had not executed, which was, to visit Abysfinia; he returned, therefore, from Cairo to Ormuz, and from Oemuz once more to Aden, where he waited till he found the means of introduction into Abyffinia. Here he was received with kindness, but hence he was never to return; for in Abythnia he was found by Alvarez the almoner to the embaffy of John de Lima, in 1525, who observes that the king had given him a wife and lands, and that he was beloved by the people as much as by the fovereign; but that his return was for ever precluded. He folicited John de Lima, and John interceded with the king in vain. I dwell with a melancholy pleafure on the history of this man, (whom Alvarez describes still as a brave foldier and a devout Christian,) when I reflect upon what must have been his fentiments on hearing the fuccels of his countrymen in confequence of the discovery to which he fo effentially contributed. They were fovereigns of the ocean from the Cape of Good Hope to the Straits of Malacea: he was still a prisoner in a country of Barbarians,

There is a circumstance attached to the history of Govilham of great geographical importance, which is the map or chart committed to his charge by Emanuel, at that time prince " and afterwards king of Portugal, which was copied and composed by the licentiate Calzadilia, afterwards bishop of Visco, a doctor Rodrigo, and a Jew named Moses, with great secreey in the house of Peter

vol. L. Alvarez in Ramuño, set Duca. See Cananeda, p. 1, 7, 5, wel. L. Alvarez in Ramuño, vol. 1 p. 236.

of Alcazova. This map "" was put into Covilham's hands with orders to make his way, if possible, into Abyssinia, and discover whether there was a passage round the extremity of Africa, which the framers" of the map afferted to be practicable, on the authority of some obscure information which they had collected.

Bruce afferts ** that Covilham fent home from Cairo a map which he had received from a Moor in India, in which the Cape, and all the cities round the coast were exactly represented. But whence Bruce draws this account I cannot discover; and if there was fuch a map among the Moors it must be a fiction, for none of them had ever passed Corrientes by sea; and cities there are none ** for

map which him induced Minkle to tay, that the Admilia was founted by two Jents. Rodrigo and Joseph at Libon a and I have little doubt that the mage of the word Adreslabe drouved him, or the mirror from schom he somed. The primary meaning of Afren labe wer an armillary fphery. Protemy vedirect this to a plantiphere; and yet the name of Aff-walke continued till it became spelied to maps like his in the copyrightick projection. The Sea Astrolube is a different inflormant, for taking the altitude of the fon, Hars, &c. is to a ring with a movemble index. See Chambers's Difficurry, in mos. This last fact of Allerable is definited in Chinese's country on that fiblicat, which have done tign i in this if Mickle means this fallers. ment. It could be no invention of the Jewith doctor a conChencer, Proy's edition of any and that he does mean if, I radio to his own womb, Lattell, p. 193. Note P. where he quotes di Barros, Dec Ullia le, c. 2. Lemnot refer to all Decroy but in Alterna (Ra-

are I imagine it is the composition of this molio, sell I = 236.) Find the observable of witch his induced Minks to Gy, that of this map by Calladdia, with the name of Albeilibe are invented by the Jens. Roderge and Marks the Jers, where I impose the doubt that the utige of the word Albeilibe are deprived him, or the minure form whom superd. The primary meaning of After was no armillary inhere Prolumy recommodisted to the off of me in the Martin Schematz, a february of Portugal.

a vedera 3 parse del Prete Jami e se ser i foci imiti fulla moltis alcuna che il pulle politica se matti dal punto del prete la della politica del matti della moltis alcuna che il pulle politica del matti della monta della prete della pretera della propertia.

that Corollian for short the course of classes in the chart in section with him, often all arrival with him, often all arrival.

** the stair there appeared also them so the common within this land, by remlar that there is them exercise influentially. Contained, p. c. I had further within there is toward and villages.

almost twenty degrees from Corrientes to the Cape, or from the Cape for twenty degrees to the northward on the western coast.

That fictitious maps of this fort might exist both in the Indies and Europe, among Mahometans 111 and Christians, is highly probable, for it was a prevailing notion in all ages, that Africa was circumnavigable. And it has been repeatedly noticed in this work, that on both coafts, when the voyagers reached the limit of difcovery, the report of the place was always in favour of a pallage. We may allow even more than this, and fay, that the natives had gone" by land much farther to the fouth than the navigators by fea; and that their accounts were almost unanimous in maintaining the fame affertion. The ffrongest evidence I have found of this is that which the Portuguele afterwards report of Benomotapa; a great nation when they arrived in Africa, and the remnant of a much greater, which had possessed cities of great extent and regular buildings; and from which it was faid there were public roads running far to the west and quite down to the Cape ". We are not to believe thefe reports, perhaps, in their full extent; but the ruins of great buildings feem authenticated; and the existence of gold and gold mines is univerfally afferted. Here is Bruce's Ophir "s,

The communication between the Oriental and Atlantick Occan forms to be intimated in Abulfads. In. 50. Gagnier's translation, MS, is the Boolean, but it is to abliance that I am not certain that I comparison it treats the translation.

19. This feems to appear from Al Esballs, p. 18, et leq. where her toentions Sainla, and leseral other pinces beyond it with great oblicating.

25 See Ed. Barbols in Rumalin, vol. 1, p. 200, et feq. Barbols nimitiess fact a said :

The communication between the Orient that it went for footh may be very front but

Abytimia, finds a Faca or Afara inland from Socials, and exercises it to be Ophic p. 261. Fr. et. His finds also all that Solution brought into Judge except proported has becommentated obligates that Tankkam, the History terms may be translated prospect a well as presented. I have the voyage to Ophic for the diffculties of others, abbreing only that the circumstances attending it are in favour of Africa, though Gesfielia consists a to Subsa-

the tradition of the queen of Sheba are, the coult of Sofala, and the great river of Chama.

Such a nation as this, while in a flourishing flate, we can suppose to have extended its communications far to the west and to the fouth, with roads both ways as far as their caravans could find purchafers to invite them. With this nation the Mahometans of Sofala and Molambique must of necessity be connected; and if they had a map or chart of the cape, from the information of this nation it must have been collected. It is the mention of cities in this map which alone makes us suspect that it was the product of their own imagination. Maps of this fort are supposed to have been framed as readily in Europe as in Alia. And one of these Mickle fpeaks of in the introduction to his translation of the Luffad in the following terms:

" Antony Galvan relates", that Francisco de Sousa Tavanes told " him, that Don Ferdinand told him, that in 1526 he found in the " monaftery of Acobaça a chart of Africa an hundred and twenty " years old, which was faid to be copied from one at Venice, which " alfo was believed to have been copied from one of Marco Polo, " which, according to Ramutio, marked the Cape of Good " Hope,"

Mickle confiders this as a mere report calculated to deprive prince Henry and the kings of Portugal of the honour of the discovery; and its date of 1526, almost thirty years after the discovery had

330 This tradition eight well sectors to this bad compared in Arabin, and connections with

sources before the arrival of the Malmorton Egypt, and in the interior of Africa to the on the coult, from the early Asales, and much well and forth. more throughy from the Abythnians, who is their better days do certainly uppear to have

er fund p evely.

aQually taken place, affords full ground for the fulpicion. But let us Suppose that the depicted travels of Marco Polo, which adorned one of the churches at Venice ", actually contained the Cape of Good Hope, or rather the extreme point of Africa, it proves nothing. It thews only that the prevailing notion of the circumnavigation prevailed at Venice, as it had done many centuries before in Gresce and Rome, and that it was inferted into this chart from the imagination of the draftfman.

Marco Pole " himfelf was too wife and too faithful a traveller to affert this. We have his work; and we find his language perfectly in harmony with that of Scylax and the Periplus. " Beyond the " iflands of Magaftar and Zanzibar," fays he, " there is no farther " navigation fourhward", because the fea runs there with great " velocity to the fouth, fo that it would be impossible for any " veffel to return." It must be here noticed, that as he writes Magaffar and Madaffar for Madagafcar, fo under the name of Zanzibar he comprehends the main coast of Africa, which still takes the fame name, and carries it to the extent of two thousand miles, Whatever error there may be in this, his mention of the current

man near Venice. Rum, vol. ii. Dichiarationes rought give information of the countries in the

23. There was a Penraguelit version of Moreo Pola published in Pertugal la egus. by a gentlemme of the court, attendant on Elevators, spiceri of Terminal, who likewife published the account of Nicolas des Contes or Contl, and of Historic de Saint Chiques This publication, in agent, makes it highly, probable that Marco Polo's work was known. in Portugal pravious to the voyage of Dies. and was now published when it could not in-

378 In the church of Saint Michael de Mu- terfere with the glory of the difcorery, and

It is to be obligged that the reading of this passage is very different in Remains from that of Briggion. But both agree in flating the impernatity of the current to the fouthhave fallawed Ramufio, as I slways do in preforence to other translators. See Raman, vol. ii. M., Polos libe iii. c. 35. Bergenna caps age. See the account of this may, Ramefio, sol. ii. Dichiarations, p. 17-

between

between Madagafear and the continent is an illustrious trath, the more remarkable as M. Pole was never on this coast himself, but must have derived his knowledge of the fact from the Malays or Arabs, who were the only navigators of the Indian Ocean in his age. And the reason assigned for their not passing to the south, though they knew there were [lands or] islands in that quarrer, is the very same which the Arabs of Sosala and Mosambique gave to the Portuguese at their arrival on the coast. The whole of this is consistent with the knowledge of the Greeks and Arabs, which terminated at Prassum; and in all ages the current of the Mosambique Channel appears to have been an insuperable barrier to all but the Phenicians of Herodotus.

Such is the account of Marco Polo himfelf, and let us next confider the celebrated map of his travels which was preferred at Venice, and which was probably one of the most efficient causes which led to the discoveries of the Portuguese. Ramusio has preserved the history of this, and as his book is not in every body's hands, the reader will perhaps be gratisfied by the infertion of his account.

In the church of St. Michael di Murano near Venice, there was a cafe be or cabinet near the choir, which contained this map that attracted the particular notice of all travellers who came to Venice. The map was composed by a lay-brother be of the convent, from another map or chart which had been brought home by Marco Polo and his father, on their return from Tarraty be. The original had been disfigured, and brought into diffequite by the infertion of a variety of things too modern for the age, and ridiculous in their

appearance it; ffill it was evident when the work of M. Polo came to be read again and confidered, that this map and chart was compoted by him or under his direction. The artift therefore who undertook to copy and reform it, leaving out the abfurdities, and adding the longitude and latitude, which the original had wanted, framed the map which is now preferved in the church of St. Michael, and which is vifited as the composition of Marco Polo himself. In this map a variety of curious particulars are observed, unknown before, or as least to the ancients; and more especially that towards the Antarctick circle, where Ptolemy had placed his unknown fouthern are continent without fea; there appeared in this map, made to many years ago, the fea furrounding the extremity of Africa, to that a paffage from the Indian Ocean into the Atlantic feems to have been known in the time of Marco Polo, though there was no name given to that promontory which the Portuguelo afterwards called the Cape of Good Hope.

Three queffions arise out of this account, 1ft, Whether the delineation of the Cape in the copy is a proof that it existed in the original. adly, Whether this copy is the original from which the hifhop of Vifeo's map or chart was taken, which was delivered to Covilham; and 3dly. Whether the hithop of Vifeo's map is that which is mentioned by Bruce.

First. It certainly does feem probable that the report concerning the termination of Africa in a cape was as current in Afra and the Indies as in Europe. That either the Chinese or the Malays did

on hand said fea, to it is highly probable the plained an-Ruck of M. Poin, lib. iii. c. 85, and Griffins,

are As the sid waps mentals monthers both &c. might have been the additions here com-

118 Terra Auttralia incognitàmavigate

navigate the ocean as far as Madagafear, and the coast of Zanguebar is evident; for Marco Polo was not there himfelf, and could have his account only from them or from Arabs ***, whom he might meet with on the coast of Malahar from Arabia or Africa. It should feem however rather from the former than the latter, for as Marco Polo is the first author who introduced the name of Madagascar 211 into Europe, to is it probable that this title is not given to it by the natives, but by the Chinefe, Malays, or Hindoos. In confirmation of this we find in Cook's comparative vocabulary, drawn up by Mr. Mariden, that the Malay numerals, and fome other radical words, are full current in that iffand. Now if the Malays traded to this, island, or the coast of Zanguebar, they must have had intercourse with the Araba fettled there; and that the Araba did believe the possibility of a circumnavigation has been proved already, both from their observation of the interior, and from such intelligence as they might derive from Benomotapa. From some of these sources there can be little doubt that Marco Polo, if his map or chart contained the continent of Africa, might affign a termination to the coast, and convert that into sea which Ptolemy and his copiers had affigned to their fouthern continent.

But there is a fironger argument for believing that this African Cape was in the original of M. Polo, and not introduced by the artiff who copied it, which is, that M. Polo himfelf speaks of the ceast of Zauzibar, not us the continent, but as an illand two thou-

Inface the Portuguese arrived at College, se- that their lopeestitions had been adopted by the cording to the Pertuguese arecusts, and we coniver previous to his age. know from Pliny, that they were to fittled or ... He writes Madaffar or Magadar-

^{**} The Archabad been in India 600 years formal on the could of Malsbur and Crahen.

faul miles in discumference in; whatever error there may be in this, it is felf-evident, that if he made it an ifland, he must give it a termination on the fourth, as well as on the other three quarters; and if he delineated this, that fouthern boundary must be the very limit of Africa, which Ramusio fays the copy contained. It is for this reason most especially, that we ought to admit the fact; and if the fact is admitted, to M. Polo must be affigued the honour of first giving this intelligence to Europe, and of opening the way for the discoveries of the Portuguese.

Secondly. What the map was which was composed for the use of Covilham by Galzadilia, afterwards bishop of Visco, by Dr. Rodrigo and the Jew Moses, cannot be determined without better materials from Portugal than are in my possession; but there is great reason to believe, that the principal source of that work was the map of Marco Polo, because the first printed edition of his work was in Portuguese, dated Lisbon 1502, by a gentleman in the court of Eleonora, wife of Emanuel; and this being only four years after the voyage of Gama, when every spirit was roused by the discovery, it seems highly probable that the intelligence contained in this book was in possession of the court of Portugal previous to the expedition, and had been made use of by the kings of that country, for the purpose of instructing and encouraging those who were employed upon that service.

It is to be observed, that the original work of Marco Polo was composed in Italian by a Genoese, who took his instructions from the mouth of the author, when a prisoner at Genoa, about the

year 1300. From this Italian copy bar a Latin translation was made at Bologna, and published in MS, two copies of which were preferved, one in the Library of the Canons of Latran at Padan; the other at Colonia " in Brandenburg, in the Library of the Elector. Both copies are supposed to be nearly the same, but differ from another which was made at Baile. Their are all manufcripts, but from one of their it may well be imagined that a copy had been procured by the Portuguefe, during almost the whole century that their mind was fet. upon this object, from the first attempt of prince Henry in 1406; to the voyage of Gama in 1497. The edition of this work from the prefs, to early as 1502, in Portugal feems to confirm this, and as the circumnavigation was completed, it could now no longer be concealed, nor could any future adventurer detract from the honour of the discovery. These circumstances, it is true, amount to no proof, but afford ample ground for believing that the map delivered to Covilham was framed from this fource of information. Whether the original map and chart of M. Polo, in the church of St. Michael di Murano at Venice, or the copy which replaced it had been copied by the Portuguele, I have no means to determine; but as it feems to have been open for the inspection of all visitors, and as the ardour of the Portuguele was pointed to rival the commerce of Venice, from their first outlet to the attainment of their object; it may reatonably be concluded, that if they had no Portuguefe 144 in

The whole of this is from the preface of Audre Moller Grieffening in Bergeron

Henry's brother brought a map from Venice, in which the cape was marked; but he goes so authority. If I had angers where to find this fact, I could have determined the question. I do not doubt it, but I will both fleuce and many other authors would prefer

^{**} What Colonia I with the German Lemille would give as the madern names of cities.

²⁴⁾ Bruce, vol. ii. p. 96. fays Don Pedro

that city to collect intelligence, they employed Jews for that purpole; for Jews they from ever to have perfecuted and trutted at the time time; a Jew was employed in forming Covilham's map,

and two Jews were lent after him into Egypt.

Thirdly. What map it was that Covilham funt home, which he had procured from a Moor in India, cannot be determined; neither has Bruce, who mentions this circumflance, condefeended to give us his authority. I inspend, therefore, all judgment upon this till I know the foundation on which it famils; it feems rational that the Mahomedans fliquid have charte of their navigation", as well as the Europeans; but as no Mahomedan or Arab had paffed the cape, the delineation of it must have slood upon the same fort of intelligence as Marco Polo had acquired in the east, or be inferted from imagination and the prevailing belief of the fact. Whenever I can discover the authority of Bruce it will deserve confideration, till then I thall think that if Covilham filled up the map he had received, or corrected it, or added to it fuch information as he could collect, it is a more probable account than the report of this Moorith map, which contained cities that never existed. Such a corrected map of Covilham's we read of in Castaneda, who feems to have feen it, as he fays it was ill-written and disfigured; this I take to be the map to which Bruce alludes.

the information of their realers by marginal references to the vanity of a clean page. It does form highly credible that the map of M. Progra-

the What form of charts or maps the Arabs the conv of his work is later.

had, as late in 1400, may be feen by the map of the world I have injected in the appendix from Al Edvill. The Great Cape of Africa Polo was horogen to Puringed by this Don in our in that, though posterior to M. Polo; has the author it prine to the Venetion, through Voyages of BARTHOLOMEN DIAZ and VASCO DE GAMA.

EXVII. From the year 1410" to 1486 the Portuguele had been engaged in advancing their discoveries to the fouth; some progress had been made in every reign; but the honour of doubling the extreme cape of Africa was referred for John the second. In "1486 Bartholomew Diaz failed from Portugal with three thips; he is called an officer of the king's storehouse at Lisbon, but is manifestly of a family "which had long been employed in these voyages of discovery; and had probably been gratified with a place of trust for merits in the service. He advanced to 24" fouth, one hundred and twenty leagues beyond the track of former navigators, and then stretching boldly out to sea, never touched upon the coast again till he was actually forty leagues to the callward of the cape, which he had passed without seeing it in his passage.

This however was not the termination of his discovery, for he proceeded to the river del Infante, upwards of fix degrees to the eastward of Agulhas ", which is the most fouthern point of Africa, and near a degree beyond the Cape of Good Hope. The reason of his return is not quite evident; but he had parted " with one of his

names thill decounte our charts, such it is but juffice to perfer the names and language of every difference. The French have had the enough to diffuse feveral appallations of our late difference. But La Poyonafe was howefter than his country seen.

given as the first date of prince Henry's dofigure.

¹¹¹ See Collegeds, Faris, Mickle, Ofbritta, Bruce.

¹⁴⁰ We meet with Dinis Diaz and Vincent Dinz in 1447; and John Diaz who was surof the first company second at Lague in 1444. Facia, p. 9-

to Cape Agullies or Needle point. Thefe

^{**} He must this writed on his ecture with only three of the error alive. One died for joy.

little flest on his pallige, and it may be prefumed that the impossibility of collecting information from the natives, with the continuance of the coast to the eastward, which he might have expected to trend to the north, contributed to his determination. Five and twenty leagues thort of this river he erected his cross on a rocky islot, which this bears the name of De la Cruz, in the bay of Algoa!". This is a perpetual monument to his honour, and the Grand Cape which he siew on his return he styled the Cabo Tormentolo, from the tremendous storms he had encountered on his passage. The different fintiments with which this discovery inspired his sovereign upon his return, reversed the omen, and changed the Stormy Cape into the Cape of Good Flope, a name which has superfeded the pretentions of all occupants and all conquerors, and which it is hoped will preserve the glory of a generous monarch, and his hardy subjects, to the end of time.

Still, though the discovery was made, it was not completed. India had been the object of the fovereign, and the nation, for almost a century; but India was neither found, or seen, or heard of, this was wanting to the same of Diar, and this was the cause that all the glary of the discovery attached to Gama. Gama was a man of family", and Diar falled under him, with an inferior command; he had not even the satisfaction of attending his superior to the completion of his own discovery, but returned from St. Jago, and was again employed in a secondary command under Cabral, in the

in Taris. But Callaneda taken no notice

M Algon, is the English shorts, properly Del Agon, (Agus, water.) there are two Del Agon.

of his family; he is lean had armoral harings, which, in this age, implied the rank of gentleman. He bore a Gauna a c. Dann

fleet that failed to India in 1500. In this expedition Brafil was discovered, and in the pallage from thence to the Cape, four thips perished, one of which was that of Bartholomew Disz with all on board ".

It would feem natural that the diffeovery of Diaz should have been immediately profecuted to its completion; but it required a deliberation of ten years and another reign before a new expedition was undertaken; and great debates are mentioned as paffing in the council of Portugal, whether the attempt itself were expedient, or any advantage could be derived from it to the nation at large.

In the mean time, however, the defign had never been relinquished, or the prior discoveries neglected; John II. had dispatched Covilham and his companions into the east, and the establishments on the coast of Guinea had been attended to with anxious folicitude. At length when Emanuel had determined upon profecuting the discovery of India, Gama was felefted for the fervice, and was conducted to affirme his command on hoard the fleet, under the most folemn autipices of religion ". The king, attended by all his court, accompanied the procession, and the great body of the people was attracted to the fhore, who confidered him and his followers rather as devoted to defiruction, than as fent to the acquificion of tonown

374 Mickie Luind, p. 101. Calianda, or the nation. By all time we can collect of the execution of this spyage, Cama form to the Bruce, who is no enemy to religion, no have devoted himfelf to death, if he should not

Voltary, has condemand the religious foliantity. Towards, from a feele of religion and laysleyartending this enthalbating, as differentialism. His factor's is owing to this festiment. but he freeze neither to have couldered the age

The fleet confifted of three small ships and a victualler, manned with no more than one hundred and fixty fouls; the principal officers were,

Vafeo de Gama.

Paul de Gama, his brother.

Barrholomew Diaz, who was to accompany them only to a certain latitude.

Diego Diaz, purfer, brother of Bartholomew-

Nicolas Coello.

Pedro Alanquer, who had been pilot to Diaz.

Gonzalo Gomez.

They failed from Lifbon on the 18th of July 1497, and after parting with Diaz at St. Jago, reached the Bay of St. Helena in latitude 32° 35' o", on the 4th of November. They had on board feveral who spoke the Arabick language, and others who had acquired the Negro tongue by former voyages to the Gold Coast, Benin, and Congo. In the Bay of St. Helena they found the natives which we now call Hottentots, as we discover by the mention of a peculiarity in their utterance, which the journal calls sighing ", and which Vaillant describes by the term elappement, a guttural cluck, the characteristick of their language. None of the Negro interpreters understood this dialect.

A quarrel arose between the voyagers, and these harmless and timid natives, from the suspicion of treachery, natural to those who wish barbarous nations for the first time; and in the skirmish Gama himself was wounded in the foot. This accident hastened their departure. They left the Bay on the 16th of November; Alanquer declaring that the cape could not be much farther than thirty leagues diffant, though he could not deferibe it, as he had paffed it without feeing "it, under the command of Diaz. For the four following days it was a continued tempeft at fouth fourit well, during which Oforius "introduces the account of Gama's confining his pilots in irons, and flanding to the helm himfelf. Caffaneda mentions nothing of this circumflance; his narrative indeed is brief and dry, but feems to be a copy of the journal". On the fourth day the danger was furmounted; they doubled the Cape on the 20th of November, and getting now the wind in their favour, came to an anchor in the Bay of St. Blas, fixty leagues beyond the Cape, upon the Sunday following. This Bay ftill bears the name of St. Bras in our charts; and the natives found here were the fame as those of St. Helena.

At St. Blas the fleet flaid ten days and was supplied with oxen by the natives. They found also penguins and sea lions in great numbers. They discharged and burnt the victualler, and then proceeded on their voyage to the castward. The rock de la Cruz, where Diaz had erected his pillar, was by estimation fixty-five leagues from St. Blas, and the river Del Infante sisteen further to the east. When Gama set fail the current was strong against him, but having the wind in his favour, which blew a storm from the 5th to the 13th, he pushed forward till he was fixty leagues from St. Blas, on the 16th of December. Here he made the coast ", which

ny 1 follow the Journal of Cathanoda ; he fait perfore, without appearing continue of the large from it on his settion.

The sample of Security them: Cape Armella of

rev Val. 1. p. 48.

had a good appearance, with herds of cattle on the flore. He passed within light of de la Cruz, and wished to have come to an anchor at the river Del Infante, but the wind being adverse, he was obliged to fland out to sea, till on the 20th of December it came again to the west, and carried him through the currents which had opposed him all round the Cape. The good fortune which attended him in obtaining this wind, at the time when the current was most unfavourable, inspired gratitude in the heart of Gama to that Providence which protected him; he offered up his tribute of thanks-giving, and declared to his people, that he verily believed it was the will of God that India should be discovered ***.

From the 20th to the 25th he ran along a coast which he ftyled Terra dp Natal, from the celebration of the Nativity on that day. It lies between latitude 32° 30' o" and 30° fouth; and on the 6th of January 1498 he reached a river which he named De los Reyes, from the feast of the Epiphany; he did not anchor here, though in great want of water, but proceeded till the 17th, when he landed at a river called Cobio ", and which, from the treatment he received, he left afterwards marked with the appellation of Rio dos buonas Gentess or the River of Good People.

The natives here were no longer Hottentots but Caffres, who even in that age bore the fame marks of superior civilization, which they preserve to the present hour. A circumstance more fortunate and more extraordinary was, that Martin Alonzo understood their language. This is a most remarkable occurence, as Alonzo could scarcely have been lower than Mina on the western coast, which is forty degrees from the Cape, and the breadth of the continent

from west to cast cannot, in the latitude of 20° fouth, be less than eighteen or nineteen degrees more. What Negro nation or language do we know of such an extent? and yet wonderful as it is, there is no reason to doubt the fact. These people had mean houses, but well furnished, and were possessed of iron, copper, pewter, falt, and ivory.

The fleet flaid here till the 15th, and obtained, wood, water, fowls, and oxen. Proceeding on that day to the northward, they continued their voyage till the 24th; in this run they paffed Cape Corrientes and the low coaft of Sofala without anchoring, till they reached a river, which, from the circumstances that arose, they had afterwards reason to call the river of Good Signs (de bons Sinas).

It is a circumflance particularly noticed by the historians, that from St. Helena to this place no vellige of navigation, no fort of embarkation had been feen. But here, upon the morning after their arrival, they were vifited by the natives in boats, which had fails made of the Palm . This roufed the attention of every one on board, and in the course of a few days two men of superior rank came on board, who had garments of cotton, silk, and sattln; this was the first infallible sign of the produce of India, and hope glowed in every heart. The language, however, of their visitors was unknown; they understood not the Negro dialect of Alonzo, nor the Arabick of Alvarez. but they intimated by signs that they had

⁹⁵⁹ Paife, p. 18.

het Paria. The experition is not clear, but fatimates cloth made of three of the suco pains. It is worthy of notice that Cultansita

mentions facts been but nothing of fails till they approached Molandiaps.

hick very imperfective, roll is p. 51.

feen thips as large as the Portuguele, and feemed to mark the north as the quarter where they might be found.

Here then Gama determined to prepare for the completion of his difcovery. The natives were quiet; they were not Mahomedans. The women received the feamen with complacency, and provisions were easy to be procured. These were all inducements for laying his veffels a-ground and careening them. He gave orders accordingly; and during a flay of more than thirty days, which this fervice required, no dispute arole to disturb the harmony between the natives and their vifitors.

This river is the Zambeze, which is navigable for two hundred leagues up to Sucumba 100, and penetrates into the interior of Benomotopa. It falls into the fea through a variety of mouths, between latitude 10" and 18" fouth, which are known in our modern charts as the rivers of Cusmo and Quilimane, from a fort of that name upon the northern branch". I find nothing in Castaneda or Faria to mark the extent of Gama's knowledge at this place, but as he had the corrected chart of Covilham on board, in which Sefala was marked as the limit of his progrefs; if that chart was furnished with the latitude, Gama must have known that he had now passed the barrier, and that the discovery was ascertained. The most southern branch of the Zambeze is two degrees to the north of Sofala. He must likewise know that the directions given by Covilham were to inquire for Sofala and the ifland of the Moon". And whether he

in latitude 170 po e. P. Lado ralla Quillimore the rive of Cand Signs, to tor, ed-Paris, Lo Gennde:

144 The Island of the Moon is an Amback

understood

ten Rellinde, pullo Mr I summit afcertain which mouth of the Zembere Gana meliored in. I suppose it to he the largest, which is that must to the murth, as Reflende places the river of Good Signs in same and occurs in Al Estriff,

understood the language of the natives or not, the name of Sofala *** must have been pronounced to them in an intercourse of thirty days, and the quarter where it lay must have been obtained.

We are here approaching to a junction with the discoveries of the Arabians, the Egyptians, the Greeks, and Romans; and though possibly none but the Arabians 210 had been as low as Sofala by Sea, certain it is, if the authority of Ptolemy may be credited, that the Romans had penetrated inland to the fouthward of the equator, and terminated their refearches with a nation they ftyled Agifymba. Ptolemy " mentions two Roman officers, Septimius Flaccus and Julius Maternus, who had been engaged in thefe expeditions to the fouth, Flaccus from Cyrene 17, and Maternus from Leptis. Flaccus reported that the Ethiopians [of Agifymba] were three months journey fouth of the Garamantes, and Flaceus feems to have performed this march himfelf. Maternus reported, that when the king of the Garamantes fer out from Garama to attack the Ethiopians of Agifymba, he marched four months to the fourth. Prolemy does not allow the use made of these reports by the geographer Marinus, which would carry Agifymba into 49" or 55" fouth latitude, fill under his own correction he carries Prafum 214 into latitude 15" and Agifymba fomewhat farther to the fouth.

Wonderful as this march of Flaccus is to contemplate, through the very heart and most defert part of Africa into such a latitude, it is fill more extraordinary that the latitude of Prasum should coincide with Mosambique, and that two or three degrees farther to the

Lin. L c. 8

²⁰⁰ See Officiat. p. 52.

*** And the Phenicians, if Solain is Ophic.

*** Page 115-

fouth, the kingdom of Benomotapa 124 should occur, in which Zimbao is fill the name of a tribe, or as the Portuguele writers affirm, the court of the fovereign 311.

It is by no means necessary to affert, that Mosambique is identically Praism, or the Zimbaes Agifymba, but the coincidence of latitude led the Portuguese almost to a man to give credit to the one, and the coincidence of found " has left a conflant belief of the The Portuguese pilots were many of them well read in Ptelemy. It is from information of this fort that Di Barros maintains that Sofala is almost surrounded by a river iffuing from a lake called Maravi, which the ancients supposed to be the origin of the Nile: a charge not very unjust, if we consider that Ptolemy has

Portuguele, as the forme from whence all the gold duft at Sofals, and on the coult is sequired. There is find to be a gold mine in that kingdom called Manica, and others of Olver, as Faria affirms, (vol. lil. p. 1481) and gold is also found in the fireams which come down from the mountains. Their mountains, whom Rennell calls the Belt of Africa, Di Barras places between the equator and tropick or Capricorn. What their breadth is, or whether they communicate with those of Abyfinia is fill problematical. That they do, is highly probable; and as they throw down the Nile to the worth, on the fouth they may well produce the Zamhere, in river of Cunning or Quillmane ; as well us the Obit and Quilimance at Pare and Ampaga, and the gran lake which all fpeak of with for much sourceday. We may imposts all their tirets which come to the fourte productive of gold as well as the river of Renometapa. And so the kingdom of Abyfilms in its more flournlying thate certainly extended its influence.

*** Benomotups is celebrated by all the to Magadoxo, in latitude 5° north, in may we discover the mrans by which, in all ages, the gold duft of the fouth found its way into that kingdom. Broce lays it has no gold of its own, and yet gold by the ounce, and brinks of fult are the current colu of the kingdom. This method of procuring gold in Abyllmin from the fouth was known both to the Greeks and Aralm, and must apparently have been the pramary cause of their voyage to the fourth, and pelitibly of that performed by the Iduments, Phedeiro, and Solimon to Ophie, if Ophie and Setula by the fame.

> Di Barros, in Ramusio, p. 261, vol 1. Barbola, shid, vol. i. p. 233 Marmol, vol. iii. who supplies Di Barrios-

> To Annille calls there Zinhas or Mirchinbut, and forms to think them the fame as the Gallan, who have been the pell of Abythma for many continue part. The lake here use tierd he foll introduced into a map compoled for Le Grande's comm of Lobo = 1718.

brought the fource of that stream into 12° 30° 0" fouth, though Di Barros himself is as bold in his affertion when he derives from the same lake " the Zambeze, with all the streams of Cuamo, the Espiritu Santo which falls into the sea below Cape Corrientes ", and another river which is to traverse the whole continent into Congo.

At this river of Zambezè we have a right to confider the discovery of Gama afcertained, as he had here united his circumnavigation with the route of Covilham; but we must conduct him to Quilou, in order to make him meet the limit of the Periplis at Rhaptum, and to Melinda, before he obtained a pilot to conduct him to the Indies.

It was not till the 24th " of February that the fleet was repaired and ready to fail; and it is remarkable that the people had fuffered much here from the feurvy, notwithstanding the country is said to have abounded with smits of various forts in abundance; the distaste is imputed to the lowness and humidity of the coast, and the humanity of Gama is recorded as opening all his own stores for the relief of the afflicted. Upon the resumption of his course he kept along the coast for fix days, and upon the first of March came in fight of four islands that lie off the port of Mosambique. It is upon the approach to this port that Castaneda first mentions boats furnished with fails; and no sooner did this fight meet the eyes of the navigators than Coello, running up along tide of his commander,

[&]quot;Mirmel Speaks of a Linke Zaflan, here. "See Di Barres, in Ramulio, col. I. which he confounds with the Tfana or Dembed p. 386, at feq. 116 An. 1458.

cried out, " How fay you, fir, here is another kind of people," and fuch indeed they found them, for Molambique was at this time under the government of Quiloa, the lovereign of which was mafter of the coast from Bosala to Melinda ", with most of the islands in the neighbourhood. From the colour of the voyagers they were cafily militaken for Turks", with whom the Moors were necessarily acquainted in the Red Sea, and for this reafon, upon the first interview every civility was imparted, and pilots granted at their request. With the discovery of this mistake, and the treachery in consequence of it, we have no concern, but with the appearances that evinced an Indian commerce Gama had every reason to be gratified. The vessels were fuch as traded along the coaft, large, but without decks, the feams fewed with cayro, or cordage made of coco, and the timbers fastened with the same without a nail throughout. The fails were mats composed of palm leaves; and many of the larger fort had charts " and compaffes ". The Moors of the Red Sea and India received here the gold of Sofala in exchange for their commodities; and the town, though meanly built, furnished abundant specimens

and Melinda was preparing for a result.

Moore of Barliary, according to Oforms. But this is supposing that the natives of Mofumbique knew that they had come round the Cape. It is much smare probable that they toppoled them Turks from the Red Sex who had been down to Sofala, or had been driven socidentally to the fouth.

²⁵⁰ And quadrants, Charins fays; but perhape without futherest unthority. I have not

Montage excepted, which had revolved, the Latin werk of Oferins, but suppose he might air allmilabe, which is remicred quadrant by his franklator; this would not prove a knowledge price to the Russpeans, for the Arabick ferm is affirmlab, evidently corrupted from the Greek, and flows Its origin as really sa buildla. See Chamb. Did hi vocs.

att The Archick term for the compute in buffoli, a certain proof that they derived it from the Italians who tended to Alexandria. Mickle, laxx. See figura.

of pepper, ginger, cottons, filver rings, pearls, tubies, velver, filk, and various other articles of an Indian trade. The inhabitants were mostly Caffres, but the government was in the hands of Mohamedans from Arabia, and as the commander had feveral who could fpeak Arabick on board, a communication was readily opened, and intelligence foon obtained that the voyage to Calicut was regularly performed, and the diffance about nine hundred leagues.

The fleet remained at Mofambique and in the neighbourhood till the 24th of March, and then made fail along the coast to the northward ". I should have been glad to have conducted Gama to Quiloa, as I effects it the Rhapta of the Periplias; and I could have wished to have ended his navigation from Europe where I terminated that of the Greeks from the Red Sea; but partly from treachery and partly from accident, he was carried past Quilos, and proceeded to Mombaça; the same treachery attended him at this place as before, which deterred him from entering the port. Some of the people, however, landed and found a city much more splendid than Melambique. Here likewife were found all the commodities of India with the citron, lemon, and orange, the houses built of stone like those of Portugal, and the inhabitants chiefly Mohamedans, living with all the fplendour and luxury of the eaft.

The flay of Gama at this place was only two days, when he proceeded to Melinda and came to an anchor upon the 17th of

^{10.} It may not be improper to notice that is then in the Thanna that we call Northe language of the court flyles the counte to way thips, Dance, and Swedes, cuft country the porthward end, and to the Cape well. It things.

March 1498. There is no harbour here but an open road ", the city, however, was splendld and well built, with houses of several stories, and the appearance of wealth throughout, evinced the extent of their commerce and their communication with India. Here though Gama was not without suspicion, he experienced every act of friendship and hospitality; and this, because Melinda was inclined to hospitalities with Quiloa, andready to receive every one as a friend who had experienced injuries in a rival city.

We are here to take our leave of Gama; his discovery was ascertained, and after having conducted him within the boundary of the Greeks and Romans, the object for introducing this narrative of his voyage is answered. It is but justice, however, to notice, that he reached the long fought shores of India, and visited Calicut, the centre of Indian commerce, without any particular misfortunes, but such as are natural to a first attempt. He returned to Lisbon in 1499, where he received every honour which a generous sovereign and grateful nation could bestow.

He was again benoured with the command of a fquadron in 1502, when the ftyle of his commission was that of admiral and governor; and he returned 250 a third time in 1524, under the reign of John III. when he was raised to the title of viceroy and count de Vidigueira. During this command he died at Cochin in 1525, after having the satisfaction of living to see the power of his country paramount in the seas of India, from Malacca to the Cape

¹⁹⁹ Such as are the Ogus of the Periplus

Faris, vol. i. p. 63, and 280.

of Good Hope. A power which she maintained for upwards of a century, and lost at last by the loss of those virtues by which it had originally been acquired.

Gama was formed for the fervice to which he was called, violent indeed in his temper, terrible in anger, and indden in the execution of justice, but at the same time intrepid, persevering, patient in difficulties, fertile in expedients, and superior to all opposition. No action can entitle the most illustrious to the character of great, more than the fortitude he displayed when detained in Calicut by the Zamorin, and when he ordered his brother to fail without him. that his country might not be deprived of the fruits of his difcovery. To the virtues of a commander he added the religion of a Christian, and though the religion of his age was never without a tincture of chivalry and superstition, in one sense at least his religion was pure. It was religion that supported him under the perils he encountered, and a firm perfusion that it was the will of Providence that India thould be discovered. The confequence of his discovery was the fubversion of the Turkish power, which at that time threatened all Europe with alarm. The eaft no longer paid tribute for her precious commodities, which palled through the Turkith provinces; the revenues of that empire were diminished; the Othmans ceased to be a terror to the western world, and Europe " has rifen to a power which the other three continents may in vain endeavour to oppose. Portugal it is true has loft her pre-eminence in the east, but the still retains Brafil, which was the accident of her Oriental voyages, and

²¹⁷ South is the opinion both of Abbe Ray. See in Mickle, p. 83. a citation from Furia nal, Mickle, Dr. Camphell, Harris, &c. &c. to this effect.

which has prolonged her existence as a nation to the present

The reader will pardon this digreffion in favour of a man whom no historian ever contemplated without admiration, but if the history of the man does not attach to the purpose of the previent work, the account of his voyage is one of its constituent parts. Our design has been to shew all that the ancients performed, or could not perform, and the voyage of Gama has been detailed, with all its difficulties, in order to prove the unter improbability of any previous navigation round the Cape. I will not say it was impossible, but I think it impossible to have been once performed and never prosecuted; I think it impossible that it should have shood upon the page of history as an insulated fact, through a lapse of one and twenty centuries, without imitation or repetition of the experiment.

AXVIII. It remains still to shew the relative situation of the Arabs on this coast of Africa, such as the Greeks and Romans less them, and such as the Portuguese found them upon their arrival in the Eastern Ocean. The Periplus mentions that the Arabs of Rhapta were subject to the sovereign of Maphartis, and Maphartis itself was one of the dependencies of Sabéa or Yemen. They employed the vessels sewed with coco cordage, from whence the name of the place, and they traded to India, Arabia, the Red Sea, and Egypt. Arabs of the same description Gama found here after the expiration of thirteen centuries, the same vessels on the coast, and

and the fame foreign trade. One circumflance indeed was different, the religion of Mahomet had at the fame time introduced fuperior vigour, and a more extensive commerce, engendered a hatred to the Christian name, which excited that malice and treachery which Gama experienced, and which, perhaps, without a difference of faith, the rivalihip in commerce must necessarily have produced.

Of these Arabs there were two diffiner parties, one called Zaydes or Emozaides, who were the first settlers upon record, and the other tribe from Baca in the Gulph of Perlia near Bahrein and. The Emozaides were hereticks of the fact of Ali, they came from Yemen, and feem to have occupied the coast of Africa, after the time of Mahomet, in the fame manner as their Heathen brethren had fettled there in the age of the Periplus. The tribe from Baca were Sonnites or orthodox, who hate the Shiites worfe than Christians; they had seized first upon Qulloa, and had extended their power for two hundred miles along the coaft, but from their internal diffentions were declining in power when the Portuguese first arrived in the Indian Ocean. Upon the introduction of this tribe from Baca ", the Emozaides retired in and and became Bedouins 100, they intermarried with the natives, and flill exist as black Arabs, little diffinguished from the Caffres who are found both on the continent and in the iflands ", which lie in the Molambique chaunel, and even in the ifland of Madagascar.

The

et fen.

10 Europe, in Ramnins, val. i. p. 180.

et fen.

10 If we may judge from Nichalu they aught

to be of the tribe Bed Houle, in Omas.

*** Wandering telless that live is north.

*** The bing of Johnson is prehaps of this.

The whole coast below Mombaça was under the power of these Sonnites from Baca; but Mombaça had revolted, was independent, and had a sovereign of its own, who was a Sonnite; while Brava and Magadoxo were styled republicks, where the power was in the hands of twelve the principal families forming an aristocracy, perhaps as conspicuous on that coast as Venice was in the Hadriatick.

This flate of the country is perfectly analogous to the defeription of it in the Periplus; every city, fays that Journal, was a feparate government, and every government had its independent chief. Such they were in that age, and fuch they might have continued if an European power had not arifen, which overwhelmed them all in a period of lefs than twenty years. Sofala, Mofambique, Quiloa, Angoxa, Ocha, Patè, Mombaza, Brava, and the Zanguebar Illanda,

call, half Arab and half Negro, as Sie William Jones fays the family came from the main. The proper name is Himman, which became Anjum, and Anjume early made Johnna by an English feature. It is one of the Comma files between Madagafear and the continent; and Comma fill preferres the more of Comra the Arabick same of Madagafear, the Island of the Moon.

principle in the mind of an Arab, and a patriarchal formeignty is the only one to which he can enturally fabrait. This it is which drives to unany petty tribes into the deferts, which they occupy from Melopotamia to the frontiers of Morocco, and from the course of the Fernan Gulph to Mofambique. The refidence in cities is summard to them, and though they do occupy places which they have

conquered, ftill every city must have its chief, and every chief finds a party within his walls which is hostile to his government. Niching has painted this spirit of the people most admirably throughout his work. Hut the Mihomedan religion has also produced an arithmetic eratick principle, futfiffing under all the delporifer of the cuft. The Ulemus, under the Turkiffs government, are an arithocomy between the monarch and the people; and whoever is acquainted with Oriental manuser, known that there were families which preferred a fact of rating power in Samarkand, Bagdat, Bairs, and all the principal cities of the eath. Such a junction of families might well exill at Brava and Magadoxo, when the Portuguels brit valited the good I and any povernment where there was no oftentible chief would suggest to them the idea of a republick.

all fubmitted to Diego Almeida, and Triffan d'Acugna before the year 1508. Melinda, which had always been friendly, loft all her importance, and Magadoxo only refifted with effect; but whether from the bravery of the people, or because it lay too much to the north to be of importance, is hard to determine. Had they not been conquered they must have funk in their importance from the natural course of events; the finews of their commerce were cut, and their thips could not fail without a Portuguele pals. The produce indeed of the coaff itself would ftill have maintained these cities from utter decadence, and brought foreigners to their ports; but the power of the Portuguele monopolized all profits, till it fell in its turn by the errors of the government, and by the avarice and peculation of its officers. Of all these conquests which do so much credit to their valour, and so little to their policy, Mosambique is the only poffession which has furvived the wreck of their empire; and this port is faid ffill to be a profitable fettlement, and to preferve an influence over the other flates, which have reverted again into the power of the Arabs; among these the Imam of Oman is the chief, and Quiloz and Zanguebar are governed by Sheiks of his appointment 181

It was my intention to have closed this account of the coast, and this part of the Periplus, which I call the African Voyage, with some particulars relating to the Arabian settlements, and their situation under the power of the Portuguese; but the whole of this subject has been so ably discussed by the writers of the Maturerial History, in their twelfih volume, and so much more at large than would have been suitable to the nature of the

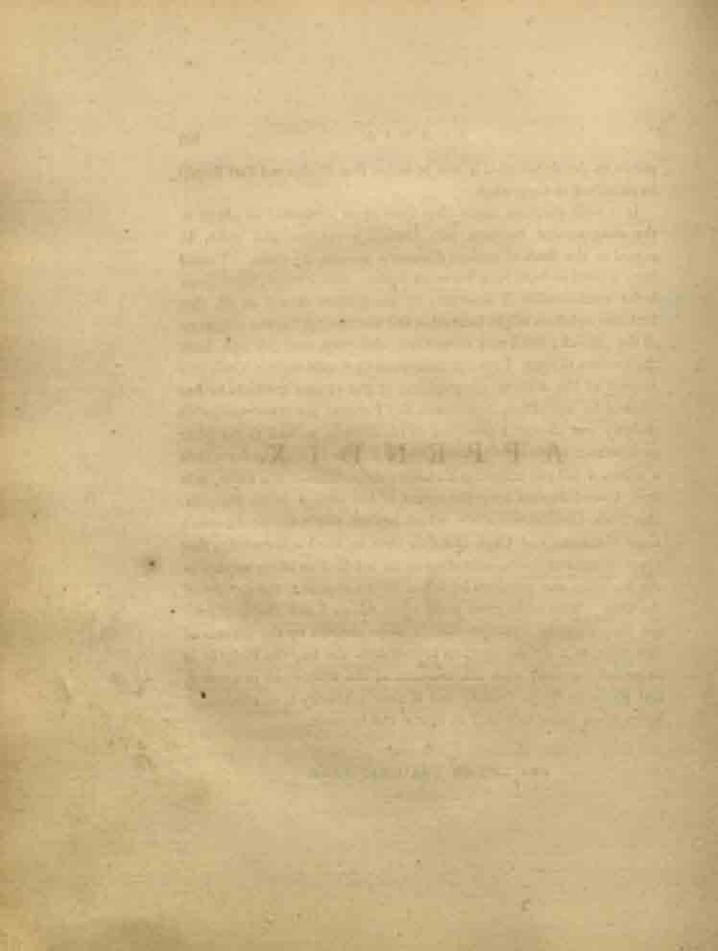
present work, that the labour is not necessary. Some particulars I had collected from Ressende's MS, in the British Museum, with which they were not acquainted, that might have been acceptable; but in general, the authorities they have followed are so genuine, and their own observations so just, as to admit of little farther enlargement upon the subject.

Here, therefore, I close the First Part of my defign, which was to examine the navigation of the ancients on the coast of Africa, from their first entrance into the Red Sea, to the termination of their progress to the south; and to connect their discoveries with those of the moderns, by fixing on the voyage of Gama as the point of union. The Second Part will contain two books allotted to Arabia and India, a fubicct less obfoure, but flill curious rather than amufing. The materials for the whole are collected, and will be published as foon as they can be reduced into form; but whether that period will be them or diffant I cannot prefume to calculate. I am fully fenfible that want of leifure ought to be confidered rather as a bar to publication altogether, than pleaded as an excuse for publishing a work incomplete or incorrect. But if time had been taken to complete the whole, it might never have been brought to the preis; and if the part now edited be incorrect, it is not from negligence, or from mitapplication of fuch leifure as I have, but from want of powers to perfect it to my own fatisfaction. It remains with the public 33

public to decide whether it will be better that the Second Part should be published or suppressed.

It is with extreme regret that I am again compelled to advert to the difagreement between Mr. Goffelin's opinion and mine, in regard to the limit of ancient discovery towards the fourth. I could have wished to have seen his work sooner, that I might have given it the confideration it deserves; or not to have seen it at all, that both our opinions might have been left undifputed, for the judgment of the publick; but I now cannot help observing, that although, from the pressure of time, I am not competent to decide on Mr. Gosselin's account of the ancient geographers, or the various methods he has affumed for correcting their errors, still I cannot but acknowledge his mafferly and fcientifick poffession of his subject, as well as the great perfeverance of his investigation; and if I differ in opinion from such a writer, I still pay respect to his talents and abilities. We differ, it is true, feveral degrees upon the extent of the voyage in the Periplus. But if Mr. Goffelin will allow, which he does, that it extended beyond Cape Gardefan and Cape D'Affui, then he must acknowledge that feven months of rivers, answering to the last division of the voyage in the Periplus, can nowhere be found till we approach the mouths of the Obii. This is the great proof upon which I reft the question; for supposing the Pyralaan Illands to be defined by the streams of that river, as it divides upon its approach to the fea, the Periplüs is in perfect harmony with the accounts of the Portuguete in general, and Reffende in particular; and if their authority is infufficient, I know of no better to which an appeal can be made.

THE END OF THE FIRST PART.



APPENDIX.

The APPENDIX contains:

- An alphabetical Camlogue of the Articles of Commerce mentioned in the Periplus, with an Account of their Nature and Properties, as far as is requifite for the Elucidation of the Journal.
- II. An Account of the Adulitick Infeription found in Abyllinia by Colimas Indicopleuftes, a Monk of the fixth Century.
- III. As Inquiry into the corrupt Reading of the Manufcript, in regard to the Word, firenesses and the Control of the Manufcript, in regard to
- IV. THE Form of the habitable World as imagined by Pomponius Mela, Cofmas, and Al Edriffi.

N. B. As thefe feveral Particulars are defigned for the whole Work when completed; they commence again with page 1, and will be accompanied by fome other Difquifitions on the Winds and Monfeons, on the Site of Merot, and on the Limit of ancient Difcovery towards the Eaft, with further Inquiries, if authentick Materials can be obtained. The Second Part of this Work will contain the Arabian and Eaft Indian Navigation of the Periplus, with the Paget numbered in order from Part the First.

ARTICLES of COMMERCE mentioned in the Periplus Maris ERYTHREI offigued to ARRIAN.

A

I. AGONDAN Abulla.

Ir this term be Greek, it is remarkable that it should not occur in any Greek Lexicon, and if it is Latin (as apparently it is), it is equally remarkable that a Greek merchant of Alexandria, such as the author probably was, should have introduced a Latin' term into his Greek catalogue; but Latin terms crept into purer Greek writers than our author, and commerce perhaps had adopted this, as expressing the actual garment which was neither used by, or formerly known to the Greeks. The Roman Abolla was a military cloke', perhaps not unlike our watch cloke. And the adoption of the word is not more strange than the usage of the English in adopting the French Surtout, or the French adopting the English Redingste (Riding Coat).

for of Anmay, nor all of cause quant quant solute to man an engagement speciment occurs and occurs a simulation occurs and occurs to occur a solution occurs and occurs of the Philosophers, and formus uniform Aballies. Juvenil.

⁺ The send Abolls is not in Do Capps.

It from some of rook. Prolony, for of John king of Manufamor, grandfor of Manufamor, grandfor of Manufamor, by School the daughter of Chapters, was killed by Caligrain, who was a great grand-

2. Αζολοι υάθοι χενμάτησα.

Single cloths dyed and imitating fome of a superior or different

quality. But fee Salmaf, ad Vopifcum.

ACoher, according to Salmafus (Piin. Exercit. 1062,) are fingle cloths, the fame as z = x sing, in opposition to dem xorder, or double; but whether this relates to the texture, to the ornaments wrought on them, or the confideration of their being with lining or without, fleems difficult to determine. Our weavers call a filk, /bot, when the warp is of one colour and the woof of another; and the word AGOAGO may be literally rendered unflot; but it does not follow that this is an accurate rendering of the term. Homer mentions garments both fingle and double; and Deborah makes the mother of Sifera fay, that her ion had perhaps brought home a raiment of needle work, of needle work on both fides, which is apparently correspondent to the tunick, which Ulysses describes to Penelope (Od. lib. T. 230.). If this interpretation, therefore, should be admissible, "Akakes yessuarive may be rendered plain cloths of one colour, and soles would express, that they were of an inferior quality. But see the term διπλουματός, Diog. Laertius in Diogene, p. 350. Horace. Duplici panns patientia velat. And the address of Plato to Ariftippus in Diog. Laert. Arillip. p. 67. Lol min didoras zi yhamida popin zi "You are the only Philosopher who can affirme with equal " propriety the dress of a gentleman (xxxxxxxxx), or the ordinary " garb (¿axos) of a cynick."

3. Adapac, Diamond.

The ancients certainly apply this word to our modern gem the diamond, but use it in a larger sense as we still use adamant, applied to other hard substances. But in the only passage where it occurs in the Periplus, it is mentioned on a coast where diamonds very probably were to be purchased, and is joined with the Hyacinth or Jacinth, and other transparent stones.

4. Alor. Aloc.

There are two forts of Aloe, one a bitter cathartick, and another an aromatick, by some supposed to be the fundal-wood. See Salm. Plin. Ex. 1056. It is probably used by the author of the Periplus in the former sense, as being mentioned on the coast of Oman in Arabia, where the Succotrine Aloe is naturally imported, as the island Socotra itself was under the power of the Arabs on the main, being subject to Eleazus king of Sabbatha, in the neighbourhood of Oman.

5. Audpidertes. Images.

These are mentioned as imported into Oman in Arabia, but whether as merely ornamental, or objects of superstition, does not appear.

6. 'Αργυρώματα, 'Αργυρά σκέυν, 'Αργυρώματα τετορουμένα. Plate, Plate polified.

These works in filver do not appear to be the beautiful produce of Greek artists, but vessels of plate adapted to the market. By the frequent mention of these articles they must have formed a considerable branch of commerce. 7. Agranner. Arfenick.

8. Accuara. Aromaticks.

Drugs in general are comprehended under this term (Sal. Plin. Ex. p. 1049, 1050).

9. 'Artion. Aspecies of Cinnamon. See Karria.

B

Bana Bdellium.

An Aromatick gum, supposed to be imported from Africa, but now seldom used. Salmasius the describes it as a pellucid exudation from the tree so called, not quite clear, of a waxy substance, and easily melted, called by the Portuguese anime; there are three forts, Arabic, Petræan, and Bactrian. It was imported, according to the Periplus, from Binnagara, or Minnagara [Bekker,] in Scindi, and from Barygaza [Baroach,] in Guzerat.

The 11712 Bhedolahh of feripture, Gen. ii. 12. Num. xi, 7. rendered Bdellium, is by the Rabbis rendered Chrystal, and has nothing in common with the Bdellium of the Periplus but its transparency. The word Bdellium stems a diminutive of the Bdella used by our author. Pliny, b. xii. c. 9.

There are fill found three forts, two African, rather of dark brown has, and one Africae, answering the descriptions of Salmation, generally brought to England among parcels of myrrh. There are sperimens of the African fort in the collection of Dr. Burgess.

the same of the sa

self allowed the state of the land of the

Tien. Ziyen. File. A species of cinnomon. See Kasaria. Zigeer in Perfick fignifies finall.

And contains see also do A

Acestrana, p. 8. Dieroffia. Clothe either fringed or Ariped.

Kappair and seconds, according to Salmafius, from Helychius, fignifies the fleps of a ladder, or in another fenfe, the cornice of a wall, or the battlements. Salmafius derives the word from sales, to flave, and interprets sales, locks of hair. Hence cloths, discovers, he fays, are those which have a fringe knotted or twifted.

But Homer uses the word twice. Ist. Keessas with the interpretation of Helychius, the cornice of the wall, or as it may be rendered the step of the parapet, a rim or line running round below the buttlements. Not differing, perhaps, from the usage of the word as used \(\mathbb{E}\) 35, where Homer says, the ships were too numerous to be drawn up on the shore in one line. The polar conference specially, they therefore drew them in lines one behind another like the steps of a ladder. Agreeable to the other explanation of Hespelius, or as Apollonius renders it, anoxygandapara, in stripes.

We may therefore conclude, that we cannot err much in rendering the Augiorus of the Periplus, either cloths fringed, with Salmatius,

^{*} Plin. Ecercit. p. 762. Sut Lemmy in woen. . . Ser Agolon, Lennen in von

or fleiped with Apollonius. So Virgil, virgatis lucent fagulis. The term used here is in conjunction with cloths. "Αδολοι...... λάντας ελ δικρόσσια, where perhaps αδολοι is in opposition to δικρόσσια, λίεται is the Latin word Lintes.

Analysis. Denarius. - The Roman coin, worth in general denomi-

It appears by the Periplûs, that this coin was carried into Abyffinia for the fake of commerce with strangers, and that both gold and silver Denarii were exchanged on the coast of Malabar against the specie of the country with advantage to the merchant.

ABERT, KITTE, AGERT,

Are joined in the Periplûs with Kaffia, and are supposed to be inferior species of the cinnamon. See Ramusio, in his discourse on the voyage of Nearchus, and Salmas, de Homonymiis Hyles latrices, c. xcii. c. xciii. a work referred to by Salmasius himself, but I have not seen it.

Δέλικα.

Slaves of a better fort and for the Egyptian market.

E

Examor. Oil of Olives.

Exiduc. Ivory.

Evolia. Fragrant Spices or gums.

* The gold Denarius, according to Arburth- the age of Nero.

act was the 45th part of a pound of gold in * Plin Exercit. p. 1070.

Zavas

Zavar cumtin.

Girdles or puries wrought or embroidered. A great commerce throughout the east is ftill carried on in fashes, ornamented with every fort of device, and wrought up with great expence. Exterdi does not occur in the lexicons, but probably means shaded of different colours.

Ziggibig. Ginger.

Not mentioned in the Periplus, but by Salmafius ", who fays the ancients knew little of it, and believed it to be the root of the pepper plant.

H

Human veryyon Mules for the faddle.

Оприяма мокоотв. Game or Incenfe.

Tudria Castaglia dyrata ra is Aryunty ynépina. Clothe. For the Barbarine" market, undreffed and of Egyptian manufacture.-The Barbarines are the ancient Troglodyte thepherus of

** Pha Exercit. p. 1070, " The well could of the Callyle of Arabia. ь

Umper

Upper Egypt, Nubis, and Ethiopia, very graphically traced and diffinguished by Bruce.

Tuarus Barbarine market, dreffed, and dyed of various colours.

Imarende Apalinde Angilorde des dinhas if à nouve if ouvernhaires.

Made up, or coating for the Arabian market;

т. Хидьбитос.

With fleeves reaching to the wrift.

- 2. O TE MENNES & sounds. See ACondi.
- 3. Екотихитер.

Wrought with figures. From the Latin Scutum, Scutulatus; the figure being in the form of a shield. A dappled grey horse is thus called Scutulatus.

- 4. Auxygores. Shot with Gold.
- 5. Hohutshus.

Of great price.

6. Nodoc.

In imitation of a better commodity.

7. Megaroriesgog.

Of a better quality, or in great quantity.

В. Пантойсь

Of all forms.

9. Heldperg groldperg.
Of thicker woof, or larger woof than warp.

"Innt. Horfes.

As prefents, and as imports into Arabia.

K

Kaysauer. Kanhamus-Gum Lack,

According to Scaliger; and Diofcorides calls it a gum. But Salmafius rather inclines to think it a drug like myrch. Lack was used as a purple or blue dye by the Imligo dyers. Islandan. Salmas. Plin. Exercit. 1148, 1152. Plin. xil. 20. See Pomet's Hiftory of Drugs, b. viii p. 199, who says gum of four colours was found in one lump. He does not hold it to be Gum Lack, but that It has a finell like it; it is found in Africa, Brafil, and Saint Christos pher's. Pomet's Specimen was from the Well Indies.

Kakrie, Kallis - A Gold Coin.

According to the Periplus it was a coin of this name current in Bengal, and that the metal was collected from a mine in the neighbourhood. Stuckius fays, a coin called Kalais is fill current in Bengal, on what authority does not appear. Paolino notices the word, but I cannot recal the passage to my memory.

b 3

Киримгод.

Kappagos. Karpofus-Fine Muffins.

Opposed to ordinary cottons. It is remarkable that the native Shanskreet term is Karpasi, as appears by Sir William Jones's catalogue. Asiat, Res. vol. iv. p. 231, Calcutta edition. But how this word found its way into Italy, and became the Latin Carbasis (sine tinen) is surprising, when it is not found in the Greek language. The Kapussus Alex of Paulanius (in Atticis), of which the wick was formed for the lamp of Paulanius (in Atticis), fo called from Karpasos a city of Crete. Salm. Pl. Exercit, p. 178.

Kagala, Cufia.

This fpice is mentioned frequently in the Periplus, and with various additions, intended to specify the different forts, properties, or appearances of the commodity. It is a species of cinnamon, and manifestly the same as what we call cinnamon at this day; but different from that of the Greeks and Romans, which was not a bark, nor rolled up into pipes like ours. Their's was the tender shoot of the same plant, and of much higher value, fold at Rome in the proportion of a thousand denarii "to sifty; it was found only in the possession of Emperors and Kings; and by them it was distributed in presents to savourites, upon solemn occasions, embassies, &cc. This fort we must first consider, because they themselves applied the name improperly, having it derived by their own account from the Phenicians", and giving it to the same production, though in a different form and appearance from that by which it is known to us.

The kinnamomum of the Greeks and Romans was necessarily derived from the Phenician", because the merchants of that country first brought it into Greece. The Greeks themselves had no direct communication with the east, and whether this spice was brought into Persia" by means of the northern caravans, or by sea into Arabia, the intermediate carriers between either country and Greece were of courfe Phenicians. It will therefore be no difficult matter to prove that the Phenician term exprelles the cinnamon we have, and not that indicated by the Greeks and Romana. The term in all thefe languages fignifies a pipe, for the Hebrew 719 Kheneh, is the Latin Canna; and Syrinx, Fiffula, Cannella, and Cannelle, convey the fame idea in Greek, Latin, Italian, and French. The Hebrew term occurs in Exodus xxx, 23, 24, joined with Cuffa, as it is almost universally in the writings of the Greeks and Romans. It is flyled fweet cinnamon, and is written DOI 1210 ". Khinemon Befem, the fweet or fweet fcented pipe, and the word rendered Caffa by our translators" is 7739, Khiddah, from Khadh to fisht or divide longways. These two terms mark the principal diffinctions of this spice in all these languages, as Khinemon Besem, Hebrew; Calia Syrinx, Greek; Casia Fistula", Latin; Cannelle.

[&]quot; See a cureous milhake of l'hity's noticed by Lucchers of turning the Phenisman into a Flurmis. Tom iii 7-349.

[&]quot; By Perin is ment the whole empire.

¹⁶ The whole 55th shapter is wurth confalting on this contain fut it Co as it proves that many of the Oriental Spices and odours more even in that early age familiar in Egypta

¹¹ If from this chapter of Exodin are proven that common was known to the Hehrews in the age of Mofes, we have a focused proof of dree date, for Salestine wide, as were in

mics from Diadarus, like i xer, tons is paragra-

Largebray times of p. 3 4: 40 The Call Hillar of the markets is a drug totally dillicit, it is a facility of fema which comes from the Lavaur, Egypt, Breide unit the Autillia, and is a corruption from Aeneite Sidm fille En je 540 Certe Cathe comes pro to specie qualitable absumes. after the following parties of the first first for grown life. p. 1056. This consequence was of our maare being afed in the embalment of the Munn- onte him tree-day or amplifing arms. Collain Fillulance

Cannelle, Franch; Khiddah, Hebrew; Nylo-Calla", Greek; Cafia

Lignes, Latin.

Whether the Greeks and Latina derive their term from the Helnew libine man ", or from the compound khench-assomum, is not fo easy to determine, for amomum is a general term " for any drug or spice, and kin-amomum in this form would be again the spice-campa, the casia fishula under another description. But that the casia fishula and the casia lignes are marked as the two leading distinct species, from the time of Moses to the present hour, is said evident. And I now say, that if the Romans applied the term cianamon to the tender shoot of this plant, and not to the pipe cianamon, such as we now have it from Ceylon, their use of the word was improper. That this was the case there is reason to think, but that there was some obscurity, or sluctuation in their usage is certain also.

Salmafius " quotes Galen to prove that the plant itself was brought to the emperor Marcus Aurelius, from Barbarike ", in a cafe feven

Fifialisa Latinis diffem, eam que purgandi via balet. See alfo Ramatio, val. i. p. 382.

¹⁷ This Species is difficulty numbed in the Rowan Law de publicacia, by, voi. D. Cada-Syrius, Xyla-Colla. Salm 1955, ld. is Canticle Salamonic Number. Croms. Fillula circuronnom. It is called Σελορογοί, Hard Cafia, in the Periples.

The foundation doubted, but probably from the termination doubted, but probably from the foundation. It is in this form Heaven. The parallel food of front. And hence IDCID, the peculiar comm, by way of pre-emission. Parkhard derives it not from TIP, earns, but from DIP, khansen, to mell strong.

but be allows there is no furth certs in Hebrew, I cannot being thooking that pure rapp. The knowledge the pure rapp. Whitemed being, bare the functions. The knowledge themas, the force this group. Make a historial the force ellipse, it is certainly on technically the celiman amountless.

40 Edm. 101.

12 Fin En p. 1304 Galen de Amidotie.

Burburke is perhaps not a proper name, but the part frequented by the Hubburs of stall or Mo illon. It is the must in Scientibut whether Patula or Miningson, is difficult to determine.

feet long, Galen faw this, and there were other cases of a smaller fize, containing specimens of an inferior fort. This, therefore, most be in a dry flate; but this he says was the true cinnamon. Undoubtedly it was, for the plant Itfelf, and the fpice, as we have it, in its usual form, have this difference and no more. But Galenfave, in another passinge", that casia and cinnamon are so much alike that it is not an eafy matter to diffinguith one from the other. And Dinfcorides writes, "Cafia grows in Arabia; the best fort is er red, of a fine colour, almost approaching to coral, firsit, long, se and piny, it bites upon the palate with a flight fenfation of heat, " and the best fort is that called Zigir, with a feest like a role." This is manifoldly the cinnamon we have at this day; but he adds, " cinnaman has many names, from the different places where it [is " procured or grows. But the beff fort is that which is like the " cafia of Mofyllon, and this cionamon is called Mofyllitick, as 44 well as the calia." This therefore is only a different fort of the finne spice, but it does not grow either in Arabia or at Mosyllon, it took its name from either country, as procured in the marts of either. This traffick is explained in the Periplis, but Diofeorides was unacquainted with it. The defeription" he gives of this cinnamon is, " That when fresh, and in its greatest perfection, it is of a at dark colour, fomething between the colour of wine and [dark] 44 ash, like a small twig or spray full of knots, and very odoriferous." This is manifestly not our cinnamon, but the fame as Galen's, the tender thoot and not the bark. It is worth remarking that Diofcorides lived in the reign of Nero", and if the true fource of cinnamon was

^{**} See Rumuffin, ect. i. p. 282. The whole p. 442. He is equally laddered to defend at this is from Russian.

then just beginning to be known by means of the navigation detailed in the Periplus, this knowledge had not yet reached Afia." Minor or Rome. Pliny who lived a few years later had just arrived at this information, for he fays expressly, Mosyllon was the port to which cinnamon was brought.", and consequently the port where it was procured by the Greeks from Egypt, and through Egypt conveyed to Rome. It had long been procured there, and long obtained the name of Mosyllitick, but it was now known not to be native, but imported at that place.

The trade to Mofyllon was opened by the Ptolemies; ffill before the exillence of a Grecian power in Egypt, the Greeks had probably little knowledge of it, but from the importation of it by the Phonicians; and the Phenicians received it, either by land carriage from the Idumesus of Arabia, or when they navigated the Red Sea themfelves with the fleets of Solomon, they obtained it immediately from Sabea; perhaps also, if Ophir is Sofala on the coast of Africa, they found it either at that part, or at the others, which the Greeks afterwards frequented. These lay chiefly in Barbaria, (the kingdom of Adel,) comprehending the ports of Mofellon, Malao, and Mundus, where it was pollibly always to be met with. This commerce indeed is at hell only conjectural, neither could it be of long duration, as it ended with the reign of Solomon, and was never refumed; but that the Phenicians had a fettled intercourse with Sahea we learn incontrovertibly from Ezekiel", and that Sabea was the centre of Oriental commerce, is proved in our account of the Periplus.

that whether he work there is at Rose, 1 Reality. Like et c. 19.

Lave not been able to difficulty.

Cap. a ville v. 19. Shaha is Salam.

It is this circumflance that induced all the early writers to impute the produce of India to the foil of Arabia; an error which crimmenced with the first historians extant, and which existed in history all the age of Pliny; and in poetry almost to the present hour, Falde is the legitimate progeny of ignorance; we are not to wonder therefore when we read in Elerodotus", that cafia grew in Arabia, but that cinnamon was brought thither by birds from the country where Barchas was born, that is India. The term used by Herodotus indicates the cianamon we now have, for it figuines the peel, hull, or find" of a plant, and evidently points out the bark under which form we still receive this spice. The error of Herodorus is repeated by Theophraftus, who affigns both caffa and cinnamon to Arabia "; this intelligence I receive from Bochart, and I am obliged to him also for a very curious citation from Uranius, in Stephanus de Urbibus, who fays, the country of the Abafenes produces myrrh, aromatick gums, or odours, frankiucenfe, and the bark [of cinnamon]". This paffage is valuable as the first instance extant in which the name of Abylinians is mentioned. But it is not to be depended on, unless it can be referred to the conquests of that nation in Arabia, for these Abaseni are evidently joined with the Arabians of Sabes and Hadramant.

But whatever errors are to be found in ancient authors, relative to the production of fpices in general, and cinnamon in particular,

⁴ Lib iii p: 171 co. Weff, and p: 250, Jones, Af. Ref. 19 110, 111. where he mentume a firming table of frapants which goard the frankincenie.

[&]quot; Figure from Figure, arctions, to der, and home the dry built, peri, or the of a plant or fruit.

¹¹ Birchiert, vol. 1 p. 105. Sir William cuites.

If H gains the Affaireds Plan and from Equal In | and Suniagen and EEFHARON. Bochurt. you by the Kipenion is probably the King des of Havedonis, unless it is a falle coaling the Comme or Angerson, out of the terms for

still that they found their way into Egypt, Palestine, Greece, and all the countries bordering on the Mediterranean, in the earliest ages, is a fact. This admits of proof from the thirtieth chapter of Exodus, and we have traced the course of their introduction in the

preliminary difquifitions of the first book.

We may now, therefore, proceed to examine the various forts of this fpice, mentioned in the Periplüs, which amount to ten; and very remarkable it is, that the modern enumeration of professor Thunberg should comprehend just as many species. Not that it is to be supposed the species correspond, but the coincidence of number is extraordinary. It is worthy of notice also, that cinnamon is a term never used in the Periplüs, the merchant dealt only in easia, cinnamon was a gift for princes; there is even in this minute circumstance a presumption in favour of his veracity, not to be passed without observation.

His ten forte are,

I. Mosun Arrive. Mofyllitick.

So called from the port Mofyllon, where it was obtained by the Greeks from Egypt, and whither they always reforted from their first passing the Straits of Bab-el-Mundeb. It was the casta fistula, the same as we now have from Ceylon, and imported at Mosyllon directly from India, or from the Arabian marts on the ocean, which were rivals of the Sabeans. It is mentioned by several authors as the best fort, or inferior only to Zigelt, and therefore could not be native: there is indeed cinnamon on the coast of Africa, but it is hard-

hard, woody ", and of little flavour. The regio cinnamomifera of Prolemy, bears no other fort but this; he places this tract at the boundary of his knowledge, that is, between Melinda and Molambique, and if it is in any way entitled to the name, it cannot be from its own produce, but on account of the importation of the fpice from Indian the traders who found it there, might suppose it native, in the same manner as the early writers speak of the Mosyllitick, and which (as has been already noticed,) Pliny first mentions as imported. The Mofyllitick species is rarely called cinnamon by the ancients, but cafe only. Their cinnamon was exhibited as a rarity. as that of Marcus Aurelius before mentioned. Antiochus Epiphanes" carried a few boxes of it in a triumphal proceffigur, and Seleucus Callinious prefented two minæ of this species, and two of cafia, as the gift of a king to the Milefians. The cafia or modern cinnamon was found formerly in Java, Sumatra, and the coast of Malabar; from the coast of Malabar it found its way to Africa and Arabia; but when the Dutch were mafters of Cochin", they deffroyed all the plants on the coaft, in order to fecure the monopoly to Ceylon; and none is now met with on the coast, but an inferior wild fort, used by the natives, and brought sometimes to Europe for the purpofe of adulteration.

12 Atlantas, Bb. v. p. 195. Ela fa. p. 105. grew any where but in Ceylon.

⁴⁴ Seven different forts Oriental, and two American, I have feen in the collection of Dr. Burgeles and an African species which is not a back, but a mere stick, with little flavour. It answers well to the character of an appropria-

[&]quot;The Dutch die scenfed of this by their rivals, as well as diminibiling the growth or naturegy, etc. in the Moinces iffend. But i observe in the secount of Hugh Boys's anlatify to Caplan (Ind. Annual Reguler, 1799), as affertion, that the true sintaman never grew any where but in Caylon.

2. I'Kue, Ziyese, I'K. Gizzir, Zigeir, Gizi.

This fort is noticed and deferibed by Dioleorides, as already mentioned; and to his defeription I can only add, that Zigeir, in Perfian and Arabick, as I am informed, fignifies fmall. The finaller bark must of course be from the smaller and tenderer shoots, which is still effected the best; the harder and thicker bark is cut and made to roll up in imitation of this, but is inferior, though from the same plant. This at least is supposed; but I do not speak from authority.

3. Anden Alyphe.

This term, if not Oriental, is from the Greek acriques, alyphelos, fignifying cheap or ardinary, but we do not find alyphe used in this manner in other authors; it may be an Alexandrian corruption of the language, or it may be the abbreviation of a merchant in his invoice.

4 Враца Акопа

Aroma is the general name for any fweet-feented drug, but it is twice inferted in a lift of caffas, and is therefore probably a species as well as the others. It would intimate an aromatick finell or flavour, and is possibly one of superior quality. It is remarkable that Moses uses the same term of sweet-scented connamon.

3. Malyan Might.

A species unknown.

we I don't this relation at the time time I whether the Grank term egits by and a corresponding in a but an impairy might fill be smalled the grane.

G. Maril

G. Mora. Mots.

A fpecies unknown.

7- Endagorage. Schrotera.

From the Greek Example, hard This is a term which occurs frequently, and perhaps diftinguithes the calla lignea (wood cinnamon), from the caffa fiftula, (cannelle or pipe cinnamon,) it may, however, figuify only a hard and inferior fort, in opposition to brittleness, which is one of the characters of the superior species.

8, 9, 10. Avana, Korra, Adnag. Duaka, Kuta, Darar.

All unknown. But Salmafius and other commentators agree in supposing them all to be species of the same spice.

There are the ten forts enumerated in the Periplûs". Professor Thunberg, who vifited Coylon in his voyage from Batavia, reckons ten forts likewife. Four of nearly equal value and excellence, three that are found only in the interior above the Chams", in the government of the king of Candi; and three which are not worth gathering. The most remarkable which he mentions are:

The raffess or penni-curundu, honey cinnamon, and capuru eurandu, or camphor cinnamon, from the root of which camphor is diffilled; this last is found only in the interior. The cionamon for the European market was collected in the woods by the natives

is They other forth may be collected from couff is a level, the interior is high and table by the king of Good's the Dutch had, and

> Sor Knon's Hillary of Cerlan, p. 15. employed

Galen | Arebo, and Duplonia. Lurches, Hes hint: All above the mountain is full pellified rad tal H p. 145.

¹⁴ I use the time improperly, but Crylor English have, only the confipartition of the nature of the continent, the

employed in the Dutch fervice, but has fince been planted on the fandy downs on the coalt; these plantations, besides their convenience, are so thriving, that the practice is likely to be continued. Can I conclude this account without observing that this rich and valuable illand is now in the possession of the English, and without a prayer that the commerce may be conducted on more liberal principles, and the natives treated more generously by them than by deale predecessors. The knowledge which the ancients had of this island will be treated at large in the Second Part of the Periplus, and it is to be hoped that the present governous Frederick North, whose mind is stored with ancient knowledge, and whose attention is alive to modern information, will communicate his researches to the publick.

I have only to add, that the Shanfkreet names of this fpice are favernaca and ourana, as I learn from the Afiatick Refearches, vol. iv. p. 235, and that Salmafius mentions falihaca as the Arabick appellation, which he derives from the Greek Boxes, lignes, or woody, (p. 1306.) but which, if I did not pay great respect to his authority, I should rather derive from Salike the Greek name of the island in the age of Ptolemy. I have now only to request that this detail, too prolix for the work, may be accepted by the reader, not as the natural but the classical history of cinnamon.

Karcinges. Tin.

Tin is mentioned as an import into Africa, Arabia, Scindi, and the Coaft of Malabar. It has continued an article of commerce brought out of Britain in all ages, conveyed to all the countries on the Mediterranean, by the Phenicians, Greeks, and Romans, and carried

ried into the Eastern Ocean from the origin of the commerce. It is only within these sew years it has found its way into China in British vessels, where it is now become an article of such magnitude, as greatly to diminish the quantity of specie necessary for that market.

Karrolugies, Harsonaniya, Kalakira. Kattyburine, Patropapige, Kabalite. Peripl. p. 28.

Different species of nard. See Nagder.

Kaupakas andal a madas, Kaupakas,

Coverfids plain of so great value, (or according to another reading, not many,) with the knap on one fide. Hefyehius and Phavorinus, cited by Hudfon.

Kozashiepowra. Kolandiophonta.

Large Ships on the coast of Travancour, in which the natives traded to Bengal and Malacca. They had vessels also called Sangara, made of one piece of timber, which they used in their commerce on the coast of Malabar. The Monoxyla of Pliny, employed in bringing the pepper down the rivers to the coast. Lib. vi. p. 23.

Kapakiev. Corol.

Koores . Coflus, Coflum,

Is confidered as a spice and aromatick by Pliny, lib. xil. c. 12.

It is called radix; the root pre-eminently, as nard, is flyled the leaf.

Coftus

	fremank that he the con-	Myssh	- 5	33.7	y talong.
	de by Seleucra Callingua to	Cutta	#	-	a panula.
the Milelans there	thould be this difficultions	Concernor		14.17	a pounda.
Frankincenfe	a to thienthe	Contra	-	50 A.C.	1 pounds:
		3.			475

Coffus being, as we may suppose, the best of aromatick roots, as nated or spikenard was the best of aromatick plants. This supposition explains a much disputed passage of Pliny. Radix et Folium Indis est maximo pretio; the (root) costus, and the (plant) spikenard are of the highest value in India. Radix Costi gustu fervens, odore eximio, frusice alias instill; the root of the costus is not to the tasse, and of consummate fragrance, but the plant itself, in other respects, without use or value. It is found at the head of the Pattalene, where the Indus sirst divides to inclose the Delta, of two forts, of which that which is black is the inferior fort, and the white best. Its value is sixteen denarii", about twelve shillings and eightpence a pound. Thus having discussed the costus or root, he proceeds to the leaf or plant. De solio nardi plura dici par est, but of this hereafter. It is here only mentioned to give the true meaning of the passage.

This root is faid by Salmafius to grow in Arabia as well as India; and I do not find that it has acquired any European name, though it was formerly much used in medicine, and called the Arabian or true cettus. It always contracts a bitterness, and grows black by keeping, which probably accounts for the white being more valuable (as Pliny fays), because it is fresh. Mr. Geoffroi, a French academician, mentioned under this article, in Chambers's Dictionary, continers it as the European clacampane root, which he afferts, when swell fed and prepared, has the properties of the Indian aromatick.

Coffus corticolus bark, coffus has a feent of cinnamon.

The reason is orident; translatence and and colons were Last India commodities, myrth were procurable in Arabia, which hore See Chilbail, Antiq. Attat. p. 75.

dered on his own kingdom. Curis, communica, "The numbers in Play we delicant.

Λ

Andrews 12.

A gum or refin from a plant called leda, lada, or ledum, a species of ciffus. It is of a black colour, from Arabia; the East India fort is very heavy, and like a grit-flone in appearance. Dr. Burgess informs me that it is adulterated with pitch from Pegu.

Adans Xgoparost. Lacent. Coloured Lack.

Is a gum adhering to the fmall branches of trees, supposed to be deposited by an insect.—When taken off and melted it is reddish, formed into granulated seed, lack for japanning; into shell-lack for sealing-wax. Pomet. book viii, p. 200.

A dye of the red purple, (according to Ramusio, pref. to the Periplus, laces de tingere) but Salmatius, Plin. Exercit, p. 1160, says it is a cloth of this colour.

Airria, Linen, from the Latin lintea. See Ipariopist.

Alexes. Frankincenfe".

Allang & sugarneds. From the Coult of Adel.

A gum or refin fufficiently common in Europe flill; originally introduced from Arabia only, and uled by the nations on the Medi-

terranean under the denomination of thus and libanus which are fynonymous. Its name is derived from כבן, laban, white, Heb. and 1215, loban, Arabick, became the purelt fort is white" without mixture. See Hochart, tom. i. p. 106. Hence libanus and the corrupt olibanum. M. Polo calls it encens blanc. Bergeron's Col. p. 153. It was chiefly brought from Hadramaut or Sagar, a track of Arabia on the ocean. The best fort is likewise in small round grains called xeveese, from the Arabiek 7733, chonder. Bochart, ibid. But Niebuhr fays, that the libanus of Arabia at prefent is greatly inferior to that brought from India, as being foul, mixed with fand and stones; he adds also, that the plant which produces it, though cultivated at Keichia and Schahr (Sagar) is not native, but originally from Abyllinia. See Niebuhr. Arabia, tom. i. p. 202. ii. p. 131. in which opinion he is supported by Bruce. When he was in Arabia the English traders called the Arabian fort incense of frankincense, and the Indian or better fort, benzoin, and the worst benzoin was effeemed more than the belt incenfe. The Arabs themselves preferred the Indian to their own, and called it bachor Java, either because it grew in that island, or was imported from Batavia. See alfo d'Anville, Geog. Anc. tom. ii. p. 223.

Διθίως Ταλής πλείους γίνη & άλλης Μυρμούς τος γενομένης in Διασπόλει. Glafe and Porcelane made at Diafpolis.

ril, Lithia Hyala. Several forts of glafs, paste, or chrystal. See article A. Sia hadaria.

2d, A.Sia Maggirz-

as It grows yellow by keeping. Dr. Burgels has speciment of Arabian libanus, but pullitly Oriental.

Which Salmafius fays, ought always to be written morrina, not myrrhina, myrrina, murrhina, or murrina. And he maintains that it is certainly the Oriental porcelane. It is here evidently joined as the adjective to \$\lambda{\text{O}}\sqrt{a}_0\$, as it is afterwards (p. 28. Peripl.) mentioned with \$\lambda{\text{O}}\sqrt{a}_0\$ sungion, and connected in a fimilar manner \$\lambda{\text{O}}\sqrt{a}_0\$ sungion of Meriples ", where it is specified as brought down from the capital of Guzerat, Ozene, (Ougein,) to the port of Barygaza or Baroach. All this seems to confirm the opinion that it was porcelane procurable in India at that time, as it now is; and that it was brought into Egypt by the ships that went to India. But what is more extraordinary is, that it was imitated in the manufactories of Diospolis in Egypt, just as our European porcelane is now formed upon the partern of the Chinese.

But in opposition to this, Gesner produces a variety of authorities from Io. Frid. Christius, to prove that it is a sollil and not factitious. The principal one is from Pliny, lib. xxxvii. c. 2. where it plainly appears that Pliny thought it a sollil from Carmania, while his description of it suits porcelane better than any substance which we know, as, variety of colours, purple, or rather blue and white spots, with a fort of variegated resection between both. Martial styles it myrrhina picta, xiii, p. 110, and notices it as capable of containing hot liquors.

Si calidum potes ardenti murra l'alermo Convenit, et melior fit fapor inde mero.

This fapor and the odor mentioned by others are the only properties we cannot attribute to it in conformity with the language of the ancients. Martial notices likewife,

Miculofie pocula murra-

And this Gefore rates; Hellogabahas... myerhinis et onychinis mucch. Lamprid. 32

And

And when another citation is adduced

Murranque in Parthis pocula cocha focis. PROVERTIUS. iv. 5. 26.

Christian is forced to contend that murrea is not the fame as murring, but an imitation like the Diospolite manufacture.

That it came from Parthia" into Egypt, to the countries on the Mediterranesa, and to Rome, feems evident from a variety of authorities, and that it might well do, if we confider that Parthia communicated with India by means of the Perfian Gulph, and possibly on the north with China" itfelf, by means of the caravans. The mention of Carmania by Pliny, as the country where the murrhina were obtained, favours the supposition of procuring these vellels from India; for the communication of Carmania with Scindi and Guzerat is almost immediate, and certainly prior to the navigation from Egypt to that coall. But in Guzerat they were obtained, when the anthor of the Periplus was employed in that trade; and their arrival at the market of Baroach, from the interior of India, may induce us to suppose, that they came into India from the north.

The immense value of these vessels at Rome might well arise from their fearcity. They were first seen there in the triumphal procession of Pompey; and it must be observed that Pompey returned from the shores of the Caipian Sea. They were afterwards introduced into tile at the tables of the great, but of a fmall fize and capacity, as cups for drinking. Afterwards one which held three

or The kingdom, and the province, at we in fome fourtier, like that between the Raffirms and Chinefe at Kintcha is evident from Ptolemy, Piny, and the Periphis. Whether the Seres were Chinese or an intermediate

may be from a former citation anticing Car-

[&]quot;That there was an intercentile with the Seres on the north of the Himmain mountains, tribe between India and China is not material. and that exchange of commodities took place

fextaril or pints, was fold for feventy talents; and at length Nero gave three hundred for a fingle veffel. The extravagance of the purchaser might in this instance enhance the price, but the value of the article may be better estimated by the opinion of Augustus, who, upon the conquest of Egypt, selected out of all the spoils of Alexandria a single murrhine cup for his own use. Now therefore if the murrhine was percelane, it may be a piece of information acceptable to our fair countrywomen, to know that Cleopatra did not indeed sip her tea, but drink her Marcotick wine out of china.

I have not been able to confult the work of Christian, but take the account of his argument from Gelner, and I refer the reader for further information to Gefner in voce, to Chambers's Dictionary, to Salmafius, Plin. Exercit. and to an express differention in the Volumes of the Academy of Belles Lettres, which I have formerly feen, but have not now an opportunity of confusing. I recollect that it is in favour of Salmafius's opinion, that murring and porcelare are the fame.

Arbin dimpunic.

A transparent substance of stone or pebble, but it is probably have the glass made of stone as clear and bright as chrystal, and the same as Yake, Hyale mentioned before. Salmasins, p. 1096, has a very curious quotation from the Scholiast on Aristophanes ad Nubes, Act ii. Seen. 1. "We call Hyalos (he says) a material made of a certain plant burnt, and wasted by fire so as to enter into the composition of certain [glass] vellels. But the ancients appro"priated the term hyalos to a transparent stone called kruon, or chrystal."—This perfectly accords with the manufacture of glass, composed of sand, or slints, and the ashes of a plant called kali or vitraria.

vitraria in Narbonne. Salm. ibid. and Chambers in voce. But glass has its name from glaftum" or woad, the blue dye, because common glass was of that colour, but the transparent Roney glass [flint glass] here mentioned feems to take its name [magaste] transparent, and [Tade] chrystalline, from its superior purity and imitation of the chryftal. The whole paffage in the Scholiaft is interefting, and worth confulting. Nub. act. ii. feen. r. 1.766. The Yaker keying.

" The hyalos or chryftal is formed circular and thick for this " purpose [the purpose of a burning glass], which being rubbed " with oil and warmed, they bring near the wick of a lamp and " light it:" [it was rubbed with oil probably to clean it, but why warmed does not appear.] " Homer knew nothing of the " chrystal, but mentions amber :" [true, for with Homer κρύσταλλος

is always ice.]

Hence it appears that chrystal was known to Aristophanes, and the application of it to the purposes of a burning glass; that glass was known in the time of the Scholiast, and that Homer knew nothing of either. The use of a pebble or chrystal, however, to kindle fire is known at least as early as the writings of Orpheus wage xiSus. And if the writings attributed to Orpheus be really the work of Pythagoras, or a Pythagorean, as Cicero Iuppofes, De Nat. Decrum, the knowledge of this property is ftill very old.

That clear or flint glass assumed its name from "Take, chrystal, is ftill more apparent from a paffage of Diodor. Sie, lib. ii. p. 128, ed. Wellel, where mention is made of both forts, the factitious and native

fins adds, apred Cambro-Britannos instidin pre-Herbn status is Wom's

⁴⁰ See Vallies ad Melam, Varior, ed. 1722, who cites Pliny, lib. exile c to Blimile Plans ventus Glas appellatur, et curuleum exhimen. tagini Glaftini la Gallia, que Britannorum amilages nurulque toto corpore oblitus. Vot-

Taker, as he writes it. The glass cossin of Alexander is called 'Yakin, by Strabo, lib. avii. p. 794. See Herod. iii. p. 206. et Wessel not. et Diod. ii. p. 15.

Αίθος καλλεανός καλλαϊνός.

Stone of Calleau, literally Goa flone, for Callien is a river that falls into the fea near Goa, and retains its name to this day. Rennell, d'Anville. Not that this is the modern drug fo called, but a blue flone to according to Salmafius, p. 240, and an emerald in the effimation of Ramufio, pref. to the Periplus.

Alber believede.

Probably ferpentine or hæmatite marble, in the opinion of Dr. Burgefs. Opfian or opfidian from. But Salmafius ridicules Pliny for calling it opfidian, or faying it was discovered by Opfidius. In Greek it is always opfian, and is a green from very dark, approaching to black. It was found in the illands of Ethiopia; and from taking a high polish was used by the emperor Domitian to face a portico, so that from the reflection he might discover if any one was approaching from behind.

The optidian flone, mentioned by Pliny, is factitious, and feems very much to refemble the material of which our brown or red tea-pots are composed. Totum rubens, atque non translucens, harmaticum appellatum. See discourse in the Memoirs of the Academy of Sciences. The specimens of this stone, which I have seen, are so dark that the green cast can only be discovered by holding them in a particular position. The closeness of their texture seems

We But he mentions it as a topon, and fays blue, why not a torquisite which is Bill a there are toponess of two different colours of favourite floors in the rath

to admit of any degree of polish that the artist may be disposed to give them.

Auyooc. Lygdus.

A beautiful white marble, or rather alabafter used to hold odours; Ramusio. Salmasius says, an imitation of this alabaster " was formed of Parian marble, but that the best and original lygdus was brought from Arabia, as noticed in the Periphis, from Moofa. Salm. p. 559.

Absesov. Lycium.

A thorny plant, fo called from being found in Lycia principally. A juice from which was used for dying yellow, mentioned by Pliny and Dioseorides. The women also, who affected golden locks, used it to tinge their hair. Salm. p. 1164. Why this should be fought in Scindi, if it was found in Lycia, does not appear. It is found now in the shops by the name of the yellow-berry, box thorn, grana d'Avignon. Dr. Burgess.

Audices. Lodices.

Quilts or coverlids.

εί πολλαι απλάι κα Ιστοπίου.

Coverlids plain and of the country manufacture at Moofa.

15 Voguenta optime ferwatur in alaballeis. Plin. lib, xiii, p. 3-

Magyagaras.

M

Magyapiran, p. 84.

Pearls, filhed for near Cape Comorin, where the fiftery fill continues, or the Lackdive Islands, formed a great article of commerce on the coast of Malabar.

Maxiladess, p. 84. Malabathrum.

A drug or aromatick as much disputed as any Oriental name which occurs. But generally supposed to be the betel nut, written betre, and preserving a relation to the two final syllables of the Greek. This nut is enclosed in the leaves of a plant called arecka, mixed with lime and sometimes with odours, and used as a massicatory, by almost all the Oriental nations, but more particularly in the Molucca islands, the Golden Chersonese, and China; it turns the teeth black, and consequently makes white teeth out of fashion, as Prior says,

King Kihu put ten queens to death, Convict on flatute, Ivory Teeth.

The composition, being from two plants, the beetle nut and the arecka leaf, has probably given rife to the variety of descriptions and allusions in different authors. But Horace, lib. ii. ode, 7, uses it evidently as an aromatick unquent;

— nitentes, Malobathro Syrio espillos

And Pliny, lib. xii. 26. xiii. 1. confirms the allufion by making it an unquent from Syria, but fays a better fort comes from Egypt, Egypt, and superior still from India. This, therefore, cannot be the Oriental betel, though as an exquifite odour it may, by fome intermediate corruption, have usurped a name, from the true Ballon or betcl. The price was prodigious, according to Pliny, the drug coffing three hundred denarii, ten pounds a pound, and the oil fixty or feventy denarii. It was used, he adds, as an odour in wine lukewarm, and had the flavour of spikenard".

Whether the author of the Periplus uses malabathrum, as the unguent known to Pliny and the Romans by that name, cannot be determined, as he merely gives the name without explanation in his lift. But that he had obtained an obscure knowledge of the betre, and its form as rolled up in leaves, is proved in the manner of his using the term petros. This demands a separate consideration, and will be found at the conclusion of the Periphas, explained in all its parts, as far as the learning of Salmafius can guide us.

Missip. Macer.

An aromatick from India, the bark red, the root large. bark used as a medicine in dysenteries. Plin. xii. 8. Salm. 1302.

Mayaqua.

Knives or canjars worn at the girdle.

almost all the fragrant odours of the east cutered into the composition of their augusta-In the royal Perhan unguest no lefs than twenty-fix udones are conmercial, and among them the malebathron, which is not fo properfy an officer on a flimulant, if it he the betre, but it is frequently confounded with the berel, are fallely applied to the spikenard.

25 It appears by Pliny, lib. siii. c. 2. that the spikenard, the first of odours, which is pre-connectly called folium, or the leaf, in appellion to only, or the root. But the benefour being wrapt in the atecks leaf has probably given rife to the miffake. See Pliny, lib. nit. c. 12. where the hadrofpharum, meforphurum, smcrofpharum, all diffinctions of

Μελιέφθα χαλαά.

Brais or copper, prepared, as Ramufio fays, for veffels of cookery. But rather for ornaments of women, as bracelets, anklets, and collars. No usage of Μελιέφθα occurs elsewhere; but metals were prepared with several materials to give them colour, or make them trackable or malleable. Thus χολόζαφα in Hesychius was brais prepared with ox's gall to give it the colour of gold, and used like our tiniel ornaments or foil for stage dresses and decorations. Thus common brais was neither ductile nor malleable, but the Cyprian brais was both. And thus, perhaps, brais, μελιέφθα, was formed with some preparation of honey.

Min nahápiros to heybuses eduxago. Honey from canes. Sugar.

In Arabick, shuker, which the Greeks seem first to have met with on the coast of Arabia, and thence to have adopted the Arabick name. It is here mentioned on the coast of Africa, where the Arabians likewise traded, and either imported it themselves from India, or found it imported; it was evidently not found in that age growing in Africa. The Shanskreet name of sugar is ich-shu-casa, and from the two middle syllables the Arabick shuka, or shuker. As. Research. iv. 231.

Meditarov. Honey Letus.

The lotus or nymphica of Egypt. The flalk contains a fweet and estable fubiliance, confidered as a luxury by the Egyptians, and used

22 This article is very dubling.

as bread; it was fometimes carried to Rome, and the Periplus makes it an article of importation at Barygaza. It appears also to have been used as provision for mariners; and if this was the favourite bread of Egypt, in preference to grain, Homer might well speak of it as a luxury and delicacy; but his lotus is generally supposed to be the fruit of a tree, by our African travellers. Authors differ, some afferting that it is still common in the Nile, others saying that the lotus now found there has neither pulp nor substance.

Mongore Juniapa.

An incense called mocrotus or mocroton.

Μελόχινα.

Coarse cottons of the colour of the mallow. Others read Movazzi, either single threaded or of one colour.

Coarse cotton dyed of a whitish purple, and therefore called molochina from Μελέχη, mallows. Wilford, Asiat. Differtations, vol. ii. p. 233.

Mohuldog. Lead.

Motal

A species of cinnamon. See Karria

Μύρου.

Myrrh or oil of myrrh. Unguent in general, but pre-eminently of myrrh ".

54 The African is belt, the Abyllinian, Ambian, and Indian word. Dr. Burgels.

A gum

A gum or refin iffuing from a thorn in Arabia, Abyffinia, &c. Bruce has given an account of the plant; he fays it is originally from Africa, and that the Arabian myrrh is ftill an inferior fort. See Bruce, Chambers, and Salmafias.

Musson See Ailia Mussing.

Porcelane. See Gefner and Chambers in voce.

N

Napsigi

Nard or spikenard, p. 93. Napler Paranal. Others read Payn-

No Oriental aromatick has caused greater disputes among the criticks, or writers on Natural History, and it is only within these few years that we have arrived at the true knowledge of this curious odour, by means of the inquiries of Sir William Jones and Dr. Roxburgh.

Their account is contained in the ivth volume of the Afiatick Refearches, and Dr. Roxburgh was to fortunate at last as to find the plant in a state of perfection, of which he has given a drawing that pure an end to all controversy on the subject.

The nard has the addition of spike from the Latin spice, an ear of wheat, which, according to Dr. Roxburgh's drawing, it perfectly resembles. And this adjunct is found also in its Arabick name, sumbul. And in its Shanskreet appellation, jatámánsi; as also its Perfick title khustah, all signifying from.

Sir

Sir William Jones, Afiat. Ref. iv. 117, fays it is a native of Budtan, Népal, and Morang; and that it is a species of Valerian. It is remarkable that he had himfelf feen a refemblance of it in Syria, as the Romans or Greeks mention Syria as one of the countries where it is found; but Ptolemy gives it its true origin in these tracts of India. A fpecimen was brought down to Calcutta from Boudtan at the request of Sir William Jones, and the agents of the Deva Raja called it pampi; but it was not in flower. Some dried specimens of it looked like the tails of ermines, but the living ones, as Dr. Roxburgh afterwards found, rife from the ground like ears of wheat. It-answers the description of Dioscorides. It is weaker in scent than the Sumbul spikenard of Lower Asia, when dry, and even lost much of its odour between Budtan and Calcutta. The odour is like the fcent of violets; but the living plant is forbidden to be brought out of Boudtan. It was, however, procured by the intervention of Mr. Purling the English resident; and was at last received in its perfect form by Dr. Roxburgh, who has described it botanically. Af. Ref. iv. 733-

In the age of the Periplis it was brought from Scindi, and from the Ganges; which, according to Sir William Jones, we ought to conclude would be the natural port for it, as coming from Boudtan. This authorizes the change of reading from parameter, [gapanika,] to parameter, [gangitika], more especially as it is mentioned at the Ganges. Some fanciful inquirers might think they had found the mention of Japan in this passage.

We ought not to omit fome particulars from Pliny which are remarkable. He describes the nard with its spica, mentioning also that both the leaves and the spica are of high value, and that the odour odour is the prime in all unquents. The price an hundred denarit for a pound. And he afterwards visibly confounds it with the malobathrum or betel, as will appear hereafter, from his usage of hadrosphærum, melosphærum, microsphærum, terms peculiar to the betel. The characteristick name of the nard is folium", the leaf pre-eminently, in contradistinction to costus the root, both as the prime odours of their two forts, the root and the leaf.

But there is still a more remarkable particular in Pliny, which is, that he evidently copies the Periplus in the three places he allots for the markets of the spikenard; for he mentions Patala at the head of the Delta " of the Indus, correspondent to the Barbarika of the Periplus, and another fort which he calls Ozenitides, evidently agreeing with the mart of Ozene (p. 75. Peripl.); and a third fort named gangitick, from the Ganges, answering to gapanick, for which all the commentators agree in reading gangitick. Very strong proofs these that Pliny had seen this journal and copied from it, as he mentions nothing of Ozene in his account of the voyage, and only catches Ozenitides here incidentally. See Salmasius, p. 1059, et seq. who is very copious on the subject, and has exhausted all that the ancients knew of this aromatick".

Naunther, p. 27. Nauplius.

It feems to be an inferior tortoile-shell from the context, which runs, is graden district parts for letters is retained in the foliar; i. c. tortoile-shell of superior kind, but not equal to the Indian; and a

O Salemaine, p. 1165, it clearly of opinion, that Pilor is regularly militaken in applying follow to much. He fays it is always peculiar to malchathram betal.

^{**} Whether this in Pllny does not apply to offee?

If it reiembles the rail of a fessil animal, in Dr. Burgets's Collections

finall quantity of that species called nauplius. It may, however, be a different commodity, but I cannot trace it in Salmasius or Pliny, unless it be the shell of that sish he calls nauplius, lib. ix. c. 30, which seems a species of the nautilus.

Nepa Engeles of Tollies picker.

Black fewing filk both Chinese and Indian. If this passage could be ascertained as rightly rendered, it would prove that the filk manufacture was introduced into India as early as the age of the Periplus. Nipa can hardly be applied to a web, it seems always to be thread, and here sewing filk. If indicon is the adjunct of nema there is no difficulty, but indicon melan may be indigo in the opinion of Salmasius.

0

OBonos. Muflin.

ift fort. Tedade to namerireges i asyopies Morazei. Wide Indian mullins called monakhe.

ad fort. Σαγματογήτε. Σαγματογίται. Salm. reads Σαματοπήτε, from περίος, a thread. Salm. p. 1170.

Salmafius feems to interpret these two forts as muslins made up in fingle pieces, or many in a parcel; he is not fatisfied, however, with his own interpretation; but it is to be observed, that the finest muslins still come to Europe made up in single pieces, called book muslins from their form. And it is by no means irrational to conceive that a custom of this fort is coeval with the trade.

Monakhè, fingle.

Sagmato-gine, made up in parcels.

Sagmato-pene, made of a bulky thread, or to thick as to ferve for coverlids. Salm ibid.

3d. fort. Xudaler.

Coarfe mullins, or rather coarfe cottons, called at prefent dungarees; Wilford, Af. Differt, vol. ii. p. 233, to which monakhe is opposed as a finer fort.

Oling. Wine.

- to Assessed. Wine of Landicara, but which city of that name does not appear. There is a Landicara in Egypt.
- 2. Irakinor. Italian wine.
- Agazanic. Arabian wine. It is dubious whether palm wine or toddy wine, it feems to have been a great article of commerce.

Outag Acomakerich. Unripe grapes of Diofpolis.

In what form this was an article of commerce does not appear, it is mentioned but once. Unripe grapes, however, are imported into England both from Lifbon and Madeira.

Onina, p. 27. Atols or badking.

An article in trade on the coast of Africa, as needles are at this day,

*OpingsAktra

Ojingalnos Mountain brafi.

Used for ornaments. Ramusio calls it white copper, copper from which the gold and filver has not been well separated in extracting it from the ore.

П

Handeren fotteren

Handsome women slaves for the haram are mentioned as intended for presents to be sent up to the king of Guzerat, whose capital was Ozene or Ougein.

TINNER.

Small hatchets or axes for the African trade.

Himpy, Pepper.

Imported from the coast of Malabar, as it still is; the native term on the coast is pimpilim; Salm. p. 1070. or the Shankreet, pipall. Af. Ref. vol. iv. p. 234. The pepper coast is called in Arabick beled-el-fulful. D'Anville, Ind. p. 118.

It was found by the Greeks from Egypt first in Ethiopia, as an article of commerce brought thither by the Arabs, but was known in Greece much earlier.

Two forts are diffinguished in the Periplus.

1. Kerreraginar.

From Cottonara, the kingdom of Canara, according to Rennell, which is fill the principal mart for pepper, or at least was so before the

the English settled in Sumatra. This is the black pepper. See Mariden's Sumatra.

2. Mangou.

Long pepper", so called from its form being cylindrical, an inch and an half long. It confishs of an assemblage of grains or feeds joined close together. It resembles the black pepper, but is more pungent. It is a species of the East India pepper totally distinct from the Cayenne.

Πεοιζώματα.

Girdles or fathes, and perhaps diffinguished from the following article,

TITY VICE IN CONORS

Saihes of an ell long, only in the difference of make or ornament.

Пличкой.

Pearls or the pearl oyfter. See the fiftery at Cape Comorin.

Посфијем внафера в живена, р. 35-

Purple cloth of two forts, fine and ordinary. An article of trade at Moofa in Arabia.

Horigas, Drinking veffelt, Xahad, Brafi, Ergoyyuka, Round, Meyaka, Large.

> 15. Tabazir is the common long pepperf 2

Probably

Probably all three epithets apply to the fame veffel. An article of import on the coast of Africa.

Πυρός όλίγος.

Wheat in fmall quantities, imported into Omana, or Oman in Arabia.

P

Publicague, Rhinoceros.

The horn or the teeth, and pollibly the fkin, imported from the coast of Abystinia, where Bruce found the hunting of this animal still a trade, which he has described in all of its branches, vol. iv.

Σ

Σώγγαρα.

Cances used on the coast of Cochin for conveying the native commodities from the interior to the ports, and fometimes along the coast.

Σάγοι Αρπιεττικόι γεγουμμένοι & βεξαμμένει, p. 14-

Rugs or cloaks made at Arfinoe (Suez), dyed, and with a full knap.

Еписараки.

Red pigment, Salm. p. 1155, found in gold and filver mines. Pliny. Ore of Cinnabar. Dr. Burgefs.

Sargues-

Escapenos. Sapphire Stone.

The ancients diffingulfhed two forts of dark blue or purple, one of which was fpotted " with gold. Salmat. p. 130, et feq. Pliny fays, it is never pellucid, which feems to make it a different flone from what is now called fapphire,

Engued Veguera. Chinese bides or furs.

What is meant by signars no where appears, unless it can be applied to the raswers, whence the malobathrum was produced. But this is very dubious. See Makésaspor.

Elongos. Iron.

An import into Abyffinia for the manufacture of spear heads, to hunt the elephant, rhinoceros, &c **.

trouces.

Iron tempered in India.

Endirer.

Fine lines of any fort, but that imported into Abyllinia might be Egyptian, and pollibly of cotton, but

Σιτόδοις αι διαφορώταται Γαγγιτικάς

Can be nothing elfe but the finest Bengal mullius,

Eleog. Wheat corn.

22 Dr. Burgars has speciment of both forts, the one with gold spots like lapis famile, and not transparent.

To cut like an Indian tword, is a com- Peoplie, but not perhaps julily, mon-Archick proveds in Arabina. And is

Egypt, Shaw (p. 264-) fays, the harden rook (as drills for working the grante Obshike) were made of Indian from Shaw quotes the Periphia, but not perhaps julily.

Deiragua.

Eximagen: Adver.

In contradiffinction to wakeur, hatchets.

Ennin uppopa, Silver plate.

"Yand

Veffels of chrystal, or glass in imitation of chrystal.

Emigra. Myrrb.

Διαφέρεσα της άλλης,

Of a fuperior fort,

Example.

Of the belt fort,

ETARTA Gum.

Acagundes, read Σμυριώς, by Bochart, Geog. Sac. ii. 22. Salm. 520. Extract or diffillation from myrrh, of the finest fort. The reading is proved by Salmasius from a similar error in an inedited epigram.

Στημι. Στίμμι. Stibium for tinging the cyclids black.

Trokal Agonograna.

Women's robes manufactured at Arsinoe or Suez.

Erupal. Storan.

One of the most agreeable of the odoriferous refins. There are two forts, storax in the tear, supposed to answer to the ancient styrax calamita, from its being brought in a hollow reed, or its distillation from it; and common storax, answering to the stacks styrax of the ancients. It now grows in the neighbourhood of Rome; but the drug was anciently brought thither from the islands in the Archipelago. See Salm. p. 1026. Chambers in voce. Most of these gums, refins, and balsams have in modern practice yielded to the American, as this seems to have given way to the balsam of Tolu.

Σύματα, p. 15.

Slaves from Africa, an ancient trade! but the number was not great.

Y

'Yézudec.

The hyacinth or jacinth, a gem of a violet colour. But Salmafins fays it is the ruby, p. 1107. See Solinus, c. xxx. p. 57. where it feems to be the amenhyst.

X

Xanels. Braft or copper.

Xelegapara.

^{**} Seralso mentions flying in Public 1 a distillation from a tree, wanted by a worm brooking in it. Lib. alle p. 570.

Veffels of brafs, or any fort of brazier's work.

Xexdon.

Tortoife-shell seems to have formed a great article of commerce, for ornaments of furniture, as beds, tables, doors, &c. both in Italy, Greece, and Egypt. It was brought from the coasts of Africa, near Moendus; Socotra, Gadrosia, Malabar, and the Lackdive, or Maldive islands; the former seem to be designed by xournesses of the Periplus.

Xiraric.

Under garments, imported from Egypt into Africa.

Xonpa. Specie.

The Periplus is very accurate in noting the ports where it was necessary to trade with specie; and in more instances than one, notes the advantage of exchange.

Xqueoxitor. Chryfalite.

Sometimes the fame as chryfites, the touchstone for gold, Salm. p. 1103; but described as a slone as it were sprinkled with spots of gold, Salmasius, p. 407, who points out what it is not, but cannot determine what it is. It may well be the topax ...

Xqueur,

Used with devision, as is appopen also, expressing gold and filver denarii.

Xgurupata, Gold plate.

es The Bohemian is yellow with a greenills aut; the Grimmal is very pale yellow. Di-Burgefe's Oriental togets deep yellow.

No. II.

An Account of the Adultrick Inscription collected from Chishull, Monteaucon, Melchisedeck Thevenot, and other Authors.

The Adultick Inteription is in itself one of the most curious monuments of antiquity, but the preservation of it, and the know-ledge which we have of it at this day, are still more extraordinary than the inscription itself. Cosmas (styled Indicopleusles, from the supposition that he had navigated the Indian Ocean, which in truth he had not,) copied a Greek inscription at Adule, which has since appeared to relate to Ptolemy Energetes, and to prove that he had nearly conquered the whole empire of the Sciencide in Asia, and the kingdom of Abyssiaia in Africa: two historical facts of considerable importance; notwithstanding, his success in Asia was scarcely discovered in history, till this monument prompted the inquiry, and the conquest of Abyssiaia still rests upon this evidence alone.

The veracity of Cosmas, in his report of this inscription, is established upon proofs which have nearly united all firstrages in its favour; some obscurity there still remains, and some sew objections naturally arise, to which Chishull has given a sufficient answer. But there is one observation of his that is irrefragable, when he

^{&#}x27; It does not now appear is any hillory to features eited out of Palyanus by Bayer. Sor the extent that the murble affirmes, or in any infraone author that I can different except a lingle

fays that Cosmas himfelf did not know ' to which of the Ptolemics it belonged, and confequently he could not be the forger of partieulars which accorded with one, and one only of the whole Dynasty.

The work of Colmas is ftyled Topographia Christians, and is intended to prove that the earth is a plane, in opposition to the philosophical notion of its being a liphere, which the author conceived to be an herenical opinion, contrary to the revelation of the feriptures. He had himfelf travelled much, and in the parts he vilited, he fill found they were all on a plane, as well as Greece; in confequence of this notion, his deductions are rather extraordinary; but the facts he relates, and the countries he deferibes, are given with all the marks of veracity that simplicity can afford,

There were two copies of his work, one in the Vatican, suppoled to be of the minth century, and another at Florence in the Library of Lorenzo , attributed to the sentle. In 1632, Leo Allathis published the Adulitick Inscription from the copy in the Vanican't and this was republished by Berkelius in 1672, and again by Spen in 1685, both from the extract of Allarius. The fame infeription was again published by Melchizedeck Thevenor, in his Collection of Voyages, from the Florentine copy, extracted by Bigot. And finally the whole Impographia Christiana was edited by the indefarigable B. Montfaucon in 1706. Spanhging Vollies, and Vaillant, all hear tellimony to the authenticity of the inferipeion,

grouphy by Carolic, and therefore he could send on targe to the Locke Knot, a place - Six the concome to with Look government the Interpret fide, is his loser remarks on the murble.

[&]quot; He termined lisewiff did not know the of the Vendels of 1798, who are the tree

[.] Six the remet of this library in Rotton's

[·] Chimin.

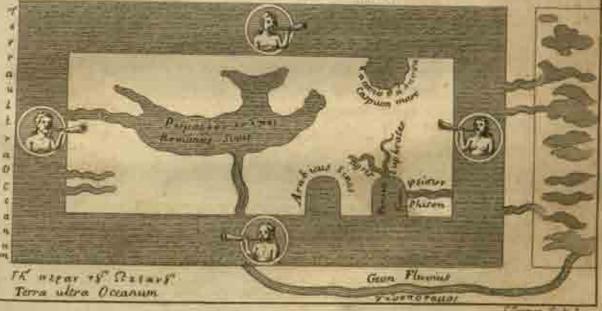
^{*} The publication is flying blow Collection . Wes, on by, became over the bruption Patrum, in two cole folio, Paris 1706-

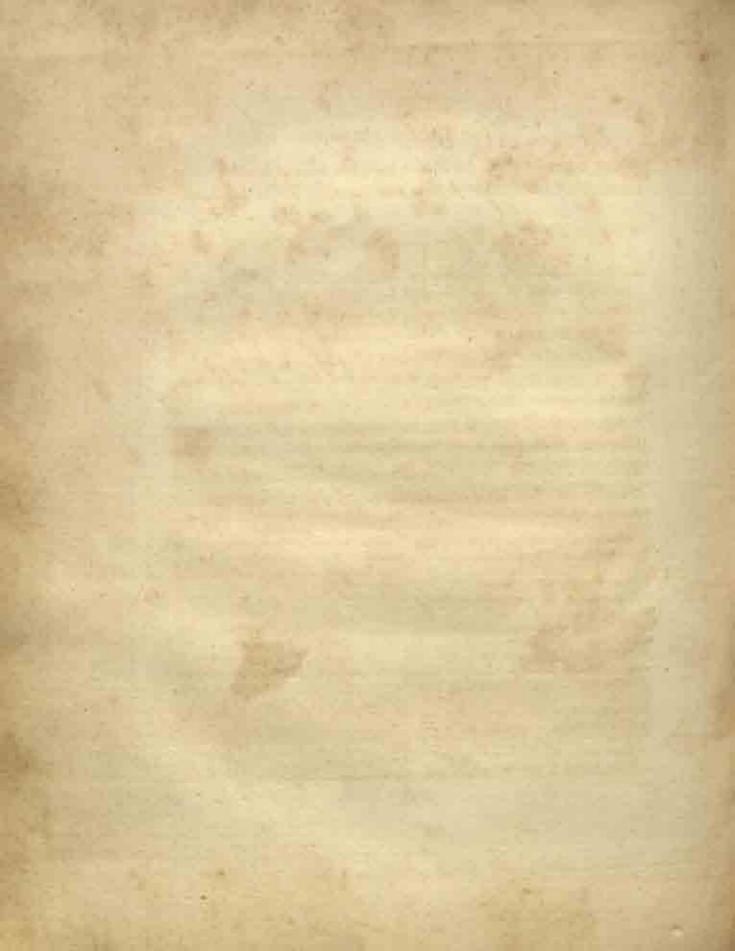


十八日日と



In atpar is Axears to be upt of xarax lugis xaraxous of arlies not terra ultra Oceanum, who arte dilunum habitabane hamines.





and the internal evidence is fuch as hardly to leave a doubt upon an unprejudiced mind. Let us now bear Colinas ipeals for himself.

Extract from the Topographia Christiana' of Cofmas, written A. D. 545, p. 140. ed. Montfaucon.

Adúld is a city of Ethiopia, and the port of communication with Axiomis, and the whole nation, of which that city is the capital; in this port we carry on our trade from Alexandria and the Elanitick Gulph '; the town infelf is about two miles from the thore, and as you enter" it on the western fide, by the road that leads from Axiômis, there is still remaining a chair or throne which appertained to one of the Ptoletnies, who had subjected this country to his authority. This chair is of beautiful white marble ", not [to white indeed as the] Pro-connelian", but fuch as we employ for marble

* After the peace made with Schwene for log, in which both pyramids and shelffer me ten years, and renewed afterwards for ten wears mure, fource a word occurs in hilling concerning Ptol. Emergency till this account ce the mainly was discovered by Colmas more than 700 years after the lavalion of Ethiopia by this manuch. Continues.

* Written in different authors Axons, Axoms, date , and Aximir.

" The Italia of Salomon and Hirany was support on from Law Ceber, at the bend of the Employ Confident And in all ages, I tion in Play Ana, or Athalia, to have been the cost to which the Phoneiron of Tyre referred, or to Phoneso, which perhaps took its dutie from them. His and Phenigan bury st different times have him in the profittion of Nebathemas, Petream, Egyptiam, Totaliz, Hillery of Roman

" See the new of Addition College's from-

pears mean so the execution by their are a errain proof that the manners and callions of Abytime in that age were Ethiopick and Egyptime Brown found the from at Annual, and if he could have flopped at Mirrie to care smine the room lee there palled, afterpely stery would have been Egyptish also in Ethlopiek. He are no remains of ruins from Author to Nervice.

of despering religions in

posts saturally together to the win muritie, with which it is well in metal. to change its minute Microbrit, and he plice that title to the Property, now celled the Box of Marmore. A name of Condentmonter of made velocity to the marble with which he was much inequalitied. The chinest of home Sophie it built with Processina -aithtables; it stands on a quadrangular base, and rests at the four corners on four slender and elegant pillars", with a fifth in the centre, which is channeled in a spiral form. On these pillars the feat is supported, as well as the back of the throne, and the two sides on the right and lest.

The whole chair with its base, the five pillars, the sear, the back, and the two sides, is of one entire piece, carved into this form; in height about two cubits and a half, and in shape like a bishop's throne.

At the back of the chair is a tablet of bafanite [or touch] ftone", three cubits in height, the face " of which is an [oblong] fquare, while the whole mais is in the form of a lambda, rifing to a point at the top, and ipreading at the bottom, A. But the front" is quadrangular. This tablet is now fallen behind the chair, and the lower part of it is broken and deftroyed, but the whole of this [stone or | marble and the chair itself is [in a manner covered over and] filled with Greek characters.

fquare [an oblung iquare] on the broad face, and like a A on the aden, the broad inperficies is fo reprefeuted in the dissening of Cofenas, in oblung fquare broken in the curner, the chancelling of this tablet is reprefented as curved round the broken curuer, whether this in the error of Cofenas or the suppresser man be determined by the MSB.

"Those, body, the whole body or mak of a marble in the form of a lembda current be a fquare, but a wedge, it is one of the faces of this wedge which must be meant, and even this would not be a fquare, but quadrangular (respirator), as represented in the drawing of Cofinar, that is a parallelogram.

¹⁴ Airel adoo-

se Catheden-

[&]quot;Halanites is impuried to be an Egyptian markle or granice, and the same also to be Egyptian and est Greek from Siesses, as it is usually effrement. See Chambers's Dichionary, art touchillone. The Greek term Siesses, might possibly be derived from Egypt, the country where the touchillans was procured. But it is perfectly Greek in its usage and derivations.

that not purrously. Chilholl errites, ad module ratesise pictories, but how lead has that fenile I cannot determine. I suppose the balante show or marble to be in the form of a scales.

Now it to happened that when I was in this part of the country, about five and twenty years ago", more or lefs, in the beginning of the reign of Justin the Roman emperor, that Elesbaan " the king of Axiomites, when he was preparing for an expedition against the Homerites ' [in Arabia] on the other fide of the Red Sea, wrote to the governor of Adule, directing him to take a copy of the inferip-

" The reign of Juffin commences in 5 (8. The expedition of Elebans is usually piaced in \$ 25, the eighth year of Juffin, but the muchle might have been copied a year or two years before the expedition.

to It is a most remarkable gircumitance, that is a hillory to obfeure and wild as that of Abyllinin, my fact flould be effahlified upon fuch clear and finisheday generals, as this of the reign of Kiefbass and his expedition into Arabia. But the authorities addinged by Baronius, Montfauron, Ludolfus, Chiffiell, and Bruce are to express, that there cannot remain a doubt ; and if that reign is ellablished, the verselty of Colmis nords no other lapport. Now it appears from the exidence they have addinged, that the fovereigns of Abyllinia, in the reign of Julim, about the year \$25, had extended their power into the country of the Homerites, which is a diffrict of Sahes, where they had a governor refuling ; it appears also that fome Abyllinians had been put to death by Damamus, one of the native chiefs in Arabin, and a Jew, who are fill confidered as martyre to their faith, and that Elefbans undemonk an expedition into Avahor, in which he was increfated, and posithed the affittills of his fabjects. His Abyllinian title was Caleb el Atfelia, or Caleb the fibling; whence the Greek corruption of Elefter, Eleften, and Eleman (Bence, val. L p. 501. Ludoff, p. 105, Hitt. of Ethiopia). Brace affires

us, that this hillary is confirmed by the Chronicle of Axima, and Monthucon cares Nanresting for Photour, whois tellimony corrector rates the chronicle in the couplest teamer, (Moutisticos News Collectio Patrium com. ii. p 140) for Normalus formes of himself no emballador from Juffin to Kalifus, as Arab prime of the Khipdini and Manthai, and to Eleman king of Axima, agreeing in much both in time and name with the Eleftinas of Cofess, that it induces a conjecture that Colmas was a monk in the faits of the erabatfador (fee Phorius p. 6. cl. Geneva, 1612, with the citation of Nicephoros is the margin). But without taking this into the consideration, it is a natural confequence, if Elefhan is proved to be the king of Atoma In that age, that the account of Corone is worthy of credit. Brace aids, that Mahomet. in the Kerms mentions Dunantes, and by manubut as mafter of the fory pile, alluding to the marryes who were hurnt (vol. I p. 716). Other anthore cired by Montfaucon me Meraphraffur, Callinan, Amilphorage.

" Calmar himleft, in another part, deferibes the country of the Homeron as lying on the coall of Aden beyond the draws ; but as they occupy the major of the community their tecritory may extend both within and without the firmus. See Ptolemy, Alle, cab.

tion", which was both on the chair of Ptolemy, and on the tablet, and to fend it to him [at Axiômis].

The governour, whose name was Asbas", applied to me and to a merchant of the name of Menas, to copy the inteription; Menas was [a Greek of my acquaintance, who afterwards became] a monk at Raithu, and died there not long ago. We [undertook the buliness together, and having completed it,] delivered one copy to to the governour, and kept another for ourselves. It is from this copy that I now state the particulars of the inscription, and I ought to add, that in putting them together [and drawing my own conclusions from them, I have found them very useful for forming a judgment of the country, the inhabitants, and the distances of the respective places. I ought to mention also that we found the figures of Hercules and Mercury among the carvings, at the back of the feat".

This is the form of the feat " and the marble. And Ptolemy himfelf [feems to fpeak in the words of the infeription].

(Here

" It is highly probable, that Eleibaan underflood the language, as he was a christian, and of the church of Alexandria, His latere confic also with the Greek emperor at Confluntinopie flungthess this supposition. And in the surfier age of the Peripids we find Zoibales mafter of that language.

After and El-After must be the fame name, and there is nothing extenordinary in supposing that both the king and the governour might both annue the title, sticks,

the bloffed, the faint.

11 I have here emitted a conjecture of the monk foreign to the fubject,

se Column fays, that mulcincture were executed before this chair in his time; but when ther it was a cuffor continued from the time of Prolemy he could not fay. Bruce muntions a flung at Antima existing full, on which the kings of Abyfinia were enthroacd and crowned, and which likewife had an inferipence with the same of Prolemy Energeter. Had entire of their facts any concern with a tradition or cuffom derived from Ptolemy? See Bruce,

(Here was inferted a drawing by Colmas himfelf reprefented in the opposite plate, and copied from the MS. by Montfaucon.)

Inteription upon the figure or fquare table in the form of a A.

Ptolemy the Great, king, fon" of Ptolemy, king, and Arfinoe, queen, gods", brother and fifter"; grandfon of the two fovereigns Prolemy, king, and Berenice, queen, gods prefervers"; defcended

vol. in. p. 153. It is extraordinary that the objection was flurted, two gold coins wave marked does not mention Axions , and more brought to light with the united heals of to, if upon the credit of Bruce we conclude. that Ptolemy sitted Asama in perfore. That indeed does not quite follow from the floor being found these with his name. But one inference we may make in Colima's favour, he knew raxions, he knew it was the capital of the country ; if he had forged the minription, Axima would doubtlels have been admitted.

15 This generalogy at the commencement dues not quite spree with another at the conchillion, where the king fays, that Mare was the father who Agust him (Is at an Seconda). But as these Manadomian sovereigns immated Alexander in his vanity, if they would have gods for their aucritors, it is not to be timught firange, that their genealogy (bould fluctuate. I think the inconfiltence due to the vanity of the king, and that it ought not to be attributed to the millake of Cofmia, or to lim lapfe of memory.

35 In the character of OEHN AASARON. pole, brother and feller, and seath Estrumin. gul preference, we have one of the most flintfrime proofs of the anthemicity of the interistion

Beggs had objected that on the cours of Ptolemy Soter and Berenick, wants only was found; and on those of Philadelphia and Arimor, AARAGAN only. But four after the

Prolemy Sorce and Berenice, of Philadelphus and Artinoc. The former had an information, this the latter displayed the smon ALEASON. exactly corresponding with the Adultick marble. Vaillant, Hill. P(al. Regim, p. 52. EXTERMIN was not found, but in equivalent is ented from Theoretica Idyl. 17.

Merge Silve and warry Courter Inverse wait. In I should report to produce all middens. "Open, minute inchine APRIOTE

In which they are evidently conferrated an duities with the title of APDFOTE Chilliant.

A focused objection of Began's was, that Philadelphin had no children by Arimor his wife and fifter. But the Scholieft on Theocritica Idyl 17. fortunately farnified an anforce to this alto, who first that Ptolemy Philladelphus was first married to Aritme, daughter of Lyaimachus, by whom he had Ptolemy, (afterwards called Emergeton) Lyanmelton and Beremies. But that having discovered this Arfaire engaged in fone company, he burided her to Copins, and thes married his filter Arthor, and adopted as his children those he had but by the other Artinoe. This Artime, his finer, was worthipped by the Egyptions under the title of Diez Sprot, and Venus Zephyruis. Chillani,

- AU GREEN ALEADON.
- ** GENTA TITTETINE

on the father's fide from Hercules fon of Jupiter, and on the mother's fide from Dionyfus fon of Jupiter, [that is, Ptolemy fon of Ptolemy and Arfinoe, grandion of Ptolemy and Berenice,] receiving from his father the kingdom of Egypt, Africa, Syria, Phenicia, Cyprus, Lycia, Caria, and the Cyclades, invaded Afia with his land and fea forces, and with elephants from the country of the Troglodytes and Ethiopiana. This body of elephants was first collected out of these countries by his father and himself, and brought into Egypt and tamed for the service of war. With these forces Ptolemy advancing into Afia reduced all the country on this fide the Euphrates, as well as Cilicia, the Hellespont, Thrace, and all the forces in those provinces. In this expedition, having captured also many Indian elephants, and subjected all the princes to his obedience, he crossed the Euphrates, entered Melopotamia, Babylonia, Susiana Persis, Media, and the whole country as far as

A fast noticed by all the hillorians, and preferred by Agatherchides, as almost the only commerce ermaining on this coust in the time of Philometor.

Theremot's work. I had doubted the whole, all I met by accident with the pallage in Appias, which conformed the fast, and again at tracked my attention a but having afterwards procured Childull's work, (Actiquitates Afasticm,) I famed be bad anticipated this pallage, and many of the other observations which I had taken some pains to collect. See Ap. Sprine, p. 615. Schweighenster's th. St. Jerom on Daniel martines these conqueins, and Appian notices that the Parthias revolt communical upon the difficults of the Syrian momentum is this war.

20 Rollin touches on this expedition of Ptolemy, but makes it thep at the Tigris, rel. m. p. 307. but Ptolemy here expressly fays be entered Suffanz, and as Rollin confesies the sefloration of two thousand free bonders Egyptian fixture we may aft, where could they be found except at Sufa? The cause of this invaling was the infult offered to Berenice, lifter of Energetes, whom Antiochus Theos had disucced and whom Selection, his fan by Artinoe, finally put to death. See Julim, lib anvil. es to Jullio mentions that he would have fell-dural the whole kingdom of Seleuem, and lefs he had been recalled by diffurlmores in Egypt. The two thousand for busdred the tues, and forty thousand salests, I find in the notes on Julin, but where deduced I know

Backria", and brought the whole under his dominion. [In Perfis and Suffana] he collected all the spoils of the temples which had been carried out of Egypt by [Cambyfes and] the Pertians, and conveyed them back again to that country ", with all the treasures he had accumulated in his conqueils, and all the forces which had attended him on the expedition; all these he embarked upon the canals "

eminia fine bello et certamine occupavit a Tameo nique in Indian ; Bayer, p. fit. Bayer moderates the conqueit, and appeals to Theoeritus and the Adultitick markle. But the tearble certainly antilms in a great degree the citation, which is from Polymus.

It is for this favour to the natives that he is faid to have been Hyled Energetes, the benefactor-

* The infcription is here manifeftly left imperied, and that apparently on account of that part of the tablet which was mutilated. We are therefore at liberty to conjecture what thele canale were, confident with the nature of the countries alliated to. Chiffioli looks to the camps on the Euphrotee; but let us reflect, that the palace of Cambyins was at Sufa; thirtier the spoils of Egypt were limb by the conquency and there they would be found by Energetes, if they had not been removed by the Macedonians, or the simps of Syria. Much untice is taken in hilling of the treasures at Sails being plandered; but the fpoils of temples, Egyptian gods and flatnes had little to termit the avarior of the conquerors, and would have been mused to little purpose, at a great expense. It is highly profishle, therefore, that Europeins found them fill at Seife and it we confided that Suffing was of all the provinces of the Pertian

22 Prolomana Energetes devicit Selencum; empire, the one mail familled with, and most interfected by emple, we shall have un difficulty in concluding, that their combinus derties were embacked upon that canol which meted the Hairn's with the Mickeyan near Sufay and that they were brought by this? fiream, now called the Sunb or Soweth, into the Euphintes near Korna. From Kerna they would be conveyed up the Euphrates in Thupfacus, or higher, and require no other land curringe but from that point to the hay of Iffin. This would certainly be the hell and healt appealing conveyance from Sight to Egypt, and there could be no other entcarriage unlate by the Euleus to the Gulph of Perfit; and for commit the continent of Ambin into the Red Sea. If it could be proved from billiony that the fleets of Euergrees had ever circumnavigated Arabia, we surgit admir this as the readiest mode of conveyance; but I have fearshed hillory in sain to exactly this concludes. If it was contained in the pinns of the rables broken, we have much reaften to luming the loss I for to perfunded unit I of the numbership of the microstice, that I found admit the fact without believing if found there. I can only me ald, that the cond from Staffs to the Explication and the corriage theme up to Thepicon, affect the mill probable that to this pallage.

This, fays Coimas, was the infeription on the figure or tablet, as far as we could read it, and it was nearly the whole, for only a small part was broken off. After that we copied what was written on the chair, which was connected with the infeription already given, and ran thus:

After this, having with a firong hand compelled the tribes bordering upon my own kingdom to live in peace, I made " war upon the following nations ", and after feveral battles reduced them to fubjection.

If Mark the use of the first person. Whether the charge from the third person to the first he emited by Colons or the inscription, must be dealerful. We might well suppose both inferiptions to run in the suff.

** Colonia has many carious particulars of these countries binness; at, the Housethes are not for diffant from the coult of Berburis [Addi] I the few between them is two days' fall surpfi. This proves that he places the Homerites somewhere rath of Adecountry occurs.

2. Bayond Bachatia [Adel] the occur is enlied Zingians [Zanzibar the Caffee could, and Safar is a place on the less could in that track. This fee also washes the incense enuntry [Adid and Adea], and the country where the

gold mines are:

3. The king of Axioms lends proper perform there by me use of the governour of the Agows to traffick for gold. Many merchants roin this escavan, and carry ozen, fail, and mon, which they exchange for gold. They have these articles and revire,—when the natives come and have so much gold as they chuse to offer. If this is thought tofficient, no their reture they take the gold and have the articles.

This is a very extraordinary pallage, as it proves that the Abylimians traded in that age, as they fill do, not by fea, but inland through their touthern province. And the exchange is fimilar to madern profiles, both on the harders of Abylinia, and other tribes of Africa. Month.

4. The winter [that is the rainy featon,] in Ethiopin is in our fummer; the rains left for three months from Epiphr to Thoth, to as to till all the rivers and form others, which empty themselves into the Nile. Part of these circumflances I have from myself, and others is have hand from the merchants who trade is the country.

5. The great number of flaves procured by all the merchants who trade in this country; a trade noticed equally by the Peripina over 500 hundred years before Cofmas, and by Bruce 1200 years effect his age. It is worthy of remark that Abyllinian flaves bear the first prace in all the markets of the east, and the preference ferms to have been the fame in all ages. Montfaucon, tom. ii. p. 144. Neva Col. Patrum.

First the nation of Gaze, next Agame and Sigue. These I subdued, and exacted the half of their property by way of contribution for my own use.

After these I reduced Ava and Tiamo or Tziamo, Gambela and the country round it, Zingabene, Angabe, Tiama, and the Athagai, Kalaa, and Semene, (a nation beyond the Nile,) among mountains difficult of accets, and covered with snow; in all this region there is half and frost, and snow for deep that the troops sunk up to their knees. I passed the Nile to attack these nations, and subdued them.

I next marched against Lasine and Zaa and Gabala, tribes which inhabit mountains abounding with warm springs; Atalmo also and Bega, these likewise I reduced, and all the nations in their neighbourhood.

After this I proceeded against the Tangastæ", who lie towards the confines of Egypt; these I reduced, and compelled them to open a road of communication from this country into Egypt. The next tribes I subdued were Annine and Metine, who were seated upon mountains almost perpendicular; and Sesea, a tribe which had

p. 1215. The Humerick cultum of taking never lies, p. 528. Fo. ed. Bruce calls Lobo a list, but in many inflances not without

14 Alon 20 at rice of Nitto, which Montfracon reads in a parenthelis as no part of the infuription, but so an observation by Calaum-But the fact is true, Samun is beyond the Tacazze.

from in Abyfinin; but it does not quite follow from this that from was in-known in former ago. Hore rays Soracle that user candidates the moderns observe this now arrest happens. Lobo afferts that frow fulls in Samen

1-15 - 150 - 33 Week

on Manent, but in very finall quantities, and never flee, p. 5-8. For ed. Bruce calls Lobo a liar, but in many inflances not without manifest square. He allows himself than Sames in a ridge eighty miles in extent the highest part in the Jews till within these few years a kingdom of Jews till within these few years.

as if it was partitle to identify this teller with Diagola, it would be a great acquilition to geography. Daugola lice exactly in the proper place, as may be tern by Broom map.

retired

retired to a mountain absolutely inaccessible to an army; but I furrounded the whole mountain, and fat down before it, till I compelled them to surrender; I then selected the best of their young men, their women, their sons and daughters, and seized all their property for my own use.

My next attempt was upon Raufo, an inland tribe in the frankincense country, a region without mountains or water; [from this tract I penetrated again to the coast, where] I found the Solate, whom I subdued, and gave them in charge to guard the coast [from

pirates].

All these nations, protected as they were by mountains almost impregnable, I subdued, and restored their territories to them upon conditions, and made them tributary; other tribes submitted also of their own accord, and paid tribute upon the same terms.

Befides the completion of this, I fent a fleet and land forces against the Arabites", and the city of Kinedópolis on the other fide of the Red Sea; I reduced both to pay tribute, and gave them in charge to maintain the roads free from robbers, and the fea from pirates", fubduing the whole coast from Leukè Komè to Sabèa. In the accomplishment of this business I [had no example to follow, either of the ancient kings of Egypt, or of my own family, but] was the first to conceive the design, and to carry it into execution.

4º Arabians.

crade from Egypt, both for native and Indian commodities, till the Romans were mafters of Egypt. The Romans had a garrifon in Louke Kome, and a cuttom-koule, where they level as per cent, on all goods. See Perphis Maris Eryth, p. et. Hads. Looke Kome feets, in the time of Cofmas, to have following oblimity.

The could of Arabit, north of Yambo, commodities, it has been accordant for pirates and robbers in Egypt. The R all ages. Leake Kome, or the White VII. Kome, and a callinge, we shall fix when we come to the could go per cent. of Arabit in the third book; in cannot be for Maris Eryth from Yambo; and the could from this village forms, in the to Sahea or Yemen was the feet of all the into oblimity.

For my fuccess in this undertaking I now return my thanks to Mars, who " is my father, and by whose affistance I reduced all the nations from [Bactria on] the north, to the Incense coast on the south; and from Libya [on the well,] to Ethiopia and Sasus " on the east. Some of these expeditions I entrusted to my officers; but in most of them I was present, and commanded in person.

Thus having reduced the whole world " to peace under my own authority, I came down to Adule, and facrificed to Jupiter, to Mars, and to Neptune, imploring his protection for all that navigate " [thefe feas].

At it is a remarkable expression. He has already fails be one the fon of Prolemy and Aristoc, defeated from Hercules and Diony fus, and now Mars is his immediate father. Whatever smity there may be in the fovereigns, or flattery or the folipects, there is fall formething analogous in their Macedonian genealogies. Alexander is not the found Philip, but of Japhar Ammon. His countiers, and the family of his countiers, fullow the example of their nameds. They are gods and font of gods, sin Emole, the Errore. The prefumption is rather peculiar, for we may fay to every one of them, Marsis adulture patrent petits.

** From Abyllinia to the Bay of Zeyle. Safas is munifolity a place on the could of Adel.

to The whole would be afformed by many comquerous for the would around them. Alexander and the Romans did not conquer the whole world, but used the fame language.

so Yele the the Course.

It appears fully from this parings that Energetes suggest in this expedition on the plus of his fariner Philadelphias, for the extention and protection of commerce, and that

he swed the whole could on both fides the Rad Sea, making these at half tributary, if not a part of his kingdom; but it no where appears that he pailed the Straits of Bub-cl-Mandeb-Though he vifited the Mofyllinick marts, his approach to thom was not by his, but through the interior of Abytima mil Adel, as appears by his murch from Raufo to Solate, which must be on the coult, from his giving it in charge to the catives to profess the peace of the fea. The execution of their defigure, with the opening a communication inhead from Abylinia to Syene, marks the grandings and without of his fythem, in clearly as if we had a bittory of his reigne and a detail of his expenitions. Of the latter there is not a trace remaining but this removed to is still more extraordinary, that is less than fewerty years all the notice of this expedition floudd law fink into filmer, and that Aguthershides thould fay nothing of this place, but to far as egistes to the cirphants procured at Pindemin Thanco Can thin he adduced as an argument against the resity of the markle? I think not; and I trull it to its internal evidence.

But if the authenticity of the surple he ellowed, what light does it not throw on the boulted fess]. Here also [at Adule] I reunited all my forces, [which had been employed on both coasts of the Red Sea,] and fitting on this throne, in this place, I confectated it to Mars, in the twenty-feventh year of my reign ".

Abyffinian names of Places in the Infcription. Confult Bruce's Map. vol. v. and Ludolfus, p. 14-

Gaza. Geez? but dublous, as it is one of the places first mentioned, and Geez is very far inland; Montfaucon. Pliny's Gaza near Mosvllon is noticed by Chishull; but these places in the commencement seem all between the coast and the Tacazze, or its neighbourhood.

boulled diffeoveries of the Prolemies? It proves, their whatever might be the progreta of Temilibenes down the coast of Africa in the reign of Philadelphus, that on commerce was effablished upon it in the reign of his fon. It proves that the Greeks of Egypt did not yet trade beyond the Brules, or in the Moryllitick coult, though they meditated the attempt. It proves that they did not yet go to Aden, but traded to Yemen within the the firms; and that one object of this expedition was to clear the Acution court of pirates, from Lenke Kome to Sahen that in, from the top of the Gulph to the bottom. In the whole account not a word escapes that implies a trade with the matte of Avalia un the ocean Seyond the Arrits, me does it alford any reulen to believe that the continent of Arabiz was yet circumiurigated, or the difgoveries of the Probinsies brought in contact with those of Alexander.

This has been my inducement for introducing this marble to the knowledge of the study, agreeably to my delign of tracing the difconclude this account with sumarking, that conclude this account with sumarking, that the following reigns, for it flooped at Subin on the Arabino fide, as it does in this marble, and on the African fide it did not go to low in the reign of Philiamutor as is that of Eurogetts.

of Foregree. But it a king commenced his reign in Jans, for radiance, and died in October, it might be 16 years in a chronicle, and wet the 17th would have commenced. Children inperfer this to be the fact. Dodwell impose Energetes to have been convened during his father's life time; and we add, that an error (if it is fach) in numbers may be more readily imported to a MS, than under to impeach the marble.

Agame,

Agamé. A government in Tigré; Montf. Ludolf. p. 17. Agam fignifies Jessamine; Bruce.

Sigue. Bruce mentions Zague as a province, vol. ii. p. 534elfe it might be thought Tigre, from the places mentioned with it; or Sigue for Sire; Σερού, Σορού.

Ava. The province between Adule and Axuma. Nonnofus; Chishull. Axuma is in the province of Tigre. Ava is still found as a district of Tigre,

Tiamo or Tziamo. Tzama a government of Tigre near Agame; Montfancon. It feems to be the kingdom of Damot. But there is a Tzama in Begemder; Ludolf. p. 14-

Gambéla, Gámbela. There is a Gaba noticed by Ludolf, but nothing to mark its relation to Gámbela.

Zingahênê. The country of the Zangues, Zinguis, or Caffres.

Angabê, read Anga-bênê. The kingdom of Angot.

Tiama. Tiamaa, Vatican MS. Tigre-mahon! a mere conjecture. But Mahon, Macuonen, fignifies a governor or government; Ludolf, p. 20. It is idle to fearth for an equivalent, as it is possibly only a repetition of Tiamo.

Ath-agai, Agoa; Monti. Agows; Bruce:

Kalaa. Nothing occurs but the mention of it with Semene.

Semene, Samen, Semen. Montf. The Tacazze is the boundary between Samen and Sire; Bruce, iii. p. 252. The frow mentioned in in the Infeription is denied by Bruce, but the mountains, eighty miles in length, are acknowledged by him; Ibid. And the Infeription mentions passing the Nile (Tacazze) to Semene.

Lafine. Still to called; Cofmas; Lafta.

Zaa. Still fo called; Cofmas, Xoa, Shoz, or Sewa; Ludolf.

Gabala. Still fo called ; Colmas. There is a kingdom of Bali in Ludolph, p. 14. and a Gaba, p. 15. but nothing certain.

At-almo, Lamalmon the great mountain. At, feems to be an article or prefix, as in Ath-agai.

Bega. Beja and Begemder are ftill two provinces of Abyffinia.

Tangaitæ. Voffius reads Pangaitæ, in order to prove that Panchaia the Frankincense country is not in Arabia but Africa; Vosad Pomp. Mel. lib. iii. e 8. Chishull. But the Tangaitæ are a tribe between Abyssimia and Egypt, i. e. at Sennaar, Dongola, or Merod, most probably at Sennaar or Dongola. Dongola is written Dangola, not unlike Tanga. But whether Dangola is an ancient name I cannot discover.

Metine, Annine. Nothing occurs to afcertain these places. The Inscription passes from the northern frontier of Abyssinia to the fouthern with these names between, noticing only that they are mountainous.

Sélea. Barbaria, coaît of Adel; Cofmas. Apparently on the mountains which divide Adel from Abyffinia. See Bruce, vol. iii. p. 250. Raufo. Raufo. Barbaria; Cofm. According to the Infeription itself it is inland from the frankincense coast of Barbaria (Adel), and Solate is on the coast.

Solate. Barbaria; Colm. These three places correspond in number with the three on the Mosyllitick coast mentioned in the Periplus. The modern maps have a Soci.

Arabites, Homerites; Cofmas. But Cofinas is in an error. The Homerites are on the ocean; these are the Arab tribes on the coast of the Red Sea opposite to Suakem and Abyssinia, as appears by the Inscription.

Kinêdópolis. Homerites; Cofmas. But Cofmas is miftaken. It lies on the coast of Arabia not far from Yambo, between Lenke Kome and Sabea, agreeably to the Inteription itself. See Ptolemy, Asia; tab. vi.

Pirate Coast. Not noticed as such, but their piracles marked. Probably the Nabatheans or wild tribes above Yambo, always pirates, and subdued by the later Prolemies and by the Romans. They are pirates at this day.

Leuke Kome. Leukogen, in the country of the Blemmyes; Cofinas. Another proof that Cofinas could not be a forger, for Leuke Kome is in Arabia, above Jidda, and he places it in Ethiopia. It is the Hawr of d'Anville.

Sabea

Sabes. The Homerites; Cofmas. But really Yemen, the Arabia Felix of the ancients.

Safus. At the extremity of Ethiopia where gold called Tancharas is obtained. It lies upon the fame ocean as Barbaria (Adel), where frankincense is procured; Cosmas. By Ethiopia he means Abyllinia, and Sasus must be near Zeyla.

Adule. The port of Abyffinia in the Bay of Mafuali.

No. III.

ΕΙΤΕΝΗΔΙΟΜΜΕΝΟΥΘΕΣΙΑΣ.

THE readings of this extraordinary polyfyllable are as numerous almost as the editions, and the authors who have had occasion to cite it. The corruption is evident to all, but no two agree in the correction.

The whole paffage stands thus:

Μεθ δυ, ποταμοί πλέιοτες, α) άλλοι συνεχείς δρμα, διηρημένοι κατά ς αθμάς α) δρόμους ήμερητέες πλέιες, τές πάντας έπτά, μέχοι Πυραλάων " νήσαν, ΕΛΙΝΗΣ ΛΕΓΟΜΕΝΗΣ ΔΙΩΡΤΚΟΣ, άφ' δε μαρόν έπάνα ΤΟΤ ΛΙΒΟΣ, μετά δύο δρόμες ευχθημέρους, παρ ΑΥΤΗΝ ΤΗΝ ΑΤΕΙΝ ΕΙΤΕΝΗΔΙΟΜ-ΜΕΝΟΤΘΕΣΙΑΣ απαιτά εχσες.

Salmafina results and start of Opinion augus in the Museling awared space. Blancard follows Salmafins, but in this correction, of Opinion aware is affumed without a shadow of resemblance, and is as wrong in point of geography as criticism. The Menuthias of the Periplus has no reference to Prasum whatever; and the mistake of Salmasius arises from supposing that the Menuthias of Protemy and the Periplus are the same, which they certainly are not.

Others read,

Erre Mernbiele anaura rusue. Erre en di en Menubiele anaura ensor.

of The Bull edition reads to Las They are

Henry

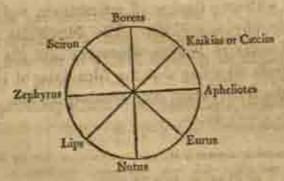
Henry Jacobs, in Hudfon's Minor Geographers, vol. iii. p. 68.

प्रकर कंपनार नहेर वेपका है। ना पर्याक Merelling कंपकार विवाद

But Henry Jacobs adds also, that Prasum is not Molambique but the Cape of Good Hope. He can find no authority for this, but the cllimate of Marinus, and Marinus himself corrects his excess, and reduces his latitude of 34" fourh to 23° 30' o". See Ptol. lib. i. c. 7.

Impressed with the appearance of these difficulties, I venture on the following discussion with no common uncertainty; and little practised as I am in the science of correction, I decline the grammatical and critical part of the inquiry, and wish to confine my reflections almost wholly to what is purely local and geographical.

I. First then it is to be observed that our author has certainly not more than eight " quarters of the heavens, or as we should say in modern language, eight points of the compass, the same number as is marked upon the eight fronts of the Temple of the Winds at Athens, under the following appellations:



eight occur in the Periplus, but that it has the north, Dufis for the weft.

In the application of these, or the terms equivalent to these, the Periplies is by no means accurate; of this we have a direct proof in laying down the coast at Arômata, and in its neighbourhood, where, if our charts are accurate, as they are generally at leaft, it is imsoffible to apply the points of the Periplus to the actual flate of the coaft.

II. Secondly, let us examine the points of the compats specified by the author in this passage, and his manner of expressing them; thele are sman re Aless, or in and " and may don't re clear, answering to the west and fouth west in the foregoing figure; and here it. is observed, that exam or ex and TE Alest, is not known as a Greek idiom. But let us suppose it to be a nautical phrase, how is it to be interpreted? Africum verfus à superiori parte? Altius quain Africus? Above the fouth well? If this has a meaning in Greek what is to be understood by above? Is it more to the fouth or more to the west? that is, is it fouth west by west, or fouth west by fouth? The difficulty which occurs here, induces Dr. Charles Burney, of Greenwich, to diffeard the expression and to read in assertage, for TWENTE TE AIGOS.

In the next place how are we to understand was auring the Sugar. Hagel, according to the lexicons, has a fenie of motion to a place. In which form it might be rendered directly to the west, to the west direct. The general utage for this in the Periplits is it; Novor, p. 7. is; mintohiv, ibid; but in p. q. almost immediately preceding the passage before us, wag dures you res A/Bu feems to express the direction" of the

ecol.

but whether it can be used with a wind, or in wasertoyee. See Odyl. E. 418, 440. Sing

[&]quot; The primitive feate of wags, forms to be fine of it-

to Been with a genitive is in common ale, joxtapolition, or fide by fide, at manage. what feels, is diblious. Resident of production, unperhapse, where the waves do not break above the fernament, is a known idium. sincetily against the coast, but you along the

coast lying south west and north east as we should express it in English, or the course of a vessel along the coast in a south west direction.

III. Thirdly, we must inquire how these expressions can be applied in any of their fenfes to the actual geography of the coast and illand; and here I affame Menuthelias or Menuthias for one of the Zanguebar illands, from the diffance specified, which is at thirty stadia from the coast, equal to eight or ten miles, and corresponding with the diffance of no other iflands in this part of the voyage. Of the three Zanguebar iflands, Monfia the third, or fouthernmost may well be preferred from the account of distances in the Periplus, both previous and subsequent. And if we assume Monsia, our next inquiry must be, how this lies with respect to the coast; the chart will thew that it lies directly eaft. A fufficient cause to justify the reading of Dr. Charles Burney, of er ararolin, for ename of A.G.; But let us try if image to A.Gis has a meaning, how it could be applied. I have assumed Mombaça for the Pyralaan islands, or rather for the Kaur diagot, the new canal ". The veffel is plainly fetting out from this point, [Rai TYS RAINES ALYGHEUTS SIMPLY OF, MED BE MIRROR swave To Aidde,] that is, from Mombaca, and going down to an island eight or ten miles diffant from the coaft. The coaft itself runs fouth west, but if she is to stand off the coast for the island, she runs not fouth well, but more towards the fouth than fouth well. Now this is actually the course a vessel must hold to run from Mombaça to Monfia. It would not be fouth direct, but a little to the fouth of

The proofs will be found p. 153. et legg. fupra

fourth west. If therefore index is also can be made a Greek idiom, or a Greek nautical phrase, this I conclude is the only interpretation it could bear. It must be noticed likewise, that this expression must be applied to the course of the veilel, as the derivative must be applied to the course of the veilel, as the derivative must apply to the position of the islands, it is joined with part the desires supplyingous, as the during the door, is joined with interphase distance analy expressions.

What then is may kerrly riv born . . . kerseric tiese? That I have fearce the hardiness to say. West it cannot be, for whatever lies west from Mombaça, or any point on the coast, must lie inland on the continent of Africa. Neither can it signify the island intell lying east and west, or the three islands taken together, for they lie nearly north and south. This reduces a commentator to his last resource, which is either to say that born is a false reading, or to find another sense for it, if it must be retained. I confess this dilemma most candidly, and have no more considence in the following suggestion, than just such as the reader shall please to give it.

I do not differed soon, but give it another lenfe, as the only alternative left to my choice. It has been noticed in the preceding work that soon and avarable, besides their literal meaning of well and east, have likewise a relative sense given to them by mariners, in which they are applied to the general tendency of the voyage rather than to the quarters of the heavens, in regard to the ship's place, or the individual point where the mariner is at the moment he is speaking. It is owing to this that when a vessel is proceeding from Mosamhique on her voyage to India we read in her journal that the salled to the eastward, though undoubtedly her course was north or north east; or if she is proceeding to the Cape, it is said she failed

to the westward, though her course is certainly south or south west, An expression adopted on our own coast" also, and perhaps on every other; and I can now shew that this is the language of the Periplus beyond dispute; for (at p. 35.) when the author is describing the pallage round Cape Comorin he has these words, weel of rais μετ κυτέν [Λημομικήν] χωρών, ήδη πρός ανατολήν το πλοός αποιεύσετος, λις σέλαγος εμπειται πρός αυτήν την ΔΥΣΙΝ, εφτος λεγομένη Παλαισιμένδα, Tage de rais signales zorde Tampetaux; that is, " When the course " takes an inclination to the east round the coast, [or on that part of " the coaft] which faceeds to Limyrice, there lies out at fea directly " to the west [fouth] an island called Palæsimoondoo, [by the " natives,] but which their ancestors used to call Taprobana." The exprellion here is precifely the fame, except that it is were during The during, instead of mand during the man. Hook intimating, as I conceive, the point of the compals, and was the course of a veilel in that direction. And if we now ask, what is the meaning of Acon, the map will thew in an instant, that Ceylon does not lie WEST from the continent but SOUTH. It is on this evidence that I wish to render Aven fouth, in the pallage before us, remarking that the three Zanguebar iflands lie directly SOUTH from Mombaça. If this be rejected, I do not fee how to find any application for the term west, in relation to any part of the coast, or to any other island in the neighbourhood.

IV. We come now to the word which is the cause of all this speculation, and in Errandiappurs 910 act all the commentators are agreed, that Menuthias in some form or other is to be collected out

¹⁴ The trade to the Baltick is always called the East Country Trade,

of the latter part of the polyiyllable. I should have wished to confider Menuthias as an adjective rather than a substantive, Menuthesian rather than Menuthias. In velice I am led to region, both by the context and the letters, for velice is relian in the writing of MSS., and v is often turned into p, not merely by an error of the copyist, but by coming before another p. If this be allowed, the change of a into a seems to give region with great facility.

Let us then examine what the geography requires. It requires that Menúthias, if it is Monfia, thould be described as one of the three Menúthipun or Zanguebar iflands, or it thould be described as the fauthernmost of the three Menúthifian or Zanguebar islands. This is the sense I want to elicit from the corruption; and with as little change of the form as possible, I propose the following conjectures:

Hag authe the duois the engles Mera Jeolar, a varta entor.

Has durie ree dure is in river [or ex rente] egrier, Merederlus einaura rivos.

But the form I prefer is,

Had durin ris dion fon ras enclos, Mendeciae disturt ences, or

Hag durên rên duren êre engine [or engeline direntar] Mendleries durant engage.

In which case & wastes may have been dropped by the repetition of & warris. And in these several readings I should refer revise to the Pyralaan islands immediately preceding, and interpret the passage thus:

Almost directly fouth then of the [Pyralaan] islands you meet with the island Menûthesiae, the last of all the islands.

"His is a particle frequently used in this manner by the author, and occurs in this very page, was auror non rise Aica, but if the letters are to be regarded, perhaps way during the dien its squias Musserias, α παιτά εξετες τος, πας άυτην την δύσιο έτι νησίων [Πυμακάων] Μειαθεσίας course river, approach nearer to the form of writing than any others, that will bear a fenfe of any fort.

I am sensible that it is no true canon of criticism to bend the words to the fenfe we wish to find; I confess freely I am not fatisfied with any of these corrections, for in this very page the author uses his ros Nors for the fouth, and was surer non res Ains for the fouth west; and it is not easy to conceive why he should have used disas here inflead of seros, if it were to fignify the fame point. The only defence I can make, is, to repeat, that no island on the coast can lie west from the coast, and if it is west from any other place, that place I cannot discover". I submit, therefore, the whole of this discussion to the candour of the reader, and those more practised in critical corrections, with fome confidence that if I have not completed the folution of the difficulty, I may have afforded grounds for future commentators to proceed on.

as 'tile is easier to conceive than to sender; Abbie in pullages of this confirmation follows some scalify than mox, continuo, &c. but it is better rendered by marry; and it is subject, in was july day.

54 The only puffible relation in which I can conceive 2 or to be employed, is, in regard to wolfers fide of the Zanguebar mands. But course on the eathers thurs. fuels a courfe would never be expressed by

me aims en lives in the language of the Peopless for if it were, the course down the soul of the sunis, opposite to Zangushar must then he expressed by my more the improves. as the flip is going down the callers fide of the continent; but this is not to expressed, it is wag meet all you Allie, in which the direction the thip's number when the is running down the of the number is marked, and not the thip's

I now read the whole passage thus:

Hudfon.

Proposed Tent.

Tradein.

The Minner part is, we ерия, атрушно ката гостряз; кай Referred to the state of the st ray iven, page Theorem 15 No. Cor ", Karris Asyonism Ampones. and he sample brainer " are stalled "!". http: for grant magnifer and distribution and the state of the conplat Swarm Nicola raller and to you will remove by removed and merchanisms

estable Warmer and his rapid things, and also symple: Toropal thinness and also seed Mile Square disposition maril madical and frings inguish where only marries form, prince Huganasa Nacons and the Kanes Anything Diato year And it make train oil Addit preside his being strategies, my iters to him the [in] surface, Manchestan demand Names puller and the you west tymester, turned and ascendarloss.

... Next inecesis the anchorage of Nacon, and after that, fereral rivers and other anchorages in facultion, distributed into correlpending couries of one day such, which smoone to leven altogether, terminating at the Pyralaus illumits, and the place called the new count. From the new send the conife is not directly fouth well, but homething more to the fouties and after two couries of twenty-four home Fin this direction, I you ment with the filled Mentithelies, lying almost directly fouth from the [Peral se | Mande, at the diffusee of about thirty dadie from the continent. Membrioties infelf is law and woody.

If the question were now asked, whether I am satisfied with this interpretation myfelf, I could not answer in the affirmative, for the sense I withed to obtain was, that Menuthias was the most fouthernly of the Menuthefian illands; and this fact I am not able to extract from any polition of the words, or any restoration of the passage which I have to propole. I shall therefore only add some emendations of the paffage proposed by Dr. Charles Burney, who, however, ftill doubts whether they ought to be deemed completely fatisfactory. If his correction thould meet the opinion of the learned, I thall fubfcribe without helitation to his refloration of in asarakis for emisse ve Asse, and have little fcruple in embracing his reading of

¹ Var. Left. Hamidon Buill.

of the rat sound. Burney.

or the Low Ball. to the simple Burney.

σαρ αυτήν την δύσην διατώνεσα ή Μενεβίας, . . . if δύση may be rendered SOUTH.

Observations by Dr. Charles Burney.

Паріятков так Едибраї виканти. Edit. Princ. Bafilex. Quarto. 1533. p. 20. l. 30.

Όμως, διηρημένοι καθά σθαθμόνς και δρόμας ήμερησίας πλείους,
 τούς πάθας ἐπθά, μέχρι πυμιλάων νήσων, καινής λεγομένης διώρυχος.

3. μφ τς μικρου έπ άνω τε λιέσε, μέλα δύο δρόμους νυχθημέρες, πας

4. ผ่างไท้ย รทับ อีบ์สาย อังโรงที่สายผลเยอบข้อยสายสายสายเป็น หลังจะ น้ำหลัง สายสาย

5. Não doel rejanorius, ravent nai naladerdese.

In editione Blancardi, Amstel. 1683; in octavo, p. 151. L 4-14.

L. 2. Пирідаму. L. 3. Етауы.

 3. 4. Νυχθημέρες, παρ αυβό τὸ Πράσον άπρον ως ἐω Μενουθιὰς ἀπανβά νησος, σβαδίων ἀπό τ.

In editione Hudfonl, Geographiæ Vet. Scriptores Græci Minor. vol. i. p. g. l. 26.—p. 10. l. 2.

L. 2. Bugikaler. L. 3. Emain.

L. 4. 5. Eladios and ris.

L. 2. Μέχρι Πυριλάων νέσων, καινής λεγομένης διώρυχος.

It is furprifing, that all the editors should have passed over this passage, which is wholly unintelligible; nor will the supposition of

[&]quot;The references in their semmake are made to Hudion's edition-

the virus being understood, between μέχρι and Πυριλέου, remove the difficulty, of which you appear to have been the first observer. Καινί διώρυξ, as you remark, would, indeed, be an odd name for an island.

The article is improperly omitted, in the latter part of the fentence. Hence the paffage may be thus read:

Μέχρι Πυρικώνν νησων, και της καινής λεγομένης διώρυχος.

The word same has absorbed and ree, which might easily happen, from the similarity of found, and accent on the final ve.

 3. ἀΦ΄ ἢε μιπρόν ἐπάνω τῶ Λιζός, μεθά δύο δρόμους νοχθημέρους, παρ΄ ἀσῆν την δόσιν——

"Επάνω του Λοδός, on account of the intervention of μεξα δ. δ. μηςθημέρους, cannot possibly be connected with παρ αύξην την δύπον, nor would these terms, if they could be united, explain the situation of the island Menúthias. Instead of επάνω του λοδός, read, επάνωξελήν, which precisely expresses the position of Menúthias, with respect to the new canal, or επάνω διάγωξ, on the coast of Africa.

To remove all doubt about the truth of the correction, the words of Ptolemy may be adduced:

"Ω (ακεβηρίω, τῷ Πρώτω) παρακείζαι από θεριούν αναβολών ενίστο, τ̄ άτομα Μεκουθίσε, p. 131.

It may also be mentioned, that Aid is the name of a wind; and not of the coast, over which Africus blows. What possible exexplanation then can be given to imass rou Mess?—The terms begind record is xupassival, in Aulus Gellius, ii. xxii. p. 210. edit. Conrad. may illustrate Ptolemy's and begins analohus.

4. Παρ' άθην την δύσιν έθενηδιωμμενουθευσίας άπανθά επισος άπο σημείων της γής ώσει τριακοσίαν.

In the latter part of this portentous word, is an imperimentally, Salmasius acutely discovered the name of the island Memirthias; but it is impossible to assent to his change of πας αυθης την δύσιν έξενςδιωμ, into πως ἀνής τὸ Πρώσον άκρον ἐις ἔω. It does not appear, that the author of this Periplus was acquainted with the Promontory of Prasum; and it is certain, that he never uses ἐις ἔω, but ἐπὶ, ὡς, or πρὸς, ἀναθολέν, for Orientem versus. The new reading also does not sufficiently resemble the old, for it to have just claims to admission.

Henrieus Jacobius is still more unfortunate in his conjecture—

sour in the votion Mercustide at votor. This author, indeed, has, p. 27.

1. 26. and the votion to indexed the indexed to the will not vindicate of the votion, nor will add to diameter appears, antique quadra jure, in p. 10.

1. 23. nor in p. 20. l. 3. images of noted to shimostics, if the passage be found, defend this usage of to with votion. This author, indeed, has, p. 7. l. 34. is to votor, and again, p. 9. l. 14. so p. 11. l. 16. and willow, and p. 12. l. 32. not aligned to for,—but to votice is unexampled in this Periphus.

As to in your regriss Massesseries, or Massesseries a. 1970s, it is hard to admit is, and not agreeable to the ulage of the Periphis.—Erro regriss Massesseries, would occasion the omission of two words, analysis, as you observe; which would greatly invalidate the conjec-

ture, even if the following ταπουν did not render it inadmissible.—It is right to state, that the word νεσίον occurs in this Periplus, p. 22. I. το. πρόκει με το μπερόν.

Salmafius appears, as has been mentioned, to have rightly traced the name Musousies, in the latter part of this strange word. In the former, Musicapa, seem to be discoverable the disjoined traces of Sichnisona it. The letters are strangely jumbled; but it is to be recollected, that in the very next line, where Hudson gives sometime and rise, the editio Princeps has and special rise y.

Let the author himfelf defend this reflitution. First, for marri-

P. 5. L 16. in avalondo dealaire.

P. G. I. 17, degulaply to it available dealisable, &cc. &cc.

To conclude, the whole paffage should probably be read thus:

Όρμοι, διηρημένοι καθά σθαθμούς καὶ δρόμους ήμερησίους πλείους, τούς πάθας ἐπθά, μέχρι Πυριλάων νήσων, καὶ της καινής λεγομίνης διάρυχος ἀΦ ῆς μικρόν ἐπ ἀναθολήν, μέθα δύο δρόμους ευχύημέρους, πας άθθη τέν δύουν διάθενουσα, ή Μενουδίας ἀπαθά τησος, σθαδίων ἀπό της γης ώσελ τεικυσέων, ταπεινή και καθάθενδρος.

No. IV.

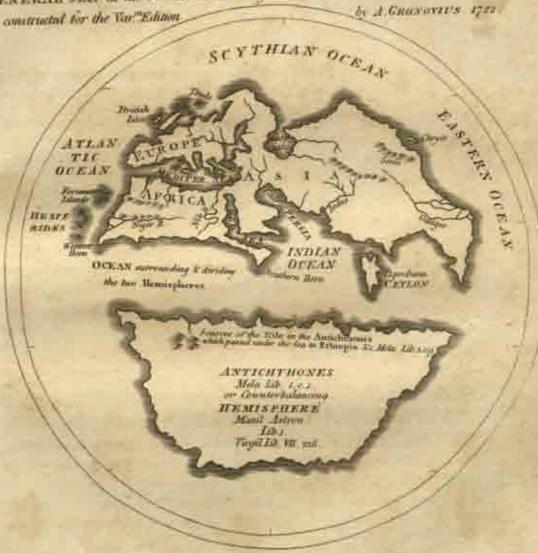
ANCIENT MAPS of the WORLD.

I HREE plates are here prefented to the observation of the reader, two of which are original, from Cofinas Indicopleuftes, and Al Edriffi, and the third is drawn up by Bertius, for the Variorum edition of Pomponius Mela, by Abraham Gronovius, 1722.

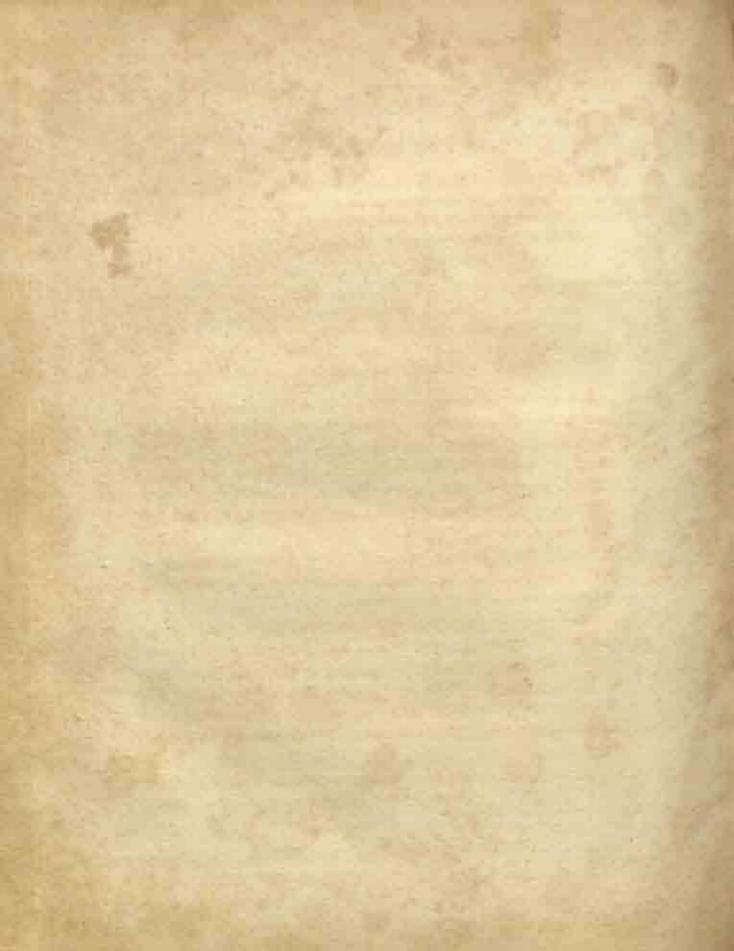
L. Pomponius Mela, as earlielt in point of time, requires our confideration first, and in this map it will be feen with what propriety the ancients called the extent of the earth, from west to east, length, and the extent, from north to fouth, breadth. Artemidorus" (104, A. C.) is faid by Pliny to have first employed the terms of length and breadth, or longitude and latitude. The dividing of these into degrees, and degrees into their parts, was not effected fully before the time of Marinus, nor brought into practice before Ptolemy. But our present inquiry is confined to the appearance of the earth, and here the great object which strikes our attention is the vast fouthern continent or hemitphere, placed as it were " in counterbalance to the northern. The form in which it here appears feems as if the ancients had cut off the great triangle of Africa to the fourh, and (welled it into another world in contradillinction to that which they knew and inhabited themselves: It is this supposition which gives rife to the expressions of Manilius.

⁶⁸ See Aguthemetas, in Haillen's Grage " Pom, Mela, lib is c 1. See the map Mini, cap. iv. Strabo, Eh. L. p. 64. Piel. mill in Gronovier. libe is

GENERAL MAP of the WORLD according to POMPONIUS MELA by P. HERTIEN



Published security to det of the lineary day of the properties of



Altera pars orbis fub aquis jacet invia nobis;
Ignoceque hominum gentes, nec transita regna
Commune ex uno lumen ducentia fole;
Divertifique umbras, Levaque cadentia figna,
Er dextros ortis calo spectantia verso. Astron, lib. i.

And the fame fentiment in Virgil.

Audit et fi quem tellus extrema refulo Submovet occano, et fi quem extenta plagarum Quatuor in medio dirimit plaga folis iniqui. Als. lib. «li. 226.

It is this supposition also which gave rise to the belief of circumnavigations which never took place; for Mr. Gosselin proves that the voyage of Eudowus cuts through the centre of the great continent of Africa, and Hanno is carried to the Red Sea without passing the equator. This it is which extends the title of the Atlantick Ocean, to the east of Africa as well as to the west, and makes Juba commence the Atlantick from Mosyllon. All this is natural, if the continent of Africa be curtailed at the twelfth degree of northern latitude, and the voyage shortened by about eighty degrees in extent.

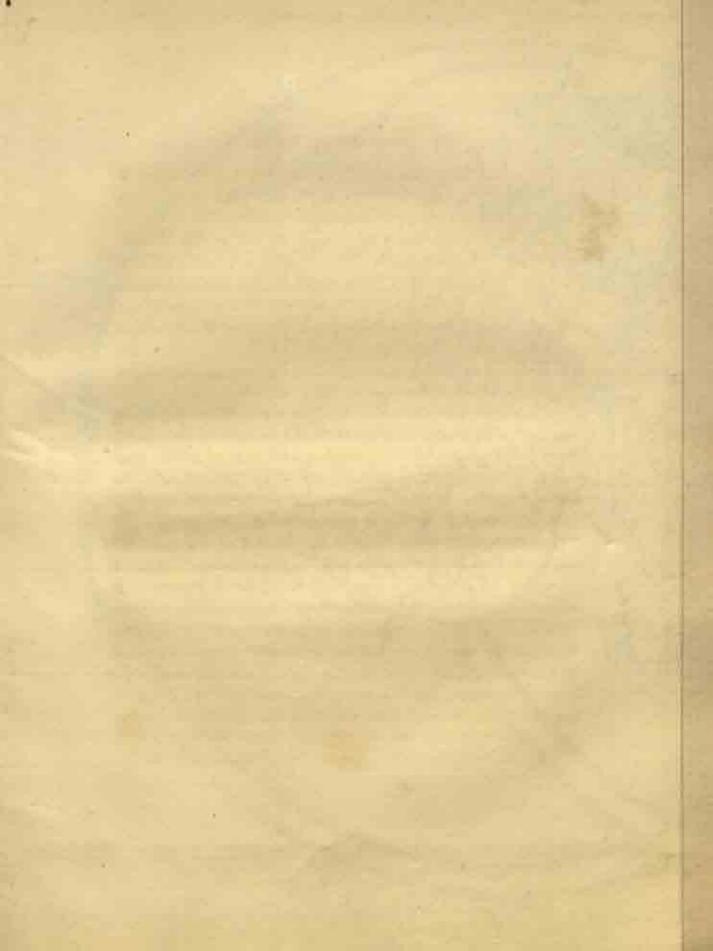
But it may be proper to call the attention of the reader to the view of this fort of a world, as applicable to the Phenician expedition of Herodesus. A vessel failing along the fouthern coast of such an Africa as this, has in theory the sun upon the right-hand of the navigators for three parts of the voyage, and this constitutes the circumstance as the grand occurrence of the expedition. But were the same vessel to run into latitude 54' fouth, the real latitude of the Cape, the space during which the sun would be on the right-hand,

hand, is a point in comparison of the other course, and the phenomenon would doubtless have been pointed out in other terms, as the quarter of the heavens, or the place of the luminary.

There is another particular in this map also well worthy of attention, which is the fource of the Nile placed in the fourthern hemisphere, and compelled to run under the ocean, like another Alpheus, and rife again in Ethiopia; now this fable has its origin from one of two causes; for it was either known that this hypothesis cut Africa too thort to afford a place for the sources of the Nile, which were catried to an indefinite distance south by the early geographers", and therefore a fituation south must be found beyond the ocean in the other hemisphere, or else it arose from the report of the Nile in the early part of its course, running through a sea with which it never mixes. This is a circumstance which is now known to take place on its passing through the Lake Tzana or Dembea, where Bruce assures us that the course of the stream across the lake is diffinelly wishle from the high land in the neighbourhood,

Nothing farther worthy of observation occurs in this map, but that it cuts short the peninsula of India as well as Africa, and places Taprobana or Ceylon as it appears in the tables of Ptolemy. It unites also the Caspian Sea with the ocean, and gives a circumambient ocean on the north, as navigable as on the fouth, part of which the Argonauts did navigate! and all but the whole was supposed to have been navigated, by Piny. It was this supposition which brought the Seres on the north, almost as nearly in contact with the Caspian "Sea, as Mosyllon was with the Fortunate Isles on the fouth!

^{**} To 12" or 13" fouth by Protemy. ** See the concluding pages of the Periodic.



MAP of the WORLD taken from an Arabian Manuscript of Al Edrisi in the Bodleian Library. The Anther level to the 12th Century the Mountains of the 15th North 32 the Arabian Geographics represent the World as on Egg fronting in a forem of Water Laker & Sources of the Mile umbe James Stelle Fully account a dref former the Filler to D. Carne

how many obilities has real navigation discovered, which fictitious navigators furmamented without a difficulty?

H. The Map of Cofmas"

Is for poor a composition, and so wholly the conception of his own mind, that it would be utterly unworthy of notice were it not the original production of the monk himfelf. The veracity of Cofmas, both in regard to what he faw and heard, is respectable, as we shall thew hereafter in his account of Ceylon; but his hypothelis, as may be feen, makes the world a parallelogram with a circumamhient ocean, and the rivers of Paradife flowing on the outlide; while the viciffitude of day and night is not caused by the revolution of the earth or the heavens, but by the fun's difk being obleured by a mountain on the north. He also has a Caspian Sea that joins the ocean, and a Nile that runs under the ocean, fpringing from the Othon of Paradife in another world. The ignorance of an individual is not aftonishing in any age, but the ignorance of Colmas is extraoedinary in the fixth century, when we must suppose the writings of Ptolemy would have been known to a monk of Egypt, and when that monk refided fome years within the tropick, and maift have feen the fun on the north as well as on the fourh,

III. The Map of Al-Edriffi.

I own the knowledge of this map to the kindness of Dr. White the Arabick Profesior at Oxford; there are two Arabick " copies of

at See plane in the account of the Adulls of Porock's. No. 375. Heproc 906, A. B. alek Infeription.

1500. It is from the last this thin cusp is

Al-Edriffi in the Bodleian, and that from which the opposite map is taken is beautiful and adorned with maps for almost every chapter. This before us is a general one, curious because it is evidently founded upon the error of Ptalemy, which carries the coast of Africa round to the east, and forms a fouthern continent totally excluding the circumnavigation into the Atlantick Ocean. The learned Hartman supposes that Al-Edrissi's account goes as low as 26" 20' o" fourth, to the river Spirito Santo. It may be fo, for Daguta is his laft city, which is but three days fail from Gasta, and Gasta is but one from Komr, the Illand of the Moon, or Madagafear. (See Hartman's Al-Edriffi, p. 113. et feqq.) This point and Wak Wak or Ouak Ouak from to baffle explanation, and Hartman confelles he can find no room for the latter. But with all its fable, it is still the kingdom of the Zinguis, (Hartin, p. 106.) and if so, it must be Benomotapa, which lies inland, and which Al-Edriffi has ignorantly brought to the coaft. It is, in fhort, the termination of knowledge, which, with Arabians as well as Greeks, is always fabulous, and is by fome of their writers placed in the Mare tenebrolum, or Sea of China, (p. 107. Bakai another Arabian.)

That the Komr of Al-Edriffi, the Island of the Moon, is Madagascar I have no doubt; because in the maps which detail the coast, I found the continuation of this island opposite to the continent through several chapters, in all which parcels, Dr. White assured me the name of Komr was regularly repeated; and though Hartman is by this made to doubt concerning Saranda, Serendib, or Ceylon, (p. 116. et seqq.) there is no ground for helitation, the error originates with Ptolemy, and the necessity of carrying round the lower part of Africa to the east, compels those who follow his hypothesis to throw up Madagafear nearly opposite to Ceylon, to bring the Indus into the Gulph of Persia, and the Ganges over the bead of Ceylon. Whether all these inconsistencies would have appeared as gross in detail as in the general map, I cannot say; my want of Oriental learning, I regretted, did not permit me to examine the MS, myself, in a fatisfactory manner, and I had intruded too far on the affishance of the professor. To judge by Madagascar and the coast of Africa, I still think the search would repay any Orientalist who would pursue it; and when Sir William Outely has finished Elm Haukel, what better seems for the employment of his superior talents than Al-Edriss, whom we all quote from an imperfect translation, and whom we should know how to appreciate, if the dross were once separated from his ore.

The course of the Nile is fill more hyperbolical in this author than in Prolemy whom he copies, but he has an inland Caspian as well as that author, and of a better form. To compensate this, however, he has his magnetick rocks which draw the iron out of vessels, an eastern table as regularly at the limit of Oriental knowledge, as Anthropophagi fixed the boundary of the Greeks; while his termination of the coast of Africa at Daguta wherever that may be fixed, proves that little more had been done by the Arabs of the twelfth century, towards profecuting the discovery of the coast to the fouth, than by those whom the Greeks found there, or by the Greeks themselves.

The Arabick names of this map, now supplied by cyphers, have been translated by Captain Francklin of the Bengal Establishment, whose merit as an Oriental scholar is sufficiently established by his History of the Revolutions at Dehli, and who has repaid the inflruction of his youth, with the cordiality of a friench.

ALIE THE REAL PROPERTY.

Numbers

Numbers and Names of the Chart from the Arabick, by Captain Francklin.

	THE RESERVE AND ADDRESS OF THE PARTY OF THE		THE RESIDENCE AND ADDRESS.
No. 1.	Mountains of the Moon, No.	23.	Belad Mufrada.
HITTE	and fources of the Nile.	24.	Belad Nemanch.
2.	Berbara.	25.	Al-Mulica u Sinhajeh.
4.	Al-Zung.	26.	Curan (Karooan of
100	Sefala.	1	Gibbon).
	Al-Wak Wak	27.	Negroland.
	Serendeeb (Ceylon).	28.	Al-Sous Nera.
	Al-Comor (Madagascar).	29.	Al-Mughrub Al-Am-
5.00	Al-Dafi.	an his	keen.
9.	Al-Yemen (Arabia Felix).	30.	Afreekeen (Africa).
-	Tehama.	31-	Al-Hurced.
14.	Al-Hejaz (Arabia De-	32.	Scharce, Bereneek (or
1000	ferta)	210	Defart of Berenice).
12.	Al-Shujur.	33-	Miffur (Egypt).
700	Al-Imama.	34	Al-Sham (Syria).
	Al-Habeth (Ethiopia).	35-	Al-Irak
	Al-Nuba (Nubia).	362	Fars (Pertia Proper).
	Al-Tajdeen.	37	Kirman (Carmania);
	Al-Bejahr	38.	Alfazeh.
	Al-Sauced (Upper	39-	Mughan.
200	Egypt).	40.	Al-Sunda.
10.	Afonahat.	41.	Al-Hind (India).
	Gowaz.	42.	Al-Seen (China).
	Kanum.	43	Khorafan,
22.	Belad Al-Lemlum.	44	Al-Beharus
and in the	and the second		45. Azerbijan

No. 45. Azerbijan (Media).	No. 65. Al-Alman.
46. Khuwarizm.	66. Al-Khuzzus (Cafpian
47. Al-Shafh.	Sca).
48. Khirkeez.	67. Turkea (Turkey).
49. Al-Sefur.	68. Albeian (Albania).
50 Al-Tibut (Tibet).	69 Makedunecah (Mace-
St. Al-Nufuz Izz.	donia).
52. Kurjeea (Georgia),	70. Baltic Sea.
53 Keymâk.	71. Jenubea (probably
54 Kulhæa.	Sweden).
55. Izzea.	72. Germania (Germany).
56, Azkuth.	73. Denmark.
57. Turketh.	74. Afranfeeah (France).
58. Iturâb.	75. Felowiah (Norway).
59. Bulghar (Bulgaria).	76. Burtea or Burtenea (Bri-
60. Al Mutenah.	tain).
61. Yajooj (Gog).	77. Corfica, Sardinia, &cc.
62. Majocj (Magog).	78. Italy.
63. Afiatic (Ruffia).	79. Afhkerineah (part of
ба. Beicerut.	Spain).

STAN NATIONAL

DIRECTIONS TO THE BINDER.

- I. The Portrait of Vafco de Gama to front the title page.

This portrait is taken from the Portuguele manuscript of Ressende, in the British Museum, and by the account of Faria y Sousa, (vol. i. p. 281.) answers to the portrait of Gama, preserved in the Viceroy's palace of Goa, where the portraits of all the Viceroya seem to have been placed. Faria writes thus: "He died opon Christmas Eve, having been Viceroy three months, was of a middle stature, somewhat gross, of a ruddy complexion." He is painted with a black cap, cloak and breeches, edged with velvet, all stagled, through which appears the crimson lining, the doublet of erimson fattin, and over it his armour inlaid with gold." If this description be from the portrait at Goa, we have here probably a drawing from the picture, as it corresponds in every particular except the status in the cloak.

- II. Chart of the Red Sea, to front Book II. p. 69.
- III. Chart of the Coast of Africa, to front p. 111.
- IV. A drawing of Aduli and the Chair of Ptolemy, &c. In the bottom of the plate is a general plan of the World; both from the MS, of Coloma Indicopleutes, published by Montfaucon, (tom i. p. 188. Nova Collectio Patrum,) to from the differentian on the Adulitick marble. Appendix, p. 50.
- V. A general map of the world, confructed for Pomponius Mela, to from the account of ancient maps in the Appendix, p. So.
- VI. A general map of the world from an Arabick MS. (in the Bodleian Library) of Al-Edriffi, commonly called the Nubian Geographer; this map to front, p. 83. Appendix.

ERRATA

Page 3. line 2. for work read journal

13. note 7. for sprays read Courses

13. line ult. dele unly

15 - 7 for Aguthureides read Aguthurchides

ובמעים איים ומבאים איים הוא המנאים אום and ביים

47. note \$4. Yer promising read promising

48, mote 65. for Chiam and Chia

58. nme tex. Ar minute real minute

fig. N. XII. after Account order Arbitrata

79. rote 30. for Managem road Managers

84. line 4. for that is from Berenice end that is, lies 4000 fludia from Berenice penult. for Hoefit and Hubells

68. mire : 1. for Turunta sond Taranta

18. note 74. after lifteen mild days

115. line 14. for Tepara and Tapera

13c. - 11. for 11-30' d'Anville wad 11-45' d'Anville

135. - 17. for Murro Cabir rend Morro Cober

140. - 5- for Aden rend Aden

175. - 2. for Nexhii read Noon

156. - 8. Ar 1515 read 1721

197, unte 323. Se pallare in stari, de ponente real pallare de nure de ponente

202. line 2. for map and chart sand map or chart

\$23 - \$2 after time infere it

10: Ar other tribe rand other, a tribe

APPENDIX.

14. for Cultus Corticolus bark, Collus rand Collus Corticolus, bark Collus

21. Imm 5. for Calleni rend Calleni

62 ante 45. line 2 dele , that

At pp. 43- 47- 61, and 98. Hadramant is printed for Hadramaut.

P. 100, note 79, tomuenzos regizme Corda mare cur luripos sectora is our Californi "Eldan ought to have been printed at the end of the first book.

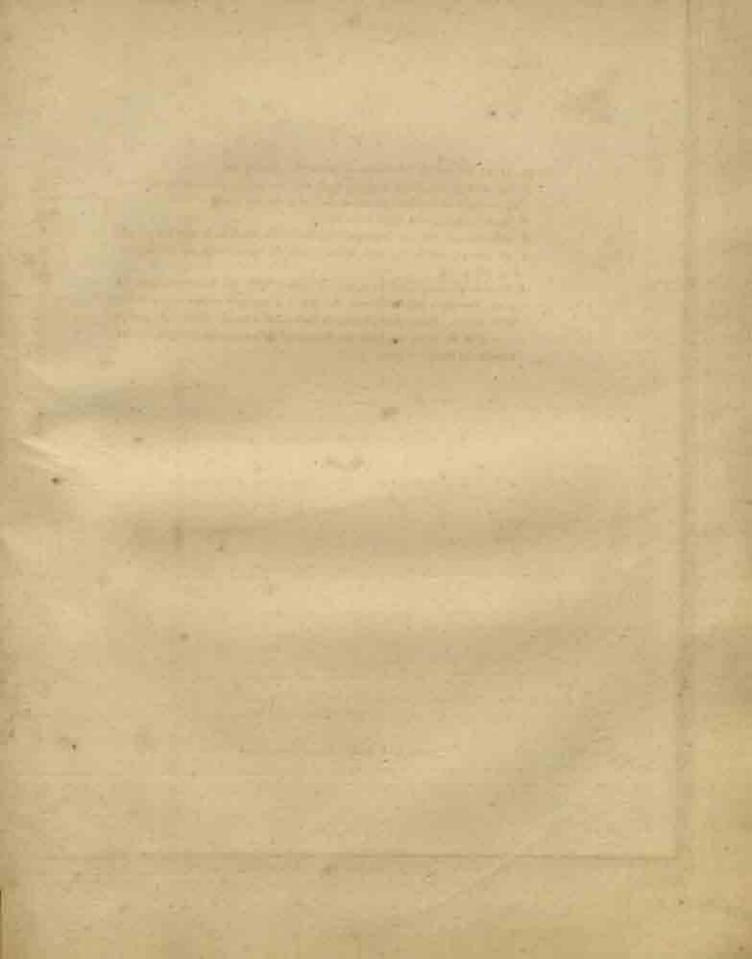
P. 74, onte 61, the note might to be grafed.

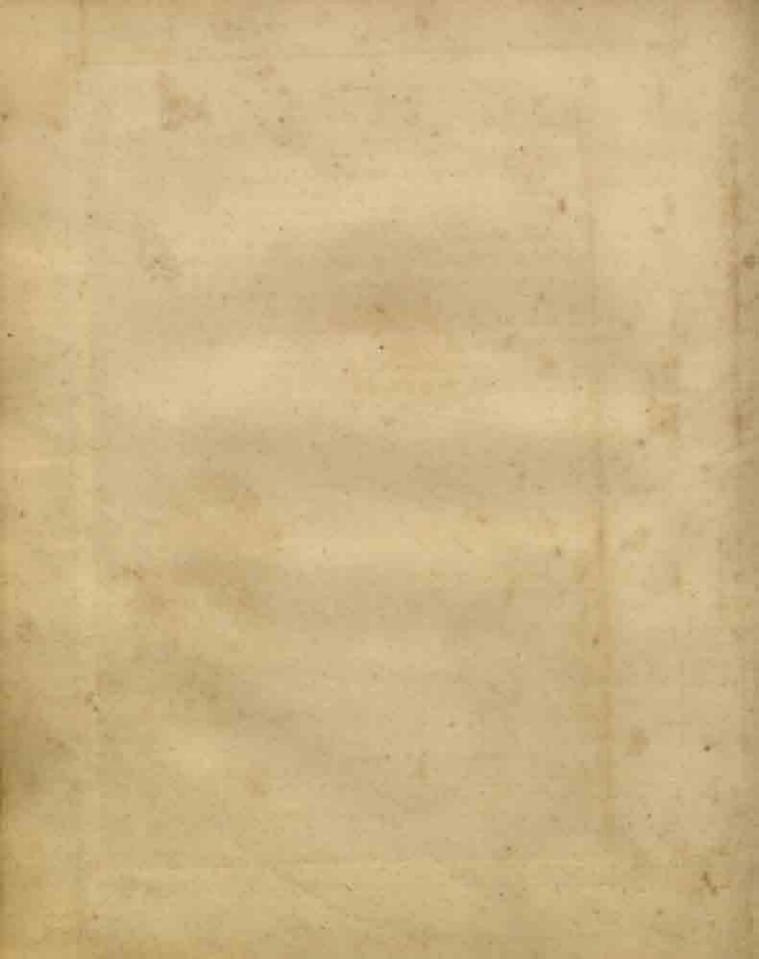
P. 126: note 147: the error improperly imputed to Mr. Gotfelin is corrected p. 136. P. 28 note 51. add the Hyens is faid to imitate the human voice, by Bufbequint.

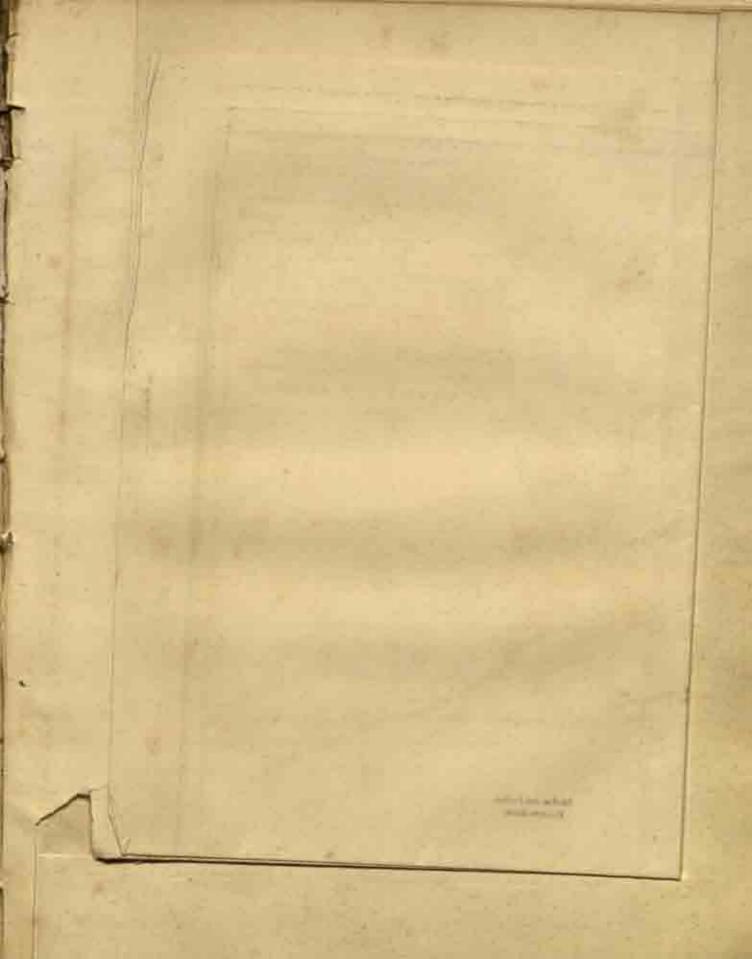
Eng. ed. p. 79:

P. 86. note 48. .. is printed for m, and w is in many MSS, the churacter of beta (as in Mr. Townley's MS, of Humer, &c. &c.); it was ruly to turn this a of the MSS, into a. Honce the find nation in Prolemy of 10 and 45, which englit always to be as or so, which are both the fame, and univer to one twelfth, or five minutes the twelfth of fixty.









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PERIPLUS

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BEGITATA LOGIC HTAYS

- Gu Tribalam Sincest, p.p.

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COURT OF ST ASSESS OF the COURT OF the original of

PERIPLUS

OF THE

ERYTHREAN SEA.

PART THE SECOND.

CONTAINING,

THE NAVIGATION OF THE ANCIENTS,

FROM THE GULFH OF BLANA, IN THE RED SEA, TO THE ISLAND OF CEYLOR.

WITH DISSERTATIONS.

By WILLIAM VINCENT, D.D.

Price il reica, robbit più irregio HEPRHADIE, mont il rep sel rister idenimaticat gale.

Marcianus Heraclicota, spud Hupsonum, p. 62.

LONDON

PRINTED FOR T. CADELL AND W. DAVIES, IN THE STRAND.

PERIPUS

ERTTHER WEEK

THE WILLIAM G.

THE NAVIOR OF THE SURBERY

Which was been part of the Work to dedicate the former part of the Work to Your Mepatry, I numeroused hirlestrope that the remainder would be brought to a conclusion, "Bar"the footiequestes of Your Majefty's from the feature of the been leftire, and beautiful. In policition of the highlings, I crumest naturally to those purblellings, I crumest naturally to those purblellings, I crumest naturally to those purblellings.

face which more enabled one to felf! my engreenent as the Public Tarpidled therefore, as I amy with a destil of the most devoced agra-

oftenes treatment from me to folicies, best

THEKING.

wages that if it had the start of the

there is a blood has been truesed with judgemine, SIR,

WHEN I was honoured with permission to dedicate the former part of this Work to Your Majesty, I entertained little hope that the remainder would be brought to a conclu-But the confequences of Your Majesty's condescension in my favour have been leisure, tranquillity, and health. In possession of these bleffings, I returned naturally to those purfuits WEST SOUTH STATES

fuits which have enabled me to fulfil my engagement to the Public. Impressed therefore, as I am, with a sense of the most devoted gratitude, nothing remains for me to solicit, but the continuance of the same protection to the completion, as I experienced at the commencement of the Work. And if it shall appear that the plan has been formed with judgment, and executed with sidelity, no farther qualification will be necessary to recommend it to the consideration and patronage of Your Majesty.

I have the honour to fubscribe myself

YOUR MAJESTY's

or sport door on

the torne cided awards be fought property of country

Most obedient,

that who free most faithful relief to with and

humble Servant, and Subject,

JUNE, 1805.

WILLIAM VINCENT.

thirty wise little and the state of the stat

dangement to the Patrice Trimile one of the Performent

PREFACE.

SHE STORY OF THE CONTRACT LOS IN SECOND WAY FROM THE

Wherher the following Work will afford a degree of fatisfaction proportionate to the labour of compiling it, is a question not for the Author, but for others to decide. By fome it may be thought digressive, tedious, and minute; while others may conceive that there are various fources of information still unexplored, which it was my duty to investigate. To the first I reply, that I thought nothing superfluous which could contribute to the elucidation of the fubject proposed; and in answer to the latter I may observe, that there must be fome limits affigned to collection and refearch. It is the office of judgment to felect only fuch materials as will bear upon the point to be discussed; and for the exercise of this judgment, I now stand amenable to the tribunal SERVICE MALES THE

tribunal of the Public. Friendly animadversions upon the errors which may occur, I shall consider, not as a cause of offence, but as the means of correction; and of remarks proceeding from a contrary spirit, I have hitherto had little reason to complain. But if the Work which I now submit to the inspection of the Public, should not obtain the same savourable reception as I have experienced upon former occasions, it shall be my last offence. In the sixty-sixth year of my age, it is time to withdraw from all my pursuits of curiosity, and consine myself to the duties of my profession.

in the second of the second of

object and person to the company of the resident officer.

ADVER-

ADVERTISEMENT.

THE RESERVE AND PARTY OF THE PA

THE account of Marco Polo's Map, given (Part I. p. 1201.) from Ramulio, is not correct; for it has fince appeared, that the Map in the church of St. Michael di Murano, is not Marco Polo's, but drawn up by Fra Mauro, a geographer at Venice; and is the Map copied for Prince Henry of Portugal.

A Fac Simile of this Map has been taken, and is expected in England every day; when it arrives, a short account of it will be given, and delivered gratis to the purchasers of this work.

The Map of Marco Polo's Travels is in the Doge's Palace at Venice, and was framed from that of Fra Mauro. CONTENTS

I am to acknowledge my obligations to Mr. Dalrymple, in regard to the present publication, in the same manner as upon former occasions: I was, by his kindness, furnished with Surveys of the Harbours and Islands on the Coast of Malabar, which have been of great use.

And to Mr. A. Hamilton, of Edinburgh, editor of a Sanskreet Dictionary, I have been indebted for the Interpretation of Sanskreet Names on the same coast. This favour was the more acceptable, as I was known to that Gentleman only by my publications; and his offer of affistance was spontaneous.

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BOOK III.

I. Introduction.—II. Leuke Kome.—III. Petra, Kingdom of Iduméa, Nabathéans.—IV. Voyages diftinguishable in the Periplús.—V. The Compafe.—VI. Wealth of Arabia.—VII. Thamadeni and Canraites.
—VIII. Burnt Ifland, Moofa, Goaff of Yemen.—IX. Expedition of Edius Gallus.—X. Ştraits of Babel Mandeb, ancient Navigation of Sefoffris.—XI. Aden.—XII. Arrangement of the Coaff of Arabia on the Ocean —XIII. Kane.—XIV. Bay Suchalites, Hadramaut.—XV. Diefkerida, or Socatra.—XVI. Mofiba and Omana.—XVII. Iflands of Zenobius, or Curia Muria.—XVIII. Sarápis, or Mazeira.—XIX. Iflands of Kalaius, or Suadi.—XX. Iflands of Papias.—XXI. Sabo, Affabo, or Mocandon.—XXII. Terédon, Apslogus, or Oboleh.—XXIII. Oriental Commerce by the Gulph of Perfia.—XXIV. Gairo.—XXV. Grufades.—XXVI. Gereba.—XXVII. Minéaus.—XXVIII. Antiquity of Oriental Commerce.—XXVII. Minéaus.—XXVIII. Antiquity of Oriental Commerce.—XXIX. Conclusion.

I. THE commerce of the Ancients between Egypt and the coast of Africa, with all that concerns their discoveries to the South, has been traced in the preceding pages; and we now return H H

again to Egypt, in order to take a fresh departure, and prosecute our inquiries till we reach their final boundary on the East. The present Book will comprize all that concerns the commerce of Arabia, both in the interior, and on the coast.

The Periplus is still to form the basis of our investigation; but as the object proposed is to give a general account of the communication with the East, no apology is requisite for detaining the reader from the immediate contemplation of the work Itself. A variety of scattered materials, all centring at the same point, are to be collected, before a comprehensive view can be presented, or an accurate judgment formed; and if this task can be executed with the sidelity and attention which the nature of the subject requires, the general result will be presented to the detail of a single voyage, in the same proportion as a whole is superior to its parts.

The commencement, then, of this fecond Voyage is again from Berenike, and from this port there were two routes practiled in the age of the author; one, down the gulph to Mooza and Okelis direct, and the other, first up to Myos Hormus, and then across the gulph by the promentory Pharan, or Cape Mahomed, to Leuke Kome in Arabia. This latter route is the immediate object of our confideration.

LEUKE KOME

If Leuni Kome, or the White Village, I shall place nearly at the Mouth of the bay of Acaba, the Elanitick Gulph of the ancients '; and

A comparative table, containing the diffe- at Acrille and M. Goffellin, will be given heresest distribution of the ancient names, by M. after ; and I must mention once for all, that when

and my reasons for assuming this position will be given at large in their proper place. But to this village we are immediately directed by the fournal, after a paffage of two or three days from Myos Hormus; for here, we are informed, " was the point of commu-" nication with Petra the capital of the country, the refidence of " Malichas the king of the Nabateans. Leuke Kome Itself had the " rank of a mart in respect to the small vessels which obtained " " their cargoes in Arabia; for which reason there was a garrison " placed in it under the command of a centurion, both for the " purpose of protection, and in order to collect a duty of twenty-" five in the hundred " [upon the exports and imports].

We obtain, in these few words, a variety of particulars highly important to the subject of our confideration; for we find a native king under the controll of the Romans, a duty levied upon the trade of the natives, and the nature of the communication between the port and the capital. And if we now reflect that the intercourse with the capital was rather fixed here, at the mouth of the Elanitick gulph, than either at Elana Infelf, or at Ezion Geber, we shall difcover the same principle as operated on the Egyptian coast, where the communication was fixed at Myos Hormus rather than Arfinoc, or at Berenike in preference to Myos Hormus.

when I make als of M. Goffellin's References to him the old complaint, make fit illis qui without mentioning his name, it is not to de- unte ass nofire decrunt. prive him of the honour of his discoveries, but becaute it must occur to frequently that the experition would be affentive. I had traced Egypt received cuffor upon fpices, and other this could many years before the publication of commodities, at Judda, in the fame manner des Anciens, 2 todos, Paris 1798 q and though Lenke Komb. Commentar, de A. d'Albabe precedes me in publication, I will not apply queryer, p. st. c. 7.

* Berndelm : Birrally, fittel out.

In Albuquerque's time, the folder of M. Goilellin's Recherches for is Geographic as the Romans had formerly received them at

In the age of the Periplus, as this course was the less frequented of the two, so is it apparent that the commune itself was of less importance; the vellels employed are Arabian, and the duty seems collected on them only: possibly the ships, which touched here after crossing from Myos Hormus, had paid the customs in that port, and made this harbour chiefly for the purpose of accommodation, or of ascertaining their route down the coast of Arabia.

Very different is the idea that I conceive of this trade while the communication with Egypt was in the hands of the Arabians them-felves, previous to the appearance of Piolemy's fleets upon the Red Sea, and their immediate communication with Sabea; for the caravana, in all ages, from Minea' in the interior of Arabia, and from Gerrha on the gulph of Perfia, from Hadramaut on the ocean, and fome even from Salea or Yemen, appear to have pointed to Petra, as a common centre; and from Petra the trade feems to have been again branched out in every direction to Egypt, Paleitine, and Syria, through Arimoe, Gaza, Tyre, Jerufalem, Damafeur, and a variety of subordinate routes that all terminated on the Mediaterranean.

It is not confonant to the defign of this work to enter into any commerce anteredent to hiftory; but from analogy, from the magnificence recorded of Nineve and Babylon, from the rains of Thebes flill remaining, there is every reason to suppose that the wealth and power of these great cities arose from a participation in this commerce; and that the Arabians were the carriers common to them all,

^{*} The position of the Minm is dubious: from Mecca, tom, it p 116.; Strake places Bochart supposes them to be in the raining of Carons of the Mindaus next to the Sabdana, Hadramant; Goldelin places them two days p. 768.

This is a fact which will admit of proof as foon as hiftory commences; but we may paule a moment to observe, that though the Chaldeans and Affyrians might have been navigators themselves, as the gulph of Perfia opened a communication for them with the Indian Ocean, and their works at Babylon and Teredon intimate fome attention to the advantages of a naval power; still the Indians , Perfians, and Egyptians, feem to have been reftrained by prejudices, either political or religious, from diffant navigation; and though Perfia and Egypt manifestly resped the profits of an Oriental commerce which palled through these countries to others more diffant, either on the north or on the west, still the common centre was Arabia : the Arabians had no obstructions either from manners, laws, habits, or religion; and as there is every proof that is requifite, to flew that the Tyrians and Sidonians were the first merchants who introduced the produce of India to all the nations which encircled the Mediterranean, Io is there the ftrongest evidence to prove, that the Tyrians' obtained all these commodities from Arabia.

The religion of India fortish the actives to pair the Attock: it is the forbidite river. And if they relig on was the fame formerly as it is now, they could not go to fee, for even thate who avergate the rivers small always can me land.—The Partison, if their religion was that of Zerdoller, could not go to fee, for the Gusters, who hold the foods hips in the world at Bonday, must never assigned them. The Egyptisms and not only other the feathers who had all those likewise that offeld the Golfellis Recherches, tom. is, p. 98. Died life, i. p. 78. See also Marco Polo, Illi illicato. Ed. Ramadin; quello che bee vino

I The religion of India forbids the actives non fi rineve per tellimonio, ne quello che pafa the Attock : it is the forbiding river, mayign per source.

Lindchaim in Purchas, rol. iii. p. 1765. writes, "the Aberline [Abyfindam] and Arabiam, facility are free, do ferre to all India. for faylors or featuring men."

• Plie III. vi. et il. Araben in univerlien gentre distillant, ut apad quas maccione open Romanorum l'arbotomique inhidiant, vendenmina qua a tran ma tylen expirate, mha inviena realimentation.

See Hersthetta, who first the name of Communic is from the Phenociana.

PETRA. KINGDOM OF IDUMÉA. NABATHÉANS.

III. But if Arabia was the centre of this commerce, Petra* was the point to which all the Arabians tended from the three fides of their vaft peninfula*: here, upon opening the oldest history in the world, we find the Ishmaelites, from Gilead, conducting a caravan of camels loaded with the spices of India, the balfam and myrrh of Hadramaut; and in the regular course of their traffic, proceeding to Egypt of for a market. The date of this transaction is more than seventeen centuries prior to the Christian era; and, notwithstanding its antiquity, it has all the genuine features of a caravan crossing the Defert at the present hour.

It is this confideration, above all others, which makes the Petra we have arrived at with the Periplûs, an object the most worthy of our curiosity; for Petra is the capital of Edom or Seir, the Iduméa or Arabia Petréa of the Greeks, the Nabatéa, considered both by geographers, historians, and poets, as the source of all the precious commodities of the east. And as Iduméa is derived from Edom, or

Agatharchides Hudi. p. 57. Thirps and site Thatarchies. . . . de le Teffaire and Manda, soil maire le marche (garre ras decime Apares, com a Adamsto, de kopes, and ra topris en apart delle desende, derè rei garre le sin aurenten. And Pliny, lib. et. c. 28-1: has convenit bivious corum qui so Gerra remant. And again: in Pantigris ripa, Fermith, in qued a Petra convenint.

The fea could of Arabia is more than

fpices of India, and the gums and adours of

Arabia, are mentioned by name; and it is not affirming too much to suppose, that the spices here mentioned are from ladia also; the term used is MRDD. Necoth, which signifies my thing benifed or brayed in a morrar, as spices are resinced in order to also them with one fined "TS, Time, is a guar or halfarm; and Db, Lou, is the same, evidently marking the produce of Arabia. See Parkhard, in some See also Gen. xxx. 13.1 and Cumberland's Origin of Nations, p. 210.

" Genetis-axanic of.

Efau the fon of Isase, so is Nabatea deduced from Nebaioth the fon of Ithmael; and Efau married Bashemath ", the fifter of Nebaioth. Little respect as has been paid to the genealogies" of the scripture by fome writers of the present day, it is still to be considered that the Bible may be tried by the rule of history as well as inspiration, and that the traditions of the Arabians are in harmony with the writings of Mofes; for they as univertally acknowledge " Joktan, the fourth from Shem, as the origin of those tribes which occupied Sabea and Hadramaut, that is, Yemen and the incense country; and Ishmael the son of Abraham, as the father of the families that fettled in Hejaz, which is Arabia Deferta; as they do Edom for the anceftor of the Idumeans, who occupied Arabia Petrea. These form the three" general divitions of this vaft country and nation, as extraordinary for the prefervation of its manners, as its liberty; and which is continuing at this day to fulfil one of those prophecies which affure us of the truth of that Hittory in which thefe families are recorded.

The name of this capital, in all the various languages in which it eccurs, implies a rock ", and as such it is described in the Scriptures, in Straho, and Al Edriffi; but it is a rock supplied with an abundant

below the naturation. See Reithe Ind. Geog. in Altitician.

Den ZXXII. 3.

[&]quot; See Gibbon, vol. v. p. 179. note 21.

[&]quot;Ges, a. 26, 27, the fon of Jostan. Hazermavrile is equivalent to Hadremanth, or Hadramaut.

⁴⁾ The Arabians divide their country into five, taking in Omno and the callers fide, under the name of Aronda or Jemanos, and making a didnost part of the Tehamson country

^{*} Thomas gives a same to the Thomydem of the Greeks in this neighbourhood, and is infliciently asknowledged by the Oriental writers. The fprings of Thomas might give rife to a riser, which Plicy measures, lib. vic. 18, and which d'Auville carries into the Lake Afphains.

fpring of water, flyled Thomad" by the Nubian, which gives it a diffinction from all the rocks in its vicinity, and conflitutes it a fortrefs of importance in the Defert. Strabo did not visit it himfelf, but describes it from the account of his friend Athenodorus the philolopher. Athenodorus looke with great admiration of the people, their civilized manners and quiet difpolition. The government was regal; but it was the custom for the fovereign to name a minister", who had the title of the king's brother, in whole hands the whole of the power" feemed chiefly to refule : fuch a minister (or vizir, as we should now call him) was Sylleus in the reign of O'bodas and Aretas, who makes to confpicuous a figure in the history of Josephus, and who was tried and executed at Rome, according to Strabo, for his treachery to Elius Gallus,

"7 The names are.

Release | Numbers, xxxi. B. Johns, xitt. 21-Bochart, Canana, lib. i c. 44

Rakim Rakom.

Relime

Inplitte.

Arke. Josephna.

School from you, a rock. Heb.

Hagar, a mak. Asabes Harbeltz in voce, 777, Har. Heb.

Arak, Karak, Krak de Montreal, Crutadere. Petra a Rock Greek

The Rock, pre eminently, Jerem xits, 16. See Blancy in loco.

But for Schulters (Tades Geog. ad vitam Saladio), where he informs us that Fingar and Arak are not Petra, though in the neigh-

bourhood. Petra, he faye, is Ermitym, the form to the Rebens or Rakin of Juliphus. See Voe. Ciracola Errakimum, Stanfech. Hall. The millake of one far the other he imputes to Becaurd. Theiam seus de Acquille. Terre Sancte, xxii 2 3 It in in lat. 31 A Relicine ; tour Gracis vocatur Petra. Jo- 30 o Abilifeda Which, if true, makes it no. more than \$7 miles from Alia, which he places in 29° 8' o' ; but Schultens frye, Petra in in as go a from Ahilfeda; if fo, it is only is Romm mice from Ada Carak is mentioned as well as Hagir, by Abilieds, Reithe p 43, where the Molleme were defrated in their first combine with the Romans.

In the route from Goes to harak there are fill the rains of thirty willings, and remains of holdings, pillars, &c limitating the former, wealth of the country. Valuey Syrias party.

" Imagenia, as Biotrally a crear as it can be

* Josephus Amiq. eru p. 734.

Mofes

Moles was forbidden to moleft the fons of Edom in his pafflage through the wilderness; but that there was then a considerable commerce in the country we have reason to conclude, from the conquest of Midian", in its neighbourhood, by Gideon", not many years after; when gold is deferibed as abundant among the Midianites, and their wealth in camela a proof of the traffic by which they inblifted. In the reign of David, Hadad " the prince of Edom was driven out, and Hebrew garrifons were placed in Elath and Exion Geber, where Prideaux Supposes that David commenced the trade of Ophir ", which was afterwards carried to its height by Solomon.

And here, parliags, it will be expected that the trade to Ophir should be examined, which has so much divided the opinions of mankind, from the time of Jerom to the prefent moment; but as I have nothing decilive to offer upon the question, I shall only state my reasons for acceding to the opinion of Prideaux and Gossellin, who confine it to Sabca.

For I neither carry Ophir to Peru with Arlas Montanus, or to Malacca with Josephus, or to Ceylon with Bochart, because I confider all their suppositions as founded upon no better evidence than the finding of gold in these countries; but our choice must lie be-

Elannick Griphy called Madies by the Arabi, and Jethra, Scoots Al Dielle p. tog-

[&]quot; Judges, till 24, the people are called Identicates Children for his execute demanded the earlings of the men, and the chairs on the ounces' necker the derend a believe the value of the named

a proof of the come have between the two law, y. See Pridema's Convellence p. s.

to Militar in the country of Jethre, up the countries a und his marriage with Pharach's daughter proves his reak and ellimations to Kinga, Mr. 19. He attempted to recover Edmin the later a 2 of Sulumin's reign.

Their had realized up three thousand talents of the golllof Ophin r Chrone xxxx. 4. ; had this dise not prove the vayage, for the guld of Ophin was a common capacities. See " Hedad fied man Wayne for protection, John xxiii 24 xxvii 16. Pilling, See, &c.

d'Anville, have determined in favour of Africa, principally, I think, because gold has always been an export from that country, while the precious metals were usually carried to Sabéa, to purchase the commodities of the east. I allow great weight to this argument; and I admit the probability of d'Anville's supposition, that the Ophir of Arabia might naturally produce an Ophir on the scall of Africa, which should, by an easy etymology, pass into Sophir, Sophar, Sopharah el Zange, or Sophala: but I by no means subscribe to the system of Bruce, which he has displayed with so much learning and ingenuity; and which he thinks established by the discovery of an anomalous mousoon prevailing from Sosals to Melinda. A sensible "writer has denied the existence of any such irregularity, and appeals to Halley", Parkinson, and Forrest; and if the irregular monsoon is annihilated, nothing remains in favour of his hypothesis but the

** In the Gentlemm's Magazine, 1755,

" Bulley's mecount is to be found in the Philatophical Transactions, 1696, p. 155; la. which he fays, that in the fouth well monloon the winds are generally more fontherly on the African ilde, and more waiterly on the Indian-So far he is directly adverse to Brace's fythems. has be adds, that near the African coult, between is said the Hind of Madagafear, and thence to the northward to for so the line, front April to Oldober there is found a confrant feeff S . W. wind, which, as you go more optiberty, becomes stal more wellerly What winds blow in shele few laring the other half your, from October to April, is not cafy to learn, because pavingstan, always return. from Ludia without Medagafear . the only ar-

count obtained, was, that the minds are much eightely bereakents, and as often to the morth of the true odd, as to the feathward of it.

The last fenterest is all that Bruer has to build his anomalous mentions on a and it does not praye as amoundous mentions, but a finetiation in the regular one.

"The well winds begin the field of April " at Recenters; the eaflers manuface the 13th " of Orinher, continue till April, then his " weather till blay. Reithes have they more " then two manufaces pouly; well monition " blows at accolars all fauths east monition. " all north. After the 25th of September " flips cannot depart from the Red See call, " ward." Purches, sal. ii. 1939. Keeling's Voyege.

duration. The voyage. The duration it should seem easy to account for, upon a different principle; for the navigators were Phenicians, and we learn from Homer. Their method of conducting business in a foreign port. They had no factors to whom they could consign a cargo in the gross, or who could furnish them, on the emergence, with a lading in return; but they anchored in a harbour, where they were their own brokers, and disposed of their cargoes by retail. This might detain them for a twelvemonth, as it did in the instance to which I allude; and if the Phenicians traded on the Eastern Ocean, as they did in the Mediterranean, we may from this cause assign any duration to the voyage which the history requires.

But my reasons for adhering to the opinions of Prideaux and Goffellin are, first, that Ophir is mentioned "with Havilah and Jobab, all three sons of Joktan; and all of them, as well as Joktan, have their residence in Arabia Felix, most probably beyond the Straits; and secondly, because the voyage to Ophir seems in consequence of the visit of the queen of Sheba to Jerusalem; it is immediately subjoined "to it in the same chapter; and Sheba is Sabêa", or Arabia Felix, as we learn with certainty from Ezekiel". It is particularly

⁴⁸ Pliny, on a much faster different, that is, from Azamia to Ceda or Okcilis, analos the voyage five years. Lib. ali. 19.

[&]quot; Odylley, n 454

[&]quot; Grieffs, x 29-

^{* 1} Kings, 2. 10, 17: See Goffellin Rechereites, tono ii, p. 1211, and Voltey, Syrm, p. 170-

Column Indisciple this Supposes the queen of Shelps to be the queen of the Momeritor; that is, in his age, the Hamesters were mal-

ters of Sahda. He gives a very cational secount of the trade of their Homerites, or Sahdans rather, with Africa, for the fpices which the queen of Sheha brought; their intercourie with the Red Sea, Peria and India, and Zangima or Zanguchar; with the guld obanimed there by the Abyllinians, and brought into Arabia, as it is to this day. See CoSmar is Malch Therenor, will is p. 7.

[&]quot; Ezek, axell, 22. "The merchants of " Sheba and Raumah, they were the mer-

added, that the royal visitant brought a prefent of spices; " there were no fuch fpices as the queen" of Sheba gave to Solomon."

I do not wish to conceal an objection to this supposition; which is, though they are taxed, that spices are never mentioned as an article of importation from Ophir. The produce of the voyage is gold, filver, ivory, almug-trees", apes, peacocks, and precious flones. But as on. the one hand this failure in the invoice will argue much more foreibly against any of the more distant Ophirs which have been assumed; to on the other, it is no proof against Sabea, that feveral of these articles are not native; for thefe, and many more than are enumerated, would certainly be found in Sabêa, if the Arabians wete navigators in that age, as we have every reason to suppose they were.

The evidence that Solomon obtained gold from Arabia is exprefs; and as our early authorities notice gold as a native produce among the Deba " of Hejaz, to may we conclude that the gold of Africa always found its way into Yemen through Abyffiniz, as it does at this day. The import of gold, therefore, we carry up as high as the reign of Solomon, and bring is down to the time of Ptolemy Philadelphus, king of Egypt; for we learn, from the tefflimony of Ezekiel and Arifteas", that spices, precious flones,

[&]quot; chants : they occupied in the fales [marts] " with chief of all fpices, and with all preof cions florer and guid." In this puffage the introduction of gold from Arabis is special, and the three articles are the fame as they continued to be in the reign of Pinlemy Phi-Indelphus See Aratica

st z Chrun, iz. 9. from Goffiellin.

Alming and Algors are both read in Scriptures and Sizes, p. 4.5. often the opinim of Hiller, in his Hisrophyticon, that

^{12 12 12 2000} Agri Gamming by high 2 runs nutran num Birt in tropping the would die not appear to he brought for its gues, but for use, and martial balancests war unde of it, s Kings, a siz., as librar olderes, who fuppoles it to be express, till efect to the Ita-Him for that purpole. See a Chemicia, 21

to Deb is find to figury good; in Synthetic All the kings of Ambin brought gold and Macr to Sa mma. 2 Chron. Jr. 140

⁴⁸ Hair or winds one were appeared that have edirette.

and gold, were brought by the Arabians" into Judea. I do not with to lay more fliefs upon this testimony than it will bear; but it is not unreatonable to suppose, that the circumstances of this commerce were fimilar, in an early age, to those of a later period. The removal of these difficulties will show the inducement which pertuades me to join in opinion with Prideaux and Golfellin, upon a question that has been more embarraffed by hypothesis, and diftracted by erudition, than any other which concerns the commerce of the ancients.

The participation of Hiram in this concern is founded upon necessity as well as policy; for if Solomon was master of Iduméa, the Tyrians were cut off from Arabia, unless they united with the pell flors; and whatever profit Solomon might derive from the import, the whole of the export on the Mediterranean would be to the exclusive emplument of Tyre. Here the Greeks found the commodities of the call, or received them in their own ports from the hands of the Phenicians; for they were not allowed to enter the harbours of Egypt till the reign of Pfammetichus; and the very

the part of the tenth of the part of the p Wells, Dann, roger If Arithme in not good enthante for the Septungun perform, his hall. many may be taken for the transcalous of the are to secon by lived. I imagine this to be the fatter energetter as is unfield by Strabo (Bb, set p. 181); share we bear that the Tyrinia tradid though Rumooning to Perry and Leake Lame Theres (and to pe 3/9) Improves the Tyrum or be realized of Rhish. colors y which to wholedge in from to draw from Prideaux (Com part ii p 6. & part i. B. 7.) : has if it depends on the paringe of

Mad

Simbo, it does not follow that the Perison were malter of the place, however their trade patted through it. But Rhenocolusa, by its lituation on the limits of Phenicis and Egypta was certainly adapted in a poculiar summer for keeping open the communication Pridents's account of tomics and this wade (part is p. 17.) is highly marries and comprehendent but we have so dide of the fact exceeded by Straho.

the April pethaps through the countoy of the Arabiams. Agriculandodes to allo an evidence on favour of the exportation of mile from Arabit; was mickener by Hede are Engine grammingster, p. 64-

names.

names of the articles they obtained were derived from the Pheni-

The possession of Idumea by the kings of Judah continued little more than an hundred years, to the reign of Jehoram, when the Idumeans revolted ", and were not again subdued till after an interval of eighty years, in the reign of Uzziah ". Seventy years after this, the Syrians " seized upon Elath; and here terminates the trade of Ophir, in regard to Israel; and probably in regard to Tyre, with the capture of that city, about an hundred and fixty years later, by Nebuchadnezzar.

Whether Nebuchadnezzar over-ran Iduméa, is a quellion that history" has not resolved; or whether he belieged Tyre with any view of opening a communication with the Mediterranean, is equally unknown; but that he had some plan of commerce on the gulph of Persia in contemplation, we may judge from a curious fragment of Abydenus", which informs us, that he raised a mound or wall to confine

"The cinemum is fifth more extraordinary;
"for where is grown, or what amounty proincende, they remot fay; only the report
is, that birds bring the little calls of the
"bark which we, from the Phenicians, only
"cinemum." Herodomo tappoles in indeed,
to come from the country where Discriptus,
or Bacchun, was burn, that is, indice, though
there is a fable that he was born in Sables
but its progress is clearly marked through

Arabia to Tyre, and thence into Greece with its Tyrim name.

22 2 Kings, vill #2.

* E Kings, xiv. 21.

" It is highly probable, from the woe of Edom in the 49th chapter of Jereminh,

There from allo to be another canal mentioned by the name of Akerkanus, and a basis above the city of the Sipparerium, and that there were all immed with a commercial view, confine the waters at the mouth of the Tigris "; that he built the city of Teredon, to stop the incursions of the Araba; and opened the Naharmatca in Babylonia, which unites the Tigris with the Euphrates. These transactions may lead us to suppose that this conqueror would turn his attention to Idumes, and the gulph of Arabia, as well as to the Persian Gulph and Tyre; and if he did, the conquest would have been easy, either when he was in Judea, or during his march into Egypt.

From this time till the death of Alexander we have no account of Iduméa; but foon after that event, we meet with two expeditions of Antigonus directed against Petra; one under Athenéus ", and another by his son Demétrius. Both had an unfortunate termination; but the country was still harassed by the rival sovereigns of Syria and Fgypt, experiencing the same sate as Judéa, from its similar situation between both, sometimes subjected, and sometimes free; till there exose a dynasty at Petra, parallel to the Maccabees at Jerusalem; and, like them, partly independent and partly under the instrucce of the more powerful monarchies on either side.

we may imige by what Arrian fays of Teredon; "that it was, when Nearchan arrived
at there, the main to which the merchants
at brought their Illianon, and other admirtrees drags, from Arabia." Arrian, Illi will,
p 352. Applient. In Manage or an inference we it to make the main or a line for
Superpose at the may be fuggeded equivalent
to Grann; and the whole is resigned with the
treffic which now exists between Genne and
Bafra; so constant in the nature of this comsector, from the time of Nebochadnessur to
the prefent hour. Have we not therefore a
night to assume it in ages entered at to the

Estylanian minurchy? The continuouse of it in after-times we learn from Nearthus, Straho, &c. 1 and when Papier was here, in the Papier was here, in the Papier was here, in the Papier which exerted in his mind the remembrance of Alexander, and a deflect of involving India, it for help on here to fire already in page — Xiphillieus in Tenjano.

"It is called the immediation of the Erribrean Son, and a in resulty at Alphadeun, in the mouth of the Shut of Arrib 1 in which, oughtourhood mounds of this fact are fill per ferred. See Voyage of Nearthin, p. 430-

** Dindorns, lib. zir. p. 391.

I give the following catalogue of Sovereigns, as well as I have been able to collect it from Josephus, without vouching for the correctness of the extract, or supposing the list to be complete; but such as it is, it will elucidate the commerce which has been proved to exist in this country, and bring the history of it down to the period when the Romans obtained an influence in the government, and the command of the coast; in which stare it was found by the Author of the Periplus:

Yem Islan	The two expeditions of Antigonus into Idamés, 26
striil.	nearly as we can flate them, were undertaken in
309.	the years before our era, 300 and 308.
308.	Malchus"-is the first king of Idumes at Petra, men-
	tioned by Josephus (Antiq. p. 569. Hudson's ed.,
	and the 1 Maccabees, xi. 39.): he is flyled Simal-
The same	ene; and had protected Antiochus VI. reftored to
144	the throne of Syria, in 144, by Diodotus, called
	Tryphon.
200	A'retas-affifted the city of Gaza belieged by Alexander
- 126.	Sebina, about the year 126. (Josephus Antiq. 595.)
	10.

* Mak, Melek, Mallk (Arabet), are all from \$1500, a king (Habet). In regard to Arabet, fee Josephus, his six cap a 4-20d lib a cap a Bell Jud, where he must through a compact of African in regard to Hyroganizand Aritholithm. See also the Districted Hill, and vill \$1 at. Pling, di 20. Strabet, District and \$10 at \$10 at \$20. Trajon in Arabbis, District, 727. And Sevens. District Trajons, 948.

Theophanes, p. 124: mentions an Arrthaganno 492-550, 558; P. 207:

Perhaps every one of these princes wan flyted Malches, or Malichus, or Ring, but Durin is a peoper times, though Dura is fail to liquify King, Emperor, or Rayal. Si Malches is home corruption or other of Manning. Arests is the arreck form of El Harmfold, as Autiputer is of Assessed El Harmfold and El Harmfold. Abulleds. Rallie, p. 43:

Obodus

Christ.

123.

630

Obodas "-is either the same as A'retas, or his succellor within the year: he defeated Alexander about the year 125. (Josephus Antiq. 596)

Aretas II .- is the king to whom Hyrcanus, of the fa-

mily of the Maccabees, high priest and king of Judea, sled, when driven out by Aristobúlus. A'retas restored him with an army of 50,000 men, about the time that Pompey came to Damascus in the Mithridatic war, in the year 63. In this reign commenced the connection of the Maccabees with Antipas, or Antiparer, the Iduméan, and the father of Herod, which terminated in the destruction of the whole family. (Josephus Antiq. 608, 609.) Pompey took Petra (Dio, Latin copy, p. 23.); and from that Period the kings of Iduméa were, like the other kings in alliance with Rome, dependant, obliged to furnish auxiliaries on demand, and not allowed to assume the sovereignty without per-

471

Malchus II.—must have commenced his reign before the year 47; because in that year Cefar was at Alexandria, and Malchus is mentioned by Hirrius as one of the allied kings to whom Cefar sent for succours. (De Bello Alexandrino, p. 1. Hudson,

Aretas I have not been able to fill up.

miffion of the fenate, and afterwards of the emperors. The interval between Obodss and this

^{*} O'bodie is written Obeldie by Stribo, fame name in Abadah, familiar to every our and O'bedne by others. It fectors to be the its on Avalian name.

Years before Christ

39

Periplus, p. 11.) This Malehus was in Judea when the Parthians took Jerufalem, and reftored Antigonus; at which time Herod fled to Petra. (Josephus Antiq. 6414) The Parthians were defeated by Ventidius in the year 39 (Dion Callius, Lat. p. 235.); and Malchus was ftill king in 30 (Josephus Antiq. 648, 677.); and he is tyled Malichus by Josephus. (Bel. Jud. 990.)

24.

Obodas II.—must have commenced his reign before the year 24; because in that year Elius Gallus invaded Arabia, attended by Sylleus, minister of Obodas and Sylleus, was tried at Rome and executed for his treachery, according to Strabo (p. 783.); but Josephus says, on account of charges brought against him by Herod, whose cause was pleaded by Nicolaus of Damascus. This trial did not take place till the reign of the successor of Obodas. (Josephus 728, et seq.)

121

A'retas III.—feized the throne on the death of Obodas, allout the year 12, without applying to Rome for the confent of the emperor (Jof. Antiq. 736.); and by that act incurred the displeasure of Augustus, which however he appeared. The trial of Sylleus took place in this reign, who was accused of polfoning Obodas, and attempting the life of Aretas, among the other charges brought against him. This A'retas, or another of the same name, was on the

throne

⁴⁷ He was fined by Ventidius. Die, fib. alvist agg. List. ed.

Chill.

throne as late as the year 36 after Christ, which is the last year of Tiberius; for Vitellius, proconsul of Syria, was preparing to march into Idumea, but was stopped by that event. (Jos. Ansiq. 728, 736, 755.) It is in this reign we may place the visit of Strabo's friend, Athenodorus, to Petra, who found it, as described above, in a civilized and flourishing state.

A'retas IV.—whether another, or the fame as the laft, is dubious.

Much disappointment have I felt in not being able to discover any successor to A'retas, in Josephus or Dion Cassius; because I have great reason to believe, that in his immediate successor, or in the following reign, we should have found another Malchus, or Malichus, the same who is mentioned by the Periplus as the sovereign of Petréa, when the author frequented the port of Leuke Komè. We learn, however, from this brief account, the commencement of the Roman influence over this government under Pompey, and the continuance of it till the death of Tiberius; and it will hence appear very evident, how a Roman garrison was introduced into Leuke Komè, and the revenues of the port diverted from the possession of the native kings into the Roman treasury. The immediate date of that transaction I cannot fix; for Elius Gallus appears to have had little knowledge of Leuke Komè till he was conducted " thither by Syllèus; and, as he returned from

another

But he fluid there all the linter part of fo that he might well leave a garrifon there the former, and the winter, Strab avil p. 781. at his departure.

another port, he had not the opportunity of leaving a garrifon at this harbour before he embarked. This makes it highly probable that the introduction of this garrifon was in the reign of Claudius, who evidently collected a revenue from the coast of Arabia, as we learn from the circumflances related by Plécamus, and might well commence his fystem from the head of the gulph.

It may be here observed, that the princes of this dynasty at Petra are almost universally called kings of the Nahardans by the historians; and the prevalence of this tribe of Nebaloth over the Idumeans is placed by Prideaux ", with his ufual accuracy, during the Babylonish captivity, agreeing admirably with the existence of their fovereignty in the reign of Antigonus, and countenanced by Strabo ", who mentions the expulsion of the Idunéans. If this, therefore, be the origin of the dynasty, its termination is in the reign of Trajan, when Petréa was reduced into the form of a Roman province" by Palma", his lieutenant". Still, under the

* ** Strabo, Ib. xvi p. 700:

21 Under the name of Painting Terting there is a coin of Adrima's,

** See Kindilling Ed Bont p 353, m 7 = jano, who mentions likewitt, p. 35", that Palma was afterwards put to death by Adrian.

12 It is evident that the Roman power was never very firm in this province, at leak under the latter empire; for Johnnan was obliged to fulidue it after a confiderable lupie of independence; and Procepus, Crdrents, and Chrophorn, combantly make an Alexthas, richer at Petra es la Idames, who was confidered as an Arab Inversign in the Roman Intervil, in appointing to an Al Monday under the protection of Perus. The leat of this Ai Monday was at Hira, on the Bahr Nedjell, a

Pesdemir, Can, vol. I. p. o ; vol. II. p. 155; lake near the hupbrates [fee d' An eille's Man of the Euplir, and Togris | and their Arabina powers from afamily to have been let in motion by the Rumana and Purname, whomever a our was about to committee between the two empires. See Theophanes by a Hill prago Univert. Hitt. p. 272, tol. ed which toys, Averas is Al Harath. Obsides, Abd Wast. Theophanes expectily mentions the defeat of in A rethan, and the sufferation of the tribute. or cuffum, on ladia goods some cy. Arethalit. that is, the year 488 See also the irmr 456. pe note where an A extinct the fluid appointed by the Romann, complision of the Perlianficik Ahar, ton of Al Mondary mother Arethan, was with Belifarus in Hauria. Procop. Hift. Arean p. 1

latter empire, we meet with an Aretas in Procopius; and pollibly, according to the fluctuating power of the empire, it was at times fubject, and again independent, according to the change of circumstances, till it was finally reduced by Mahomed in person. This is a fact to fingular that, as I thall make it the termination of my inquiries, the reader will pardon a digreffion that is foreign to the fubject. For Mahomed marched against this country with an army of thirty thousand men, of which one-third was cavalry : he took Hagir", the capital of the Tichamudites"; and John, the prefect of Aila", fulmitted to pay a tribute of three hundred pieces of gold". Now if Hagir be not the Hagar of the Hebrews, the Petra of the Greeks, it is at least a hill fort in the same country, and maintained the same rank as the feat of government. Ails is the Elath of the scriptures, still at that period under the power of Constantinople (if we may judge from the name of John the governor), for late as the reign of Heraclius. This expedition is the more remarkable, as it is the first successful attempt of the Mahomedans beyond the limits of the Hejaz ", and the prelude to the conquest of Syria

34 Sec mite 17

"I The Thangeleni of the Greeks.

* Abifiela Reifie, p. 5a.

" See Gilibon, vol. s. p. ray. The lopesthe vices, cruelty, hypocrify, and imposture. Abilifeds, he subdued Hagir and Alla only i

of Mahamet, or in amplifying his courage, his chaquence, and abilities as a flatelinas or a general; but at the land time, notwithfluid log this defect (which is undical), and notwithitaniling the detellable comparitons which be monmores, the extent of his releasely, the ule, teleption, and atrangement of his matecials, form one of the smit Leiliant (pecimens of his valence as an hillorism. In regard to this last transaction of Malaumet, I apprehend flittion of a higher never went to greater excels. Gibbon is smithaken i he fays, the propher rein defence of his faith, thus the fanaticalis of covered the chibmillion of the tribes from the philotophy has carried Gilibon, in loftening. Emphritis to the Red Sea; but according to

[&]quot;I Treccurps nummos aureus. If it is the Roman anicus, the value varied, according to Aronthoot, from the 42, 11d to 16; 11d. which admits a medium of twenty millings Alla was no longer the port of the trade of Ophir.

by the immediate fucceffor of the prophet. This expedition, therefore, it was, which opened the way to all their fucceeding victories over the declining power of the Romans in the east.

This account of Arabia Petron, from the time of the Patriarchs to the rife of the Mahomedan power, is effentially connected with the object of the prefent work; because the whole commerce of the east originally passed through this province to Phenicia, Tyre, and Egypt: for the Mineans, who were the conductors of the caravans from Sabes to Hadramaut, and the Gerrheaus from the gulph of Perlia, both pointed to this centre; and notwithflanding that the caravans decreated in proportion to the advance of navigation, still Petra was a capital of confideration in the age of the Periplus: there was fill a proportion of the trade paffed from Leuke Kome to this city, and its princes maintained a rank fimilar to that of Herod in Judea. In all the subsequent fluctuations of power, fome commercial transactions" are discoverable in this province; and if Egypt should ever be under a civilized government again, Petrea would be no longer a defert.

Whether the Iduméans had been navigators previous to the time of Solomon and Hiram; and whether those princes occupied the ports of Idumes in order to turn this navigation to their own advantage, or were the first to venture on it themselves, must be a matter of conjecture; but that the Arabians of this province, or more probably of those farther to the fouth, were the first navigators whom history mentions, upon the Indian Ocean, is evident: first,

and if the tribute was no more than 500 annithe conquest was of importance only as it has saidle stream. Cedremon, 420. opened the road to Syria. See Ahilfeds, Reifice, Lipine, 1754, p. 51.

^{**} friger rights on the print mater of Themes Gaza, the key or the defers of Sinn, a country svry rich.

from Nearchus , who found the traces of it on the coast of Gadrofia; and, secondly, from Agatharchides, who distinctly mentions the great ships in the ports of Sabea which traded to India; and if the works of Eratosthenes were extant, we should learn how the Greeks obtained their knowledge to the east of Cape Comorin, before any sleets had failed from Egypt beyond the Straits of Bab-elmandeb.

But whatever previous fources of information we might trace, it is from the Periplus itself that we can discover no less than fix different courses of the ancients in these seas, all prior to the age of the author, or practised by different navigators at the time he wrote.

IV. VOYAGES DISTINGUISHABLE IN THE PERIPLUS.

I. The first is the voyage, described in the two previous books, down the coast of Africa to Rhaptum; shewing that the Arabians had settlements in that country, before it was visited by the Greeks from Egypt.

Mr. For found Arabick names of places, a pilot to direct bin, and reflets of the country, at Apollani, in the gulph of Peria. See Voyage of Neurobus, p. 151.

Marcine or Herbeler informs in; that Marcine in Equindlement took the whole work of Tournelliness, perfect and all, wit wood, and in the flylet him be very laine woods, this work me is opinion p. 153. Marchael I have already ventioned to give, that is pilot, who Euroilhents was more of a geometrician than an obliner is a group update. Marcine, indeed, uses not Gooden Cherfpank very highly of Timoshhama, and yet, phers, as apply this account, is thould from that Euroille in Arithole, henry's knowledge of the Thims was from philosopher.

Timofiberes, who had commanded the first of Profemy Philadelphus on the Indias Ocean, and had gone farther down the could of Astrona than any other Greek of his age. See Marcona in Huston, p. 64: he calls from Agent for the Marcona in Huston, p. 64: he calls from Agent for the Marcona in Huston, p. 64: he calls from Agent for the Phiny, Hardonia, p. 131. Marcha mentions also will there is an obscure knowledge of the Thing, and the Gooden Cherfonese, prior to all these geographers, as appears from the Treatist de Mando in Aristosle, if that he a genuine work of the philosopher.

II. Secondly.

II." Secondly, we are informed of the two diffinct courfes within the Gulph: one from Myos Hormus, acrofs the head of the gulph to Leuke Kome, and thence down the Arabian coast to Mooza; and another, from Berenike to the same port direct.

III. Next to this, we collect a voyage from the mouth of the Straits along the fouthern coast of Arabia into the gulph of Perlia, extending afterwards to Bahrein, El Katif, and Obolch, in the Shatel-Arab.

IV. Then follows a paffage from the Straits to India by three different routes: the first, by adhering to the coasts of Arabia, Karmania, Gadrolia, and Scindi, to the gulph of Cambay; the second, from Cape Fartaque, or from Ras-el-had, on the Arabian fide; and the third, from Cape Gardefan, on the African fide, both across the ocean by the monstoon to Muziris, on the coast of Malabar.

V." After this, we must allow of a fimilar voyage performed by the Indians to Arabia, or, by the Arabians to India, previous to the performance of it by the Greeks; because the Greeks, as late as the reign of Philometer, met this commerce in Sabéa.

VI. " And laftly, we obtain an incidental knowledge of a voyage which confirms all that has been advanced concerning the early commerce of the Arabians, previous, in all appearance, to every account we receive from the Greeks, and conducted, certainly, by the monfoon, long before Hippalus introduced the knowledge of that wind to the Roman world.

^{**} Peripins, pp. 13, 14.

ee Periplus, pp. 20, 21, 22, 32, 33

[&]quot; Agutharchides apad Hudfon, pp. 64:

[&]quot; Peripida, pp. 8, 9.

It is the voyage between the opposite coufts of India and Africa, connected certainly with the commerce of Arabia, but flill capable of heing confidered in the abstract, and proving, in my opinion at lead, the possible existence of this intercourse in ages anteredent to all that history can reach. If it could be believed that the natives of India had been navigators in any age, we might more readily admit their claim in this inflance than in any other; for the author mentions, that the imports into Africa are the production of the a imerior, from Barugaza and Ariake; that is, from the coast of Cambay and Concan : and the artisles specified confirm the truth of his affertion; for they are, rice", ghee, oil of fefamum, cetton, mailling, fasties, and fugar: these commodities, he adds, are brought formetimes in veffels deflined expressly for the coast of Africa; at other times, they are only a part of the cargo out of velfels which are proceeding to another port. Thus we have manifellly two methods of conducting this commerce, perfectly diffind : one, to Africa direct; and another, by touching on this coaff, with a final dellination to Arabia. This is precifely the fame trade as the Portuguefe found at Melinda and Quiloa, and the fame connection with Arabia; and this is the reason that the Greeks found cinnamon, and the produce of India, on this coall, when they first youtured to pais the Straits", in order to feek a cheaper market than

And Periphic, p. 9.

Since When.

Congre Butter, f. c. Cher.

Name Services, Oil of Sefamore

Office Control Clothe, Maille.

Sor flading Bedr. Sec.

Park of the Safety August

Selective by the selection and The character of Selective by the selection and The character of Selective which is fill a proof that Hardeline know from object was to be obtained by the attempt. The adds to

Sabéa. Still it must be doubted, whether this commerce was conducted by natives of India, or Arabians; for Arabians there were on the coast of Malabar, and in such numbers at Ceylon, that Pliny represents them as masters of the coast, like the Europeans

(lib. ii. p. 100.), that Selalira adsenced into the Ersthefun Stu till hit was stopped by dusals a proof to soc, that he entered the Bay Availtes, and went on further But Din-" dorns (lib. L. p. fig.) carries him by les to India, and by hand, to the callers could of Chines to fittle weathle does it call an hiftoman to convey his here to the world a cod, when he is not emharmified with orcumitances. If any flate could be affixed to the reign of Befollers, if his conquests could be reconciled with the hiftory of the nations he is faid to have conquered. I thought think it highly you hable that he know of an Indian commerce in Archie, or Africa, and withed to jurrate of is a mid even as the fact flauds, in appears as if Hereiloran was fully juffified in repporing, that fome attempts and been made by the Egyptimas to enter the Erythman Sex But the Egyptimus from to have attributed all their wanders to Schillers, as the Oze he did theirs to Piercales, and it is as difficult to reconcile the date of his reign to realist, as the classnotingy of the Egyptime to forigure. The truly learned and mail excellent translator of Herodorus professes his belief in tempture, and depresented all empolitions against the fresp. verse which may be drawn from his chromlogy; it is a pentell of importance, because his first date makes the establishment of Egypt raight grown, and the leading of Manaphia Bagg years prior to the coestion, according to the Moraical account; and it is out without a jeste of the control than that we read the fullnwing world " Il ed down and are

of any nature liferation a citch fidely interprets to despretative ligarations, & qu'il a's aross par to plus ligare implements due four seche."

Chronol Haroll possess off edit. But M. Larcher will not now be averie to fee these prichs convicted of an interpret, which is, an interval of near cleven thousand years between the hailding of the Temple of Pilia by Moure, and the adding a propyleme to fe hy Moure, and the adding a propyleme to fe abfurdity which would firste the minut of an Laglidania, if he were told that the dome of St. Paul's was built by Adam, and the portion added by Q. Anne.

Since the time that their shierentians were made, we have another edition of Herodotes by the Time excellent is inflatin, who, in this 76th were of his age, repents his belief in the feriptions, and recall every thing in his works that may feet of a continuer tenience to the himory they contain. I injurie in the addition of each a name to the catalogue of halicure; I admire the Ferifiede that inflying the pro-leftion, and I trult that the example will be efficiency in recalling others to the truth.

Pliny, like at a rr. Regi, cultum there patch, exercis, Arabam a that is, she king retained the native worthip of the ladien Backhan shows the Gharra a white to offenbranes on the coalt were Arabama, or had embraced the imperiation of the Arabama.

The Perrogatic made a Chritisia king of Candy; but the Dutch and English have been left evalues for their faith than the Archivary either when Idolators or Mahamerana. of the present day, who have confined the native fovereigns to the country above the Ghauts, and have possessed themselves of the level towards the sea; such also was their situation, though under the name of Moors, or Mahometans, when the modern Europeans met with them again upon their arrival at Calicut, where their influence over the native government long counteracted all the power of the Portuguese.

These are the reasons which induce a supposition, that the whole of this intercourse, on both sides, was in the hands of the Arabians ; but it must be lest to the determination of those who have been resident in India, how far the superstition of Braminism desicends to the Parias, the lower casts, or these who have lost all cast, so as to permit or forbid their venturing on the ocean. That there was an ulterior commerce? beyond Ceylon, is indubitable; for at Ceylon the trade from Malacca and the Golden Chersonese met the merchants from Arabia, Persia, and Egypt. This might possibly have been in the hands of the Malays, or even the Chinese?, who seem to have been navigators in all ages as universally as the Arabians, and both might profit by the prejudices which seem to have excluded the Hindoos from a participation in these advantages.

There appears no method of tracing this commerce through the darkness of the middle ages, but by the few feattered intimations to be collected from Cotmas, William of Tyre, Sanuto Renaudot's Arabian Voyagers, and Marco Polo; but their general testimony is

²º I find this connection of Arabims with India topported by Pococke, Sie Wm. Jones, and Sie Wm. Oufeley. See Ebu. Haukul, p. 291.

Play, when he mentions the eminally from Ceylon.

of Justin Polo, lib. iii. e. r. speaks much of Justin thips, but they feem to be Glings.

See Bergerum Traite fur la Navigation.

in favour of the preceding suppositions, and which, as I have no fystem to maintain, I should abandon as readily as I have adopted, if ever the weight of evidence should preponderate against them, In the time of Marco Polo, the Arabians had not only encreased on the coast of India, but made considerable progress in extending the doctrines of the Coran; he mentions the trade from China " which met the trade from the Red Sea, no longer in Ceylon, but on the coaft of Malabar; and though he remarks that the Chinese veffels fometimes penetrated farther, even to Madagafear, yet the central mart is manifeffly in Malabar, and apparently at Calicut, where the Portuguese found it upon their first arrival. Here, he lays, the thips from Aden obtained their lading from the Eafl, and carried it into the Red Sea for Alexandria, from whence it passed into Europe by means of the Venetians,

THE COMPASS.

V. How these voyages were performed in the seas of India or China, without the compals, is a circumstance to extraordinary, that many writers have rather affigued that infirument to the Chinefe, than supposed it possible that such voyages should be performed." without it. Highly extraordinary it certainly is, that the Chinese, who now never go beyond the limit of Japan on the east, Malacea on the west, or Java on the fouth, should have falled to Madagascar in the thirteenth century; their knowledge must in that age have

one of Remadel's Arabe, the century, the paramal, the trade centred there. M. Polo age of Remadel's Arabe, the century are at was in India in the 15th century, 300 years. Coulam in Transscore. After the studiins later than Ceramperanual, mean of the kingdom of Califor by Cerams.

been proportioned to their adventures; and I would not with to contest the point with those " who would furnish them with means or inftruments to qualify them for the undertaking; but Ramulio " is clearly of opinion, that Marco Polo did not bring this infframent from China; and that he did not know it himself, because he never mentions it. This negative evidence in regard to China, becomes politive, according to Nicole di Conti, in regard to India; for he failed aboard a native veifel on the Indian feas, about the year 1420 "; and he fays expressly they had no compass, but failed by the flars of the fouthern pole, the elevation of which they had the art of measuring; and that they had also a method of keeping their reckoning by day or night, with their diffance from place to place; that is, as we should speak in modern terms, they had a quarterflaff or aftrolabe, and log, but no compals.

The date of this voyage, fixty or eighty years previous to the diffeovery of Gama, makes it highly interesting; and the information is unique, for Nicolo failed on board an Indian " thip; and that the navigators made ofe of the fouth polar flars, is a most extraordinary agreement with the account of Ptolemy; who fays, they pavigated

Enropeans: his reasons for this may be here to arpages with which he has formilled me (i) ppendin. No. Til 1 and loss of hangly person mitteil me to publish with his mime;

³⁴ See Dichiaratione topre 34. Folo, Remulie, sold in p. 17

²⁵ He was ablahed by Pop Engelin IV. in 1444 of spollary, after having beau-in-India 25 years i forthat the date of his soyaer. in this inflance, may be from 1420 to 1450;

²⁴ Il savigami della fadis fi governanti calle. fielle del polo antartico . . . 4 non morgano

²⁴ Lind Magaziner in fully consisted that and Burnerico, mark regions formula the twothe Chicele compals is not derived how the same leaders field a site, or buffer of qualita . form em certe he thiller che adoptrate, et fimilmants, millerano Il partinino che finno di giorno et di esste, & le differenza che mile int. tongo all'altro, es cont/fampre samo in che longs & editors a first in their Ramann, WA K TO 314

If fluidences refers to the precising classes it means that they kept their reckening, out. tor too log, but by the flare, which is, in that unit, a knowledge of firming their longende as weel us their lannade by aftronomy.

she Indian Ocean in his age by means of the flar Canobus, which they called the Horie. I should have been glad to find the mariners on board this thip had been Arabians; but the description of the veiled is characteristically like those which M. Polo sailed in on the Chinese seas, separated into compartments, which the respective merchants on board hired each for himfelf and his property; and which were diffically caulked, to as to prevent a leak in one part affecting any other: fuch velfels are still in use on those seas, but are more properly Chinese or Mulay, than Indian.

The testimony of N. di Conti is direct against the use of the compais in the thips of ladis, but flill it is not conclusive against the Chinese; for Vertoman, or Barthema, in his passage from Borneo to Java, in a ciampan, or finall Chinese vetiel, expressly mentions, that the pilot " had a compals. And this tellimony is of greater importance, because the date of his voyage from Borneo must be in 1503 or 1504, as he returned to Calicut in 1506, when Almoyda was viceroy. Now 1504 is feven years previous to the arrival of the Portuguese at Malacea : so that the Chinese could not have had it from the Portugueie; and if the fhips of India had it not, they could not have received it through that medium of contmunication. There is fomething very flrong, likewife, against their receiving it from the Arabs, whom they might have met at Callient in the fifteenth century; because, if the Arabs then used it, it was in the form they derived it from Europe, and divided into thirty-

hut if to the whoie, it does not quite provewhether Burthems and murked the difference

- The Portoguele resched Malaces in

se Medicator navis pyxidem, ungnetempte, ser non pagmam marmam, complusions linera diffinctum, que senturum ratimem immuntt, between 32 and 45 points. fecum, mee maire annierst. Grynums in Burthoma, illa vie c. 27. Rimothe, vol. is p. 168. 1512. Daleymple, p. 5. Collections. More autiro (1 think) refers to the fee card;

two points; whereas the Chinese compass is divided into forty-eight, which seems almost conclusive that theirs was an original instrument, and not derived from Europe.

WEALTH OF ARABIA.

VI. AFTER the recital of these circumstances, it is still to be confidered, that in the whole of what has been faid, it is intended to speak only in general terms : it is not meant to affert, that no ships went to India from Egypt before the reign of Ptolemy Philometor, or that no Greeks, in a later age, passed beyond Ceylon to Bengal, or the Golden Cherfonele; but that the ordinary course of Oriental commerce was conducted in the way that has been flated, there is every reason to believe, and every evidence that is extant to prove. The value of this commerce, in the hands of the Arabians, is equally evident; their wealth was proverbial, and the particulars of it are detailed by Agatharchides. But there is fill one point in which the Arabians are effentially diffinguithed from all the furrounding nations, which, through their means, partook in the commerce of the eaft; which is, that however offentations their acighbours might be, the riches of the Arabians were all applied to their private luxury and indulgence. In Perfia, and Chaldes, thate vaft public works and edifices profe, which affouithed the travellers of the ancient world; and in Egypt, the roins of the Thebaid are an equal cause of amazement at the present hour. In a fecondary rank, Tyre, Jerufalem, Baalbeck, and Palmyra, furprize us with their magnificence; while in Arabia, history speaks only

of one public work, which was the Tank " at Mariaba; and when the head of that once failed, there never was fufficient industry or

public spirit in the country to reffere it.

No adequate cause is affiguable for this national diffinction, but that spirit of independence which broke the body of the people into parts too minute for a combination of interests, and too diffuse for ca-operation. This spirit was never counteracted but for a thort time by entimizating and no feener was that exhaulted by evaporation, than they returned again to the flate in which they are doferibed by the ancients. They are flift a nation of merchants." and maranders, incapable of subjection, not less from their temper and habits than from the nature of their country; rarely formidable in a body, from their mutual jealouty and diffruit ; indifferent foldiers, but dangerous partizans.

No other reason is discoverable, why a nation that at one time pollisfied almost exclusively the commerce of the East, never arrived at a character of dignity and respect; and no other cause can I trace, why Idamea became to easy a conquest to the Hebrews, Tyriana, Babylonians, and Romans. It is the influence over their government, and the possession of their harbours on the Red Sea by the Romans, which is new to be invelligated; and if the command of the commerce obtained by this power continued with little interruption till the time of Juffinian, and was not annihilated till the

in the time of Alexander ; others lay, after Child Chile Will and ed. off p. and

[&]quot; This Tank is pisced at Marshay has Plicy informs us, that Married Correct a capital's full we have in Route, Maraba, the fame or Sahing to their the Track will mark Salta der Retter is Attitudient, me. Jemonis-The Tank fided, according to fonce authors, equally true in all ages

Strabo and Diodocus are in connect with Pliny, who lejo, lib vi p. 340 Para copin la compresso et larocania degre a fact

irruption of the Mahomedans, it is a duration of this commerce in one channel, longer than has fallen to the lot of any other people in whose hands it has been placed.

LEUKE KOME

Our inquiry commences with Leuke Kome, or the White Village"; and the character of White is attributed to leveral towns or villages on this coast. Ptolemy has an Arge Kome below Yambo; Haur is another place, about three hundred miles from the head of the gulph; and a third, Haur or Havarra is discoverable in the Itinerary, but forty-five miles from the same point. All these terms imply whiteness; but d'Anville assumes the second for the Leuke Kome of the Periplus. In this he is justly supposed by M. Gossellin to be mistaken; because this second Haur, at more than three hundred and fifty miles from Petra, could not afford a ready communication with that capital, neither could it be within the limits of Petrea, but must then have belonged to Hejaz; which, that it did not, we shall have sufficient proof in the expedition of Elius Gallus.

M. Goffellin fixes upon Moilah; to which he is, perhaps, more particularly directed, by finding a name of notoriety in a fituation that is probable: but on this coaft, as he has very properly observed himself, there is no certainty to be obtained; the ancients have left us few marks of diffinction, because they avoided the coaft, which was itself dangerous, and more dangerous still from the difposition of its inhabitants; while the few notices which they have

^{*} Almail every place inhabited by Asublane, is rather a village than a town or city.

left, are obliterated by the retreat of the fea, and the increasing advance of the shore. This arises from a cause which operates on the whole eastern side of the gulph; and in the lower part of it there are the remains of places twenty miles inland, which were formerly marts or harbours.

This must be accepted as a reason why so little satisfaction can be given in regard to individual positions. The general character of the coast, and the division of the provinces, will be distinct; but identical locality is by no means to be expected. This will be apparent in the immediate object of our inquiry, for the White Village itself is obscured by difficulties not casy to be surmounted.

CALL CONTRACTOR CONTRA			\$2014
The Haur of d'Anville" is in			2 0
ser a statist of d'Anville, in -	Land Control		30 0
on as not of Collellin in his A	Jap of Prolemy	27	50 0
THE MINIMA OF SOME	Latin text -	22"	40 0
Arga Kome of Prolemy, by the	Greek text -	23"	30' 0"
But that there is still another Flat	iara, Avara, or	Havá	rra", W

The Hanr of d'Amille is afcertained by Al Edrin to be lower than the iffend Naman, p. 109; a proof that it cannot be the Hanares of the Lineary.

twice infleed of once; if fo, it is only as miles from Hada to Hazarra, and 38 from Hadarra to Petra. The later diffunce must, in that case, afforedly be erroreout; and the former too, unless the fee of Acaba be as thore as it is represented in the appearant maps, instead of running up to the morth fo for us or does in the maps of d'Anville, Gossellin,

and De la Rochetta. Still, whatever be the errors, it is entime to fee both their tentes detailed at the extremity of the empire, in the reign of Theodathus; and the houter the difference are, the more incompatible they are with the Halir of d'Anville. (See d'Anville's Egypt, p. 129. with his opinion of the Itimeraries.) There is a findler diminution of difference from Phars, or Ras Mahomet, to Halls, which the Itimerary makes only 16 miles; and both deliciencies, if they are fuch, mail be impated to the improved fhoremers of the fea of Acaba, i. e. the Elanitick Gulph.

are certain from the Itinerary; and Stephanus" informs us, that it was founded by A'retas fon of O'bodas, and called Aúara (which fignifies white in Arabick and Syriack), from fome vision of a man in white. Pliny adds, that Arra" is in the country of the Thimanei, the adjoining tribe to the Nabateans, and that here is the centre of commerce. Upon these authorities I had wished to have placed this Havarra on the coast, and to have assumed it for the site of the White Village; more especially as the Itinerary of the Peutingerian Tables points to the entrance of the Elanitick Gulph, and has one route of fixty-one miles from Aila to Havarra, and another of thirty-eight", from Havarra through Zadagasta " to Petra.

34 See Stephanus Byz. in spec.

Arra oppidant in quo omnis negotiatio convenir. Plin. vi. c. 18. The Thimanei are the Bythimanees, or Barmizontanees, or Agatharchides, and upon the cost.

"I am not certain that I read the diffusees

	Miles	
From Clyfmu to Medeia -	- 40	
to Finna -	- 80	
to Haila -	- 50	
to Ad Dianum to Posidium to Hazarra -	- 21	
to Zadagesta	- 0.1	
te Petre .	- 18	
THE RESERVED AND ADDRESS OF THE PARTY NAMED IN COLUMN TWO	- A.F. 15	

of the gulph, or Sure, the opening of the

compalles gives precifely 200 Roman miles from Sucz to Ras Mahomed, by d'Anville's map; 180 m. En. by De la Rochette's; 215 by Capt. Cook's Chart. When we find therefore only 130 miles in the Linerary, we must suppose that a diffance is omitted between Arfinoz and Clyfma, far both are noticed; but there is on number between the two, and Clyima is placed on the ruflers lide of the gulph, not on the western, in in d'Anville. But if the numbers we have, express the feate of the nuthor, then we must add a third at least; and, by the same proportism, a third from Phara or Ras Mahomed to Hails, making that sendy by B. miles a allitance that agrees mather section d Anville or De in Rochette, for both make it pear 110. I have always happealed this diftance much too large; and if Irwin's Chart might be depended on, my judgment mult he right. , Irwin is the only truveller I have met with who lim entered the Elancick Gulph ; but though he speaks in the head, he does not quite my mut be law it.

** The Zamattin of Prolemy:

But in opposition to this we have the express testimony of Prolemy*, that Avarra is inland, and more northerly than Aila. This reduces me to the necessity of concluding, that this Haur, or Havarra, cannot be the White Village of the Periplus; so that neither the Haur of d'Anville, the Arge Kome of Ptolemy, or this Havarra of the Itiae-rary, will answer our purpose. But there are some circumstances in Agatherchides, which will lead up to a situation where such a port seems to be pointed out, in preference to any other on the coast.

VIL THAMUDENI AND CANRAITES.

This author, at the entrance of the Elanitick Gulph, has three illands; one, facred to Ifis; and the two others called Sookabúa and Salydo. These illands, after having been lost for twenty centuries, have been restored to geography by M. Irwin. He is the only voyager, as far as I can discover, who has ever entered this bay; and if his chart may be depended upon, he went up it sive-and-twenty miles: in consequence of this he saw these islands, and has named them Tirán, Sanasir, and Barkan. I have never seen "them in any chart, previous to his, arranged in the same order; but they bear such testimony to the fidelity of Agatharchides, that he deserves credit when he adds, that "they" cover several harbours

44 CIII

** See Tab. Affir, iv. and lib. c. (5.

Elana - 25° 15° 0

Avara - 12° 40° 0

Still there is a confusion; for the Greek text tays.

But, after all, Avers is south of Eline.

** The names are in Niebultr, but the position is erroneous. One island is full called Johns by De la Rochene.

at the Landon Keine appear never motor for the leading of the spiritual of

" on the Arabian shore" [as the Zassateen Illands protect the port of Myos Hormus]; and one of these harbours, I conclude, mast be the Leuke Kome of the Periplus; for he adds, " to these illands " Ineceeds the rocky coast of the Thamudeni, where, for more than " a thousand fladii, there is no harbour, no road where a veffel can " anchor, no bay to afford protection, no ferap of a projecting " point, to which the mariner can fly for refuge in a moment of 44 diffrets."

However the colouring of this picture may be heightened, the general description is true, as may be seen by a reference to M. Irwin's Journal, from the 22d of June to the 9th of July; where we have every day iffets, breakers, shouls, fands, and funken rocks, with the mention of only one cove where the thore could be approached. The refuge his Arabian boat found, was generally under iffets; but a navigator, who did not dare approach the shore, might well paint it in the fame colours as Agatharchides has done. Irwin carries Moilah fifty miles more to the north than it appears in other charts ", and within the Elanitick Gulph: if this be true, my conclusion is perfectly in correspondence with that of M. Gosfellin; and if, by taking different methods, we both arrive at the fame conclusion, it must be a strong confirmation that the point we have both fixed on is right; for a fafe anchorage at Moilah, covered by the illands, and the unapproachable nature of the coast below, fix Moilah to a certainty for the Leuke Kome of the ancients.

eyespen, I silves mistages, I good brazions, he the form, the industries at the commenceантрайн ханабууй, эй нападарын адарын. Agatharch, and Hudion, p. 59-

though good is the foot of a wall, or rather loofs flores thrown into the fest to break the waves and protect the maloury of a pier, bri-

wares; if you lets . . If have sooners is make it was does not occur in the Letinous; it may ment of a projection. Unless the author simed at a meraphor, by taking good in its feath of X-An inverse is a dublimin expression; for a boot, and to intended to mean the improfitu of a boof; but in this fende the metaphor is

12 P. 143. oft. ed. vol. L.

VIII. BURNT ISLAND, MOOSA, COAST OF YEMEN.

FROM Leuke Kome to the mouth of the Straits, a course of more than a thousand miles, we have only two places mentioned-the Burnt Island, and Moofa: a proof, as it should feem, that this track was little frequented; and yet the author, by speaking in the first person, seems to have performed the voyage himself. The dangers he describes at large, much in the same manner as we have already reported them from Agatharchides; and the tribes, he fays, which inhabit this tract, are numerous; fome speaking a language perfectly diffinct, and others a different dialect of the fame. Those on the coast live in huts or cabins, like the lethyophagi; and those who are inland, are a treacherous" race, living in hordes or villages, and speak two different tongues. If a veifel is driven to this shore, she is plundered; or if shipwrecked, the crew is reduced to llavery. The general name of these tribes is Cantaites; and they are treated as enemies, and feized for flaves, by the other regular governments of Arabia. But it is not only the disposition of the natives which makes the navigation dangerous; for the coast infelf is without harbours or roads, full of rocks, shoals, and breakers, and dangers of every fort; for which reason, in going down the gulph, we fland off from thore, and keep our course down the middle of the gulph, very defirous" of reaching [the

Pl warpely delignated delignation.

Mecco and Same. Philipp. p. 143

Might, will be the Appendix young make II AP-Supposed by Buchier to be Cantimited- ORYNOMEN, aga to setucomplex Neto. Chillen, a province and recountrin between I had very much doubted of the confliction of this pallage, when I cited it in the soyage at The word is employer. The features of Newcline; but I am now perfuscial, that nands there have brokenes, sien who can't by confidence Appliant paper as the williand

more civilized part of Arabia, which commences about the parallel of Burnt Island, and continues down the whole coast to Moofa. In this tract the inhabitants are under a regular government, leading a paftoral life, and raifing vaft herds of oxen, camels, and other flock. Moofa is an established mart of great trade, in a bay near the termination of the gulph, at the diffance of twelve thousand fladia, or twelve hundred " miles from Berenike; and the whole [of this part] of Arabia abounds in merchants and mariners, both mafters of veffels and common failors, and is commercial in the highest degree. The commodities of the country are rich and numerous; but befides thefe, there is a great traffic [in India articles] from Barugaza, or Cambay, Inland from Moofa, at three days diffance, lies Save or Saue, which is the feat of Cholebus, the king of the diffrict called Maphartis; and nine days farther inland is Aphar or Saphar, the refidence of Charibael, paramount both of the Sabeans and Homerites. This is the fovereign to whom the Roman emperors address their embassies. and whose friendship they conciliate by presents of various forts, and confiderable value.

We have here a general division of Arabia corresponding to the modern distinction of Hejaz and Yemen, as nearly as can be expected after an interval of eighteen centuries. The northern part, occupied by Bedoweens, robbers, and maranders, living under tents

part of Arabia, that is, Venues or Sabia, the whole difficulty is removed; and the sitage of ApiCos in the fame fende analyse lines lower, judicies the interpretation; for, of all the ApiCos temperated in John of article should, does not refer to the sabole of Arabia, but to the sabole of Sabia, as it is evident by the context.

"This is very accurate, reckening the puffage across the gulph, first to Leuke Kome, and then down the gulph to Moofa.

⁶³ Hudden readers this pullage as importing prefents made by Charibsel to the Roman emperors; but in a following pallage the prefents from the Romana are specifically mentioned, without any notice of a return.

in hordes almost without towns, villages, or settled habitation of any fort; while the fouthern part is in a civilized flate, highly cultivated, polithed, and commercial, and under a regular form of government, fuch as Niebuhr found at Sana within these thirty

The limit of Hejaz, or Arabia Deferta, is fixed by d'Anville in hat, 17" 12 o" ", which gives it an extent of coast of near feven hundred and fifty miles, while there remain but little more than three hundred within the firaits allignable to Yemen, or Arabia Felix. The northern part of the first division is that which answers more particularly to the dangerous coast described by the ancient authors, and explored by Irwin, terminating at Haffan Ifle, in lat. 25"; to which succeeds Yambo, the port of Yathrib or Medina, and Gidda or Judda, the port of Mecca, the Maco-rabba or Great Makka of Ptolemy. This appellation proves that it was a place of confequence in that early age; and history shews that there is hardly a place which deferves the name of city, except Mecca and Medina, in all that space which geographers allot to Arabia Deferta, across the vall peninfula, from the Red Sea to the Perfian Gulph and the Euphrates. The numerous tribes which inhabit this defert are the Saraceni of the ancients, to called from Saharra " or Sarra, a defert, and corresponding exactly with the modern term of Bedoweens. In what fenfe this country is a defert, was unknown to the ancients, and is almost equally unknown to us; but that it is not arid, so as to preclude the produce of the earth, is evident from the fwarms which their tribes furnished in the early period of the Mahomedan

as 19 of of Michigher 18 of of De in Ros p. 5. Arabifie Baduwing felebant nempe untrices ex al Bedijals (i. e. campania) Mecchette. Bedigh is Campania. " Bedijah-Campunia, Reifke in Abilfellam, eum ire.

conquests, and from the consideration that every Arab is a horieman. Little as will fuffice to support an Arab and his horse, both must be supported wif little corn is fowed or confumed, still those who live on the product of their herd must find pasture for their oxen, theep, camels, and horses; and though many expatriate for this purpose in the featon, the majority ftill remains at home, both winter and furnities. Neither can their predatory life fupply all their wants; for a whole nation must have a national support. Robbers as they are, they do not rob every one; the caravans ftill diffribute all the merchandize which comes annually to the ports of Yambo and Iidda, through this very country; and in the commerce which the ancients deferibe, there was a regular intercourse between Sabéa and Petra. from the South, and between the gulph of Perfix and Petra, from the East. This trade has fluctuated in different ages, from external cantes t it is at this moment, perhaps, at a lower obb than ever, from the commercial superiority of the Europeaus in the Eastern Ocean, and from a diminution in the spirit of pilgrimage. But Meeen and Medina are fill to be confidered as marts rather than fanctuaries; and the commodities brought by the English from India, and by the Turks from Sucz, flill centre at Jidda ", as an emporism of confiderable importance.

It is the Turkith trade from Sucz which the Romans occupied by being mafters of Berenike, Myos Hormus, Para, and Lanke Kome. It is the English trade from India, which the Greeks and Romans first found in the hands of the Sabcans, and afterwards affumed to

⁻ As the time Brace was there, nine flags which, are different over the whilst part of from India were in the harbone, one of which Arabia by more with a bone no transfer whilst was worth approach; and one Anah offered trull his life. Brace, vol. i. 278. to purchase the nine cargoes. All these, he

themselves, as soon as they had seems on the Red Sea that neither feared the Nabathean pirates at the head of the gulph, or the Sabean merchants at the straits; and from the time they learned the nature of the monston from Hippalus; they made a voyage to India more advantageous, than the purchase of a cargo at Moota or Okelis.

IX. EXPEDITION OF ELIUS GALLUS,

The voyage from Suez or Arsinoè was first planned by Neco; it was afterwards meditated by Alexander, and it was executed by the Ptolemies previous to the establishment of Myos Hormus and Berenike. It was not unknown to the Romans when they reduced Egypt, though then in disuse; but Elius Gallus for our on his expedition from this port, and Strabo imputes his failure to this circumstance as a leading cause.

Strabo laments that this expedition added little to the geographical knowledge of Arabia; and we have reason to complain that Strabo, who lived in habits of intimacy with Gallus, has recorded to little of the information which might have been obtained from that commander. The confequence is, that d'Anville, who follows Pliny, carries the Roman arms to Mariaba, the March of the Arabians; and that M. Gossellin, by his interpretation of Strabo, supposen Mariaba, or Mariyaba, to be the Maco-raba." of Ptolomy, the Mocca of Mahomet. The distance between these two places is little short of nine degrees; so that the difference between the two estimates is 675 Roman miles.

[&]quot; Mocce la alanys written Maces by Reifice, in his vertion of Abilifeds.

If there were any data to determine this diffrute, no labour thould have deterred me from investigating it in the mound; but as Pliny fays, that the places which occurred in the expedition of Gallas are not found in authors previous to his time, the fame may be faid of fuldequent writers; for there is not one of them, ancient or modern, who will do more than afford matter for conjecture. This is the reason that compels me to give a fketch only of an expedition fo intimately connected with the commerce of the ancients in Arubia

The commission of Gallas from Augustus was to explore Ethiopia, the country of the Trogloderes, and Arabia. The first part was executed by Petronius, his lieutenant, and terminated by the Jubmillion of Candard, queen of Meroe. But Arabia, Gallus referved for himfelf; and the country of the Troplodytes he croffed when he landed at Myos Horman, on his return. This expedition commenced at Cleopatris ". in the neighbourhood of the modern Suez, where we find him at the head of an army confifting of ten thousand Romans, five hundred Jows, and a thousand Nabateans from Petra, with a fleet of eighty "" veffels of war, and an hundred and thirty transports. Syllens ", the minister of O'bodas king of Petra, was to conduct this force; but his interest was concerned in defeating the expodition, which he effected, and afterwards paid the forfeit for his treachery with his life. The first error into which he led Gallus, was the preparation of a first, which confumed " much time.

Clay deric is a military to a Column 1 but 1 See Surger, to 2001 perhaps Arence, Cleoplania, and Sura, lave. all fallowed the remark of the ign of this land. The kills fleet in the fame manner, and egypt of the guilphi

so Diremes, tricenes and phalely

We have the account of preparity a by which we learn, than the country affording no resternals for thip-building, the fewers ar-

time, and was of no fervice; for the army might have proceeded from Cleopatris to Petra, and theore to the head of the Elanisisk Gulph, through a friendly country, and in the ordinary track of the caravans ". But fifteen days were required to extricate the flect from the fea of Suez, and to reach the road of Leuke Kome; and here, when they arrived, many velfels had been loft, and the troops were so afflicted with a disorder in the mouth, and swelling in the legs, that the remainder of the year was loft, and the expedition delayed till the following spring.

Upon leaving Leuke Kome, Gullus advanced, first, through a defert "into the country of A retas, who was related to O hodas,

the near brought a role the defert from Cairn on camela. In this manner a fleet of 70 welfeld was confirmately, which, from the time is weighted from Sures, was too days before it reached Tor, and left it on the charactle. This accounts for the fifteen days amplifyed by Gallini in performing a pullage of little more than easy after. See Ramuflo, tone is p. 274. Vingelo per un Comno Venitimo.

We have the route of the pilgouns in Mrl Theyenet, Pococke, and Shaw, from Cairo to Marca; and recknoling from Agreema, which is near Sorre, this account in Theyenet.

finds that, tem i po 1507

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Magnity S.A.	ough .
(Jethno) Mallaly	to TA
The esternfor encounts from 9	120 rad
2 miles an hour	379.353
	83

This course measures, by the companies, is a right line on the la andwere's map, early sky miles, which, with the all waters for read-different with, amounts to available and this at my miles a day, a moderate terrieb for a Roman army, requires an direct to that they proceeded father by (as then they would have done by land; the time hall therefore, was to the preparation of the fiert.

This is the foun defect which Mahamet patied in his worth from Minima in Marje and Asta, where, Abilliots fays, magnetic life per view to be when excluding ab with exciting page. Ed. Reither, 1754:

and feems to have been the fovereign of the Thamudites; but Sylleus had the fame influence here as in Petria; and though the country was not deflitate, or the prince unfriendly, thirty days were employed before the army reached the country of the Nomades or Bedoweens, called Ararche ", and fubject to Sabus. - This tract has a refemblance to the territory of Medina and Mecca; and the space of lifty days employed in pulling it, till they reached the city of the A'grani 15, Negrani, or Anagrani, which was taken by affault, is fome confirmation of the conjecture. The king had fled into the defert; but the country was not holfile; nor altogether incapable of fupplying the necessaries requisite for the army ".

From hence, after a march of fix days, they arrived on the bank of a river, where the natives were collected in a body, and opposed their paffage; a battle was the confequence, in which, with the loss of only two Romans, ten thouland Arabians were flain. Strabo describes them equally deficient in spirit, as they were ignorant of the art of war; and yet these very tribes were in a future age, under

No.

country of Medius and Meses I and Nairran must be, by comparing organishances in Al Edville on the borders of Yemen, musty on a parallel with Sadam Rab. Consult. p. 18.

[&]quot; Acres to is probably Samerene, as Aphie to Sophur ; and Sero it Schurra, Cle deferti

[&]quot; A genn in the lift mettion is written. Megennym the MoS grand on the fectors, sa-Signed: and Calculus wifers to real Applie. Sac Musle, pp 784, 78s. All their realings. prove the uncertainty of the ground we fland on, and my of their would juffify PAnallie in affinning Majoran (a place fully deferibed by Al Edirin, and well known to Naminde]. if the other circumstances of the expedition. will some. Najaran is a forteria dependent on Merce , it lies . days fouth of that yas. pital, and salt of the mountains which house the Telumn See Al Haleiff, pp. 48, 50, 34. All's processing converted the whole tills of This is perfectly confident, if Awarene is the Hamdan in one day.

Ali puffird through Mairran, and brought. a tribute from it, when he was returning from Yemen, whither he had been four to grand the Korut by Muliamit, and if Nagrena be Naissan (as to all appearance it is); it directle contradicts Coffelin's hypothetic, that Elica Oxilian reminated his expedition of Mount Apilfeda Reithe, p. 53. Abilfeda menricos the consection of the Lings of the Humanites, the people of Antile Felix; and wide, there

the influence of Mahomedan enthulialin, to libdue the world, from the Pillars of Hexales to the Index.

The loss of this bettle produced the forcender of Afes, a city in the neighbourhood; and, without learning what time was spent bere, or what difference intervened, the next place we find them as he Athrollas was taken without difficulty, ambgardioned, and a fupply of provisions was obtained, which coabled them to proceed to Marfysha. This city is described as the capital of the Rhaminites, and the fact of Bafar ", the fovereign of the equatry-liese terminated the expedition; for, after lying before the place fix days, Gallus was compelled, by want of water, to raile the fiege, and retrest to Anigema, where the battle had been fought", and which he did not reach till after a differential march of nine days.

From this time, the prefervation of his army was the more immediate object of the commander, than the hope of conquest; he had spent fix months in reaching Manyaha; he was now convinced of the perfidy of Syllous; he impated the whole failure to the direction of the march by the advice of that minister; and if the same delay should occur on the retreat, he saw that the destruction of the army was inevitable.

To prevent this, it is evident that the route was changed; and we are led to conjecture, that it was directed from the interior to the

- Patricks

Bill mentioned, and Surgrand or a Shapan in this place, correspond, either the militar or the centure of military for the basis was not fringly at September of the control of the place of the control o

By comming Proteins, the country of Elitary, or the Elitary, is the too much in the too that the Apparella that Galler you no further that Miles at

theft univer that though there is a county as intention of the editor to make degrees

coast. In this case, the army must have crossed the mountains and descended into the Tehama; and yet in a march of fixty days, we have nothing to guide our inquiries but the mention of four places, without dates, and with one distance only specified; these are, The Seven Wells, eleven days from Anagrana; Chaulla, Malotha, and Nera, Nera'', we are informed, was in the territory of Obodas, that is, in Petrea, and in all probability at some distance to the southward of Louke Kome.

At Neca the army embarked, and was eleven days in croffing the gulph to Myos Hormus. The route from this port to Koptus on the Nile has been stready described; and from Koptus, Gallus proceeded to Alexandria with the shartered remains of his forces. Of these, seven only had perished by the sword; but a very great proportion was rendered unserviceable by disease ", famine, and a variety of distresses which they had experienced in the centre of the campaign.

Thus ended an expedition, planned without policy and conducted without capacity. If it had faccorded, the Romans could not have effablished themselves in the country; and by its failure, it returned

Sere, to the mergio of Strato, it written Hyrise, and the green to Catalian war of the Mass on printed colline as we have antifling to different our dantes but we may conclude, that the place where to the name, could be continued that part to Myor Harrise was the pulses from that part to Myor Harrise was the confident of the continued bits continued the continued bits continued the continued the continued the continued the continued the continued the continued to the Egyptum more. Much difficulty flambs in

the may of salementions and, after all, it is not traite about who has Santho's elected flags as to be explored the same of the same of the latter of the latter had. A Not a latter than how the latter to be detected at A Not a latter to the latter had. A Not a latter to the latter had. A Not a latter to the latter had a series of the Arctions are just to death by Electron, the Arctions are just to death by Electron. On the above a specific to find a Chellian a same of the latter of the latter of the latter.

"I Die first, they did not metally mitted .

their full intercourse with India for almost a century. But if it were possible to give the reader fatisfaction on the extent of it, no apology would be requifite for the digression. This, from the scanfinels of materials, cannot be done; but as my conjectures differ both from d'Anville and M. Goffellin, I shall barely flate the grounds on which they are founded, and leave the determination to the judgment of the reader.

The first step towards fixing the termination of the expedition, would be to diffing with Mariyaba from all the cities with which it is confounded.

The Marlyaba of Strabo is in the country of the Rhamanitae, and under the government of Haffaras. It is not the March of Sabes; where the great Tank" is, for that he calls Meriaha of the Sabeans; and this fufficiently declares against d'Anville's fystem, which exercies Gallus into Sabea, and on which Golfeilin justiy observes, that if Gallus had belieged Mareb, he would not have been obliged to raife the fiege for want of water, the reason assigned by Strabo.

Prolemy has likewife a Maraba (written Baraba in the text) which he places in the country of the Mineans, and calls it a metropolis; and a Mariama, two degrees to the louth-eafl; but he has no Mariaba either in Sabea or the country of the Homerites. His Flifari, the Hafar of Strabo, are full farther fouth than the Mineaus, and upon the coaft.

Pliny has two Mariabas; one marked by the Tank, called Baramalchum", the Royal Sea or Lake; and another, in the country

" Morely is the sageral of a large pro- are fill correct. See Nich. v. H. p. 119. Ambie. where it Yemes called Dajor, between Projector in Bahr-u. alle, Bahr-u-mille, Bahrou maland Hulemmet, where the amount restitions him ; the Line of the King, or the Kings;

continuing the Tank, the quite of thele, he, the Royal Lake.

of the Calingli; he adds, that Mariaba is a general name of a capital. It is apparently then the Mariaba " of the Calingli which he informs us, contrary to the affection of Strabo, that Gallus took, and finished his invation at Catipeta. But it is fill more extraordinary, that the other cities he mentions as taken and deflroyed by Gallus, do not, in any one inflance, correspond with those of Strabo, except that his Negra is possibly Nera ".

Dio " terminates the irruption at Athlula, evidently the Athrulla of Strabo: he mentions the army being afflicted with a diffuse in the head and legs; and adds, that Gallus did not merely retreat, but was driven out by the natives.

The whole of this goes to prove, that Gallus did not reach Mareb Baramaleum; and, in thort, the fact is impossible; for that Mareb is above eleven "" hundred miles from Moilah, and the retreat of Gallus, in fixty days, would require a march of almost twenty miles a day, which, for fuch a continuance, is not to be performed.

But if the Mureb of d'Anville he too dillant, the Mecca of Goffellin is too near; for the route of the caravan, from Mollah to Mecca, makes it only 731 miles, at 3 miles an hour.

547 - at at miles an hour.

546 - d'Anville's Map.

00

560 - De la Rochette's Map.

Add for road-diffance So

640 - probable mean diffance, from 620 to 640.

" Supradistant Mariaham, The Mariaha of the Calingii is the full mentioned, and Hisdonn inppotes that to be meant.

" May it not be Negrum, for Nagrum !

"I. It is 1085 in a super lose, which, with the addition of a feworth, becomes 1240, and increases the difficulty."

H,

If, therefore, Gallus was advancing for fix months, he must have marched little more than an hundred miles a month. And let us Inppose, with Goffellin, all the fraud of Sylleus, and all the deviations of the march he pleases, this advance is far less than a Roman army can be supposed to make. The country Gallus was defirous of reaching, was the country of gold "", frankincenfe, myrrh, and fpices, certainly either Hadramaut or Yemen; and when he was at Mariyaba, he was told he was but two days diffance from the province he withed to enter. He might be deceived in that, and most probably he was; but the deception could hardly amount to the difference between two days and thirty, and Mecca is little thort of thirty days from Hadramout.

Golfellin supposes Athrulla to be Yathreb or Madina, and Mar-Iyaba to be Macoraba or Mesca ; but it is not early to differer the refemblance of these names, or the other live he gives from Pliny. Strabo is furely a better guide, who was in habits of intimacy with Gallus, and who received the names most prohably from his report. Pliny fays, that Mariyaba was taken, and that the expedition terminated at Caripeta: Strabo afferts, that Mariyaba was not taken, and does not notice Caripeta at all. It is not fale to build on fimilarity of names; but Nagrana, which Gollellin Supposes to be Al Nokra ". is certainly more nearly related to Najeran in found. Najeran is affuredly as ancient as Mahomed's time; it is a confpicuous pro-

fore eightly & hor wis coincided sum extraminte Kufu prope Manfen at Notice. Al Edito, p. 121. Even as & Astrille has placed. Callun appears to force taken.

Al Nokra, I conceive it lies for 100 much to " Al Nohra is the place where the cood the call to be in the track of Gallan; and, from the expression of Al Edrilli, I conclude it lies farther suit than d'Anville lim placed it. But awn if d'Anville is right. Al Nokra in upo gets of 250 miles out of the read that

¹⁴ Strubby 189from Bales to Medias joins ther from Kote to the fire city. A Berra of Medinary axiomes

vince still, according to Niebuhr "; and Al Edriss " places it on the road from Mecca to Yemen. This appears to be the very route by which Galius was advancing; and Najeran, by the Arabian accounts, was capable of affording the supplies of which the army stood in need. I am myself therefore persuaded, that Gallus entered the country of the Mineans, and that the city he assaulted, whether Mariaba, Mariyaba, or Caripeta, was the capital of that province; for Mariaba implies a capital in general; and if Ilasar is the king of this tribe, whether Galingii, Rhamanita, or Elesari, I would comprehend all three under the title of Mineans. At least, to my conception it is clear, that Ptolemy, Pliny, and Strabo, all point to something farther south than Mecca.

Whether this opinion will meet with the approbation of others, is dubious; such as the obscurity and contradiction of my authorities will allow, I give it. If Najeran be a fixed point, and concluded, we have ground to stand on; if it can be disputed, I am ready to embrace any assumption that may be supported upon better proofs. What the Rhamanian of Straho, or Calingil of Pliny, may be, seems impossible to determine. Gossellin concludes, that the Rhamanian of Straho are the Manian of Ptolemy: it is the strength of his argument; and in Mercator's Map, the Manian are placed on the north of Mecca. But perhaps Mercator is milled, for we have no latitude of the Manian; and the text says, below the Manian is the interior Myrch country, and then the Mincans, a great nation. I have not yet met with any account of myrch in Hejaz, and therefore, if the Rhamanian and Manian are the same, I conclude that they are

Ambie, ii. 114:

[&]quot; You ou Maniere i breit manyespilat, the Manier pilym (Sec.

in Yemen. But the whole of this is conjectural; and, if names avail, I might with equal propriety contend, that Rhaman is Haman, or Hamdan, the tribe converted by Ali, the polition of which antwers; or affect, that Cari-Petz is Caral-Petz, correspondent to the Carna of Carana of Strabe, which he lays was the capital of the Alineatiz.

Is it not reasonable to suppose that the army moved in the track of the caravane " ? and as the line here assumed is direct between liejan and Hadramans, and cuts the province of the Mindans, who were the regular carriers between both, duct not this supposition solve more of the difficulties than any other? It is but a supposition at last; fill, where our ignorance of the country renders every effort dubious, a rational hypothesis is all that can be expected.

Najerso in highlights in Hejan, for it is one of the formelies of Merca, according to Al Edrica; and the boundary of this province and Yemen, is fixed at the following station. If, therefore, Gallus

I have a lineing towards the or officers of the two places he shall have if the two places he that have one or toward a fee for the force of y amount be taken, and not taken, and site repulsion common toppolity on two different places. The following street places, any be exclude, if not encounting it.

ently, but without affining any expectance to, any our the Kampine of Piloty in Kampine of Piloty in Kampine Deman the feeterie of Kampine, it this mode to dispose of March and Special of March and the Read Property for Santana and the piloty of the Santana State of the Santana applications of the March and Santana.

The Borne has proved the out, and of the bappened and the Courts angle there are necessarily by the consequence of the bappened and the organization of the bappened and the bap

× 21 2005, p. 45

The fire poor calling is Artic Pilling or Transa, were the Minister, the Substance, the Randomenics (who are in the Nephroris of the Periphin), and the people of Hadronical, As the power of the Substance decision, the take of Hamper (the Hameston) provable, attack reprint was Aphan, Suptance, or Dather; has the copied of the Minister and Karon, or Korona. Manufacturers when their is poster.

was nine days in returning hither after his repulse, we may suppose that he would not march less than fifteen miles a day on such an emergency: this requires that he should have advanced upwards of an hundred miles into Yemen. And if we date from Najaran the fixty days employed in his retreat to Nera, an estimate between twelve and fifteen miles a day would enable him to reach that port in the time assigned. This forms a great exertion for fixty " days continuance; but samine impended, and doubtless the Araba hovered in the rear; add to this, that when the army arrived in Egypt it was completely minest, as Strate informs us, by famine, hardship, sickness, and the difficulties of the march.

Ners, as it is the sermination of the expedition, I should have been glad to fix, but no representative offers; it must be within the limits of Petres, and it should be placed as far below Lenke Kome as the province will admis; it may perhaps be discovered by some future Niebuhr; or an enlarged knowledge of the language, and the country, may then that we are all pilots at fee, without inflruments, charts, or compass.

We are now to return to the coaff, on which, as has been already mitical, the Periplies mantions only the Cantaines, Burnt Ifland, Monfa, and Okelle. The Cantaines are the wild tribes on the broken there of the Helez, terminating about Haffan Ifle, in let xe. And the pullage from Lenke Kome to the Burnt Ifland was conducted with a view of avoiding the coaff throughout. How this could be effected during a run of from ten to twilve degrees, or more, is not easily accounted for ; but one of these diffunces it must.

[&]quot;I flor it agents with a finite mute from which required by dogs. Life ail ye. How-Thomas to Corn, mentioned by Piny, decide

he, according as we affirme Gebel Tar, or Gebel Zekir, for Katakekaumene, or the Burnt Island; and as both preferve at prefent the figur of volcances in decay; one of them is must be, as may fuit best with other circumstances mentioned. The extreme distance is from Mollah, in lat. 27° 56' to Gebel Zekir", in 13° 50'; the fmalleft, from Hallau Ille, in 25, " to Gebel Tar, in 15° 10. If Mokha is affumed for the representative of Moofa, and Moofa be the only object of the ancients, Gebel Zekir must be preferred; or if we suppose that the ancients wished to approach the coall, as foon as they found the narives more civilized, we should rather be directed to Gebel Tar"; for in that latitude, and even to the north of it, we are to fix the Sabiana generally, in the fame manner as Niebular extends the dominion or influence of the modern Sana. Sana in fact, under the government of its Imam ", as it comprehends nearly the fame territory as the ancient Sabea, fo does it partake of the manners and habits attributed to that nation, where commercial intercourse had softened the Arabian character, and in-

in Making \$4' 6'.

" Making o' so.

This is evident, from Barteman in Ramunia, the French Voyages in 1721, by La Recque, and Nichahe. The government of the Imam is much more gentle than any Moorifigovernment in Africa or Arabia; the people, too, are of gentle manners, the men, from emit ages, being accustomed to trade. Bruce, in 307.

[&]quot;Notwhite ling the differentiate of "I III M. d'Assille and M. Goffello, no one can thips go fearch this quellon theroughly without reference to the differentian of the former on the gulph of Arabia. I have collected naterials that of from both; from P. Sieurd, Irwin, Bruce, of department the latitudes of the last to all others, it music, it because they are founded more especially on Recque observations made by Explish arrigators, and the effects on board the linear, prekets, and government of both in the fact of the most too, are part, frientific term, and better qualified to emit agent determine matrical questions than any mail is 307, gators who have preceded them.

the Judich Tier is the point from which all fidge makes to Jidda take their departure after failing from Mochas Forner, is p. 341. This, though the course is the direct contrary to that of the Pariphia, fillimarks it as a paint of departure and definition.

troduced that fecurity of life and property, without which commerce itself cannot exist.

Mooza, according to the Periplûs, was the regular mart " of the country: it was not a harbour, but a road with a fandy bettom, which afforded good hold for the anchora ", and where the ships lay in great security: it was inhabited wholly by Arabians; and was frequented on account of the Indian trade with Barugaza, as much as for its native produce.

The intercourse with the Sabeans had from the sirst been established, either here or at some mart in its vicinity; but the Sabeans were now no longer the prevailing tribe; the Homerites, who came from March, were become the soperior power, and Charibael the sovereign of both nations. He had fixed the seat of his government at Aphar, supposed by Gossellin to be the same as Dafar or Sasar; and Dafar is noticed by Niebuhr as a place near Mount Sumara, now in ruins. The distance, however, does not answer; for Aphar is placed by the Periples thirteen days inland from Save, and Save three days from Moosa. But it Save is the same as Tasas, or Mount Sabber, the distance from Sabber to Dafar is not much more than from Moosa to Sabber; and thirteen days from Sabber inland would carry us much nearer to Sana, the modern capital of the Imam, and the metropolis of Yemen.

It is possible, that in a country subject to perpetual revolutions, provinces may have obtained different names from the tribes that occupied different fituations: this seems apparent in the district of Cataba, which is now inland fixty miles from the coast, notwith-

a amon every other part.

of the conductions of the port chabbilled by of the road of Mohlin. The cables, he farm do not subs because the house is that while of Brock countries the fame circumflance is is count in almost every other part.

flanding that Stinbo places the Catabanians immediately at the firaits. It may be, therefore, prefumption to fay, that Save is Salber ", or Aphar, Dafar; notwithflanding that the territory of Maphartis " at Save, or the capital of the Homerites thirteen days inland, may afford as general information fufficiently correct. Cholebus, the lovereign of Misphartis, whose refidence is at Save, is styled a tyrant by the Periplia, that is, a prince whole legitimate title was not acknowledged; but Charibael is the genuine " fovereign of the Homentes and Sabdans. The power of Cholchus extended over the fouth-west angle of Yemen, both within and without the straits, occupying the fame tract as the Catabanians of Strabo in a former age. And Cholebus had a joint power " with the fubjects of Charibael at Moons, over the ferricment at Rhapta, on the coast of Africa.

The mart of Yemen, at the prefent day, is at Mokha, where coffee is the grand article of exportation, on which the Imam of Sana " receives a duty of twenty-five per cent, equivalent to the cuffom exacted by the Romans at Leuke Kome feventeen hundred years ago. Twenty miles inland from Mocha, Niebuhr difcovered a Moofa ftill exifting, which he with great probability supposes to be the ancient mart, now carried inland to this diffance by the accretion of the coalt. And if the accretion is allowed, certainly

" Periplia, p 13.

w Sandal Perip p. 13

" Nirbahr los a conjecture also relating to murchants of Monda, who were imports to Charitach sectived a tribute from Rhapta. white Children and the civil adminidration of the fettlement. Matajura manne, Juthe Tycont of Maphartie. Mophartie and Maphartie differ no more than Dofar and Dafar, imthe prominciation of which Nighther says he could pensive so difference.

> " Mighaler, who cites Pliny, lib. xii, e. 35. for mother influere: Regi Gebanitorum quar-

tus myrring patter pendint.

Salbbu ami Zehiri, tom ii. p. 55-

So I interpret a pullage (p. sc. of the Periphita) electric It dards (1th greens) sumi ra Annua special familiaries of Secretal bill abuse. property Agrains, I Makeping vigning They H. To Surpline with the mostly in the Maine. I underflund by this, that Type means Cho-Bine, and Section Charibral ; and thut the

no fituation can be affumed more correspondent to the ancient authorities.

At Moofe, the IMPORTS specified are thefe:

Tuarious Apalines Meinibures o to make; was known was STREETS ASSESSED.

Hopoupa" diapopos sai guessia, Purple Cloth, fine and ordinary. Cloaths made up in the Arabian fashion, with sleeves, plain and common, and (feutulatus) mixed or dappled.

Eposeos. Saffron.

Kumagay Cyperus. Aromatic Ruth.

Mullins. Obbutou. Abraxan. Cloaks.

Andrese a grobbas andor to nat ANTONION.

Quilts, a small affortment; some plain, and others adapted to the fathion of the country.

Sathes, embroidered, or of different Zики опитал, thades.

Perfumes. Mugor,

Specie for the market, or in con-Namua luavdy, fiderable quantity.

Wine and Corn, not much. The Olise To was altos a modus country produces fome corn, and a good deal of wine.

EXPORTS:

Lucipia enlicere. -Myrrh, of the best quality.

YTORT SPRIPERIES, Stacle, or Gum.

Allybor. White Stones. Alabafter.

"The modern articles of import and ex- " A doubtful reading; but probably conpart may be firm in Niehalor, turn il. taining Mann, i.e. from the country of the P. 31.

Added PP

Added to these were a variety of the articles enumerated at Aduli ", which are brought over from Africa and fold here. But there were likewife feveral others imported as prefents both to Charibael " and Cholübus; fuch as horfes, mules, gold plate, and filver emboffed, robes of great value, and brain ware of various kinds. Of thefe it may be prefumed that Charibael had the largest thare; for to him embuffies " were frequently addressed, and he was confidered as the friend of the Roman emperors.

The importance of this commerce, as it appears in the Periplus, is manifestly far inferior to the representation of it in Agatherchides; and the trade of the Sabeans declining, after the ficets from Egypt found their way to India direct, was probably not only the cause of their impoverishment, but of their subjugation also by the Homerites. Still it is evident that the manners of the people in this quarter of Arabia were civilized; that the government was confiftent, and that the merchant was protected. This character, as we learn from Niebuhr, Yemen fill maintains, in preference to the Hejas, and the whole interior of the peninfula. The fame fecusfity is marked as throughly by the Periplus in Hudramaut; and the whole coast on the ocean being commercial, the interests of commerce have lubdeed the natural ferocity of the inhabitants.

It is a circumstance foreign to the object of the present work, but fill curious to remark, that in the age previous to Mahomet, Yemen

- Colleg and franking into the chief of the little of Friend of the Engages, in honour the miner expects at prefent, with styrik! formerly conferred apost feverying in alliance with Rome, by a vote of the finate. Mannine, Eumener, and Aravidus, were flying Asiar Populi Romani. But I have perferred " Engin springs on ope Marris are- the rendering in the text, because the prefents

more, and Abellinian gold from Mainta, anevering to the meant Adolt.

to to m firmer was no manage.

species, may be residered as experifice, that from Room are specified, to frequent embalies and profess to had distinct

was in the possession of the Abysimians, whose power terminated with his birth; and that in the fhort period " which intervened between his assuming the prophetic office and the Caliphat of Abubeere and Omar, all this part of Arabia was, almost without an effort, fubjected " to their power. In the fixteenth century the Turks were mafters of the coaft, and fome places inland, but were driven out by the founder of the prefent dynasty, Khassem el Ehir, whose posterity assumed the title of Imam, and fixed their refulence at Sana, the prefent capital of Yemen, which cannot be very diffant from the ancient metropolis of Sabéa.

On this coast, the first fleets that failed from Egypt met the commerce from India. Agatharchides feems to fay, that the thips from Perfia, Carmania, and the Indus, came no farther than the coaft beyond the fraits; and that the fleets from Egypt received their lading without paffing them. Now the fleet from Carmania and the Indus could not reach Arabia without experiencing the effects of the monfoon, as Nearthus had done; and the knowledge of this once obtained, could not be loft. We cannot go farther back, hiftorically, than the journal of Nearchus; but in that we find manifest traces of Arabian navigators on the coast of Mekran, previous to his expedition. And whether the Arabians failed from Oman or Sabéa, it is fill a proof that the monfoon mult have been known to them before the time of Alexander; and a high probability that they had reached the coall of Malabar, or that veffels from that coalt had reached Arabia, from the earlieft ages.

[&]quot; Nietzber, time in p. (o.

accession of the firmingalt and riched provinces "Yemen from to have been converted of the penintale, of the nare confined to the before Mainter's death, if we credit the ac- mury borbarous, is one of the obleand liets count of Ah's million and theorie. But the farthe early hillory of the Mahamadan power.

The diffance from Moofa to Okèlis is fhort of forty " miles. Okelis has a bay immediately within the firaits; and at this flation the fleets which failed from Egypt in July, rendezvoused " till they took their departure the latter part of August, when the montoon was fill favourable to conduct thum to Muziris, on the coast of India. For Okelis we have Okils " in other ancient authors, and Ghella is the name it bears at prefent. D'Anville has marked it fulficiently in his Ancient Geography; and in Capt. Cook's " chart, which is upon a large feale, the entrance of this bay is two miles " wide, and its depth little thort of three. Added to this, if it is confidered that the projection of the Hab-el-Manulely point is a complete protection " against the contrary moniton, we find here all the conveniences " that were requisite for a fleet conftructed like thole of the ancients.

7 900 fladis, Peripl cound to 371 miles, or, at to Stadia to the mile, to mile.

1 14 Boe fagers, 10. 57. 12 75-

" Aska, test; flake, marg. Strobo, P 769. lie calls the promontory by this hame.

to have been already monitoring than the Capt Cook here mentioned commanded a thop in the Lindia Company's fervice, about the call agree His finds if very larger and continuently I have been contest to new this bay more diffinelly than in d'Anville's map, or De la Ruchettela churt ; and had I bern poffield of Capt. Capt's chart when I determed the Bay Avaires (p. 111.), I should not have been as a late to affige its forer and limits : it appears there is perfect conformity with the Periplan. Buch is the milentage of a larger at the examine of the Bay of Okella. feele, and facit is the correspondence of ma-

dern intelligence with socient authorities, when we can obtain it in detail.

" De la Rocherre marks this bay, met ndda, that it is still margable by boats , a forficient proof that it was premicable for an Marphine Best fenenters contures ago.

the Between Cape St. Amony and Ballet Mandale the hand is low along thorn, forming a deep buy, which makes the Cape (Babel Mindell | appear detached: Oriental Navi-

gator, p. 151;

"Having paried the fireit, it is succiney to suchus ; you mid that up the firsts, and anchor a little to the porthward of Cape Babof Mandels, where the water is Manage formation Oriental Nasignton, p. 151 - N. 2 This is

X. STRAITS OF BAB-EL-MANDEB, ANCIENT NAVIGATION OF SESOSTRIS.

The pallage of the straits, and entrance into the ocean, had been considered possibly as great an atchievement by the natives, on both sides of the Gulph of Arabia, as the voyage of Hercules through the Straits of Gades to the Garden of the Hesperidea, by the Greeks. Fabulous accounts consequently attached to both; and the passing of Bab-el-Mandeb was as naturally attributed to Sesostris, as the voyage through the Straits of Gibraltar to Hercules. Diodôrus says, that Sesostris "fent a steet of sour hundred ships into the Erythrean Sea, and subdued the illands, and all the maritime countries as far as India. Herodotus is much more moderate; and mentions only, that Sesostris commenced his expedition from the Gulph of Arabia, and subdued the nations bordering on the Erythrean Sea, till he met with shoals ", which opposed the farther progress of his sleet.

But as we are now arrived at the firaits, I shall introduce a table comprizing the most material authorities of the ancients, compared with each other, and with the different conclusions of the moderns. A final decision on the points disputed, or actual precision in the present attempt, are not to be expected; but a probable adjustment of near twenty names to their respective positions, will assort the reader a general view, which will enable him to form a judgment for himself.

[&]quot; Died. Ilb. L. p. 64. ed. Wellel.

[&]quot; Herod. Ilb. ii. p. 149 ed. Welfel.

TABLE of Proling Catalogue for the Haffern Side of the Gulph of Arabia, compared with other Geographers, ancient and prodern.

The first Leither of Prolemp is scorning to the Latin Vers, the focust, according to the Greek.

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If the fhoals of Herodotus have any foundation in fact, they are connected with the Bay Avalites", on the African thore, immediately beyond the straits, where mention is made both by Strabo and the Periplus, that the veffels employed in later ages put their lading into bears in order to trade with the natives; but this is hardly intended by Heródems, though his description has confined him within narrower limits than those of Diodorus,

This, however, we obtain at least from the account before us, that in the age of Herodoms it was a prevailing opinion, that the pallage had been made in the most remote ages; and if the Egyptians ever were navigators, there can be no objection to admit them into a participation of the commerce with Arabia, or extending that commerce as far as the Arabians did towards the east. Few other historical documents, however, of the fact appear, farther than may be collected from the circumstances here recorded, and these are both few and deficient.

To what extent the pallage of the firaits, and progressively, the voyage to India, were accomplished, has been already fufficiently thewn; but that it was always confidered as a most extraordinary attempt by all those who had not perionally made it, we want no other tellimony than that of Arrian, the hillorian of Alexander. He afferts, that no one had gone round the whole coult, from the Arabian into the Perfian " Gulph, though perhaps fome few had palled from one to the other by firiking out into the open fea.".

[&]quot; Perhaps the Salm of Cofman, but dubiomy for his Salus forms to be rather on the coult of Astel, or Barbaria. Sex Melch, Thevent, p. 7. Comme

for the western coust of the Gulph of Person has been little visited. Capt. Hamilton's in the bell account I have feen

^{*} Lills with p. 158, ed. Gronov. See the This is in some measure true at this day; note of Gronovius on this pallage, p. 35%.

Now Arrian lived in the reign of Adrian; and Hippalus had laid open the track to India, at least fourfcore years before Arrian wrote: fo little was known in the northern part of the empire of what was going on in the fourh.

Okelis was not a mart of commerce, but a bay with good anchorage, and well supplied with water: it was subject to Cholebus "". The neighbouring headland of Bab-el-Mandeb, which forms the entrance of the straits, is placed in lat. 12° 39° 20° by Bruce, and the straits themselves are said to be only fixty stadia, or seven miles and a half wide, or six miles, if we reckon ten stadia to the mile. This is very near the truth, if we measure from Bab-el-Mandeb to Perim, which the Periplus calls the Island of Diodôrus; while the whole breadth, from the Arabian to the African side, is nearly sive-and-twenty. Perim, or Mehun, was taken possession of by the British, when the French were in Egypt, and begun to be fortissed; but it has no water. It is not the only island in the straits; for there is another called Pilor's Island, close to the Arabian shore; and on the African side eight more, bearing the name of Agesteen.

The wind in this pallage is described as violent, from its confinement between the high lands on both fides; and the opening of the firaits gradually towards Fartaque and Gardefan, is firengly "marked in the Periplus.

The first place to which we are directed beyond the straits, is a village called Arabia Felix: its distance is estimated at an hundred and twenty miles from Okélis; and it was formerly a city of im-

Country.

Country.

Control of largest Cook's opening by degrees from the firsts to also Chart inskip it makes to also control opening by degrees from the firsts to also Chart inskip it acces by reflect to also control opening by degrees from the firsts to also chart inskip it acces by reflect to also chart inskip it acces by the control of the c

Egypt to the countries towards the East ". Previous to that time, the fleets from Egypt and the East met in this harbour, which was the centre of the commerce, as Alexandria was afterwards for all that passed through Egypt into the Mediterranean. This harbour was more commodious than Okelis, and afforded better anchorage, as well as better convenience for watering, than Okelis. The town stands at the entrance of the bay, and the retiring of the land inwards affords protection to the shipping. Reduced as it was in the author's age, by the different channel into which the commerce had been directed, the village was subject to Charibáel, and had within a few years been taken and destroyed by the Romans.

XI. A DEN.

EVERY circumflance in this minute description directs us to Aden the diffrance, the harbour, and the name ", all correspond; and the peculiarity of its being under Charibael, while Okélis was possessed by Cholébus, marks the extent of the Flomerite dominious, fur-rounding Maphartis in the angle of the peninfula. The native shelks, or heads of tribes, at the present day, are perfect representatives of Cholébus. When Niebuhr was in Arabia, the shelk of

The Arabs dillinguith between Cheen and

Ma Cheene the first is Cochin China; and the other, China. The processis multiplied feature to imply, that Sinarum afed here is as a rise and Chinese, and that the country is for west in that age. Southe and India express Soludi and Hinstorian.

- Aden agminer delicies. Hort.

To the middle ages, the India trade bull reverted into its original course; Ex Inda folwanter assign Sinde, India, at Souram, et ad infam deferment sufa Sinda. Al Edville, p. 25.

Aden was no longer subject to the Imam of Sana, but had afferted his independence, and possessed a small territory in the neighbourhood of the city.

The capture also and destruction of this village by the Romans, a fliort time previous to the author's age, would be a natural confequence of the progress and extension of the Roman commerce from the Red Sea to India; and, as Claudius collected a tribute from the maritime towns of Arabia, it is natural to suppose that he was the Cefar mentioned in the Periphis, who ordered this place to be defireyed, for the purpose of suppressing every power that might interfere with the Roman commerce, or divert a there of it into its ancient channel. It is true this must have been an act of oppression upon Charibael, who was the ally and friend of the Roman emperors; but far greater facrifices of their juffice to their ambition occur in the history of those sovereigns of the world. Was it not the fame policy which induced Soliman, emperor of the Turks, when he fent Soliman Pacha from the Red Sex to Suppress the rising power of the Portuguese in India; when, under pretence of delivering the Mahamedan Powers from this new and unexpeded intrulion of the Christians, he employed the forces which had been collected on the occasion in seizing on the maritime towns of Arabia? It was then that Soliman Pacha obtained poffellion of Aden by treachery, and banged the theik at the yard-arm of his thip ";

I conjecture that it was Aden which Agatherchides describes without a name, when he places a city on his White Sea without

at Alexandria, and fest to Sour to free ember on four fries thise in a year.

Wraggio di un comito Venetiano. Ra- Sulimen Parita. He was prefeut at the enganties, turn l. I 27% amo 153%. cutim of the flicik, and deferibes the India. This Venetian captain was puters requisition. trade at Aden at then compling of only three

the firaits; from whence, he fays, the Sabeans fent out calonies or factories into India; and where the lleets from Periis, Carmania, and the Indus, arrived. He specifies large ships employed for this purpose; and though his mention of islands may suggest an idea of Sceotra, Caria Muria, and the coast of Oman, it seems far more probable that his intelligence was imperfect, and that these fleets, which he describes, must have been found in the same port which the Periplus assigns them, as long as the monopoly continued in the hands of the Sabeans.

The testimony of Agatharchides is, in one point, highly important; for it is the first historical evidence to prove the establishment of Arabian colonists, or rather resistent factors and merchants, in the ports of India: it is a fact in harmony with all that we collect in later periods, from Pliny, and the Periplus, and Cosmas; and we may from analogy conclude, that it was equally true in ages antecedent to Agatharchides; that is, as early as we can suppose the Arabians to have reached India. The settlement of their own agents in the country was most convenient and profitable, while the manners and religion of India created no obstacle to the system.

In the middle ages, when the power of the Romans was extinguifhed, and the Mahomedans were polletled of Egypt, Aden refumed its rank as the centre of the trade between India and the Red Sea. The thips which came from the East were large, like those which Agatharchides describes: they did not pass the straits, but landed their cargoes at this port, where the trankies "" or germes of the Arabs, which brought the produce of Europe, Syria, and Egypt,

M. Polo after the expression Zorms. The finner, that the floige from the East did not Araba of Remander mention the fame circums oncer the Red Son.

received the precious commodities of the East, and conveyed them either to Assab, Kosir, or Jidda; when all that passed into Europe, still came to Alexandria, and enriched the Soldan's dominions by the duties levied, and the profits of the transit. In this situation, Marco Polo found Aden " in the thirteenth century; and the account he gives of the wealth, power, and influence of Aden, is almost as magnificent as that which Agatharchides attributed to the Sabéans in the time of the Ptolemics, when the trade was carried on in the same manner.

So far as the identity of Aden and Arabia Felix, there is neither difficulty nor difagreement; but upon the remainder of this extenfive coast, from Aden to the Gulph of Persia, there will be few positions in the following detail which will accord with d'Anville's arrangement, or with that of other commentators who have beflowed their attention upon the Periplus.

XII. ARRANGEMENT OF THE COAST OF ARABIA ON THE OCEAN.

THE circumstance upon which the whole depends, is the adjustment of Syagros. In common with others, I had supposed its representative to be the modern Ras-el-had; and there is so much to induce this opinion, that I abandoned it with great resuctance, and thall perhaps find great difficulty in persuading others that it is erroneous.

The Periphus notices Syagros as pointing to the East, and as the greatest promontory in the world. Omana likewise is men-

M. Polo, lib. iiii e. 39, the folden of Adres at the fiege of Acre, in the year atten. Such a feet 30,000 harfe and 40,000 camels, to affect folder as this night be the Amen of Steel.

tioned with it, answering to the present Oman; and Moscha, seemingly identified with Maskat, the principal port of that province. Under the influence of their refemblances and probabilities, if I had joined in the common fuffrage, and called Syagros Ras-el-had in my former publications, wherever it occurred, it is conviction alone, and the abandonment of fystem for truth, which compels me to recall the error, and acknowledge that Syagres is not Ras-el-had, but Eartaque.

This is a concession not made for the purpose of particular accommodation, but grounded on a general analytis of all the politions on the coalt, on a combination of all the circumftances relative to the divition of the provinces; and upon a painful re-confideration of all that was to be undone, and unfettled, after I had fixed my opinions upon the authority of the best writers, who had preceded me on the subject.

The reader will expect proofs; and the proofs are, that the iffands round the whole extent of the coast on the ocean will now fall naturally into their places, which cannot be effected by any other arrangement. The illands in Ptolemy will become relatively confiftent with those of the Periplus; and the Bay Sachalites, which Prolomy has been accused of transpoling from the west to the east of Syagros, is reduced to the different application of a name, inflead of a difference in point of lituation.

Sachalites is univerfally allowed to be the Greek form of expreffing the Arabick Sahar "". Now there are two Sahars on the

* Salar becomes Sucher by enforcing the Tipris of the Greeks ; and Sinus Sachalites found of the afgirers, and the absorpt of the la equivalent to Sucher-Resy the lay of Sachur

final e is analogous in a suriety of inflances; or Estine. thus, Degel formed into Deger, is the aren

coast of Archia: one that is almost centrical between Aden and Fartaque; and another that lies to the caft of Fartaque, between that cape and Cape Morebat or Merbat ". In the first " of these there is little variation of orthography; but the other is written Schahr, Schahr ", Shahar, Cheer ", and Seger. They are both frequented as places of trade to this day. And if we suppose that the first Sahar is the Sachalites of the Periplus, and the second Shahar, the Sachalites of Ptolemy, the Syagres of Ptolemy will answer to Fartaque as well as the Syagros of the Periphis, and the two authors will be in harmony with each other.

Further proofs of this reconciliation will be given in our progress along the coaft, and fome difficulties that attend it will be acknowledged; but if it should be admissible or probable upon the whole, much indulgence is due in regard to inferior objections; as, upon the first view of the coast before us, no two accounts can from more irreconcileable to each other than those of Prolemy and the Periplus.

" Cope Mirrian, called Merchat and Mirrishour to our charter to a healthird mell ailsized by our Laguist cavigators; it is now of the principal distress of homemorals a for Al Edrill feys, in mostline Merbet aufematus nibores thurs quad deixili la supras Constaer Occidentis partes defertur, It le four dags, or an hundred miles, from Pinfer, and conferquently in the very heart to the differet, which is the Suchalites of Piolomy I observe in form anthors a divition of the could into Thus. 1710, which with the Fronti presume below, rifers Regio, Prior and Ulteria . if this is founded, the Prior would be previous to Partaque, and the Ulterior to the sail want of it; the first would be the Socialities of the Periplies, and the latter the Sachalipes of Ptolomy; and respectively, the Hallramant and Segar of

modern, at least I have not yet met with I the any servent author. See Al Edriffi,

The fielt Salur is meant by Nichabe, at he places at in the province of Julia which fles between Ailen and Finicament rumf be wellen it Sellahr, Arabie. Tome in po 123, Freuch salting - is in like its the Effect at Marco Polo, co miles from Adra. Libe in a go,

In the French Voruge, by La Raque is one English Schafte, presumecal Blance.

" Remarket's thrub calls it Silms as Shiller, which is the English Sheer. The produce, he fays, is frankingent: The thips of Sone go to juble, but move father in the Hed-Sen. Third enriches are conveyed to Egypt. Al Edwill. But I rather think the diffication in thips of Colling, the Red Bez. p. 73-

XIII. KANE.

This first post to which we are to proceed from Aden, is Kane "; the diffance is flated at two thousand fladia or more, upon a length of coast inhabited by Bedouins and Ichthyophagi; and if we estimate the number of fladia at two hundred miles, the termination talls very nearly at the Cava Canim of d'Anville, or at Maculla Bay, which lies a very few miles to the castward. Our charts take notice of both; and at Cava Canim, which is inferred principally upon the authority of d'Anville, there appear fome iffets, which may be Orncon " and Troolla, described as defert ifles by the Periplus; and which, if they exist, identify Cava Canim for Kane, in preference to Maculla. In point of diffance, either is fufficiently exact to answer the purpose; for Maculla is fixty " leagues from Aden, and Cava Canim eight or ten miles thort of that bay.

Kand is represented as a port of confiderable trade, subject to Eleazus, king of the Incente country, who refided at Sabbatha, the principal city of the diffrict, which lies at fome diffance inland. At Kane is collected all the incense that is produced in the country, and which is conveyed hither both by land and fea, either by means

- I have not been without infpirious that Kumi might he Keschin, which I have found written Callier, that is, Kate in Oriental promoreighen Hat I have the name only to guide me to this furpicions for Kelchin would not seree with the dillame from Aden, or to C. Farraque, or with the Bay Sochalites of the Periphia. Neither have I get found, in any map or sarrative, two illumb off Kufebin, to currespond with Orneon and Troolla. Idanda, planes, mountains, and promontonies, are our furell guides.

" Orneon is Bird Island, to called perhaps from the universal habit of fee fowle reforting to defert ifferts and Troolla has no meaning in Greek. It is faid to the san thatis from Kens, of which I can find no trace.

" Sixty Inquie, or (8n geographical miles, are equal to 228 miles English. See Oriental

Navigator, p. 161-

of caravans, or in the veffels of the country, which are floats supported upon instated skins." Salibatha is supposed by most of the commentators to be Schibam or Scebam, which Al Edrish places in Hadramant, at four stations, or an hundred miles, from March: a certain proof that we have adopted the right Sahar for the Periplus; because March cannot be within three hundred miles of the Eastern Sahar, or Seger; and Seger is not considered by Al Edrish as a part " of Hadramant, but as a separate district.

It is remarkable that the author of the Periplus, who notices Sabča and Oman by name, makes no mention of Hadramaut, the third general division of the coast, but distinguishes it only by the title of the Incense country. To maintain that these are the three general divisions of Arabia on the Indian Ocean, is consonant to all the evidence we have, ancient and modern; neither do independent districts or sheiks, as those of Keschin, Seger, or Mahra, interfere with this distribution. And that we are equally correct in affigning the Western Sahar to Hadramaut, is capable of proof; for Al Edrissis, from Aden to Hadramaut, which lies to the east of Aden, are five "stations. If therefore we observe, that at Kanč we are already two hundred miles cast of Aden, we are advanced far enough to shew that we are in Hadramaut", and that the Western Sahar is properly placed in that province.

Their finate me noticed by Agerianchiles, and see by fame fuppoind to give name to a tract inhabited by Africa, from Area, User.

Term Hadramaut contermina ell als Hadramaut, oriente terra Seger. P. 52.

Ab Aden mitem of Hadramus que jucce als orientali latere iplius Aden, flationes quinque. P. 16.

[&]quot;Piolemy makes Kane the emporium of

At Kund likewife, as there was an effectified intercourse with the countries eastward "; that is, with Barngaza, Scindi, Oman, and Perils"; so was there a considerable importation from Egypt, confisting of the following articles:

Disple Salves - - A finall quantity of Wheat.

Bearing " Apalitate - - Cloths for the Arabian market.

search - Common fort.

roffic especience, - Mixed or idulterated, in great quantities.

Kanalings, - Brafs.

Kanalings, - Coral.

Storax, a refin.

And many other articles, the fame as are utually imported at Mooza,

Hendes there allo, there are brought

Appendix responses - Plate wrought, and Xenura re Secretary - Specie for the king.

tran, - - - Harles,

Autorarrec, - - Carved Images

Therrispes Sacies " deskis - Plain Cleth, of a superior quality.

the size had by I had imposed to make the marry only on the coult of Arrica logars the frame, but, from the mage been the expression is collamly extended to all ports beyond the trade, and the had live, but in India and the Gulph of Polis.

Perla opporter to Ossan.

Sin cloth of Arabin, but for the Arabin market: Is we key in the decembed his googs of our own country, Calletter cloth; that he cloth for the market of Calletter And the world parameter forms to imply, then the cloth was made up into garacters.

Apprently is opposition to these

The exportance the native produce of the country;

and various commodities, the fame as are found in the other markets of the coast. The best season for the voyage is in Thoth, or September ...

After leaving Kane, the land trends inward, and there is a very deep bay called Sachalites, that is, the Bay of Sachal or Sachar, and of a very great extent. The promontory (which is at the termination) of this is called Syngros, which from towards the eaft, and is the largest promontory in the world. Here there is a garrison for the protection of the place, and the harbour is the repository of all the Incense that is collected in the country.

XIV. BAT SACHALITES, HADRAMAUT.

This bay of Sachal has already been afferted to be Sahar; and this Sahar, or "Shahar", appears to be a fine town at the pre"fent day, fituated by the fea-fide; and it may be feen five or fix
"leagues off. The point of Shahar is swelve or thirteen leagues
from Maculla Bay;" while the coaff, with various curves, but no
indenture fo great as the Periplia requires, firetches E.N.E. to Cape
Farraque "; and that this Fartaque is Syagros, is the point now to
be proved.

[&]quot; Oriental Navigator, p. 16r. " Written Farrak, Fartaill, Fortunits.

I request the Render on a week on very within foliation in 280. Invest where is was find you the plant in most the factor of the find of the state of the find of the state of the find of the state of the find o

And first, that it points to the east is true; but it is not true that it is the largest promontory in the world; for Ras-el-had, on the same coast, is larger. But it is more conspicuous, and was of more importance, probably, in the author's view, as forming the great entrance to the Golph of Arabia, in conjunction with Cape Aromata on the coast of Africa; and as such, it is still a point of most material consequence in the opinion of modern navigators, as well as in that of the ancients.

A fecond proof is, that Socotra is faid to lie between this cape and Arômara; which, in one respect, is true, and cannot be applied to Rassel-had. And a third is, that the islands of Curia Muria, and Mazeira, are to the east of this cape, as they really lie; while, if Syagros were fixed at Rassel-had, the islands must lie on the west of the Cape, directly transposed from their real position to an erroneous one. But of this we shall treat in its place. We must now return to Sahar, which is considered in the Periplus as the heart of the Incense country; and the Incense country is Hadramaus.

Hadramant is the Hatzar-mayeth of Genelis, which lignifies in Helirew, the Court of Death; and in Arabick, the Region of Death; both names perfectly appropriate, according to the tellimony of the Periplus, which informs us, "that the incense is collected by "the king's flaves, or by malefactors condemned to this service as a punishment. The country is unhealthy in the extreme; perfiinfential even to those who fail along the coast, and mortal to the "wrotched sufferers employed in collecting the frankincense; who "perish likewise as often by want [and neglect] as by the perniincides influence of the climate. The country inland is mounitalinous, and difficult of access; the air foggy, and loaded with "Bockert Phalry p. 161.

" rapours caused [as it is supposed] by the noxious exhalations " from the trees that bear the incense; the tree lifelf is small and

" low, from the bark of which the incense " exudes, as gum does

" from feveral of our " trees in Egypt."

The conveyance of this drug by land, Pliny informs us, was through Thomas, the capital of the Gebanites, to Gaza on the coast of Palestine, by a caravan that was fixty-two days in its progres; and that the length of this journey, with the duties, frauds, and impositions on it, brought every camel's load to upwards of two-and-twenty pounds, English; and a pound of the best fort at Rome, to more than ten shillings. The course of this conveyance is not easy to comprehend"; for if the commodity passed by a caravan, the Mineaus were centrical, and the usual carriers from Gerrha on the Gulph of Persia, from Hadramant also, and from Sabéa, to Petra in Idumea. But we must not understand this as excluding the conveyance of the incense to Alexandria by the Red Sea; for that city was the great repository of this, as well as

It has been objected about from Nishabr, that the best income is now produced from lades, by he more clear, white, and pure, than the Archino, and it is a creature flames well worth because, whether the collection of this gam is attended with the fame fatal emeter in that goodies at the lare the feriled; and whather the confequences use deducible from the dong after, or from the manne of the country. Thate who are cofirms of learning more than is been remarked on this full-ject, may country bilay, bin 12 cc 14 and Submain, 18, et feet.

This is an expression to clearly marking the country of the writer, that it cannot be mis-

taken a and the whole defection is not that of a man who incredy street upon the fubject, but of one who had vilited the country, and painted what he law.

Bochart places Thomas between fiableths and Mariana, and supposes the Katabeni and Ochantia to be the same people; which they may for Pliny maker Cella (Chella) a poet of the Gelmates, xll, 13.7 but if so, in is the territory of Mapharetic fie mult place them in and they would not move by carsavans, but by sea. Strabo, however, makes Tamna the capital of the Katabeni, p. 268-1 and his Katabeni are not between Sabhatha and Mariaha, but in the territory of Maphareta. all the other produce of India and Arabia. Pliny " mentions this particularly, and notices the precautions taken by the merchants of that city to prevent fraud and adulteration.

The Periples does not advert to any particular fpot in this bay, or specify any town of Sachal ; but, after relating the circumstances as they are here flated, proceeds directly to Syagres. Syagres, or the Wild Boar, would naturally induce a perfusion that it was a nantical appellation, like the Ram Head ". Dun Note, Sec. ; but it is far more probably to be, like Phenicon in the Red Sea, derived from the palm-trees observed there, of a particular species, called Syagens: they are of a feperior fort", as Pliny informs us, with large fruit, hard, and rough in appearance, and with a high relith of the flavour of soild boar. What this flavour is, we may leave to the naturalitis to determine; but the allufion to Syágros is manifelt; and that the Cape takes its name from its product, is a natural conclusion. That this promontory is actually Cape Fartaque, cannot be doubted, if we now advert to the particulars connected with it; for we are rold, that the Iffand of Diotkorida lies between this point and Cape Arbmata, or Gardefan, on the coast of Africa; that it is as a confiderable diffance in the open ica, but nearer to Sylares than to the Cape oppolite; and that it is a large Island, far exceeding all the others that apperrain to the coast of Arabia.

Now although this account is not firifully accurate, for Socotra Is not admally between the two capes, but forms a terminating point

quem firme in spen novimus. Plin sill 4. It is not the open out point; for, smong The Painting In meridians orbe practi- his farry-nine theries. Pliny afterwards min-

⁻ ILIK UL VI or Sales profesion Crete.

puam of the critical middle and Syrgin was the Cross (Term) pump roundly, engine iplum pomum graphs, down, bufflers, ques mall angle d'ac. at a zavir granded diline from from

to Cape Gardefan, like our Scilly Islands to the Land's End, and is confequently nearer Africa than Arabia; still, speaking generally, the description in other respects is sufficiently correct. The most transferst reservence to the map will at least prove, that none of these circumstances can be applied to Rassel-had; for that cape lies almost feven hundred miles farther to the north-east, and can hardly be faid, in any sense, to be opposite to Gardefan, but by drawing a line of such extreme obliquity, as would never occur to the mind of a mariner under the idea of an opposite promontery.

XV. DIOSCORIDA, OR SOCOTRA.

Dioscorroa, Dioscorides, Dioscorias, or Dioscora, may have a Greek origin, but it has so near a resemblance to Socotra or Zocotora, that it is much more likely to be a nantical corruption of an Arabick term, than the application of a Greek one.

This island is near an hundred miles long, and thirty at its greatest breadth: it was inhabited only on the northern in fide in our author's age, and the population there was very scanty, confissing of a mixture of Arabians, Indians, and Greeks, who had reforted hither for

The the French Ween're published by La Requis, 1796, Pares - Lammin, the capital of the effect was fell on the north offe. He mentions allow that it was hope to the facility of Fartique, the first probability in the sheek of Keiler; though he calls I are specified, and Sugar, as Scherler, the part (p. 131). The French obtained here alone at elegic pleasures the quantity of og punnels; helides transmired, civet, and gum strugon. Tamerin

east a well-boilt town. There are two stryages contained in this work a and he the feeded, a party went up from Mobile to Same Who speak well of the circule, and the limin's covernment. It is a curious work, well digetted and put ingether, and the more worthy of complements, in I know of no other Europeans who have been as Same, except flarthems and Niebule.

marthy and deferted. Marco Polo informs us, that in his time the inhabitants were Christians; and Al Edrissi confirms this, with the addition, that the Greeks were introduced there by Alexander's, at the request of Aristotle's, in hopes of obtaining aloes, the principal produce of the island, and of the best quality that is known. Now it is remarkable, that aloes is not mentioned by the author of the Peripling but he notices particularly the drug called Indian is chandre, which exudes from a certain species of trees, and tortoise-shell, of the largest size and best fort; adding, that there is likewise the mountain or land-tortoise, which has the lower shell of a ruddy yellow, and too hard to be cut; and that from the folid part of this were formed cases.", boxes, and writing-tablets [of great value].

When he was returning, fave Al Edriffi, from the Pertian Gulph to the Gulph of Arabus: which, unfortunately, he sever did; and equally autominate is he in the reason he affigue for the inhabitants being Christians, became Alexander planted Greeks there.

Cofines Indiceptenties fave, they were Greeks from Egypt; he was not at the iffend, but converted with fome of the natives in Ethiopia: they serve Christians, and their priests serve from Perion, that is, they serve Nestorians. Bayer Hill, Back, p. 1175.

Montingroup's Edit, of Colinas, p. 1775.

Marco Folo fays, in Meful on the Tigria, human us patriarcha che chimmano Jacolit (ca-thollece) il qual andina Arci Vefcovi, Vefcovi, & Abbati, mandamdoli per tutti le pattie dell'India & Al Cairo, et in Baldach (Bagdat), & per tutte le hande dove habitum Christiani num peru ficundo che communda la

Sec.

chiefa perche failla in multe cole, ex lano Neftorial, Jacopiti et Armani. Lih. J. c. 6.

Dopper mentions after, embergers, and gum dragen, &c. from a tree called flee, and notices the Araba from Caxem (Kefelin), and Fartague as ruling. They are not most Christians, he says; but have christian names, as the remains of after teligion.

"The mative clausthes is a mineral; and what is meant by Indian clausther that diffile from trees, is not cally to determine. But I find in Chambers's Diffilmary, that there has been a frange confusion between clauster and dengon's blood; the dragon's blood therefore is meant, which is one of the natural productions of the pland.

— A) Edriffi, spraking of the tortoife-fault at Coria Mitrix, says, dorie testinamon exquilius conferent tal incode Laman puroptides ad lasmidian & pintendum. P 21

He informs us also, that there were feveral rivers ", and abundance of crocodiles, makes, and large lizards; from the last of which they expressed the fat, which they used for oil, and the flesh for food : but they had neither corn nor vines. Some few merchants from Mooza vifited this island; and fome that frequented the coasts of India and Cambay touched here occasionally, who imported rice, corn, India cottons, and women " flaves, for which they received in exchange very large quantities of the native tortoife-shell-

In the author's age, this illand was subject to Eleazus, the king of Sabbatha, who fet the revenue to farm ", but maintained a garrison for the purpose of securing his receipts and supporting his authority. This fact is fimilar to what we had occasion to notice on the coaft of Africa, where feveral of the ports in Azania (or Ajan) were fubject to Charibael and Cholebus, whole territories were in Yemen; and Nichular informs us, that Socotra is at this day fubject to the sheik of Keschin, who has considerable possessions in Hadramaur; and Keichin, which lies a few leagues to the westward of Fartaque, cannot be very diffant from the territory of Elearns.

The confiftency of these circumstances in the ancient and modern accounts, may induce a perfundion that we have traced out our way to far with certainty and precition; the next flep we are to advance, is the only one on the whole coult which will raise a

The water here Is very good; it runs from the monitation live a Lindy valley among date trees. The entires are civil to fire upon, dutancy poors and the only commodity to for which we had be exchange from some, Pers, fift, dates, was bling and purned to be

The printer, or elegray, refules at Tamarida. en the work did of the illand. Capt. Blake,

Orbital Nerigator- p. 124tends with, in row I month to in the Partitle to prorted there, because they had few wanterfor the lorant

the Marie Supplement of the last

SEO

doubt, and which has certainly been the fource of the conflant opinion embraced by modern " geographers, that Syagros is not Fartaque, but Ras el-had.

XVI. MOSKHA AND OMANA.

I suate that this circumflance in the very words of the author; for he fays, "Adjoining to Syagros there is a bay which runs "" " deep into the main land [of] O mann, fix hundred Hadia in width; " after this there are high mountainous rocks, fleep to, and inha-" bited by a [wild] race, that live in caverm and hollows of the " cliff. This appearance of the coult continues for five hundred " stadia more, at the termination of which lies a harbour called 61 Moficha, much frequented be on account of the Sachalitick incende

" which is imported there."

It " is the mention of Motkha and O mana here that necessarily fuggefts the idea of Matkat, which is in Oman, and the principal port of trade in the proxince; the description of the mountainous coast is characteristic; and the distance, supposing Ras-el-had to be Syagres, not incongruous. I cannot account for this coincidence; but I de not think that Morkha is Mullest, because Markat is beyond G. Ressell had; and I thall thew immediately, by the iflands which fueceed Moffeha, that we are not yet arrived at Ras-al-had by four hundred miles. Neither will the Markha of Prolemy lolve the diffi-

to [20] Save there is the Super Done

- Duchase Layre for Byteman to between "Owner or Manney the appointed, the regular pint.

Hadramon and Socialities; which in your or version to the Sechalitte of Pusiony, and then it is Farreque. Plinleg, and

Carlait of Anville's Manning for is Mac E-strie, Andreis de Belles Lettres, tum-***Y. D. 508.

culty; for he carries if farther back than the Periplus, and has placed it to the wellward of Syagros, which is bis Fartaque likewife, as well as the Fartaque of our author.

The mention of O'mana here is full more unaccountable; but I was in hopes to have reconciled it by means of a river O'emanus, or Hormanus, which Ptolemy has in his Bay Sachalates, and which he brings down from a place called O'mana. This, however, is not to be depended upon; for his map is in different on this part of the coaft, that it leaves the whole matter in uncertainty. One circumstance only can be deduced from it; which is, that his Ormanus and O'mana are both to the wellward of Rus-el-had, as well as the O'mana and Meikha of the Periphasa the proof of which is, that they both precede his Korodamon, and Korodamon must be the representative of Rus-el-had, as it is his extreme point eath of the whole peninfula.

There are no data for placing the Modelia of the Periplus, but the diffence of cleven hundred studie from Syngron; and this measure brings it nearer to Seger, the Sachalites of Ptolemy, the Schochr of the moderns, than any other page it can be referred to. At Modelia, the mention of the Bay Sachalites is again introduced by the Periplus; for the author informs on that throughout the whole extent of that bay, in every part, the incense lies in piles without a guard "to protect it, as if it were indefined to some divine power for its fecurity. Neither is it possible to obtain a cargo, either pub-

There is marking very extraordinary in firests of Panasans but in Seger, bedden the this planty of a community, however olds processing of the good, the form fermi arithmatile, and familiarity olds the fight of my. As an of march, if a finish grade summe he gas of from the olds of deposition. They of militall the gody a past.

Over the apparents of a little a good to the

liely or by consistance, without permission of the king. Nay, if a single grain were embarked claudestinely, good fortune indeed must the merchant have who could escape with his vessel from the harbour.

At Molkha there is a regular intercourse by sea with Kane; and such vessels as come from Limurike *** and Barugaza, too late in the season, and are obliged to pass the adverse monstoon in this port, treat with the king's officers to obtain frankingense in exchange for their muslins, corn, and oil ***.

If it should now be asked, whether I am mytelf satisfied with the account here given of O'mana and Moskha, I could not answer in the affirmative. These two names certainly throw a shade of obscurity and difficulty over the arrangement of the coast; and if this barren subject should be reviewed by a future commentator, much pleasure would it be to see those obstacles removed, which I have not been so fortunate as to surmount.

Still that, upon the whole, the affumption of Fartaque for Syagros is right, depends upon proofs now to be produced, which are incontrovertible; for we are now advancing to two groupes of illands, which are the most conspicuous of any that are attached to the coast of Arabia on the ocean; and as islands, rivers, and mountains, are features indelible, in these we cannot be mistaken.

XVII. ISLANDS OF ZENOBIUS, OR CURIA MURIA.

Ar fifteen hundred stadia distance from Moskha, which I have supposed to be Seger; and at the termination of the district called

** Conces and Cumbay.

" Probably gher, or inmid hutter,

Asikho, there are seven islands, almost in a line, called the Islands of Zenobius. Now the diffance answers to make these the islands in the Bay of Curia Muria, the Chartan " Martan of Al Edriffi; and though he fays they are only four, and four only they appear on our charts, it is conclusive in their favour, that he styles the hav Giun-al-Hafcife "; and Hafek (the Afikho of the Periplus) is the principal town in the bay at the prefent hour. Haiec " Al Edriffi calls it himfelf in another place, where he mentions only two illands. as Chartan and Martan; and fays, it is a fmall city, but populous, and the bay deep and dangerous. The four islands have now obtained the names of Halki, Sordi, Halabi, and Deriabi; and it is possible that some rocky or deserted islets attached to them may have caused them to have been reckoned feven; for feven they are in Ptolemy alfo, placed in the fame relative fituation between Fartaque and Ras-el-had, though not correct in their vicinity to the coaft.

XVIII. SARAPIS, OR MAZEIRA.

FROM Hafee, or Alikho, we have, first, a tract inhabited by a barbarous tribe ", not subject to Arabia but Perfis "; and at the dillance

"Bochurt lays, that by a change of the little and that Prolemy's Maphut is a points, he result Carian Murian for the Chartoo Mactau of Al Edriffi.

" Sinna Herbarum, Al Edriffi, p. 22. P. 27, he makes Hafee the city, and Al Hafeife the bay ; but are they not the fame name !

"Ifere Ptolemp places the Afrita, whose name he derives from hereig because they fail on floats imported on isnated daine; but the is giving a Greek dervution of an Arabick name. Bochart conjectures, with much more

corruption of Merlint, as it is written in Al Edvill, the C. Morrhat of our charts. Phaleg. 106.

in the at the toyether by talks be going and ve Zucce, condered by Hudfou, Honeubi ex lupurais locis prateracchis fueris : but at when means keeping off there by a direct courie, in opposition to repersifyen, or fall. lowing the head of the coatt.

"This is no more "assumbingry man that probability, that they are the innahigants of the fovereigns of Arabin should have territories diffance of two thousand fladia from the Islands of Zenobius, another island called Sarapis. Sarapis, it is added, is an hundred and twenty fladia from the coast, two hundred stadia in breadth, and contains three villages, inhabited by priests, or recluses, of the Ichthyophagi, who speak the Arabiek language, and wear girdles or aprons made of the sibres of the cocca. Plenty of tortoife-shell, and of a good quality, is found here, on which account it is regularly frequented by the small vessels and barks from Kane.

If we should now confult the chart, and examine the fize of this island, and its distance from the isles of Zendolus, which we may estimate by the stadia at about two hundred miles, we identify it to a certainty with Mazeira; for there is no other island of this fize, or at an hundred and twenty stadia from the coast, or perhaps expable of containing three villages, any where to the westward of Fartaque, or the custward of Ras-el-land. It must therefore its between these two points, and precisely aftertain, that we are pass the one, and not yet arrived at the other; and likewise, that the isles of Zendolus must, by their distance and relative fituation, be the Coria Muria of the present day, notwishstanding their distancement in point of number.

Mazeira is well known to modern navigators: its fize and fituation are fufficiently afcertained, and there is a channel." between the island and the main, through which English ships have passed.

torins on the scatter! Africa. In Frichele's time, the flenk of Ann Schule, or Hollers, in Perfor, we made of redesing on the weatern coun of the Guiph of Perior.

the same of the Count Polits) we far for a I can be say (fall mentioned in this works) Purp

And planted a property. Chart is still made of the flower of the many observer the braves allowed a faithful to the property by doubted a flower of the flower.

" Chirald Varieties, pp. 1572 1614

D'Anville

D'Anville has supposed that Sarapis is the same as Mazeira, without confidering that if it be so, it is to the well of Rus-el-had, and that therefore his Syngros, which is fixed at Ras-el-had, cannot be correct.

XIN. ISLANDS OF KALAIUS, OR SUADI.

Upon leaving Sarapla, we have another diffance of two thousand fladia, and then another group, called the Islands of Kalaius. The diffance is too thort ", but the islands are those of Suadi or Swardy, which lie between Masket and Sohar, and which, according to McGuer", are formed into four ranges for the space of seven leagues, with a clear passage between them. In assuming these islands for those of Kalaius, there can be no error, for the language of our author is precise; he says, that as you are now approaching the Gulph of Persia, keeping close" round the coast, you change

the

four how illustic that is two hundred unless from the could, can be faid in the one hap of the continent, is not enty to conquished. It proposes to recently a manufacture of the could be supply to the could be read to the country of the could be read to the country of the cou

[Proceeding on your course from Sample] you wood course with the appropriate course the the north; and so approach to ourse the softman of the Couple of Period, at the dolling of the office of the photosomer double [from largest] you safe a group of the object of the largest of the outer of

I imagine that expression we have examine be rendered better than by infaithing the allenda-

I floud real spends for heganic for thingh I have figgeded concernes. I have write contined in an element of the text.

[&]quot;Odemil Norigina, p. 181. & 175.

A Bigure Zen A etc (paire insert in province AFA TOM The majorith from the and a before more in a majorith of them Stockhold Karlin to paire size, explicate sale, legislate more and majorith of sale, legislate more and majorith of sale.

Thus tunbond by Hudam;

In any sures with a configurate, at the remember, purposed on many Period is fally judget, and quar need purpose. Cabal lefular fields, quar fees his male disdurant succession a configurate family deputies.

the direction of your course to the NORTH. This is literally true at Ras el-had, and no where else on the coast; for Ras-el-had is the extreme point east of all Arabia; and as soon as you are past it, the coast falls back again to the north-west. If we could reckon the two thousand stadia from the point where this alteration of the course takes place, that is, from Ras-el-had, the distance also would correspond.

After arriving at these islands, if we should review the whole course from Fartaque to Ras-el-had, there is nothing to interfere with the general statement, except the mention of Omana and Moskha; and no single point ought to stand in competition with the whole. At the distance of eighteen hundred years, it is dissiduent to say whether the obscurity lies with us, or the author; one should rather acquit the author, who is so correct in other respects, and look for a solution from some future lights, which may appear, either from a better knowledge of the coast, or from some better readings of the commentators, considering that the copy which we have is certainly descrive, and that no manuscripts are to be expected.

islands as a tiple in a range." Perhaps it thrould be read encouraginary and thus is the precise diffication of McChare. In may be read effice with it is no read April of the first of as you are real approaching the Gugas of Perfect to the other in and I place a common of anything for the other to make it expressions the Otherse from Saulpie. But it is no joined with the final straight it must be rendered, it the liftened of Kamers, which is the a range of your chaptened further also for any of This is not true; mention and the first the force

leagues of McCluer, or one and theory miles to two hundred. However, the figure literally, to keep older to the flows, to follow also makeys of the flows. But sharever doubt there may be concerning the contents of the whole pallage, nothing can be more plain than this one discussificates, that the course of the mysey is abunded here to the ACR TAL, and this patternile can be true may as Z as alshad. This is the truth or have been few ching they and I shink the pasternile course of a sectual section.

The natives, on the main opposite to these islands, are said to be treacherous, and their vision to be defective during the light of the day! what the latter circumstance may allude to, it is not material to inquire, but their treachery is natural if they are Bedouin Arabs, as Lieur. Porter is says they were to his time at Sohar, and not civilized in their behaviour to the people of his boar.

XX. ISLANDS OF PAPIAS.

We have now the Islands of Papias, and the Pair Mountain, with the entrance of the Perlim Gulph: for the first, we must look to two or three small islands on the coast, beyond Sohar, towards the north; and at the last of these the Journal places the Fair Mountain, which would answer sufficiently to Cape Fillam, if that be high land; and not far from Fillam are the Straigs.

It is not improbable, however, that the Islands of Papias may be the Coins, which he immediately off the entrance of the gulph; for, in a letter of Lieur. McGuer to Mr. Dalrymple, he writes, "the Great Goin . . . lies in lat. 26° 30' of north . . . and there "are four other islands between this and Cape Muffeldom, all of "them smaller than the Great Coin, and none of them inhabited . . . "Belides these, there are seven others close in, which are not easily "diffinguished from the Arabian shore." But the determination of the question will depend upon the position in which we view the islands; for they seem to be within Mogandon, while those of Papias precede it. We must likewise find a place for the Fair Mountain between them and the Cape, for which there seems hardly space sufficient.

" Oriental Navigator, p. 127.

XXL SABO, ASABO, OR MOÇANDON.

Ir is well known that Maçandon is represented in Ptolemy by the black mountains called Afabo, the promontory of the Afabi; and that Sabo fignifies South, delignating, as it should feem, in the mind of Arabian navigators, the extreme point fouth of the Gulph of Perfia. A tribe is also noticed in the neighbourhood, which is called Macæ both by Ptolemy and Arrian; and in Macæ we obtain probably the rudiments of Moçandon which we have from the Portuguese. But the Ocientalists give a different etymology, and inform us, that Mo-falem is the Cape of Congratulation.

Moçandon is of valt height, and frightful appearance; it forms, with Mount "Ehowrs, or Elbours, on the opposite there, the entrance to the gulph, which is near forty miles broad, estimated at fixry in the Periplus; and Elbours is called the Round Mountain of Semiramis: it is round in fact, and has its modern name of Elbours from its supposed resemblance to the Fire Towers of the Guebrus or Parices.

Moçandon is a fort of Lizard point to the gulph; for all the Arabian thips take their departure from it, with fome ceremonies of tuper-fittion, imploring a bleffing on their voyage, and fetting affoat a toy, like a veilel rigged and decorated, which, if it is dashed to pieces by the rocks, is to be accepted by the Ocean as an offering for the escape of the veilel.

Whether the author himfelf paffed this cape, and entered the gulph, is very dubious; from the manner of the narration, I thould conclude he never entered the gulph; for he mentions only two particulars within the firsits, and then introduces the paffage acrofs the open fea from Arabia to Karmania.

[&]quot; Thefe two mountain opposes, and the Ownir and Kufar of Al Edriffs, p. 4.

XXII. TERÉDON, APOLOGUS, er OBOLEH.

Bur the two particulars noticed are remarkable; the one is the Pearl Fishery, which extends on the bank great part of the way from Moçandon to Bahrain; and the other is the fituation of a town called Apologus, at the head of the gulph on the Euphrates, and opposite the Fort of Palinus or Spasinus. There can be no hefitation in adopting the opinion of d'Anville, that Apólogus ia Oboleh, upon the canal that leads from the Euphrates to Baira; for Oboleh is figuated, according to Al Edriffi and, at the angle between the canal and the river; and he adds, that the canal covers it on the north, and the river on the east; confequently, this is as nearly opposite to the Fort of Pasinus, as the canal is to the Haffar River, which communicates with all the mouths of the Tigris and Euphrates.

Apólogus is Greek în its external form, but much more properly deduced, as d'Anville observes, from Oholeh, which, with the strong oriental afpirate, becomes Obolehh or Obolegh. We may confequently affume this for a proof of its existence as a place of commerce at so early a period, when it had probably taken place of Terédon or Diridótis, as Baira took place of Obolch under the fecond Caliphate " of the Mahometans; but that Oboleh continued a mart of confideration long after the building of Bafra ", we may

[&]quot; T. 151.

Afailleda Redis, p. 113.

[&]quot; Al Edville mentione Bairs fufficiently: but in his general description he tays, Ab mari Sin dezivatus mare Vinide, uftige finne ad Ohollam prope Abadan, Ibiq; reminatur; PPOBER-

More Viride, - - the Perfin Sea,

Mare Palvum, - the Catping.

Mare Candidum, - the Propunting Mare Nigrum, - the Eurine,

Marc Venetum - the Illor Sen, as Mediterranema.

Why do we difpute to much about the marr Rubrum ?

be affored by Al Edriffi's making it the termination of the gulph, as well as the Periphes; and Oboleh, or a village that represents it, fill exifts between Baira and the Euphrates; the canal also is called the Canal of Oholeh.

Teredon had been a city of great trade from very remote times i that is, from the age of Nelmehadnezzar to the Macedonian conqueil. It feems to have continued to till the time of Augustus, for it is mentioned by Dionyfius "; deferted afterwards, perhaps, from the failure of water in the Khore Abdillah, or ancient mouth of the Euphrates, and replaced by Oboleh, probably during the dynasty of the Arfacides. The Babylonians, who commanded the river from the gulph to the capital, doubtless made use of it as the channel of Oriental commerce; and the traffick which had paffed by Arabia, or by the Red Sea, through Idumes, to Egypt, Tyre, and other places on the Mediterranean, was diverted by Nebuchadnezzar, after the deflruction of Tyre, to the Perfian Gulph; and through his territories in Melopotamia, by Palmyra and Damafous, it passed through Syria to the West. After the conquest of Babylon by Cyrus, the Perfians, who were muither navigators to the Eaft, nor attentive to their frontier on the well, fuffered Babylon, Ninevels, and Opis, to fink into ruin; the course of trane, therefore, returned to Arabia on the fouth, to the Carpian " and Enxine on the north: Idumés became again the refers of the caravana; and Tyre role out of its athes, till its power enabled it to maintain a fiege of eight menths against Alexander, in the earcer of his victories.

of Priorytins is faid to be the section of Atherin, the dawn the Puris, or Anthrone. into the Louise , in Juffallor's ringe, by Dublos, a country eight dury from Thomographic in Crimin, where the trade from Ludia, theyries and Perlit, ment the Roman merchants. Procession de Rello Perilar, po 149-

Eratofferen's Gregory's H Lo, it is him. quire a preset that it did call in his time

See Sirelin, p. 500. The trade pulled by the Owns late the Carpine Ses, and from the Calpins up the Cyrus and Anton into

MAIII. ORIENTAL COMMERCE BY THE GULPH OF PERSIA.

What views this Conqueror had after his first victories, we can only conjecture; but after his return from India, we may be affured that his comprehensive mind had embraced all that vall system which was afterwards completed at Alexandria. His successors, the Ptolemies in Egypt, and the Seleucidæ in Syria, were rivals in this commerce; Palmyra Damaseus, and Antioch, all lie on the line of the caravans from the Persian Gulph; the Caspian and the Enxine were again frequented, and the commerce on this side enriched the hingdoms of Brusias, Attalus, and Mithridates; while the navigation on the Indian Ocean, built upon the same foundation, made Alexandria the first commercial city of the world. Egypt, maintaining its intercourse with the East, in the first instance by means of the Sabcans, and finally, by sieets sitted out from its own ports on the Red Sec.

It is all be foreign to the perfect work to provide the Imposey into this commerce, as carried on by land on the worth. But it feems to there existed in the sine of Herodotta, who must make the first on the Engine conducted by interpreters of fever different languages in the time of Mich filates. The different nations met at Dion tries in Colchie; and, in the surfering of the Romas power in that country, there were the interpreters of the languages what force; but now, the Plany, the cary is different; that is, in Plany's age.

so at the later before the same of the

* Marrian Here been, Hindlin, p. 64 fore, that The Olimer with a continuous O with in Gargo, by, and Exercitions acqued him with the

Therefore the a Continue for an Append of

It is all to foreign to the prefers while the Romans would not fuffer the Partham, selve the improve min this commerce, as or any of the northern mittons, to triffer by the Edwine, but confined the whole triffer by the Edwine, but confined the whole triffer to examine in the same of throughout the whole triffer to examine in the Edwine of the whole triffer to the Edwine, but confined the whole triffer to examine in the Edwine of the whole triffer the Partham, and the mortifer the partham, and the partham, and the partham and the partham, and the partham, and the partham and the partham, and the part

Diofesician was on the Authoratic one of the street that come out of Councilia largethe Edulate

Diplomis was called Sebulopolis in Advian's time, and the fact fortification of the Russes require. Action, who villed it, rections archive of its trade. Action Periplies Maris Errimia, p. 18. I first nothing of the Authority but the Phalia was navigable for thirty-eight unless Second Periples Eux. Sets, Fracilon.

In the following ages, the dynasty of the Arfacidæ divided these profits with the Romans; and in the decline of the Roman power, the revived Perfian dynasty assumed such an ascendancy, that in the time of Justinian the Romans had recourse to the powers of Arabia and Abyflinia, to open that commerce from which the Perfians had excluded them; and when the Perfian dynasty funk under the power of the Chaliphs, the Mahomedan " accounts of the plunder found at Cteliphon, prove the full polletion of the Indian commerce by the Perfians.

XXIV. CAIRO.

UPON the erection of two chaliphates, one at Bagdad, and the other at Cairo, the commerce of India was again divided; but the greatest part of the precious commodities which reached Europe, came through the hands of the Venetiaus from Alexandria, till the Genoele opened the northern communication again by means of the Euxine, the Caspian, and their settlement at Cassa in the Crimes.

nian's application to the king of Abyffinia to obtain the importation of file; but the Abyl-Colous could not effect this, the Parchiana [Perfiam] having leized on the empone. Paolico, p. 36.

When Hernelitts took Destagherd, thu palace of Chiefron, be found in it along along wood, muture, filk thread, popper, welling, or mullin frocks without number, forgir, gin-

Procopins, life i. e. to. mentions Judis ger, filk robes, wave carpett, embroidered curpets, and building. Cedresus, p. 418 --Mendie Indicate Glyms, p. 270. who gives the fine billary of procuring titlewerms as Procopius.

> When Sail, the general of Omar, took Ctelephon or Modain; the surper is particularly mentioned for Abilitals Reiber, 70 ; but

other particulars are smittell.

CRUSADES.

In the eleventh and twelfth centuries, the Crufades opened to the eyes of the Europeans the fources of this Oriental wealth. The loss of the kingdom of Jerusalem enabled them to discover, that the power of Saladin was founded on the revenue derived from the commerce which paffed through Egypt; and the work of Marin Sanuto "io is a Memorial prefented to the Pope, and the principal fovereigns of Europe, in order to infirmet them, that if they would compel their merchants to trade only through the dominions of the chaliphs of Bagdat, they would be better fupplied, and at a cheaper rate; and would have no longer to fear the power of the foldans in Egypt,

What those sovereigns did not, or could not do, was effected three centuries later by the discovery of the Cape of Good Hope: to this discovery Europe is certainly indebted for the decline of the Turkith power, which at that time threatened the whole Western

This corious work is intered in the one of the princes: if for I imagine it contains Gells Det per Francos: it is highly interelling, both upon account of the commercial into Digence is contains, and the alers dighted speculations of the authors. Love the knowle ledge of if to Bergerin, who has cited it in his Petatife on Connected named to his collection of Versues, which is itself also a mail valuable work. The editor of the Gella Dei, ky fays, he had the Memorial of Samuto, in two MSS, copies, from Scaliger and Peta. vins ; that one of these was bound in which, and organizated with claffer, &c to us to affine him that it was one of the original copier, prefented by Samue himfelf to fome

the older may or the world at this day exitting, except the Pentingerine Tables 1 fire Maria Samura Bood in 12:4 His map, bowever, it wholly in the coulde form I but I conclude, built an une that he that programmed when in Pairmon. There is auntier Lives. Samuro, a prographer in the 10th century. whole work I have feen in the hing's Lithmer. but not examined ; it femres a suitable work for the age. In this Summo's time the hells. table built firsted again at Adem, where it was when the Rument delleged that may agen years before. See Mb. L 2 4. The whole + worth confultings

world :

world; and the various other important confequences which enfued, are too well known, and have been too well detailed in history, to require infertion in the prefent work.

Of the interior of Arabia we know little to this day; but that, notwithstanding the danger of robbery, caravans of great value traversed it in all ages, we have certain evidence to depend on. Previous to the Periplus, we have the testimony of Straho and Agathurchides; in the middle ages, the account of Al Edriss; and, in our own time, we want no other proof than the English importations at Jiddah, which reach Mesca at the time of the Pilgrimage, and from thence seem to be dispersed over the whole peninsula.

At Grane likewise, in the north-west angle of the Persian Gulph, there has been a considerable importation till within these sew years; and at El Catif, near Bahrain, which is the Gersha of the ancients, there is some commerce besides the returns for the Pearl Fishery; but with the progress of which, inland, we are unac-

quainted.

Somewhere in the neighbourhood of Grane was the feat of Abdul Wahab, who, with his army of deifts and democrats, has plundered Mecca within these three years, upon the same principle as his brethren in Europe demolished the Church of their own country, and with much the same event to the plunderers; for Abdul Wahab is said to have fallen by the hands of an assassin, as the first democrats of France have mostly perished in the course of the revolution.

XXVL GERRHA.

CHRRIEA is one of the few towns in Arabia that Pliny has enabled us to fix with certainty; for he comes down the wellern coast of the gulph, which, he fays, was never explored till vifited by Epiphanes; and which is linic known to any now except the natives : but Pliny, after palling the ifland of Ichara, and one or two obscure places, mentions Gerrha as a city five miles round, and the walls or towers built of fossil " falt. This is a circumflance true (I think) only at Ormus and El Katif, which, added to the fize of the city, afcertains its identity. It is necessary to be particular in this respect, because the Gerrheans are the first conductors of the caravans upon record; and it is highly probable, that long previous to history they enjoyed the profits of this traffic; for Agatharchides 113, who first mentions them, compares their riches with those of the Sabeans; and adds, that they brought much wealth into Syria, which was at that time fulfied to Ptolemy; and furnished a variety of articles for the induffry of the Phenicians. By this we underfland, that they croffed the whole peninfula to Petra in Idumés, from which city we know that the intercourse was open with Tyre, Phenicis, and Syria. Strabo " informs us, that they were the general carriers of all the produce of Arabia, and all the fpices, or aromatica; but he adds likewife, that Ariftobulus contradicts this, and fays, that they go up the

Strong allo, lib, xet, p. 766. Charge had the fame of full falt, Plot xxet, 7.

Haddan Grog. Min. A gather bides, p. 64 increasing and resident for the factor of the last Asia, and resident for the factor of all the precious commodities of Alia and Europe. "Applies parise out of Application of the re-Applies parise out of Application, Life, and, p. 769. The Gerrheam are the proveding metricants to carrying, and bring the produce of Arabia, and the spaces of India. Euphrates in boats, to Babylonia and Thapfauns, and from thence difperfe their commodities in all directions by land. Both thefe relations may be true, as applied to different periods, in confequence of the oblimitions they might meet with in their courie, from the different powers of the feveral countries through which they were to pale "in

The Gerrheans, we may naturally suppose, from their situation in the Gulph of Perfia, and from their proximity to the opposite coast of Persis and Karmania, would lie more convenient, and more directly in the route of communication with the East, than any other tribe. And, as Agatharchides fays, that the Mineans and Gerricans both met at Petra as a common centre, we have two routes across the peninsula, correspondent to the two forts of commerce, which ought naturally to pair in different directions: for from Gerria, the produce of India; and, through the country of the Mineans, the frankincente of Hadramant; would regularly be directed to Idumea.

MINEANS XXVII

THE fite *11 of the Mineans is not easy to fix; but by a comparifon of different accounts, they were fouth of Hedjaz, north " of Hadramaut, and to the callward " of Sabia; and they were the carriers to all these provinces: their caravans patfed in seventy days

the Ben All Edition by Sales " Bochart Phaleg. p. 121. places them at Carmy I Managalla, supposing it to be the Carna Minus. Play, vi. 28. or Carnas of Pinys. Pealency places them Donylins places the much further fouth. Carno I Managan is but I think Disaying stone.

three flations for had Mecca. Al Edrillic " Atrimità in Mediterracco Junguatura

[&]quot;Disnying places them on the coult, but

from Hadramaus to Aila, as we learn from Straho "; and Aila in but ten miles from Petra. The commodities brought by this caravan would be aloes, gold, myrrh, frankincente, and other precious gums or atomatics; while those from Gercha would consist of costons, fpices, and the produce of the East.

As navigation encreased on the coast, this mode of intercourse, and its profits, would naturally diminish. When the Prolemies fent their fleets to Sabea; when the Greeks, Egyptians, or Romans, reached India by the monfoon, the greatest part of what had passed through Arabia would be diverted into a new channel; in the same manner as the discovery of the Cape of Good Hope ruined the commerce of Alexandria. But that fome intercourse existed, and that some caravans traversed Arabia, both in the middle ages, and do traverse it even to this hour, is a fact that cannot be disputed.

After the conquest of Persia by the Mahamedans, a road was made across the whole of the peninsula, from Mecca " to Kufa : It is reported to have been feven hundred miles long, marked out by diffances, and provided with caravan ferals, and other accommodations for travellers. Into this road fell the route from Bairs, and from El Katif or Gerrha. The province of which El Katif is the capital, is called Bahrain " by Al Edrilli, from the two illands of that name which are the principal feat of the Pearl " Fifhery. He speaks of El Katif as a confiderable city in his time; and he gives the routes

[.] Lift xin p. 768, the time forme in ex- pulls, for 700 miles. See Cibbon, v. 409. erfer but us the diffence is taken from Hadra- the road was made by Ot Madi Khaliph, anno must to Aila, it may me exceed the proper- Figure (6), the past goes in circum days: tion of 60 days from Mines to Nors, steribured

or From Meets to Bugday, according to Ablifeda Reilke, p. 154 wells, lakes, mile-

in Balwain, in Arabink, figurian the two

w Tyles margaritis celeberrane. Plia. vi.

from it fouth to Sohar, north to Baira, and well to Medina "; the country on the fide towards Baira is a defert feldom frequented by merchants, without villages, and inhabited only by Bedouins. But the route to Medina fells into the road that leads from Baira; and both Baira and El Katif are at equal diffance, that is, twenty flations from that city, where is the fepulchre of Mahomet. The road from Baira falls into that from Kufa at Maaden " Almocra. I mention these circumstances, in order to shew the communications with El Katif, or Gerrha, in the middle ages; because they cannot be diffimilar from those which were open when Gerrha was a centre of Oriental commerce; and the route which led to Medina requires only a little tendency to the north, to make it the ancient line of intercourse between Gerrha and Aila, and from thence through Petra " to Egypt, Tyre, and the coasts of the Mediterranean.

XXVIII. ANTIQUITY OF ORIENTAL COMMERCE.

So far as a private opinion is of weight, I am fully perfuaded that this line of communication with the East is the oldest in the world; older than Moses or Abraham. I believe that the Idumeans, who were carrying spices into Egypt when they found Joseph in their

or There is menther some supposed to be intimated in Strabo, from Gerrha to Hadramant's but the sending, sustend of replies, in faction, which, Salmasius tays, ought to be regard, from Gaza in Hadramans torty days. If this were so, it contradicts another passage of Strato, where he says, the Minimat were seventy days in going to Plana, which is a less different. It seems highly probable that the

Gerche are meant in this place; for, us they were general carriers, it is probable they went to Hadramaut as well as in other directions.

A Bulea ad Medicam voginti flationes et biec via coincidit cum exponitate Eufa, prope Madden Allocca, p. 121.

"Petra was only ten miles from Ada, Buchart Pholog, 686.

way, obtained these spices by this very raute. And if it is agreeable to analogy and to history that merchants travelled before they failed, there is no course from India to the Mediterranean where so small a space of sea must be traversed as in this direction. Karmania is visible from Arabia at the straits of the Gulph of Persia; and in the infancy of navigation, the thortest passage would be preferred. The interior of Arabia, in all ages, centained Bedouins, whole profellion was robbery; but the different tribes of robbers probably received a caphar inftend of feizing the whole; as they do to this day of the caravans which pais between Bairs and Aleppo. They are likewife not fond of fighting for the whole, when they can obtain a tribute for a part; and necessity would compel the merchants of those ages, as well as our own, to go in large bodies, and provided with arms for their defence. The manners of the Araba have never changed; and it is reafonable to conclude, that merchants who have to treat with Arabs have changed as little in their precautions. Pliny " has preferved the memorial of these usages in the fouthern part of the peninfula; and there is every reason to conclude that they existed in all ages, before his time, as they do to the prefent hour.

It was to obviate these exactions that plans were formed to open a communication by fea. The Tyrians, as the principal merchants on the Mediterranean, and as the intermediate agents of Ociental

to He decimes Den, . . . regi vertigal, . . canis penditur. - I appeal to every English

flaterdottline parties as, ferthinger regum traveller, who has ever pasted between flates. fed practer bee, et cultudes, fatellitefent & and Alippo, if the is not an exact piliuve honizin [Officell] popularine. Jam quacum of the extertions profilled upon a carsener que ster est, alumi pro squa, abidat pro pa- and yet carsens full pale, and stall sands a ballo, and pro mantionibus, surafique portorils profit on their merchantitre—the confirmer pendant . . . iterunque imperii nottri putili- pays for all.

commerce, either first conceived the idea, or derived it possibly from the Egyptians, whom we must suppose to have had an intercourse with India whether history records it or not. The first historical account we have it, the trade of Ophic. The alliance between history and Solomon was indispensible; for Solomon was master or Idumés, and the Tyriaus could establish themselves at Enion Geber only by his permission and affishance. Solomon furnished the opportunity, and Hiram the ships; the profit accrued to the partner-ship; and if this voyage were made to Ophic in Arabia, where it is universally confessed there was an Ophic, even by those who search for Ophic in Africa and India; such a voyage would at least obviate all the exactions attendant upon a communication by land, and place Hiram and Solomon in the same figuration as the Prolemies shood, before a direct communication was opened between Berenike and the coast of Melabar.

This rapid fletch of Oriental Commerce in all ages, as far as it can be traced upon historical evidence, is no digression, but an effectial part of the work I have undertaken: my object has been, not merely to clucidate the Periplim by a commentary, but to trace the progress of discovery to its source; a subject curious and interesting at least, if neither useful or lucrative. But to know what has past in remote ages is the purpose of all history; and to collect, from a variety of sources, such intelligence as may enable us to distinguish truth from falschood, if it has not the dignity of history, has at least a claim to approbation from those who know how to appreciate the labour of research, and the fidelity of investigation. Much that has been said may be controverted in particulars, and yet be correct upon the whole. I am not conscious of any preconceived system.

fullen in my own mind, but have raised a superstructure upon the foundation of historical facts: these I have not warped, in order to accommodate them to an individual epinion; but have followed them wherever they led. I claim little merit but in concentrating these to a point; and if the same evidence should not produce the same conviction on others, I should as readily give way to these who are possessed of superior information, as I should maintain my ground against those who are pretenders to the science.

XXIX. CONCLUSION.

Ir is now necessary to bring this Book to a conclusion, in which the courte of ancient navigation has been traced from the Gulph of Ails to the mouth of the Euphrates ", embracing the whole feacoast of Arabia on its three fides. The author does not appear, from the internal evidence of his work, to have perfonally explored the eathern could of the Red Sea, or the western there of the Gulph of Perfia: he feems to have come down the Red Sea from Myos Hormus to Okèlis; or perhaps from Leuke Kome, but to have touched little upon the coast rill be came to the Burnt Island. On the fouthern coult of the penindula we can trace him, at should every step, to Fartingue, and to Rassel-land; but from thence har feeins, without entering the Gulph of Perfia, to have firetelied overwith the monfoon, either to Karmania, or direct to Scindi, or tothe Gulph of Cambay. At those points we find him again enterings into those minute particulars, which hospeak the descriptions of an eye-witness; while, of the parts provious to these, he speaks in to

transient a manner, as to create a belief that he writes from the report of others; but on this question it is not necessary to decide, the reader must determine for himself. On the two coasts of Arabia which he has touched but flightly, I have endeavoured to fill up the outline which he has fketched; and on the third fide, where he has entered into detail, I have endeavoured to follow him, flep by ftep, as minutely as I have been able. But if the interior of Arabia is a defiderarum in Geography, the coast likewise is far from being accurately defined: no thips from Europe now vifit it for the purpose of trade; and those which come from India to Mokha or Jidda, feldom touch upon the coast towards the ocean, unless to obtain provisions when in diffres. What information may be obtained from the English cruizers which have lately been in the Red Sea, and were at one time preparing to fortify Perim in the Straits, is expected with a great degree of curiofity. Commodore Blanket, who was upon this fervice, was an officer of much feience and great experience: he may have ordered furveys upon this coalt, or fome examination of it, which may clear up feveral of the difficulties which remain. In the mean time, I have made use of fach lights as are afforded by the papers and journals of the officers of the East India Company, and which are collected in the work called the Oriental Navigator. Those who know the abilities and science of those excellent officers, will think their observations might have been fufficient for fuch an examination as I had inflitured; but ancient navigators kept much nearer the coaft, and noticed objects which are of fmall importance in the present flate of the frience. A minute particular often forms a characteristic of a port, a bay, or a shore, which we cannot hope to find in the common observations of modern

modern officers, nor elfewhere, unless when an actual furvey has taken place. In the voyage of Nearchus, as my own knowledge increased, I constantly found a greater correspondence in his Journal with the actual state of the coast: I have not been * quite so fortunate in the present instance; nor do I think the author of the Periplis to be compared with the Macedonian commander, but still he is, as Vossus says, the only ancient author who has given a rational account of the countries or coasts he has described; and in this, if

WP.

ADDITION'S.

. Sir Home Popham's Chart of the Red Sea, which I obtained after the prioting of this there, radium me to recall this affertion in forme degree a for in that chart a plan of the harbour, and a view of the town of Aden. is given, which identifies it to demonstration with the place called Arabia Felia in the Periplin. " It lies," fays the anthor, " twelve sa hundred Startin from the Stenire; it has very " convenient mechanige, and affords excellent " water ; and it is fit intend jud at the encounce of of the bay, to us to remain dilling, and in some measure separated from the country w slung the more." [To ex goin feetoyen.] Now, a reference to Sir H. Popham's Chart prefents us with a peninfula, joined to the main by a very narrow neck, and adjoining to a river, which may afford the tupply of water alluded to a and if Arabia Felix was placed on the waitern, inflend of the callern point of the permitula, where Aden now fiends, it would sic at the very entrance of the buy, as is specided; the difficulty, likewife, of approach to it from the adjoining could, is fufficiently enfured by the introuncin of the seek. The diffusee from the firmts is also accurate, within from miles-

COLLECTIONS

P. 275; note 113. Negra is not Ners, but Nojeran. See p. 277; note 118. And, assembling to the Roman Manyrology, St. Arribas was put to death at that place by Dunasa, a few, and king of the Homerites. His crucky is noticed in the Koran, where he is called the Lord of the Fiery Pita. Elethans, the king of Ahyllinia, revenged the death of Arethas, conquered the Homerites, and put Dimain to death.

P. 193. The Straits of Bab-el-Maudeb are fail to be fix miles wide; but in Sir H. Popham's Chart they are only two miles.

P. 290. In the Table for the Coaft of Arathie, I fee with comem a confiderable differrence in the latitudes there given, compared with thuse of Sie H. Poplane's Chart. I had followed the best authority I knew of but they must now be confidered as relative, and not real determinations.

P. stail

we are able to purfue his steps and elucidate his narrative, it is the performance of a fervice as gratifying to the curiofity of the Learned, as acceptable to the fcience of Geography.

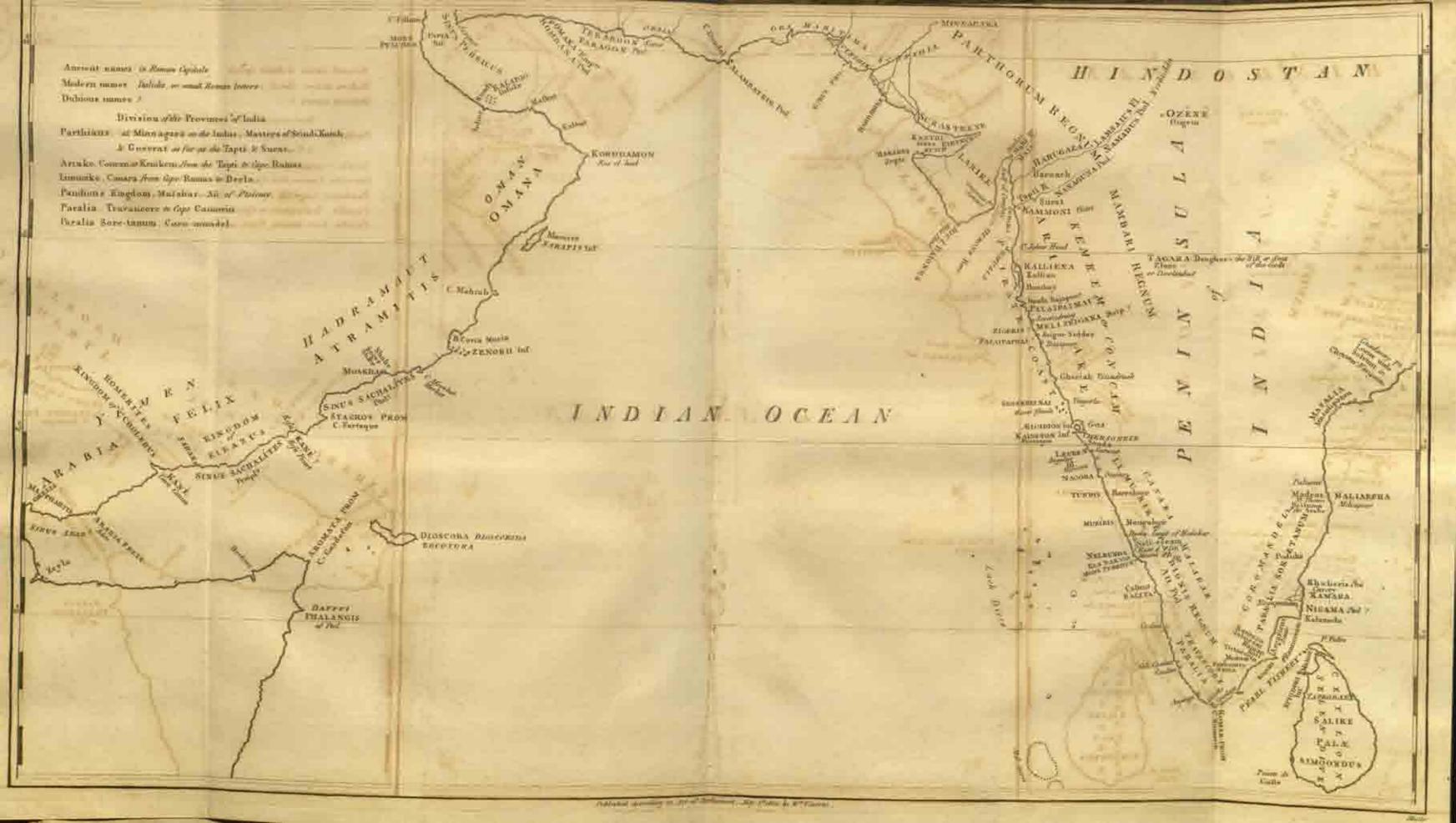
ADDITIONS.

P. 111. Karddamen is supposed to be Rusel-bad, as it is the exiteramon point of Arabia in Punlemy ; and he form would appear Grenk, If we could find in that language Kanan, or Kapes or Kapes, equivalent to the Larie Corns or Caurm, for then it might be the point that terminates, or falilies the outlerly monfoon, as Gardefan feparates the two monfoons on the could of Africa ; but Kips is not the name of a wind in Greek; neither am I informed whether Run-el-land fepurates the monfoque

CONSECTIONS.

P. Six, his so 'The Bay Sachalites, mentioned berr, looks in if the author of the Peripilis had two turns of the fame mime, prior and alterior, as Al Edvill has a but there is no collateral proof of this.

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TERKLINGE The second section of the section

PERIPLUS

OF THE

ERTTHREAN SEA.

INDIA.

BOOK IV.

- 1. Introduction.—II. Courfe from Oman in Arabia up the Gulph of Perfia, or to Karmania.—III. Omana in Karmania.—IV. Caurfe to the India.—V. Sciudi, Minnagara, Barbarike.—VI. Gutch, Guzerat, Barugaza.—VII. Kingdom of Battria, Tagara, Plithana, Ozene, Dekan.—VIII. Ariabie or Concan, the Pirate Coaft, Akabaroos, Oopara or Shpara, Kalliena or Bombay, Semulla, Mandagora, Palaipatmai, Meliusigara, Toparan, Turannae-boas, Sefehreienai, Aigidii, Kaincitai, Leuki.—IX, Limbrike or Canara, Navora, Tundii, Nelkundo, Ela-Bakare.—X. Kingdom of Pandion, XI. Hippalut, and the Monfuon.—XII. Balita, Comarci, Kolkhi, Pearl Fifhery.—XIII. Coylon.
- 1. THE productions of India, and the Eastern World, are not fought after with greater avidity at the prefent hour, than they were by the inhabitants of Europe in the temotest ages, and all the nations which encircled the Mediterranean. Luxury this was called by the philosophers and patriots both of Greece and x x 2

Rome. But if every thing that is foreign is luxurious, there could be no commerce in the world; and if every thing which is not strictly necessary for the support of life be superfluous, thirst might be fatisfied without wine, and food digusted without the addition of a relith. In this view, the most ordinary accompaniments of the table should be discarded; and fult and pepper should be enumerated among the gratifications of a fenfual appetite. But if both are flimulants, fill they are no lefs falutary than grateful; and no reason can be given why salt should be considered as sacred at the table of the Greeks and Romans, while pepper was condemned as the indulgence of a voluptuary; unless that the one was a domestic produce, and the other an exotic. But harbarians were not to be enriched at the expense of Europe, and the Roman world was not to be impoverified for the attainment of Oriental luxuries ;-certainly not, if the fword could retain as callly as it acquires; but the wealth acquired by rapine must of necessity revert again into the channels of commerce; and commerce, whether it tends to the East or to the West, will impoverish every nation which has no native industry to replace its demands. Rationally speaking, all commerce confifts in the exchange of superfluities; and luxuries are as easily introduced by dealing with nations nearer home, as with those at a distance. There is as little reason for declaiming against the Alexandrians who purchased pepper in India with the gold of Egypt, as against the Athenians, who exchanged the filver of Laureum for the falt of Sicily or Crete.

FOI pepper Pliny fays. Ulum sjus mino climate efferie non finit fatis . et tanten posplaceoffe mircom oft fola placece amoris dere smitor et amom vel orgentum. Lib. nii. tudion et hanc in Indos peti e qui illa primata et 14. Fland. experici cibis voltin, eut sui in appetando ani:

Pliny complains that the Roman world was exhaulted by a drain of four hundred thouland pounds a year, required for the purchase of luxuries, equally expentive us fuperfluous; what would be have faid of the expenditure of our fingle ifland, confilling of two millions, for the purchase of tea only in China, without comprehending any other of our investments in the East? And yet this, and all the other luxuries we import, do not impoverith us; because we export on the one hand as we receive on the other; and, to far as we are the principal carriers between the Eaflern and the Western world, we fland in the fame lituation as those ancient nations held, which were the medium between India and the Roman empire, but with an hundred times more trade, more industry and capital.

As Providence has varied the temperature of different climates, for has it given to man a predilection for fach things as are not the produce of his native foil. The wildest tribes of America admit traders into their country, and allow them to pair through it with fecurity; the Scythians' likewise, according to the curlieft tellimony of history, fullered the merchants of the Euxine to penetrate farther on the eaft and north, than we can trace their progress by the light of modern information.

In civilized countries, this appetite increases in proportion to our

Hi & quingentien mur gogiegel lib: eff. et alirmumm militus. Plus vii 19. The \$3. que upod nos centuplicare veneum, ac. 764.700 h and again, his, air, ad, the his- of ifferedation on a proof of the converge, inlance against Rome for the produce of India. Seres, and Arabis, millies course millia fedregion. Scopace Limita nobil delicir et for- towards the murth, relative to the Dambra mine conflant. The prime roll of cargoes in the Emtine, the Palis Med'll. the Day, and India and Chies is now 2,000,000 L. Remell's the Wolgs. Historical by the commentary of birm- imred, p. 36.

See the forroduction to the Third Book dulley, and shillties, of the Greek merchania se well as at the extent of amount difference * Remedi, and difplayed with much humo-Tanta mortalibur futarum rerum fatietus and accuracy of invehigation.

knowledge, and the opportunity of procuring the variety which we covet. The indulgences of the palate are among the first stimulants of this emotion; and second to these is all that can delight the eye, or the mind, by novelty, heauty, variety, intrinsic or imaginary values Excells of Indulgence, avidity of policiling, profulion in acquiring, and wantonnels in uting, this variety of foreign articles, are both vicious and luxurious; but where to fix the limit between the use and the abuse, is a question more difficult to determine than we are aware of. Pliny condemns, above measure, the vanity of purchating pearls and precious from for the ornament of the Roman women; while he extols the works of art in feulpture, painting, and engraving, with all the enthusiasin of an admirer. But if every thing is luxurious that is not necessary to our existence, the ornamenting of a house is certainly not more uleful or more rational than the decoration of a woman. And If the works of art arm a Specimen of human abilities, pearls, diamonds, and precious metals, are the gift of the Creator; the things themselves are indifferent; the temperate" use of them embellishes life, and it is only the abuse of them which becomes avarice, prodigality, or folly,

The activity produced by the interchange of inperfinities, is the glory of commerce, and the happiness of man; but if its merits were to be fixed by the standard of utility alone, very narrow would be the limits within which the desence of it, by its warmest advocates, must be confined. Use we can discover none in the burning of the foil before an idol in China; and yet this practice of a nation at one extremity of the world gives bread to thousands at the other,

The post underflood this better than the color off, his amperus splendest usuphilasopher, when he find, Nallos argento

supports the mariner during a voyage of cleven thousand miles, and procures for Britain, by means of a native metal, what the must otherwise have purchased by an imported one.

Moral and philosophical reasoning, however, upon this question, has had little weight in determining the general practice and habits of mankind. The prevailing take implanted in our nature has made the pepper of Malabar, and the cinnamon of Ceylon, articles of request, from the time of Moses to the present hour; the finer spices of the Mosecas grew equally into favour, in proportion as they became known; and the more modern demand for the tea of China, and the fugar of the East or West Indies, will never cease, but with the impossibility of procuring either of those articles, by the destruction of all intercourse between the several nations of the world.

It has been shewn in the preceding pages, how the precious commodities of the East were procured, from the earliest periods that history can reach; and no revolutions of empire, either in the ancient or modern world, have ever been able to stop all the means of communication at once; the channels obstructed in one direction, have been opened in another. Tyranny, avarice, and extortion, have defeated their own ends; the monopoly of one country, as it grew intolerable, was transferred to others that were less oppressive; stuctuating generally between the Red Sea, and the Gulph of Persia; and driven sometimes to the North, by the exactions common to both. Such was the fate also of the last monopoly between Egypt and Venice, which, by its enormity, drove the Portuguese to the discovery of the communication by sea; and this channel once opened, can never be closed; the whole world are partakers in the benefit;

benefit; and Britain has the pre-eminence, only because she has the greatest industry, the largest capital, and the superiority of naval power.

It is a political confideration, awful to contemplate, and difficult to difeufa, but still necessary to keep constantly in view, when we rested how deeply all the interests of our country are concerned in the continuance of the pre-eminence we at present enjoy. Our possession in India are almost become a part of our existence as a nation: to abandon them is impossible; to maintain them—a perpetual struggle with the native powers, and the powers of Europe to support them. It requires all the vigilance of government, and all the vigour of the controusing power, to take care that the natives should not be discontented under our empire; and that the nations of Europe should not be outraged by our approach to monopoly. These considerations, however, are totally distinct from the commerce itself, and totally foreign to the object of the present work: I touch them only as they arise, and return with pleasure to the humbler office of a commentator on the Periphus.

H. COURSE FROM OMAN, IN ARABIA, UP THE GULPH OF PERSIA, es, TO KARMANIA.

We have now our choice of two courses; one up the Gulph of Persia to Bahrein and Oboleh, and the other across the open sea from Arabia to Karmania; where we arrive, after a passage of six days, at the port of Omana. This port manifestly takes its name from the province of Oman in Arabia, and was doubtless a colony of Arabs, established on the coast opposite to their own, for the purpose

purpose of approaching nearer to Scindi and India, or as an intermediate port on their voyage outward, and homeward bound. Whether the merchant, whole journal we are examining, ever went up the Gulph, or touched at the port of O'mana, is highly problematical. If he was there, he has left us but flender particulars of the place; but there are fome circumflances which induce a perfuntion, that he palled from Arabia, either to the Indus or Baruguza. at a fingle firetch; for, in the first place, he has fixed O'mana in Perfis, which must of necessity be either in Karmania or Gadrosia; and, added to this, his account of Orala, in the latter province, is too obscure to prove any intimate knowledge of the country.

OMANA IN GADROSIA.

O'MANA we recover a trace of in the Kombana", or Nommana, of Prolemy, in the province of Gadrefia', and in the bay he calls Paragon, to the eaftward of Karpella', or Cape Bombareck. have proved, in the Voyage of Nearchus, and in the former part of this work, that the Arabs had vifited this coast previous to all the navigation of the Greeks; but this O'mana is not mentioned by Nearchus, and was therefore a colony established between his time and the date of the Periplia. Its immediate reprefentative cannot be now afcertained; but its relative lituation may be affigued from

Kreelans, is the Greek expirer Noise only at Dagasien. sums, in the Latin.

pidam O'many quad priores arishum portum tam, furb as Baubarrek 4. The Lam and Carmania feeters. Lib. vt. 18. Pholomy does the fame; but Nearthus commences Kanasalia

Prolony commitmes writes this Kaepela, Diny makes it a dey of Karmania: Op- which, I think, figuries the Pierced Mounis Karpella.

Ptolomy, between the River' Iskim and Muckin; so that it must be in Gadrofia, and not many leagues east from Cape Jafk.

There is a regular intercourse between Barugaza and this port, which extends also to Obolch, at the head of the Persian Gulph, The imports confiit of

Brafs. Kunkusu.

Sandal Woods Bun Dayakiror

Wood fquared; perhaps Asxas doxory, Landahirur.

Horn. KERMTMY.

Φαλάγγια σησαμένων, Ebony in round flicks. Galayyar Efricais,

Except ebony and fandal wood, there is nothing appropriate in

this cargo.

But it is added, that a particular species of vellels called Madarate were built here for the Arabians, the planking of which was fewed together without nails, like those already described on the coast of Africa. Veffels of this kind, called Trankies, and Dows, are flill in use; and they were formerly built in Africa or Gadrolia, we may conclude, because Arabia furnishes few materials for the construction of thips.

The only import from Kane was Frankincenfe; while both" from Obolch and O'mana great quantities of Pearl were exported, but of an inferior fort, to Arabia and Barugaza; and belides this,

e undetermined. Lernalm fabet tre, beweber,

[.] That is, the Sares and Degrates. " hypothes, eaftly currented from Luda- mentioned by Comma APRILL.

herb. Salmaine tried to explain it, but left mos-

[&]quot;And decripe to better, from either fort. " Despite is evidently a corrupt conting. which I apply to Obo should Omant, because Wood of fome fort is meant, but telianum is a they were before princed at explorer value be-

Hoppups, - - Purple:

Imariones irromos. - - Cloth of native manufacture.

Oher. - -+ Wine.

- Dates, in large quantity. Doiler Taxile.

Xpuroc. -- Gold. - Slaves. LUMBER -

After leaving the diffrict of O'mana, the country " which forceeds belongs to another government; and there is a bay which is called the Bay of the Terabdi, formed by the coast trending inwards, in the middle of their territory.

IV. COURSE TO THE INDUS.

THIS Bay of the Terabil answers to the Paragon of Ptolemy, although there is in reality no bay on the coast. No extent is given to that of the Periplus; but the Paragon of Prolemy extends from Karpella to Alambateir, or Guadel. Doubtless this is an error ariting out of the form of the coast upon approaching the Gulph of Perfia; and if we suppose the ancient course of the passage from Arabia to Karmania to have been made acrofs, without approaching the Straits, the apprehension of such a bay is natural, This is the paffage indicated by the Periplus, fix days in extent; and may perhaps have miffed the author, as well as others, who followed the fame course.

In or near this bay, we are informed that there is a river which admits veffels, and a finall port at the mouth of it called Orais.

il to your good service line, as some superiors but there is force corruption of is realth applicate of their plants of the text, or fomething not early understand. Engagement X == h cirber omitted or under-

Main Il res Quantum grant ment, a my floods and is, I believe, the nominative to

The capital of the diffrict is inland, at the diffance of feven days journey, where the king relides, The country produces plenty of corn, wine, rice, and dates; but on the coast nothing except hdellium ".

These circumstances happen to coincide with an account given to Lieut. Porter, when he was at Chewabad ", on this coast; for a coast without produce he experienced, and the natives told him of a city feven days inland, large and walled: if therefore we knew where to fix the limits of our author's bay of Terabili, we should have something to direct us to a polition. The river feems like the Tanka Banca, or White River, of the charts; while Orain bears a refemblance to the Oritze of Nearchus; but to these it is hardly related, as the journal certainly intimates a great extent of the coast between Orain and the Indus; while the Oritæ of Nearchus are within hity leagues of that river. We find no Oraia in Prolemy; and if we are fill in Gadrofia, there is no place feven days infand which would answer to the Oraia of our author, but the Phoregh, or Poora, of Arrian. But on the whole of this, as we have so few data to guide us, it is fafer to suspend our judgment than to decide.

On the coast which follows, and which may be supposed to be the track between Guadel and the Indus, the description accords much better with the reality"; for we are told, that " there is a

" A gym. Sec.Plin, vil. 9.

" Chimbar. Lieut. Purtm's Micmoir, p. 8. in Mo Dairymple's Callection.

"The description sowers much better than that of Ptolemy, who has not line of coall from Alamboteir, or Guadel, to the band of the Bay of Kuitli.

at Blow of Konne is no introduction improved. palityres propalities on payers; Lander, way from close to Squar. This pallege, ill confirmated as it is, I trail I have rendered frishfully : managine, especifics materilly to a such salest's applied to an army, it mame, outflushing the whole a well is on immore may be " Mera M rooms who ways the vie design has faint of a buy, the head of which is to the only,

vall fweep of the fhore round the indenture of the bays, which have an inclination to the East; and, after passing these, a low tract of country towards the sea, called Scythia, lies on the north of the course, and which extends to the river Sinthus.

These bays are evidently means for those that are formed by the Capes Possem, Arraba, and Monze; and the bay immediately preceding Monze has a large sweep, to which, with the affishance of imagination, we may give a threction to the East, as its inmost curve is somewhat to the call of Cape Monze. It is added, that during the course from Monze to the Indus, the land is low, and lies to the north of the vessel that is passing to the East. This tract is now called Scindi; and the Scythia of the Periplus, wherever it occurs, is the actual Scindi" of the Oriental and modern geographers. Why the author writes Scythia, and why Ptolemy finds an Indo-Scythia in this country, has already been conjectured in the Voyage of Nearchus; where it was observed, on the authority of the Ayeen Actual, that the country is divided between the Hendians and Sethians. I am myself persuaded that this diffinction is

and the opening to the wart. But if we could design assume to the finds will not be very different, but the range of the could not difficult to comprehend.

with different in Al Coldff and the Opsental prographers, in Scient and Time; that it, Scienti son Hindustrat Scient comprebends the country on both stars to become and the lades stell in write- country Sind, with an S. which is perferred a the Sindian of the Periphts in the Small and Sindonnals of Ptolemy. The India acquires contact have whilly in continuous single stream; for between Moulian and Tatta, it is called Michigan Mckeno, and keine Kutch Mekran, the comity on the could well of the Mekran, and from
Kutch Remoth derives Gudrahin. There is
thewife another Oriental diffusions between
Host matrice, in which Historican Principals,
and Sot, or Chin, Cochin China. China elfowestern Chinary and Mr Chem. Great China
mean the country we new call China.—I
car lift not be difmith thin note without obfraing, that the Matrix of The Hankel is
the Chinary or Akeines the say to thin it
exists with other Oriental without his
multipolity fluids bugs.

original;

original; and that it is the cause of the error which has been adopted by Ptolemy, and other ancient geographers: but if this opinion is rejected, I should then say, that Scythia is a corruption of Scynthia, and that Scynthia is as precisely Scindi, as Sinthus is the Indus.

V. SCINDI, MINNAGARA, BARBARIKE

I SHALL collect the feveral particulars relating to Scindi, which lie difperfed in other parts of the Journal, to this point; for it is natural to conclude, that from the time of Alexander, and the publication of the Voyage of Nearchus, the Greeks had always confidered Patala as the Port to which they were to direct their views, in order to obtain the precious commodities of the East. I have every where allowed that, while the mais of the trade was confined between Egypt and Sabea, fingle thips, or individual merchants, might have reached India from the ports of the Red Sea. It is natural also to suppose, that the subjects of the Sciencida were directed by the fame inducements, while the Syrian Monarchy was in its vigour,-while it policifed Sufiana, Perlis, Karmania, and the whole eaftern fide of the Gulph of Perfia, and before it was weakened by the revolt of Parthia, Bactria, and the country at the fources of the Indus. The celebrated embaffies likewife of the Syrian monarchs to Sandrocottus and Alitrochades, the fovereigns of Hindoftan, probably embraced objects of commerce as well as empire; for those who found their way to the Ganges, could not be unacquainted with the profits to be derived from the commerce of the Indus.

The first " skip that coasted round the peninsula of Arabia from the Red Sea, or that retraced the steps of Nearchus back again from the Gulph of Perlia, would naturally direct its course to Patala and the Indus. Here it was known from history that the productions of the East were to be obtained; and here the trade, which paffed in the earlieft ages between all the countries at the fources of the Indus and the coast of Malabar, must always have fixed its centre. As the Greeks and Romans increased their knowledge, and finally became acquainted with the monfoon, they made their paffage to India direct; but the voyage to the Indus was not yet abandoned in the age of the Periplus, nor probably for feveral ages later. Pátala our merchant does not mention, but there were evidently two marts of importance fill on this river; one, towards its iffue, called Barbárike; and another, fomewhere in or near the Island of Behker, higher up, named Minnágara, which corresponded with the Sogdi, or Mulikanus, of the Macedoniaus, and which has been replaced by the Behker (Manfoura) or the Loheri of modern Scindi, or any one of the capitals occupied by different invaders in the various revolutions of this country.

Minnagar", or Minnagara, perhaps the Binagara of Ptolemy, is described as the capital of the country, and the refidence of a lovereign, whole" power extended in that age as far as Barugara, or

" Minnight is the factorie or city of Min,

[&]quot; Longe thips from the Lades, Patala, Per-Go, and Kurmania, came to Arabia se surly as like Bifanger, Tutmanger, &c. the time of Agutharchilles, and mod probably stuny ages prior, before there was any hillory down the Indae, made his suff income him to report the fact. I suppose their vestile to have been chiefly navigated by Arabiana, beraule or van prove the fettlemant of that people on the could of India from the time that "Tutte, as we know from Parties", p. :64liftury communes. See Periplus fipro, p. 36.

^{*} Mighined the Chameride, ming Gurerat; and there feems to be a general connection between this province and Scindly for the language is the fance from Surat to

Guzerat. The government was in the hands of a tribe of Parthians, divided into two parties; each party, as it prevailed, choice a bing out of its own body, and drove out the king of the opposite faction. This fovereign, however, must have been of confequence, or the trade of his country very lucrative to the merchant, as appears by the prefents necessary to ensure his protection. These were,

Duptings appropriates, - Plate of very great value.

Mission in the propriate specific processes.

Handford Girls for the Haram.

The best Wine.

The results of high price.

Mission France.

The finest Persunes, or persuned.

Unguents.

These articles are all expensive, and the best of their kind. The profits upon the trade must therefore have been great; but if Pliny's account be true, that every pound laid out in India produced an

floridame is the Hepton, complete 2000a, inheritor. I should have been glad to have interpreted this paffing as relating to the Purchine empire, which was then in its vigour, and might have extended itself autoward to the Indus; and, by applying above to Hischoos and Parthama the appallion of each, aftermately, from Mineague, would have refembled the fater of a settlem in their latter ages. But it would then have been written for an Hardon, the Parthama contract and triples, the Parthama contract and triples and the fater inheritors must be. Parthama decomposite Parthama.

"If the governing power were Parthians, the distance is very great for these to arrive at the Indies, any we use, by the effifusees of languagination, Suppose them to have been

Agreement, whose introdictates beginner in all agree. That the provingment was not illustrate in manifest; and may teller from the tred might be confounded with Parthias. If an suppose them to be Agreement this is primary complete of that ordine, extended to the invalidation of Manmood the Gharmanile, and the position of Manmood the Gharmanile, and the position Abdollies or Dimensions. The Belootches, who have noticed this country from the time of Alexander to the preferations, are a tribe of Agreement to the preferations, are a tribe of Agreement to the preferations, are a tribe of Agreement to the whole of this is forgueited as a memory conjecture.

Manie in Greace would have a different family but I follow Pholines, I think he is correct, confidering the country.

hundred

hundred at Rome, greater exactions than these might easily be supported.

The precise fituation of Minnigara it is not easy to determine; but if it be the Minhavareh of Al Biruni ", inferted in De la Rochette's Map, I conclude it is also the Manhabere of Al Edriffi. Al Biruni was a native of the country, and confequently his authority is great; and it is to be prefumed that De la Rochette follows him as a guide, in placing Minhavareh on the Indus, between the Island of the Behker and the Delta; Al Edriffi places his Manhabere at two stations, or fixty miles, from Dabil; and Dabil, he adds, is three flations, or ninety miles, from the mouth of the Indus; that is, it is at the head of the Delta, and Manhabere fixty miles higher. But he adds, that it is towards the well, which causes fome confusion, unless he means by this that it is in the Island of Behker, which he extends likewise to the west. But if Al Biruni and Al Edriffi can be reconciled, a Minhavareh, fixty miles above the Delta, agrees perfectly with the Minnagara of the Periplus, and fufficiently with the Binnagara of Ptolemy; but not with bis Minnagara, for that is in Guzerat, and he has another in the Bay of Bengal. D'Anville " fuppofes Minnagara to be the fame as Manfours, and Dabil to be at the mouth of the Indus, inflead of being at the head of the Delta, where Al Edriffi places it; but we approach to near a conclusion by means of the two Oriental geographers, that I think it may be depended on. The journal days, that the thips lay at Barbarike, which was a port on the middle branch of the Indus, near the sea, and facing a small illand; that Minnagar was beyond it inland; and that the whole cargo was carried up to that

Al Dieus, between Dubut and Mantina ... Abulfeds in Melch. Theorem, wat is pay.

metropolis by the river. The representative to supply the place of fuch a capital would be the modern Loberi, at the fouthern termination of the Isle of Behker, which, a century ago, was a place of confiderable commerce, and gave name to the two principal branches of the Indus, east and west, as they divide to embrace the Delta of the eastern is styled Bundar Loberi, and the western, Loberi-Bundar T.

One circumftance most remarkable is, that the port of Barbarike is placed on the middle channel of the feven; and the other fix are faid to be too fhallow, or too marshy, to be navigable. This is contrary to the report of Nearchius, and to our modern accounts; for Alexander navigated the two extreme " channels, east and well; and they were both navigable within their fifty years. Whether the government of Minnagar cleared and opened the centre one, can only be conjectured; thips did not go up it, and what water was required for the boats that carried up their lading, depends on the nature of the veffels which were employed. The Ritchel River, and that which iffues at Scindi Bar, may either of them have been navigable in former times, or in different ages, according to the interest or finiation of the different governments which may have prevailed. Rennell " ftill speaks of the Ritchel River as the largest; and without calculating whether it is precifely the central iffue of the feven, here Barbarike might be placed, if other circumstances should be found

Bondar Lord, the Endern Channel, is called North Sunker in the treaty of North Shith, See Neuralius, p. 529.

by the government; for Tippon Sultan's embuffadors to the Abdoller Shah did not go up the Irahus, but landed at Caramchy or Crotchey. See his Letters and Ordres, in the Afatick Ann. Register.

The western channel, which conducted to Lori-Bundar and Tutta, was the only one secquented by the English. This is now either improchecable, or rendered unfide for flangers

Memair, laft ed. p. 180

to correspond. It is some proof of the fact, that Ptolemy has placed his Barbari in the Delta, convenient for the third and fourth channel; but his Barbari does not answer to the Barbarike of the Periplus; it is above his Patala, while the Barbarike of the Periplus is at the mouth of the channel, and close to the sea. It ought likewife to be observed, that this term is not the native name of a port, but a Greek epithet", implying, the Barbaric Port, the Barbaric Country, derived, if the conjecture may be allowed, from the merchants finding here those articles which they had formerly purchased at Mofyllon, on the original Berber coast of Africa, where there is a Barbora to this day, and from whence many of the Oriental articles" in the market of Alexandria were called Barbarine and Barbarick.

The

is a most extraordinary circumstance, which I am informed of by Mr. A. Hamilton, that Barbara has precisely the fame meaning in Sandaret, as it has in Greek, Latin, and English; all manifeltly deducable from Egypt. A term of reproach fynonimous with forests.

I futurit the following conjecture to the natural billorium, without may affertion of its truth, to formiont menus of afertraining it are Rhobarts to written Rha Harderson and Rha Planting, and as the helt shutarh always come not of Eallers Tartucy, the first course by which it would reach Greece would be by the Wolgs, the Culpian, and the Euxine. Now Kho in the marky same of the Wolge; and Rbs Pontieum would be the drop that capita by the Rha, and Montes, Jate Greece. but mother consequence of this drug would be not of Tartary to Cabul, and from Cabul down the Indge to Strail, and to this port of Barbary or barbarice. If then the name of

Eproples Bayenpade, Napo Bayenpad. It the dring Rha was already entiried in Energy. would not the Rha procured in Sciedi be called the Rha Bathanam?-I have not found this drug in Plany but suspect in to be his Rhamma xxvii. 105, very disbioully deferibed, and I know that Rha Ponticum, and Rha Barbarum, convey mow ideas not conformat to this explication; but fail it may be the true one, originally : the ground for the adoption of this opinion is occived from Salmatina. Bayer, observer, that Rha lignides a river in the languige us the natives. Hill. Dant. parting from Smilliger, Dock-Tempurum. That Rha the plant, derived its name from Rha the store, see have certain information in Ammiana Margellouse Plane, Rha victime off winner in ctejos farpereiliste egufidem nomente, gigoitur entita profesion ad otto amstriplices modelarum. Anni-Man in 190; and, because this rose was brought out of the Englis, he confimmed the Rha with the Don, and imposits it was the Palus Mozoria. The ritubact brought heir

The articles imported at Barbarike are,

Tuariouse during inaises -	Clothing, plain, and in confider- able quantity.			
Theathereds villes il wedies -	Clothing, mixed.			
Пакарита "	Cloth, larger in the warp than			
AND RESIDENCE	the woof.			
Χρυσόλυθου,	Topazes.			
Kepah kine 11.	Coral.			
Erdpul	Storax.			
Alterros,	Frankincenfe.			
Taka outing	Glafs velfels.			
Αργορώματα,	Plate.			
Хруил,	Specie.			
Olive of module,	Wine			
The Exports are,				
Kirrer, - + +	Coffus. A fpice.			
Βοίλλα,	Bdellium. A gum.			
Admir	Yellow dye.			
Nulpdor, -	- Spikenard.			
Alles zannande,	- Emeralds, or green flones.			
Σάπφειρος	- Sapphires.			

Indis is modern times, came by the caravan which puffed between Cahal and Cathgur, three months journay from a mort called Yar Chaus, but ultimately from China. See Funch in Purchas, wel. ii. p. 444-

Еприсс и беринти,

'Offmor.

in Parchas, vol. II. p. 454-" Veffis Polymites. Veffis filis verificolaribus contexts. But dubious.

"At Calieut they took gold and filver alone, or elfe ceral, when the Portuguefe come there fell. Cada Mallo, p. 58. Gryamus.

Hides from China.

Cottons.

"This is very dublous, and occurs no where effe.

Name Espicar, - - Silk Thread.

Irdinos mixer, - - - Indigo, or Indian ink?

Such are the different articles of export and import; and the author observes, that in order to reach this port in the proper scason, the thips thould leave the harbour of Berenike in Epiphi, or July; adding, that the paffage down the Red Sea is difficult at fo early a period, but that a favourable wind (that is, the monfoon) is more cafily obtained after you have palled the firaits, and the voyage more expeditious". This is in harmony with the account of Pliny, who informs us, that the passage down the gulph took up thirty days; a long time for a pattage thort of five hundred miles, and which proves, not only the difficulty of the navigation, but the unskilfulness of the navigators. Upon approaching the mouths of the Indus, the fea is white; and the fign of land before it is feen, is a multitude of fnakes, called Grazi, floating on the furface. This circumstance, which seemed fabulous to the ancients, and some of the moderns, is now known to be a fact that takes place down the whole coast of Malabar, as well as on the approach to the Indus: it is imputed to the rains of the monfoon wathing down thefe animals " out of the rivers. I shall here also take occasion to do justice to Agatharchides, for condemning his report of a whiteness in the fea off the coast of Arabia. I am not apt to suppose every extraordinary report falle, in authors ancient or modern; and I have pleasure in acknowledging the veracity of Agatharchides in this inflance, on the authority of Corfali", Thornton, and Terry; Corfali's account.

[&]quot; Aureliable of the property of the said entropicity a exa. Tribes is purticularly up- " You have twenty leagues of white in plied to winds: ventus forundus. "Exists in " between Society and Assets." Duly papers

[&]quot; Panimo.

this passage, I have omitted, and cannot cender. Collection, p. 57. " The les new Society

account, indeed, goes rather to confirm the Periplus; but the evidence of Thornton and Terry is direct, "that the fea near Socotra is as white as milk." We are every day leftening the bulk of the marvellous imputed to the ancients; and as our knowledge of the Eaft increases, it is possible that the imputation will be altogether removed.

From the whole of the particulars collected at the Indus, there is every reason to believe that the writer of the Periplus was here in person: the minute circumstances recorded form a strong contrast with the slight notice of the Gulph of Person and the Coast of Cadrosia; and the more circumstantial detail respecting Guzerat and Cambay, which we are now approaching, is so very remarkable, that the description could hardly have occurred, unless it were derived from information on the spot.

VI. CUTCH, GUZERAT, BARUGAZA.

THE first place we are directed to on leaving the Indus, is the Bay of Cutch or Kartich, the Kanthi of Prolemy, the Eirinon of the Periplus: it is faid to be unexplored to; a circumstance appropriate to it at the present hour; and to have two divisions, the

" is as white = milk." Terry is Porchas, makes of Hindon Superdition in this part of wal Hi p. 1467.

India a pageda in Kutfen, another at Juigar,

Vicino al India trecutto miglia. Panque del anne il mofimu come di lutte che mi pare efferentito d' al fondo, per effere l'avena human. Andrea Cartail. Rammo, tran. i. p. 178.

See Peripilis, p 36, and Agetharchides in Hudlon, p. 64

"Cantha is one of the names of Crifins, as Highand or Land. There are fill great re-

makes of Hindoo Superdiffice in this part of India c a pagoda in Kurfen, another at Julgar, and a third at Summent—all full confpictions and furnished and Julgar full voiced in programage. Mrs. A Hamilton.

ASserted; but in English officer, taken prilimer by the pirates, was carried up it, seconding to Remeil. The pirates though he thought of Goomtee, just to the cult of Jaigut.

greater and the lefs, both thoal, with violent and continual eddies extending far out from the thore; to that vetfels are often aground before they tee land, or are hurried away by the eddies and toft. The thore begins to curve as from as you leave the Indus"; first towards the east, next in a footherly direction, and, finally, back again to the west; till it reaches the promontory Barákes, which thuts in feven islands with its projection. This cape represents, with fusficient exactness, the Jaigat point of our charts, and its islands within, which are at this day the retreat of a piratical tribe, wished by the English within these few years."

If a veffel approaches this point, her only chance to escape, is an immediate alteration of her course; for if the is once well within it, it is certain destruction. The sea rolls in here, a large and heavy swell, with great violence, forming eddies and whirlpools in every direction. The soundings likewise vary from deep to shoal, or rocky, without warning; so that if you attempt to anchor, the cables are cut or rubbed by the soulness of the bottom. But the sign of approaching this bay, is another species of serpents, sloating on the water, larger, and of a black colour; while those that are met with at Barugaza, and lower down, are green, with a golden hue, and of a smaller size.

From Barakes, and the Bay of Eirinon, the next in fucceifion is the Bay of Barugaza, which terminates [fouth-weil] on the boun-

the pirates are fald to have been driven from Kattich, between the tudes and the head of the gulph, and to have femled on the opposite there of General, times called Little Kattich. They are the Sanganians of our early assignators, the Sangada of Nearchus.

[&]quot;And of Type, the left flation is Barbarike. The text forms to give the name of Barkkes to the coast as well as the maps. D'Ausille fileds bare a tract called Barfeti, the Barafic of Al Baras, p. 83.

[&]quot; In 1799. See Indian Reg. 1800, Chronicle, p. 5. The difficit is called Gounteer

dary of Ariake ", the territory of Mambarus, who is fovereign also of all India ". Inland, on the north, the district of Barugaza joins to Scindi, and is subject to the Parthians of Minnagar; and the seacoast, from Scindi towards Guzerat, is called Surastrene. It produces abundance of corn, rice, oil of sefamum, ghee, and cotton for ordinary manufacture; and the cottons of Minnagar are carried to Barugaza for exportation. The natives are black, and men of large stature, and the herds of cattle in the country are numerous. Surastrene " must therefore be the Kutsch of our modern charts, the capital of which is Boogebooge; a tract wholly inhospitable, and now never visited; so that we have no opportunity of knowing " whether it answers to the account of the Periplus or not.

The pallage from Barbarike to Barugaza is [not made along thore by the Bay of Eirinon and Barakes, but] firait across to the head-land of Papika", which lies opposite to the harbour of Barugaza, and in the neighbourhood of Aftra Kampra and Trapera. This

"If one on Anne yapa on Manager Baratha and an or the later the difficulty of the Lagranger was fubject to Minnagers. Appearing for Assaulte, in the undoubted excretion of Stucking Surahyma, Mr. Harshton interprets it Scientific, the Lord of Payloring, Jaggat, the World.

enument compareheed more than the northern pour of the periodic of India, in appointing to Beinds and Gracerat, in that e.g., maker the Perihians. Such a king on the Bahaliara of Al Edrill (p. 64.) would correspond fufficiently. for Bahaliara figuifies King of Kings, seconding to his interpretation; but Mr. A. Hamilton frys it implies, the Corribosure of Acusto

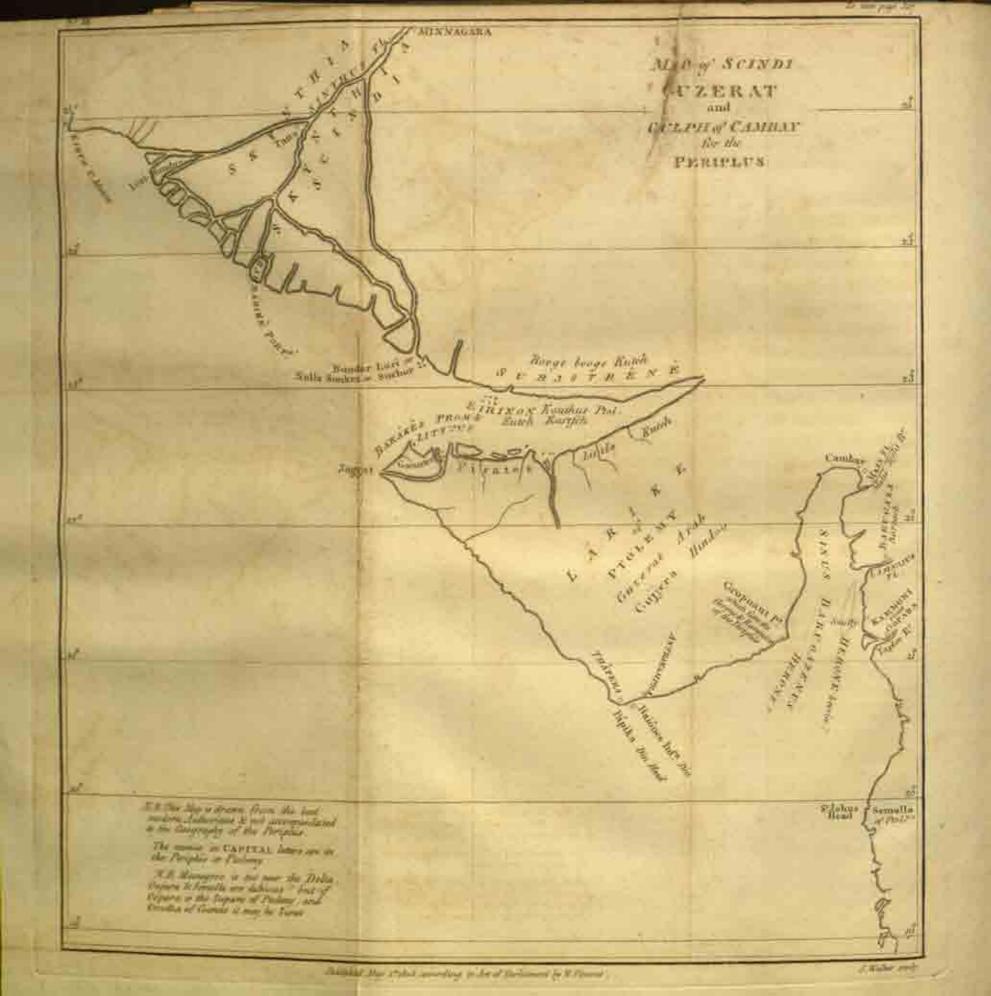
Surafirme is not to strothirely confined in the text to Knitch, that if may not extend to the count of Guerrat alfo; but is allotting it to Knitch only, we under the occount in the Periodia with the geography of Prolemy; and the text itielf is to corrupt that we are atterly at a late; for it tape the inhant part of Seyuthia nonthes on their. There is certainly a falle reading, but what neglects be fabilitated for it is dathour; Hadden, or Stockins, read to Take, from Prolemy; and Prolemy has Takeney, and a common time. Yashana, p. 172

of Orme feys, it furnishes a good breed of hories, which implies patture for other earticnia. Thit, Fragments, notes, p. 107-

 D'Anvilla fauls here a Soto Papera, for Arto Papika; for upon what surfacely he does not mention. Antiq. del Inde, p. 83.

day at South "Case between Manual and Philosophy and the property of the court of th and the same of th has a higher than the many through it shall be bright

The state of the s



cape forms the wellern point of the Bay of Barupira, at the extremity of which lies the Island of Balones "; and from this point the coast runs northerly till it reaches the head of the gulph; there it receives the river " Mais [and then returns again fouristo Barupana itself, and proceeds, in the time direction, to the main coast of the peniasula.] It is added, that the passage from Scynthia to Basones is three thouland stadia, which agrees sufficiently with the assual distance of about three hundred miles.

Among all these particulars, there is not a single circumstance which does not accord " with the actual nature of the voyage at the present day, from Scindi Har to Diu Head; for Baiones " in Diu "; and from Diu, the coast runs N.E. to the head of the Gulph of Gambay, where we find the River Mahi, as the representative of Mais. From Mahi the direction of the shore is south to Baroache, the Barugaza" of the journal on the Nerbudda, which the Periplus calls the Lamnaius, and Ptolemy the Namadus", still written Nacturals in some of the Hindoo books. The other part of the account, which at first seems to intimate that the bay is thirty miles across,

[&]quot;Ballius is Dier and, if I understand in sightly, this ident, and the cast towards Julger, is the Chefman as of Marco Pale in the time, all the trade here was in the Lands of Araba.

^{*} To it will imprise of the physics county I become Main

el On pour dire minis que ce qu'on sequent de notame par le Thérèle, ell fainfainnt et puiltif. D'Anville, Assig de l'Inde, p. Ma.

of Al Edville because hereastons are deputed a half's tell from Country to Asi Country and two from Art Country to the India. They are country for so Indian They are country for too long for so Indian fully.

but the central point fearm relative. He speaks magnificently of the trade of Cambay to his time; and extensive it continued; till the greater presimity of Smat its the open tim attention of the power.

[&]quot;Din is Day, she life. Dis lifest is Pa-

trongles lignifies the Water of World, from Boris water, and Ques, would, riches, tropler, or receivery a the fame in Sandarest as in Perior. Mr. A. Frantiton.

Die Mariek Resembles to it nor Nobes Blooded as Nobe Mahndood The Source its hindred therm, is called Source hands.

will perhaps hear a more favourable construction, which I submit to the judgment of the reader: [2 Upon arriving] at this "gulph, to the judgment of the reader: [2 Upon arriving] at this "gulph, to those who are bound to Baroguza [keep clear of the land on either fide] and pass up the open channel for thirty miles, leaving to Balones on the left, till it is fearcely visible in the horizon, [their course is] then call to the very mouth of the river that leads to Baroguza."

The passage into this gulph is narrow, and difficult of access when you approach it from the sea, least you thould be carried away to the right hand or the left. The left side is the best plor on the right there lies a stripe of shoal, rough and broken, called Herone, near the village of Kammont , and this shoal of Herone, notwith-shading the shifting to which sands are liable, is not undiscoverable at the present day, or at least a representative for it, which will sufficiently elucidate the account in the journal. The charts and maps are full of shoals; De la Rochette has one extending from Swally to below Daman, and others without it; and a particular one off Groupnought Point, which seems to be the Jameer Shoal of Skinner, corresponding with the fituation tequired; all of them are long, narrow stripes, like the Fillet [vanis] of the Periplus, caused

"[Kern] There she Kahang at now, at his case I walled to the state of the state of

has mer liquity postion the most sto fee, for you will me on the channel

Remarker is followerly marked here on the fine of the Gulph of a underly opposite to Diag, to fire that it cannot be for from the position of Secret, or at least made he fourth of flavogate; and to Prelimy places Kamanes in his made different map of this count; and get Major Kram II fays, Camboy appears to be the Camanes of Proismy. Memory, last edition, 210.

apparently by the rapidity of the tide, which throws up the fand, but will not permit it to accumulate in breadth. On the left, oppolite to Kammoni, near the promontory of Afta Kampra, lies the cape called Papika": here it is difficult to anchor, both on account of the current, and because the cables are cut by the foulues of the bottom. But even when the paffage into the gulph is fecured, the mouth of the Barngaea River is not easy to hit; for the coast is low, and there are no certain marks to be seen; neither, if it is discovered, is it easy to enter, from the thouls? which are at the mouth. For this realist pilots are appointed by government, with attendants in large hoats, called Trappaga and Kommba; thefe veffels advance as far as Surafficence, or Kutfelt, and wait there to pilot the frade up to Baruguza. Their fiell fervice, at the entrance of the gulph, is to bring round the flip's head, and keep her clear of the floals : this they do by means of the many hands they have on board, and by taking the vellel in tow from station to station, which stations are all known and marked, they move with the beginning of the tide, and anchor as foon as it is spent at certain borths that are called Basons"; and these basons still retain water after the tide is out, all the way to Barugaza. The town ittelf lies thirty miles up the river; which fact directs us to Baroache, without a possibility of miftake.

The difficulty of navigating this bay affords a fufficient reafon why Barugáza should be more flourishing than Cambay, and Surat

Pupil's, eximus, guiles, burbarous. Mr. it would explain many particulars here of a. Handison.

[&]quot; It was very late that I day Skinner's " Kadpin, literally, kerting from and a ob-Chart, by through of Mr. Arrowinsto. Him folice; arrows, Haryen. Saint \$3. Memoir I have not form; but I say purfeaded.

preferable to Barugaza or Baroache; and yet Cambay was a great place of traile when Tayernier was in India. Mr. Hamilton adds, that the people of Cambay were formerly hetorodox, or Bhuddids; and that Ariake, which corresponds with Kemkem, or Concau, is the Country of Believers, probably in contrast to the inhabitants of Cambay. How wonderfully does this accord with the rife and fuecess of Sevagee, and the Mahrattas, the restorers of Braminism in India, and the conquerors of the Mahomedan powers? The native superstition would naturally survive in the mountainous regions of the peninfula, while the Mahomedans overran the plains of Hindoffan; and if Ariake does fignify the Country of Believers, it is a proof that this part of the peninfula was, in the earlieft ages, celebrated for its attachment to Braminism. The Mahratta chiefs are many of them Bramins; but when in power, we find nothing of that meek spirit of the Hindoos so much vaunted in Europe; they have dethroused their fovereigns; they are the most cruel ravagers and invaders; equally greedy of defolation as plunder; they have deftroyed much, and reftore nothing : in thort, they have made it a question, whether the whole people were not happier under the government of the Mahomedans, than their own. The house of Timour was a mild dynasty; Aurengzebe, indeed, was a tyrant, a perfecutor, and a hypocrite; but Achar was the father of his country. But to return,

The circumstance of the tides is not peculiar to this place, though they are more violent here than elfewhere; for almost all the rivers of India are large, and have both the flux and reflux of extraordinary strength, conforming with the moon, new and full, as well as for three days after each, and falling off again in the intermediate space;

fpace; but at Barugaza this violence is more remarkable, so that without warning you fee the bottom laid bare, and the fides next the coast, where vessels were failing but just before, left dry as it were in an inflant; again, upon the access of the flood-tide, the whole body of the fea is driven in with fuch violence, that the ffream is impelled upwards for a great number of miles, with a force that is irrelifible. This makes the navigation very unfafe for those that are unacquainted with the gulph, or enter it for the first time. No anchors are a fecurity; for when the vehemence of the tide commences, there is no intermission, no retreat : large veilels caught in it are hurried away by the impetuolity 18 of the current, and thrown on their fides, or wrecked upon the fhoals; while the fmaller ones are completely overfer. Many also that have taken refuge in the creeks, unless they have fortunately changed " their place in due time. (which it is very difficult to do, on account of the inflantaneous fall of the water,) upon the return of the tide are filled with the very first head of the flood, and funk. But all these circumflances united concur more especially, if the new " moon falls in conjunction with the night tide; for then, if you have been prepared to enter upon the first of the slood, and when the sea appeared perfectly calm, you shall hear, in a moment, a rushing found like the tumust of battle,

secure. Persons systemations of Rig?

"To blig is a corruption for which nothing thould and he notices that the tide runs fix miles an hour. P. role.

" 'Or de me layer. Dodwell words hiper, reserve off, moved through a which I fall as

[&]quot; So the Oriental Navigator fays, " Near Dayon the tide runs fo espidly, that if the velfel should take the ground the mill overfet immediately, and in all probability every fool on hourd perills, which aften happens through the neglect or abitimacy of the pilots. P. any. Another part, near Gogo, is deteriord in very dangerous, and environd with rocks and

[&]quot; Emperier, the moun in conjunction a th the time. But engine does not occur in the lexicous; may it not be a point of Handling conders it outerlamine, which has little to shoe with high tides.

and the water driving forward with the utmost impetuofity, covers the whole of the bare thoais in an inflance

It will immediately appear, that this description relates to that fort of tide which is called the Bore ", and is common to many . places in Europe as well as India. On the coast of Egypt, or in the Red Sea, the author could have feen nothing that refembled it, and he dwells upon it, therefore, with more minutenels than a modern observer would employ; but from this very cause it is that we have a picture which cannot deceive us, and a conviction that the author rolates what he had himfelf experienced.

We come next to the enumeration of the countries with which Barugasa is connected, and its relative fituation with regard to the provinces that furround it. Among thefe, on the north-well, he the Ararri, Rachooff , and Tantharagh, names with which we are totally unacqualited, as they do not occur in any other author; but that they lie towards the north-weft, between Ouzerat and Multan is manifelt from the inecceding diffrict of Proklais, which comprizes the city of Bookephalos, for that we know to be in the Panjeab. He then adds, that beyond Proklais, fall farther to the north-west, lies the province of Bactria, governed by its own" kings. Here we may observe, that the country between Guzerat and the Indus is to this day less known than any other part of India: it is a findly

" See the description of the Bore, called no king for the age of the Periphin. For see and a second in proposite to made the facilities the land that them correction Is wanting a few stems autilities agreem with 10or wise. May not the movement of Perpola here hand of a flattrum dynamy; and milgood n so his own age after it was entired f. Bayer corpora the age of the Peripho to Auteline Antonino His. Bart. p. 98.

Mineres, is Pogue by Criar Errience. He monthing flathous in that river like thele; and adds, that who Macaven in Cambay Is not him. equal to that of Popus Hamilton in p. 234.

[&]quot;The Authorities the grants of India, as I learn from Mr. A. Francisco, of Schubro's

[&]quot;Bayer's catalogue of Bushima kings unds exa years before our ers, and therefore he has

defert, affording refuge to tribes of Rajpouts, Hendonans, and Athamberis, called Jams, who are all without fixed habitations, and plunderers like the Arsbs. These may correspond with the hordes. mentioned by the author; but from Minnagar upwards, to the Panjeab and to Bactria, we can follow him with more precifion; for in these parts, he says, there still remain memorials" of Alexander and his conquetts on the Indus; fuch as alters, the entrenchments of his camps, and very large wells. The last particular feems evidently to refer to the wells which Alexander opened in his three days march to the East from the callern branch of the Indus : they were on the route to Guzerat; and the route between the Indus and that province is kept open, at this day, only by wells of this description in the defert. But we are told afterwards, that Alexander marched castward from these countries to the Ganges", neglecting Limurike, and the whole peninfula on the fouth. This only proves that our author was a much better merchant than an hillorian; but he redeems his error by the prefervation of a circumstance which fell under his own observation ; which is, that coins with the Greek Interiptions of Menander and Apollodorus, who reigned in this country after Alexander, were full current in Ba-THEREAL.

" Hudfor within to convery Aratrii time, the Panjeah, and thrace with a porth-wedging Arts, and Rakhouf into Arashilli. So far as Aria and Arachefia are councied with Bathring there is seafon in this a best if there is my under obligated in arranging thele tribes, show second with the Indie to Montan and

Dr. Bee to Bellein.

What again, Speells, Flidding.

[&]quot; It will be reallly allowed, that an author who could fall into this error might be miscaken in regard to the kings of Bartria.

THE KINGDOM OF BACTRIA, TAGARA, PEITHANA, OZENE,

Federal and Chamberle street

Ture Apollodorus is hard to discover, even by the ferutinizing accuracy of the learned Bayer; but Manander he has introduced into the catalogue of his Battrian kings, and with a most peculiar diffinction, that he had extended his fovereignty down the Indus, and over the Delta of the Patalene ". This extrandinary influence of the Greeks, in these distant regions, is no more to be wondered at, than the craftion of kingdoms by the defeendants of officers of Ginghiz Khan, Timour, or Nadir Shah; the heads of a conquering army are all is ready to slivide an empire, as the forcessors of Alexanders and the officers of thefe inceellors, as eager to revolt from their principals, as the principals from the family of the conqueror; thus role the kingdom of Bactris, by the revolt of Theodotus from the monarch of Syria, which maintained itself for near an hundred and twenty years, and confifted at one time of a thousand cities: fimilar to this, perhaps, was the fovereignty of Apollodotus, who feems to have had fome previnces towards the fources of the Indus, which, in the objectity of the Syrian history, cannot now be afcertained, and the memorial of which is preferved almost exclusively in the Periphus.

"That the coins" of these princes should pale current at Barugara,

Remoder's Arab. p. 15. mentions a Unitsesse dynamic, which weight half a dram more than the Arabian drawline. But this is not a incign, but a domethic coin; it bears the die of the prince.

^{*} See Strake, p. 471. Bayer, Phil. Bacheim, p. 80.

Paolino informs us, that P Pavoni, a multiourry in Mylore, family a control Classical in the river Caren. P. 98.

is no more uncommon" than that the Venetian fequin ", and Imperial dollar, should be at this day current in Arabia, or that the Spanish pinstre should pais in every port of India and the East; that is, round the world from Mexico to Manila, and in fome inflances, perhaps, from Manila to Mexico again. A fact fill more worthy of notice is not to be omitted, as it is an observation appropriate to a merchant"; which is, that the denarius, either gold or filver, was exchanged with advantage against the specie of the country. This is in correspondence with the testimony of Cosmas, almost five hundred years later; who takes occasion, at Ceylon, to mention, that the Roman money was received, and trade carried on by means of it, to the utmost extremity of the world, no nation having a [flandard of] coin pure enough to compare with the Roman. And it is a truth (as I learn from Clark on Coins), that the Byzantine flandard was not only the purell, but most permanent, of any in the world.

Before we can proceed to the commerce of Barugaza, we have other relative fituations to confider, as Ozene on the East, and Pithana, and Tágara, on the fouth-cast. These Lieut, Wilford has concluded to be Ougein, Pultanah, and Dooghir. There is every reason to adopt his conclusions; and if, after the several encum-

I do not eigh to deprive either Bayer, or Robertson, or Maurice, of the honour of these observations, personne to the present publication; but they could not be counted here, as forming part of my plan; and I had obtained my information previous to confining any of their works. An author, is the legal phrase, such authory by fuch as affertion; he defines nothing but what the reader phrase to allow him. See Bayer, till first, p. 108.

^{**} Nichuler fays, vol. i. p. 132, that Greek, Perlian, and Roman voint are full current in Cardulan; and Nicolas di Couti Ramalia, tom, n. p. 226, mentions the Vroesian ducat as current in India in 2440, that is almost for years before the Portugueie reached India.

On the coult of Malabar, women appear at this day drammented with fequine, coins of Portugal, and English guinna, by way of necklace. Moore's Narrative, p. 293:

flances already enumerated, we have came to think highly of the information of our author, we shall be disposed, after tracing these feveral connections, to allow that there is no specimen of ancient reography to completely fatisfactory, or fo conforant to truth, as

the portion now under contemplation.

Towards the cast of Baruguza lies Ozene, which was formerly the capital of the country. What are we to understand by this, but that the Parthians, who were now mafters of Minnagar, and possessed of Guzerat, had driven the native Hindoos out of power, and feized upon the government of these provinces themselves? And what do we fee in this, but the prototype of the Mahomedan usurpseions, which have been too faithfully copied by European powers? and whose place we now occupy as mafters of Surat, Baroache, and Cambay, at the prefent hour. When the Europeans first reached India, Surat was the principal feat of commerce on the north, as Callent was on the fouth; and the merchants of Guzerat were the richest and most active traders in India. Surat is not more than forty or fifty miles from Baroache, and Baroache's is the Barugita of the Periplus. In the age of that work, the merchants of this country were not less vigorously engaged in their pursuits : they traded to Arabia for gums and incenfe, to the coast of Africa for gold, and probably to Maiabar and Caylon for pepper and cinnamen. If I could find any thing in history to countenance the idea of the Hindoos " being fearners" in any age, I should place

English now talk it Brache, Strube mitter Bargold D'Auville, Geo. Are: p. 83. Burthis ptento. Marco Poto, lib. at. p. 200-pt 54ele dishious a for the Bargoull of the Pariplica are on the other fide of the penintula.

[&]quot; At Edeill called Berng, and Berney that tell familie, me quelle che marige per some perche dicono che chi mvira per mane è dei This mittee to the kindleys of Coronandel

^{*} Sir William Jones has supposed, that, P Quello the bee vino our fi screwe per from Bottomy being municipal in the laws

time the Hindons at Cationt" left all navigation to the Mahomedans, for it should from that the prohibitions of their religion had been uniform from all ages. Pliny speaks as strongly of the Araba on the coast of Ceylon; and Araba" there must have been at Barnglera for the same purpose, unless it should be discovered that there was some east, of a degraded fort, that supplied their place. Fathermen there are, but they can cook and ext their food on thore; and even fithermen are an abomination in Malabari. Merchanta, however, may grow rich at home, while other nations are their carriers; and that the greatest trade of India was in that age fixed in Guzerat, is evident, not only from the enumeration of articles at this port, but from the general importance it boars in the mind of the author, and the circumstantial detail of all that is connected with it.

The connection with Ougein", and the mention that this place was once the feat of government, is in perfect conformity with

gaters in the age of that work. Now, thus things of Hindoos went to im, and that a proportionate extends for the lineard of the feel was in he paid on manay borrowed, must be trued him it remains to be proved that the feeders and Hilliam And the emberour to prove that they not the feel movements for their principles and practice in later there. It is easy within their very few years that the Hinglish lives been able to carry their sepays by feel and in doing this, there ferms to have been employed many, discipling, and a variety of follows to false their containers.

door] nor filleret merts, of manes Mahamacante delegator. Queens aumeria la su ciritrue also resolved quisabelia millia. Bartheria apud German, p. 112. And la Orme's necount of the floris near Barthery, and party were Siddees, or Abyllinians, and the other Architectually. America were full of Architectual for the former of the predestrians. Beeffer proofs amendos as I has may entire the Profident, a 100 s. Orane, p. 11. The Application of the field methods in the could for the Indian fees. The Robert Charles in Remandot, p. 129.

When the Portuguese came to India, the Architect transport all the neate If it and East Removed, p. 175.

Ouges, India Annual Registers on Miles.

modern information; for Ongein", as it is at present subject to Scindia, and the capital of his juglifre, fo was it, from the earliest ages, the propered fituation for a metropolis, as being in the centre of those tabes of Hindoos which have been less" intermixed with foreigners, and less subject to invaders, than the other tribes of Hindoftan. Its pre-eminence and importance are ftill farther proved by its having been, and fill continuing, the first meridian" of the Hindoos, which appears from accurate English observations to be in long. 75° 51 of " from Greenwich, and its latitude 23' 11' 12". The ruins of the ancient Ozene are full discoverable, at a mile diftance from Ougein; and coins and bricks are ftill dug up there, at the depth of fifteen feet or more. Pliny makes no direct mention of Ozene, but incidentally only, as denoting a species of the spike-

Written Univelia, Ulicia. D'Anville, fulls, p. 95. Unaying againtly or greatly. Hinter:

" The revalt of Sevajor, the founder of the Machinten power, was in the time of Armyrule, when the house of Timour was in its meridian folerator. There Handoos of the Dieless had myer been reduced ; and though the Rana of Ougels, who was the principal of the History of Agimus, had been fabdued by Achar, the interior was so difficult of accels, that there bul always remained tribes in the mountains who were independent. Savajee (or, as he is otherwise salled, flowfools) first reduced the mountaineers of the Deken also only, and formed them by diffelpline till he let the Mogul power at defiance : he plandwed Suest, repeatedly, forced life incontinue an every fine, and lesind containations

nebe, and has become the greated Hindoo power time the first inestion of the Mahomedius.

" See Affat, Refearches, Lond ed v. p. 194 and India Register 1800, 191, Mifcel. longitude determined by eleven obfervations of Jupiter's Satellites; latitude, by night .-Amather first maridian was at Laures, or Cay-

lus. Paulius, p. 329-

Jelling, or Jaya Shiles, foutsdahr of Meliva, in 1693 confirmated observatories at Ougein, Dehli, Bennen, and Matra. Bir-Rob. Barker describes the observatory at Ougem, and found the satisface to he ag 10' za's which the native observers made 23' to', fecouds they do not notice; but it appears likewife that they had inflauments and buoks. from Europe. Mr. Flunter doubts the autiquity of Hiedeo attrenomy, and inform us, to a vall amount. He died politiced of a that when he was at Ongein, Jelling's objerforereignty, which grew up during the decline untary was turned into a funndery for cannonof the couple under the descellent of Aurusy. Affatic Refrarches, v. p. 196, Lend ed.

nard; but Prolemy calls it the capital of Tiastanus, and his royal refidence: he places it on the Namadus, or Neibudda, which is the river of " of Barugaza; which river is faid to rife out of the fame lake as the Saone, and which takes an eastern direction; to that the course of the two rivers into the fex, east and west, turn what is called the peninfula of India into an ifland.

D'Anville " confiders Ougein as the refidence of Pores, who fent an embally to Augustus. The rajah is called Rhana, and pretends to be descended from Porus, who was descated by Alexander, Fabulous accounts of Alexander are as current in the East, as in Europe; and for the take of proving the antiquity of his family, a prince might have the vanity to think it an honour that his anceltor was defeated and conquered. But Porus fignifies a chief or fovereign: it may have been an appellative, as well as a proper name; and the fovereign of Agimere, if his influence extended over Guzerat in the age of Augustus, might have had commercial " transactions to regulate with the Roman empire.

From Ozene every fort of commodity is brought down to Barngaza, which can contribute to the supply " of the country, and many articles for foreign trade " nomensham!

	011 141	*****	comprenenting
Chuzin A.Sin, -	100		Onys flones
Mugality, -	-		Perceline.
Endfier Island, -	120		Fine muffins.
	-		
Moza Xuz.,	17.	US	Muslins of the colour of mallows

se Major Remiell, in his first map, placed it his corrected map, it is on a branch of the ally sweehed India. Signeth, which joins the Chumbal, and falls hier the Juma.

[&]quot; Antiq de l'Inde, p 95.

[&]quot;This is upon the Supposition, that the og a fireem that ma into the Nerbudda; in two faips which Strabo few at Berealky after Tarrely.

[&]quot; Den foreign farming, for our crade : - 1 -

Transa Main Money - - A large quantity of didinary cottons.

And many articles that only pala through Ozene to the coall, from the country farther inland; as from the Panj-ab

APPENDING AND ADMINISTRATION OF REAL PROPERTY.	NO SECURE OF THE PERSON NAMED IN COLUMN NAMED	
Катабирге Петропалире, -	Spikenard, of different forts,	
Katelin,	and the second second	
River,	- Koffus.	
BMAAA,	- Bdellium, A gum.	
The Imports at Barugaza are		
Oues,	- Wine.	
Tradinas aponyeminas,	- Italian wine, in preference to all other.	
And Andrews .	- Laodician wine. Syriani	
Applicat,	- Arabian, Quere, Palm, or Toddy?	
Xuluo,	- Brais.	
Kagaireper,	- Tin-	
Atoholess,	- Lead.	
Kepiakier,	- Coral.	
Xpmrohi9ce,	- Topazes.	
"Imarmule	- Cloth.	
2000	niem	

"I league all thefe to be different species of Nard, taking their same from the places from which they come. And if a conjecture may be allowed, Kadakira is from Kabul, a

migor mourous.

Heavieras Caras magnatas,

must through which it might regularly pair one of Tartay, or Thillet, its proper full Al Edvill of a the trees Afgraham - Kalalant, for the Mysubalant of Kahul, p. 66.

Variegated fashes, half a yard wide.

mixed, of all forts.

Befides specie, upon which there was a profit, and the presents that went up to the king at Minnagar, as mentioned before. It is not evident why these presents were not rather landed at Barbárike, which was the direct port for Minnagar, than at Barugáza; but our author says, that the king of Minnagar was sovereign of Barugáza also. Perhaps, by their being mentioned here, they went only to the viceroy or soubah of the province. The expression in the text is dubious"; but the context seems to imply, that from the country to which these presents went up, there came down in return, diffin@ from the experts of Barugáza,

Nappor. Spikenard. TO STORY Koffus. Busham. Bdellium. Exeres IVOLY-לעלים ווינינים ווינינים ווינינים ווינינים Onyx Stone. Trivings, Myrch. AURION Box thorn. Office marrow, Cotton of all forts. Expixor, Silk

[&]quot; If Smouth one before whenever Had Concert revolted, and for up a Blog of process.

McArgaer, - - - Mallow-coloured cotton.

Nema, - - - Silk thread.

Hirego sumper, - - - Long pepper.

And other articles from the ports in the neighbourhood. Several of these are the same as those that were specified as procurable at Barugaza, and consequently we can see no reason for the recapitulation, except the different means of obtaining them from a different part of the country. Such, however, are the commodities in general derived from the North and from the East, and such was the importance of the commerce of this place in the time of Pliny. Zizeris and Muziris, farther to the south, seem to have been the more particular object of the voyage by the monsoon, across the sea from Arabia to India direct; but in our author's age, though he mentions Muziris, it is transfently, in comparison with Barugaza and Nelkunda: these seem to have been his grand marts. And for Barugaza, he says, the sleets left Egypt in the month of Epiphi, or July.

He ftill perfifts farther in the execution of the fame delign; for, after flating what was obtained from the Panj-ab and Ozene, he proceeds next to the fouth, in order to thew what was the connection between Barngaza and the Dekan. This is, if the boalt may be allowed, the peculiar pre-eminence of the work: it belongs to this author alone, as far as I have discovered, to give the true direction of this western coast of the peninsula, and to state, in direct terms, its tendency to the fouth, while Ptolemy stretches out the whole angle to a straight line, and places the Gulph of Cambay almost in the same latitude as Cape Comorin.

But the declaration of the Periplus is this: - From Barugaza, the coast immediately adjoining which ran up north [to the river Mais,

or Mahil, now firetches directly to the fouth; the country is therefore called Dakina-bades", because DAKRAN, in the language of the natives, lignifies bourn. Of this country [which is falled DARHAR] that part which he inland, east of Barugaza, comprizes a great frace of wild and defert country, and large mountains, in which are round leopards, tigers, elephants, valt lerpents, hvenis, and baboons of various fores. [But in the inhabited parts] there are alto a prest variety of different nations, and exceedingly popullous, quite scraft the perintula to the Gauges". Befules this, in the territory of Dakhinabad there are two emporia; or mars, of more particular reportance; for at the dillance of twenty days fourth Goin Barugaza lies " Phithans, and ten days eath of Mithana is found Tagara, which is the largest city in the country. The commodities from these two cities are brought down, through roads of great difficulty, by land-carriage, to Barugaza; that is, from Plithana, a great quantity of doy's frome; and from Tagara, malinary contons "

* Dubling about city of the Spath, Dabhinswal, function region. Bayer — Darthin. Parline.

* Into Simin, effectior Cruocephills mafura, Bear Satyria: Pfiny, libs mil c. 54. c. Sc. Hardonin, See the authors by cites Ariston, lib. c. de Natura Anim. c. 3, Pal-

and Hallolf dad Stuckliss very propolity west

There is evidently an omifficing the fext; for two chies are on the control, and not one of the feateness, and the feateness, a

Wilford Tays, are those-styled as a minimum but the proximity arranged, and conserver

the like he callies the ext. There is nothing some florgular in this than in the Abe Source, which in this day have a conflict fale on the opposite court of Arriva. In Abythin, 1917 in the parts of the Red Sex. Paulios interprets 192 years, hints a tele marking diports at racing ments. Prop. Fing extraor are impurised to derive the name of mallion in Model, while Figure 1 a name which they had in common with good inflor and fifty because their redeless topic with rather marks or to be purchased there. See Marco Polo, lib. 1 & 6 turn if point of note & differ the partial and harden in Africa. Not workling to hall have authority. I aim formetimes inclined in thirty, that they are nothing to hall on

in abundance, and all forts of mullims, with a variety of other native

productions which are not specified.

It is manifelt, that of these two cities, Deeghir is Tagara, and Pitchana is Poltaneh; that the difficult roads are the Chauts"; and the mountains, that chain which runs parallel with the coast the whole length of the peninsuls, from Guzerat to Cape Comoriu. The country also between Guzerat and the Ganges does contain the defirst specified, not only in the vast tract called Berar, but in many other parts of the extensive territories occupied by the Mahrattas. The animals likewise are appropriate, and the whole is such a picture as no ancient geographer supplies in so distant a quarter of the world; so accurate, that it is hardly surpassed by Strabo, in his description of the countries of flurope.

Deoghie " was the feat of a Hindeo government as late as 1293, when it was taken by Feroze II, and is more a min near Flore, within four coffes of Aurungabad, on the River Godavery. It was the capital of the province of Doulatabad; and the centrical fitnation of these three cities, afforded a convenient position to the Paper emperors, as well as Aurengache", from whence they might propagate their conquests in the Dakhan. But the subterrancous excavations in

HE.

The Glants are literally the paths from the law mentry/averable mountains, into the opper legion, but are controlly used for the man edge themselves.

The magnificant and logicly-internal stories of Daniels, from the demonster of Waley. There is an apparent there of antiquity upon their corrections. Conscious to their or like planets, Maladyster on, &c. for their are flower flavored Ullimetal with a modification of arms and louder, effects is a proce-smoot Greener in several of the greetings (methods and objective of their proceious (methods and objective of their proceious (methods and objective of their topical or the more recent artificies of their topical or the more recent artificies of their topical or the more recent artificies of their

[&]quot;Remain has seather Dengur upon the Topic, p. 237 and Pinlemy has a Tington, as well as a Tington. File Taggers, indeed, it on the Newholski, but it is doubtlift Dengur, man Namour. Remain, Menn. p. 215.

^{*} Accompanie was affelly at Amedicagus.

at Elore", and the pagodas there, extending over a tract of two leagues at the prefent hour, imply an antiquity now inexplorable, and preferve the veltiges of a superstition conval with the remotest era of Braminish. These remains qualify the spet for the site of Tagars", as early as the account in the Periplus; and it is manifest that the author speaks of it as a capital of a province, or a kingdom at that time existing, and the centre of the commerce from the interior.

Lieut. Wilford has a differention." on this city, inferred in the Grid." volume of the Affarick Refearches, in which he makes the diffarees from hare ach agree with those of the Periphs, by reckoning eleven miles as a day's journey for a loaded cart in that country; but twenty days from to Pultanah.", and ten days eath from Pultanah to Deoghir, is more than I can find by the scale of any map which has fallen under my inspection; neither do I find Pultanah mentioned in the maps of d'Anville, Rennell, or de la Rochette. Great allowances, however, are to be made for the winding of the mads, and the difficulties of the intervening ghants; while the ruins of Elere, on the actual fite of Deoghir.", with the point of the

fuprellition. The wealth, the power, sell the labour, requilite to form this excerations, equal, if not formit, all that mult have been employed in the edifices of Empt.

Angue I de Perrie.

"T)es Chur, the Hill of the Gods. A. Hamilton

** As a communities on the Periodic many thinks are the fount one to Lieur. Willers!) and with the whole of his hiddenical deductment by periodic agree. But his amulation of a relative periodic modern in remain, rather than a result is goods from the days of Emerica.

count up to Tagara, it a phress as familiar in Circels as in English; and position solder, without being a translation of Bala Ghana, fully identified the difficulties on the reads through the monators; and incorrect to the contract of the set of any different, but have only a and if it did, to bring meritages there are after multiple a solection.

P. 369 Lond ed

Brown to Palitmen on the Conference.

D'Anville his placed Tiggers in Scient, in the Mahratta country. Antiq. de l'Inde, p. 101. compals fouth-east from Barugaza, give a probability to the whole which is irrelifible.

It were to be wished that other Gentlemen, employed in the East, would apply their local knowledge to the removal of these obscurities, as effectually as this meritorious officer has done in the present inflance. Observations on the spot, confirmed by evidences peculiar to the country, form the true ground of proof, on which alone those who collect and compare in the closet ought to depend. This evidence is appealed to by Lieut. Wilford; for the name of Tagara, written with the orthography of the Periplus, occars in a grant of land found, engraven upon copper, in the Isle of Saliet, near Bombay; and the rajah of the inland capital, by this monument, forms to have been connected with the coast, as effectually as Tagara was connected with Baroach eighteen centuries ago.

If we should now describe the arc of a circle, from Minnagur on the Indus, through Ougein, to Dowlarabad on the Godavery, of which Baroach should be the centre, we might comprehend the extent of the intelligence acquired by the merchant of the Periplus. But allowing that this was the knowledge of the age, and not of the individual only, where is this knowledge preserved, except in this brief narrative? which, with all the corruptions of its text, is shill an inclimable treasure to all those who wish to compare the first dawning of our knowledge in the East with the meridian light which we now enjoy, by the intercourse and conquests of the Europeans. An arc of this fort comprehends near three degrees

The date of this grout unforce to the stude double refer to it, he will find, thus in year rout of our eractic was communicated the countrymes of land the historic to the Afaitick Society by General Carrank, communicate are equally liberal of source. See and has every explanar of anthenticity. If the Allat. Referebra, sold is pages Lond, ed.

of a great circle; and if opon such a space, and at such a distance from the coast, we find nothing but what is confirmed by the actual appearance of the country at the present moment, great allowance is to be made for those parts of the work which are less perspicuous; for the author did certainly not visit every place which he mentions; and there are manifestly omissions in the text, as well as errors and corruptions.

VIII. ARIAKÉ 62 CONCAN, THE PIRATE COAST, AKABAROOS,
OOPARA 65 SUPARA, KALIENA 65 BOMBAY, SEMULEA,
MANDAGORRA, PALAIPATMAI, MELIZÉIGARA, TOPARAN,
TURANNOS-BOAS, SESEKRÉIENAI, AIGIDII, KÁINEITAL
LEUKE.

THAT the author was at Barugaza, cannot well be doubted by any one that adverts to the variety and minuteness of his descriptions at that place. Whether he went farther down the coast to the fourth, or took his account from other voyagers, may not be so certain. D'Anville "" supposes that he accompanies us to Contonara, and then takes one bound to Comorin and Geylon; but I wish to make no affection either way. My own doubts arise from the impossibility of discovering "" those characteristic features, which are so easily traced in the narratives of those who have actually visited the country they describe. The coast we are now to follow, has see bold or prominent distinctions; many rivers, but none large or majestic; many ports, but fitted mostly for the reception of the

⁻ Antique de l'Inde, pours. - The diffrit of Nullminds is an exception to this.

vellels of the country alone; and only two capes worthy of notice, upon an extent of eight hundred and fifty miles.

Another method of inquiry is naturally suggested, by limitarity of names; and of this I thall be as ready to avail myfulf as those who have preceded me in the attempt. Nothing, however, is more fallacious, if the fination he not as correspondent as the name; and names feem to have fluctuated more in India than in any other country that we know : a specimen we have just foen in Tagara, Elore, and Dowlatabad; all three appropriate to different ages, and all now concluded under Arungabad ". The names also of Al Edriffi, in the middle century, differ as much from the ancient names of Prolemy, Pliny, and the Periplus, as they do from those of the cities and difficies which are at prefent in exiltence. Mr. Orme, in the introduction to his illuffrious history, has imputed this to the vanity of princes; and Tippoo Sultan confirmed this remark, by changing the name of almost every place in his dominions.

The great fcope for conjecture, and the very few places which can be afcertained of all these which are enumerated upon the coast which we are now to inveffigate, is compensated, in some degree, by the appropriate description of the provinces or diffricts we are to ville. I agree perfectly with Major Rennell, in confidering this as an object of much greater importance, than the placing of a town or a harbour on the map. And the fact is, that the different nature and properties of the diffricts are indelible; while the fite of cities

" Annugabile takes its name from Au- his generals, and directing their all from this

rangach, and fested here in at Ameningue, point. This bigue, hypotrue, and rerains in To a contribut fittintians. He comied on his in- the primary cause of all the milerly that Himscade into Guiconda, Villapone, and the fintes domai has experienced for almost two conof Severce, trading his armies to his four and turits.

or factualles has been changed, according to the prevailing intereffs of the day, or the caprice of conquerors.

The whole wellern face of the peninfula, from Cambay to Cape Comorin, is nearly equal to fifteen degrees of latitude. This extenfive traft appears upon the map divided into fix provinces, or diffriers, under the names of Cambay or Guzerat, the Concan, the Dekhan, Canara, Malahar, and Travancore ". Correspondent to thefe, we have in the Periplos the province of Barngara, the Larike of Prolomy, equivalent to Guzerat; Ariako " to Concen, or the Pirate Coail, between Bombay and Clos; Limurike to Canara, between Goa and Malabar; the Kingdom of Pandion, answering to the upper part of Malabar, including Calicut and Cochin; Paralis to Travancore, as far as Cape Comorin; and the Pearl Pithery, extentling from Comorio to the Islands of Rami-ceram and Manar. The limits of these will appear diffingly in the profession of our inquiry; and if we fix the boundary of Larike at the Turtl, and include the modern Dokinan of the court within the confines of Ariake, our anaient geography will prove confiftent with the modern divition of the provinces. For, notwithflanding the fluctuations of power, or the change of maffers, these are marked by characteristics that from indelible. The only difference is, that the Periodia has no fpulfic diffrior controllent to the Dekhan, but niles that term, Inits general acceptation, as it is employed at the prefent day, embracing the provinces of the penintula in contra-diffraction to Hindoftan.

Biblionies thrombout the work. Touch to that Popule, the amendpunkent name on Dia Head, is an ollinctive likewife.

[&]quot;Transferrer, through a kingdom of lifett, for Contourne do not seem in the form of is generally likelished in Malmov, as well as Callent and Cochine

Apero, Angenes, Kermenter, not all adjettires with ye complied ; but show, Limpone

The Periplin forms to apply the name of Barngaza to the problace to well as to the port; and this possibly, because at that time Was fuljecture Minnagar; but Prolemy calls it Larlke, and makes it part of the kingdom of Ozene, with the other towns or places on the River Namedus or Nerbudda; and at long as there was a regular Hisdoolpower at Guggin, that sity feems to be the natural metropolis of the country. With equal propriety, the Tagara of Prolence and the Periphies, is connected with the Perate Coult, both comprehended in the province of Ariake, and both fubject to Bileokoorus, whose emplied was at Hippoknoss, improfed by D'Anville " to be the Billiam of Al Edrillian. His title was King of Kings, and he was enancted with another primes or rajah at Baithana, called Stropolesuius III, whom Lieut, Wilford "makes the Salibaham of the Dindres, and his metropolis, Patian. I am not fufficiently informed, to confirm or invalidate their opinions; but I find that the Balahara" of Al Edriffi refided at Naherwalleh ", the ancient capital of Guzerat, prior to Amedabad; and if for Ptolemy would have placed Hippokoora in in harike, and not in Ariake, where it now

" - Annique at l'Indire pe 6de

"Perimo places the Balabase in Concern (Kenskern) as the millionity of Residualist's Archive at Bullionity be formed that Rope, Great Klage, first of in Concern, to in correctly the Balbara of Al Edville. He will, it he Balbara of Al Edville. He will, it he Balbara of Al Edville. He will, it he are promo difference in the Amichita del it Yadia, and at effectionistic time (proportion and non-library). Page He tream nows of us who write at home with greater eviding Hippschools, the capital of Balbara in Protessay and a Resident in his case milweet to Concern and see in Guizza.

" Sei, or Shiri, is an interior title uf enfpect,

Ale Restruction of Them. See inscription at Tapua.

Ale Restruction, vol. 1 p. 367; Landl. ed.

P. Hesterman of Theory, p. 3730

the Bayer, Hift, Reg. Bart p. 19 who sites feeted Oriental authorities, but determine author

Un Statemany, State on Nationallali.

Euppokers a surposed with the relative impution of places word it, might had us to formally a reverse diffant from Poons, the prefere feet by the Malaritz poveromant, were it aim us a size, that comes input the Waltern Sea. Poons is sopro the Calamia, about no miles of the form thereby, and there is no river, as that part of the small, that comes from the other lide of the Chants.

flands

stands in his geography. But I am perfuaded that both Ptolemy and the Periplûs agree in the general divition and relation of Larike and Ariake, and differ only in the appellations they have adopted. The names of places, rivers, mountains, and provinces, in Ptolemy, are as aftenishing as his errors in polition, longitude, and latitude, are manifest. His positions, however, are for the most part relatively right, though they are effentially wrong; and the errors of his longitude, in which he is principally miftaken, must have arisen from his manner of acquiring information-by interrogating the merchants and mariners at Alexandria, whole reports were from memory, and not from journals. But it is evident, that many of thele must have penetrated far inland, otherwise he could not have left us the great outline of truths which is fill manifest in his works, and which makes us forgive all his particular errors, in confideration of the general and important information that we obtain.

VIII. I am now to enter upon the description of this coast, incidentally traced by Hardouin, Robertson, Rennell, Paolino, and many others; but where no one has regularly gone before me, through the whole extent, except d'Anville. His conclusions I shall be compelled to question, but it will not be done without diffidence on my part, and without due respect to his learning and abilities; for d'Anville is the first writer, properly speaking, who has taught us to investigate the geography of the ancients, by tracing the characters of different coasts and countries as they exist at present; to him we look up, as to a master in this branch of the science; and even where his errors are demonstrable, we cannot but respect the extent of his learning, experience, and information.

At

At the commencement of our inquiry, the first information we receive from the Periphus is, that the extent of the coast from Barugaza to Limurike is seven thousand stadia, or seven hundred miles; but as this would carry us, at one step, to Mount d'Illi ", it is rejected by Rennell, d'Anville, and I believe all the writers who have examined the subject. The commencement of Limurike, our author has placed at Nabora, Tyndis, and Muziris. And is it will be reaster appear that these places must be near the northern limit of Canara, and that therefore we have every reason to conclude Limurike has nearly the same limit as that province, we cannot take off less than two hundred from the seven hundred miles, to preserve the proportion of the coast. This is one reason, among others, which may induce a doubt, whether or not the writer of the Periphis performed this part of the voyage himself.

The first places mentioned, upon leaving Barugaza, are

Akabaress ", Ospara, and Kalliena.

In

to to emilacration of this circumfunct, and my general dependance on the mentures at the Periphis. I was originally dispoted to coulder Araka is comprehending the whole coult, from the Tunti to Mount d'Illi ; and if the Province of Limbride were to commence at that capre the illamb off the could of Liminute, that quadoce the tornile-thell, menting to the Petipins, and which may be well affered for the Lack Diver, correspond hence. with a Limitrike fouth of d'Illia than porth-But the Strong ground that Rennell las taken for affiguing Nelkumin to Neli-cerum t the consumitances at that place according to effect tinily with the sweigst adminit ; the distinguit between Limurike and the Kingdom of Pandline that is, Comes and Mutcher; suideficto the correspondence of the disade on the snall, made me profes the accomponent which I have adopted. The detail of this of D be explained at large as we proceed.

It is not afficienties, as a love of dispulseity, that indicas me to affirm the Greek happs, rather than the c of the Latins, or the English distribution or, for the Greek is 1 has a hope that the true found, and true atthing capity, may direct the eye as the ear of modern travellers, or verigity, to the differency of ancient name. The difference of European names by Oriental widers is affording to us; and, our mode of expecting Oriental founds, received by the ear, must be equally offunding

In regard to Kalliena, all fuffrages " are united to fix it in the neighbourhood of Bombay; for Bombay is upon an ifland, close to which, on the main, was an ancient city called Gallian. The ruins of Gallian flill remain, and are noticed by Fryer " in 1675, as the most glorious ruins in the Dekhan the Mahomedans ever had to deplore. His account proves it to have been a city of the Hindoos, and ira fituation commanding Buffeen, Salfet, and Bombay, gives it a pre-eminence as a mart of commerce in all ages.

But if we have so much concurrent testimony for fixing Kaltiena near Bombay, we have almost two hundred miles of coast on which we are to look for the other two places named; and if Ospara be the Scopara of Prolemy, as is generally allowed, it must be a place "s of some note; for Subara is joined with the mention of Cambay, in the middle ages, by Al Edriss. It is supposed, by d'Anville, to answer to the Sefareh el Hende of the Oriental geographers, in contradistinction to the Sefareh el Zinge on the coast of Africa, which is the Sosala of the Portuguese; and these two Sosalas, one in India, and the other in Zanguebar, are supposed to be in constant babits of mutual commerce and correspondence, by means of the alternate monsoons.

An intercourse of this kind between Guzerat, and the coast of Africa, I have mentioned in the former part of this work, which

to their posseptions. Ebs Hankel writes Sahalish, Abrites, and Kilnes, p. 53: which would certainly require fone attention of the mind below a common scalar sould althouse that they are Skillis, Cyrta, and Cypro-

Court, Remails Reservior, d'Arville, &c., Colins his Carasja in the inchess of Bombars

de Come, lint Fragments, note 30:

It was the fee of a hillow, as early as the frath century. What is of Knithasen it retar apply and Reference, in the Heriba gaperapour. Ceffets Poolitie tree. That is, from Moful of Marco Polo. Libria c. 6.

Supara fignifies a folendid city. A. Hamilton,

Pages 145, 146. 353

the Periplus describes as previous to the voyages of the Greeks in the Indian Ocean, and totally unconnected with them; conducted by native merchants on both fides, or by Arabs, who were carriers, for both. On this latter point there can hardly be a doubt, when we find that the veffels employed in this trade fometimes discharged part of their lading in Zanguebar, and proceeded afterwards to Arabia; and when we learn from the fame work, that most of the fettlers on that coast were Arabs, and several of the places subject to the different theiks of Arabia, as they are at this day. Thefe ere the large veffels from India, which Agathurchides describes as early as the time of Philadelphus, found by the Greeks in the ports of Arabia; and from which they obtained all the commodities of the Fast before they went to India themselves. This commerce we may carry back to the ages long antesedent to history, and conclude, that as the monfoon must be known to the inhabitants of both coalts. from the time they were inhabited, fo must the communicationhave been opened from the earliest period in which mariners ventured to commit themselves to the ocean.

It is almost superfluous to add, that the Sefarch both of Africa and India has been converted into the Ophir of Solomon, as it has fuited the hypothesis of different authors, to carry his seets to the east or to the fouth; and fortunately, both opinions may be maintained or combated, without danger of controversing the authority of scripture.

After all these various particulars, which are lest to the differetion of the reader, there does appear something of importance in the circumstance of Scoppara continuing a place of note, from the age of Ptolemy and the Periplus to the time of Cosmas and

the day has been proposed from the last of the last of

Al Edriffi "; and it feems not impossible to determine its fitnation. by observing that Ptolemy places it on the north of the first great river south of his Namadus, or Nerbudda: this river must be the Papti, and the place north of the Tapti must be Swalley, or some place mear it; in the front of which lies the road of Surat. How d'Anville could carry this down to Sifferdam ", feventy miles fouth of Bombay, when he unites in supposing Kalliena and Bombay to be the fame, is inconceivable; but as he places his Sefarch el Hinde there also, the resemblance of a name has made him different the arrangement of his author; but if the author has any meaning, Soopara must lie between Baroache and Bombay, and moll probably in the vicinity of Surat. Surat ittelf is faid to be a modern " city ? but a mart in its neighbourhood must always have commanded a great access to the interior, as the Tapti extends upwards, from the fea, full four hundred miles, and communicates by its branches with a variety of diffricts which are rich and flourishing. It is this circumitance which has made Surat Superior in commerce to Baroache, for these three last centuries, as being entier of approach : and whatever city supplied its place on the Tapti must have partaken of these advantages, and such apparently was the Soopara, or Ocharaof the ancients. It is very remarkable, that Rennell has an Odlnar a little to the north-east of Swalley, in his corrected Map of India; but as he does not mention it in his Memoir, I cannot discover whether it is ancient or modern-a city or a village. I build little upon fimilarity of names; but as many gentlemen, now in England,

Cambay in Al Edriff, I had hoped to cornect wanderings. it with the Suppara of Ptolemy, Imt I think he means to place it north of Baronche, which is proved by Capt Hamilton, in he calls Bernh; if fo, it will not answer our his Account of the East Indies, val. i. p. 144.

By the repeated mention of Sulara with purpose. But I calabe always follow the

Antiq de l'Inde, p. 1044

have been refident at Surat, if any thing thould have occurred to their observation, they will be gratified by the introduction of this name to their resollection.

For Akabaroos I can find no reprefentative; it may be fixed any where between Baroache and Surar ; but as there is a finall fiream called Kim, by Orme, in the intermediate space, it is here that it mould be looked for, were there any thing to direct our impairies. But this place was apparently feldom frequented, and therefore it is not to be expected that much information should be left us by a merchant of Alexandria.

To return to Kalliena, the last name of the three mentioned: I join most reasily in opinion with those who have preceded me in the inquiry; and confider the tablets discovered at Tana in Salfer, as a mion valuable monument " for connecting the government at Tagara with the diffrict on the coaft, It is foreign to this work to enter into the prefent flate of Bombay, under the power of the English; but as the first factory of our countrymen was established at Surat, it is interesting to observe how the acquisition of Bombay has enabled them to extend their influence over Surat, Baroache, and Cambay; to occupy the commerce of Guzerat, and to poffels the power of dominion in thefe marts, where the Romans enjoyed only the privileges of merchants.

In the age of the Periplus, Kalliena was little frequented; in the reign of a former fovereign, flyled Saragan, it had been un eftablithed port of commerce; but Sandanes ", his fuccellor, admitted

Al Edidle preferes the game of Sandas

"Their tailers, containing a grant of applied to a most five flations, or 150 miles, of a relate or lovereign, it wholly dahlore.

hand, have been minimized before; and if the below Subless. The fittersless in any madical commer of writing. Pagers by Breval, the evi- but whether it has my allacion to the name direct is complete.

none of the vellels that came from Egypt; and if any entered the harhour by arcident, or firefs of weather, he immediately put a guard on board, and compelled them to go to Barugáza. This circumstance, Lieut. Wilford observes, favours strongly of an improper conduct in the traders, or might arise from the jealously of a native power. The Romans shewed their influence, by ereding a temple to Augustus at Muziris; and if we suppose an attempt of this kind made at Kalliana, it bears a resemblance to the encroachment of Europeans on the natives, as well as the intrusions of the Arabs and Mahomedans. If we could have connected these governors, or rajaha, of the coast, with Mambarus, the sovereign of Ariake, or fixed the residence of Mambarus at Tagara, Pithana, or Hippocoora, our picture would be complete; but on these points the Periphicals filent.

The ports or marts in fuccession " below Kalliena are

Scoulia, Mandagora, Palaipatmai, Melinogara, Toparan of the Bonantians, Turannosticas, the Islands Sciences, the Island of the Aigida, the Island of the Kametai (in these places are the Pirates); and, after these, Litali, or the White Island.

How this enumeration can have milled those who have preceded me in the inquiry, I cannot say; but to my apprehension we have the Pirate Coast, between Bombay and Goa, as manifestly delineated as we could require, and to that diffrict our attention must be confined. On the primary point, indeed, of a coast insested by pirates, there is little difference of opinion; Ptolemy and Pliny are both in harmony with the Peripius, and modern writers are generally agreed; for pirates there have been in all ages, as they are here described, till the Severadroog of Angria was taken by the English in 1765-But when we have obtained the coast, why any one should travel out of it to find modern names correspondent to those of our author, is not easily reconciled to the canons of geography. All their names are given as what our feamen would call country ports. frequented " only by the natives; and whether we can find reprefentatives for them or not, is of no great importance, if we can mark the limits of the provinces; to effect which, the modern divisions of the country may be of great affiliance. Orme or has observed, that the Mahratta language is spoken from Bardez, or Goz, to the Taptic and these very limits I would assign to the Ariake of the Periphis. It is well known, that the divition of provinces often furvives the revolutions of empire; the habits of the natives, and the boundaries of nature, are not always subject to the viciflitudes of conquell; and as the Tapti was the probable limit between the government of Minnagar and that of Mambarus, on the north; to on the fouth, there is a natural boundary between Gos and Canara; where we are also to look for the termination of Ariake, and the commencement of the Limurike of the Periplûs.

For the fituation of the few correspondent places, which I thall propole for the confideration of the reader, if the proofs should not amount to conviction, I shall at least do no violence to my author, or his text : I leave every thing free for diffiultion, as I find it ; and even if my deductions thould be erroneous, they will affect my own

func emporia verancula, quilon regioni incola V. 14namma utantur; and I complade of in the true " Hitler, Fregue p. 57

Remirred by Hartime Post California site formediately follows; and also by come which

arrangement

arrangement only, and millesd no one who is dispoled to profecute farther inquiries on the fabie Q.

D'Anville has transferred the four first vames of the catalogue from Ariake to Barugaza, or Guzerat; knowingly and delignedly " rejecting the order of the journal, and placing Semulla at Summaut Pagoda, Mandagora at Mangherour, Palaipatmai at Patan, and Byzantlan at Bifantagan; now, reckoning only from Bombay, this is a displacement of an hundred and fifty miles; while Fra Paolino, who corrects d'Anville, and contemns all writers who have not been in India, carries Mandagora to Mangalor in Canara, and Palaipatmai to Baleapurna near Tellicheri, and Kalliena to Calanapuri 111 near Mangaloor. There is only feven hundred miles difference in the difpolal of these names respectively; and a work which can admit of this latitude of interpretation, is either not worthy of a comment, or the different commentators mult have preferred their own fyllems to all the evidence of their author.

To a common inquirer, the language of the Periplus is perfectly confittent; and if a refemblance of names has milled men of superior information, it ought to let others more especially on their guard to follow the arrangement of the work which they have undertaken to explain, and not to cred fystems of their own, which can be sup-

The Pirate Coast was not formerly, and is not now, to totally inhospitable as to exclude all intercourfe ! the Portugueto had fettle-

WHITE THE PARTY

[&]quot; P. 100. Upon the whole of this there to the morth, or the fauth, of Aightin in the is only one quellion to propoler Boes not Periplied

[&]quot; If no find point grow spend I see qu'en Paullen allon Algidii in be the Angelders? The maker commet past former de transferine serve pe revert and if the deer, alid he ever afte him-til. Antique de l'Thire, p. 1981. (all'the quantion, whether these perm simple not

ments at Daman and Batteen, north of Bombay, as well as at Choul and Dabul, to the fourh; and it is a conjecture highly probable, that the Zizerus of Pliny, and the Meli-Zeigara of the Periplus, were at "Siddee-Zyghur", about an hundred and forty miles fouth of Bombay. - Pliny " informs us, that the fleet which left Egypt early in July reached Okelis in thirty days; and then employed forty more, in croffing the ocean with the monfoun to the thores of India. The point where they left the coaff of Arabia, was Syagros, or Fartaque; and the port they directed their course to, was Zizeruc This had been the utual track, but was not a late one, because of the pirates which infefted the coaft, and which made it necessary for the flips not to fail without a body of archers on board; for this reason they had been latterly obliged to change their direction to Muziris, though it was a more inconvenient place to receive their lading, and ftill not fafe from the attempts of the pirates in the neighbourhood. In the first instance, the pirates were on the coast;

Gas, It is arrate Sudisb gav in the Oriental Natigator, p. 220. It is the fort of Carwar, aim! Batally diffract from Solder Zyghur wear. Rejupore, deferring mi the Original Navignor, p. 266. This fort of Remell's a fittalled on a high point of land, and being remarkably while, becomes very confinences at less If the plant of fand had been find to be unite millered of the fort. I mound have concluded that I had found the Leuke, or White Idland, of the Pengline.

"Zyghue pullubly takes the addition of Solder from the Sidders, a mixed breed of Abyllinians, Narious, and Callren, established is Villapoor, and maffers of a fleet upon the coult, employed by Aurunguebe against Se-

" Major Remail has a Sedadleyour below sugger. Orms form, they were a hold; serocome men, and exectind all the savigators of India. Holi, Hengments, p. 81. But Cape Sudden is likewife written Cape Zeyd, and Cape Z. Zyghur, however, may be a place of modern date; I can find so other proof of its auxiquity their what is here; given, mid . therefore propose the whole with great hafttation-It is written Jaigur in Moore's Narcative pp at 9 and Jaighor, by the same anthur. Gur, or guar, was just, what is Zy? or just or Zeal?

" Like the casts

" Ante estiva rania Pling .- Salmafius fays, the Romers reckoned the 19th of July as the rilling of the Dog Sture 1188.

in the ferond, in the neighbourhood. This exactly agrees with the Periplits, which places Muziris, not in Ariske, but Limitrike; and when we come to Muziris, we shall find a farther correspondence that appears conclusive.

I with to build no more on this conjecture than it will hear ; but as I have found the utter impossibility of assigning positions to the places named in the Periplus, and pretend to nothing more than preferibing limits to the province, even a conjecture of probability is worth fomething on a barren fubied; and to another, which must follow it. I attach no greater importance,

Ptolemy has the Semulia, Balepatna, Byzantium, Mandigura, and Melizigeria ", of the Periplus, all upon the Pirate Coaff and on that coaft, therefore, they undoubtedly existed, and not in Guzerat, where D'Anville has placed them, or in Malabar, whither they are carried by Paolino. That good Carmelite informs us, that Bale. patna " fignifics a great city; it is no great force, therefore, put upon this interpretation, to make it the great city, the capital, or the relidence of a fovereign. And on this couft we have two Rajapoors. meaning, literally, the City of the Rajah. The most northerly of thefe, called Dunda Rajapoor, does not diffigree with the Balepatna of Ptolemy. The diffortion of his maps, however, does not allow us to speak with precision on the Subject ; but if his Semulia be St. John's Point (which it is more like than any thing elfe), his Bale-

to Mellergreis, in Prolemy, is as idead, the brilliary in their millal count on the read Meli reignes of the Pospilla on the continent. and the Z inter of Zingma of Phay is a vices and port. He mand at Professy see in Inch Mileson ; on the court of Gallinia, and mthe Rid Sol, ther there is suthing extra- most, \$1,492;

of India. His digitation is carried down to-Caylon.

[&]quot;So Heliospiniting great Johns. found in city. Moor's Narranges of Little's Details-

parma lies fomewhat fliort of two degrees lower down than his Semulla, and Dunda Rajapoor lies nearly at the fame diffance from St. John's: If I gain nothing by advancing thefe conjectures, I'm leaft do no prejudice to my author; for his Palai-parmai is fulfequent to Kalliena, and his arrangement is not difordered by the prefent Appolition.

But where there is to little certainty attainable, it will be fome pleafure to reft at last upon a point that presents us something like truth. This, I am perfuaded, I have found in the islands that terminate Ariake-the Concam of the moderns, the Kemkem of the Arabian geographers, and the Pirate Coast of all. I assume, then, the Sefekreienai of the Periplus for the Burnt Islands, or Vingoria Rocks of the Charts; and the two illands of the Aigidii and Kainitai, for Gos and Murmagon. Kainitai is faid to lie close to the Cherfoncie : ; and one only Cherionele I find on the whole coast, which is Saleet, furrounded almost by the Sound of Goa, and the River Nercogal, and fo confpicuous, that it may be confidered as a certain proof of a polition not to be relifted. It is true that the Angedives are not forty miles from Goa; and the refemblance of Aigidii to Angedives, has induced a general belief that they are the fame; but the mention of two islands diffinctly, and the vicinity of the Cherfonele ", preponderate against all fimilarity of names; and the boundary of the two provinces, which immediately enfues, added to the previous circumstances, makes the evidence complete.

fantic, but a promentory only. Should I be "The appearance of a Cherfonele is not millaken, it is an error only of forty miles-

[&]quot;It have the beginner Machine.

to manifest in Remest's Map, as in that of moderate enough in comparison of fever handomer; but the point of which the Angelius dred. lie, cannot in any tends be drived a Cher-

The Burnt " Islands, or Vingorla" Rocks, are a cluster not " very well known, till lately, in lat 15° 52 30". They lie fix or feven miles off flace, on a tract inhabited by a piratical tribe called Mulwans, and are reckened twenty " in number, fever of which are finall iflets, while many of the others are barely visible at high water; and there is a good channel between them and the main-The bare mention of fuch a group in the plural, with their relative figuation in regard to the Blands of the Aigidii and the Kainital, feems to qualify them for the representatives of the Burnt Islands ; while the Firstes, in their vicinity, adds to the refemblance. Their diffance from Goa is little more than thirty miles, and no other Island intervenes.

It is only the two islands of the Aigidii and the Kainitai that I affign to Goa; that is, Aigidii" to Goa, and Kainitai to Mur-

minus Angeless men, and a fee Agella, and a the Kanadan and wer days only Reprinted and as with a low Character from more more from himself

It is manifell here that we have been and we Kamere, are joined as that seem is during unhed reparately by area radius. D'Asville interprets Assess hircorum, and not witheat prohibility a for good were placed on nofalled ited illands by morent as well as modern may store, but I have not found the cimiuntive Angles fixed 413. Div., on files, a scritten Acid by Colman, and Acid and tr Age would be literally Gent Illand

" Spickrewent, at I milerfluid from Me Hamilton, ligning block subbits. The caprice those by framen in the names they siffigure to places, may expute the introduction of the term. Whether the liters themicircy in eronching like their animals, ar whether salehits have been deponent here like goals on other uninhabited (pors, for the use of mayi-

If The text is . . . Themest Cont. Elie Tares: gutors, I have no means of aferraming | his as trivial a circumflance as this may, fame time or other, had to the discovery of truth The paties of the confi, no doubt, here a name for them; the sittle we got them is detived only from their vicinity to Vingurla, un the continent.

Remell's Memoir, P. 31.

" In the Oriental Navigutor, pl 217. This there are ferry principal rocks, or lifers, in C. Hoddart's Chart, by Mr. Dairymple. There are also plant of Vargonia and diministrations. the relidence of the Malman or pirates of Melandy, aming Mr. Daleymple's drafts of places on the court of Milabar.

Aigido, or Algidir, comes forces Angedice, that it is affirmed by almost cours within on the fullect p and if it lied proceeded the Charlesty, infrart or tailowing it, would have bers conclusive. For the pour off which the Augustite him would I think, to called a Cherforele by no ancient author.

magon:

magon; for Leake, or the White Island, is separated from them by the text, and I have little helitation in carrying it to Angedive. This difficultion would account for all the iffands upon this part of the reall; and place them in a relative fitnation perfectly confiftent with the Journal. Rainital cannot be quellioned, if its vicinity to the Cherfonefe be confidered; but the affumption of Leuke for the Angedive I would leave to the determination of any Navigator acquainted with the coaft, who could aftertain whether it has any appearance of whitehels " to diffinguish it from other Islands.

The Angedives fignify five illands; and Prolemy has a Heptanefia, or group of feven Islands, intended to represent this cluster, but for miliplaced, as not to admit of any conclution from it. One of thefe only is inhabited and fortified" by the Portuguefe, who have a garrison here composed of malefactors exiled from Goa; the others, whether more or less than the numbers which give it different mmes, are only iflets or rocks. The paffage between the principal illand and the main is clear; and this affords it a prominence, which may have entitled it to the notice of the Periphis.

In the Sound of Goa, there is one principal illand on which the city itielf flands, with others in fmall, that they are linie noticed: all which had afferded a place of refuge for fuch Mahomedans as had been driven from the Hinduo poets or cities on the continem, before the arrival of the Portuguele. Here the Mahomedans of the peninfula collected, who intended to embark for Judda, and perform their plightnage to Mecca. This alone was fufficient to make it a

It I have myfulf from I no white iffend with the part of the coall where we now not

" Oriental Navigators p. and. It is a mile

neares than the Jacobier Rock more Canent, Copp. H. Carawell a Remarks, po 46s mention which is and mine from C. Kernys. Then this chirocoly is I am informed. react to white with rise mure of hirdre land it to the distant to enter take any atrangement. Longs that we be much broad.

Part of importance; and the more fo, as we may conclude that the Plindon had no influence and no there in the government; for the Mahomedans had established themselves here, as the fugitives on the coast of the Hadriatick had done on the islands which now compose the city of Venice; and they seem, like them, to have formed a community, which was diffinguished by the name of Tricuril, or the Thirty Villages. The Portuguese, from their light arrival, had conceived a design of occupying this position: they first bulk a fort "on Angedive, and in 1510 Goa lifely was taken by Albuquerque; it was recovered again by the Mahomedans the same year, and finally recaken by Albuquerque in 1511. Under his auspices, it became the head and centre of all the Portuguese settlements in India; and is still in their possession, after a period of three hundred years.

D'Auville is disposed to place Goa at Neikunda; that is, at the southern, instead of the northern boundary of Limbrike; but he is not satisfied with his own supposition, and abandons it. He fixes, likewise, Aigidir at the Angedives; to which Paolino affents, without reflecting that there must be two islands together, connected with a group preceding and a single island following. These circumstances cannot accord with the system they have adopted; but are perfectly consistent with the Peripius, and the disposition I have assumed. I have no predilection to this arrangement, because it is my own; but I have tried the Januard by the best charts I have of the coast, and can find no points, either to the north or to the fourth, which will correspond; and therefore conclude, that by this every thing is done for obtaining the truth that the text will admit.

[&]quot; Almoyde, secondary to D'Anville (Antiq, do l'Inte, 110), bid the foundation of a fire

But the division of the provinces remains still to be considered; and the termination of Concan is fixed by our charts at Cape Ramas, about two-and-twenty miles fouth of Goa; near which is Carwar, once an English factory in the territories of the Soonda Rajah ; and the juriffliction of this prince is faid by Capt. Hamilton to extend from Cape Ramas, about fifteen leagues along the coast to Meerzee, or Meerzaw. This tract, including the Angellive and the cape off which it lies, I should wish to comprehend within the limits of the ancient Ariake, and I think the modern boundaries favour the conclusion; for the kingdom of Canara does not commence but at the termination " of Soondas and though I cannot alcertain that the epall, north of Goa, called the Dekan, or fouth of it, called Sounda, are confidered as parts of Concan ; yet it is very clear, that the limit of Soonda and Canara is at Mentzee. At Meerzee, therefore, I affilime the houndary between Ariake and Limitrike, guided by the Leuke of the Periplus, as the last place mentioned in Ariake, and by Naoora, as the first place mentioned in Limurike. This allumption, if correct, will reconcile the politions on the whole coult, from Goa to Cape Comorin; and if erroneous, confines the error within the diffance between Murmagon and the Angelive; an error, at the utinoil, of forty " miles; moderate in comparison of the difagreements between d'Anville and Paolino; and caufing no diforder in the arrangement of the provinces, but fuch as may be remedied by she most transient reference to the map.

The province of Ariake was under the government of Mambarus,

and Limitrike, which we now onser upon, was Judgett to Keprobotas, comprehending the modern kingdom of Camra, and terminating on the fouth with the kingdom of Pandion, which answers to the Malabar of the present day. The ports of this province will be treated of in their regular order; but before we descend to particulars, let us survey these four divisions of the coast, as they stand in the Periplus, corresponding with the present distinctions of the provinces; let us add the possibility of assigning the respective limits in both instances, and then ask ourselves, whether this is not a more rational way of interpreting our author, than by searching for a resemblance of names, which has misled so great a geographer as d'Anville; and in which, if it were reasonable to indulge, many new similarities might be discovered, that have not yet occurred to any one that has prosecuted the inquiry.

The province of Barugaza, answering to Guzerat, under the power of Minnagar, commencing at the Indus and terminating at the Tapti, is the first. The second is Ariake, subject to Mambarus; a sovereign whom we might compare to Sevagi, or a Mahratta power of the present day; bordering north on Guzerat, and south on Canara; of the same extent as the Pirate Coall, and distinguished at this day as fixing the same boundary to the Mahratta language, as to the province, ancient and modern. Limurike is the third, with its northern confine at Cape Ramas, and its southern previous to Nelkunda; corresponding with Canara, which commences at the same point ", and has its southern limit at Decla. And builty, the kingdom of Pandion as a fourth division, equivalent to Malabar Proper, succeeded by Paralla and Comari, and terminating with the Pearl Fishery and Ceylon. Let us, I say, contemplate

" Orne, Hift. Frug. p. 23.

this general picture of the whole coall, from the Indus to the fouthern cape of the peninfula; a space comprehending fourteen hundred miles, through the whole of which the ancient divisions are found conflittent with those of the present day; and we cannot, under all these circumstances, fall to acknowledge the information of our author, and the importance of the work he has left for our intruction.

After this comprehensive view, the contention which may arise about the appropriation of individual names to particular ports, towns, or stations, is a matter of very inferior consideration: my conjectures or affertions may be disputed as well as those of others, who have traced the same ground; but till the great outline which I have traced can be obliterated, the service rendered to the science must be acknowledged.

Many of the gentlemen now in India are possessed of minds illuminated by education, and flimulated with a defire of enlarging the bounds of science, or affifting the inquiries of literature : these, in their respective fituations, must have acquired a local knowledge, which cannot be obtained by those who draw their information from written evidence alone. To fisch men as these I have made a conflant appeal, and inbmit the deductions I have traced to their correction; particular errors there may be, but by the general division of the provinces. I leave a guide to all that may be disposed to further thefe inquiries, and a rule for rectifying every thing in which I may have been miftaken. Still the investigation should be made. not by thole, like Fra Paolino, who drew every thing to Malahar, because he had refinled thirteen years in the province, but by men of enlarged mind and general information, qualified, like Capt. Wilford, with classical learning, and a knowledge of the native language;

guage; enabled to direct their view to ages past as well as present; and possessed of comprehensive faculties, which can embrace the general state of India, as well as the particular province in which they happen to have been employed. From men of this stamp I shall experience every indulgence; and if they should acknowledge that light has been thrown upon one of the most obscure objects of inquiry less for our discussion by the ancients, I shall rest satisfied with the result of my labours.

IX. LIMURIEE

How d'Anville could be perfuaded that this province was the representative of Concan, is inexplicable; for Pliny, whom he chiefly follows, says expressly, that Muziris was not on the Pirate Coast, but in its neighbourhood only; and the Pirate Coast is as clearly defined by all our ancient authorities, as by the modern accounts. Cape Ramas, as its northern boundary, and Nelkunda, in the territory of Pandion, as its southern limit, mark the confines to precisely consistent with Canara, that we cannot be mittaken. These likewise are the limits of the language "at the present day, which is a distinct dialect from that of Malabar on the south, or the Mahratra language on the north; and this is a characteristic less successing than any division of the country that conquest might produce.

The ancient kingdom of Canara embraced a large part of the penintula, the capital of which was Bejapoor ""; but the modern

Commonly willten Visionous Several

difficia

To La lingua Canara, the corre nel regno of the ministra have no v, and others no has Commo dal monte d'Angelino a Goal. Produce, junt a are likewife perpetually intercharged or conformaled.

diffrict of that name was chiefly on the coall, with its capital above the Ghauts. It was an independent flate or kingdom, till it was reduced by Hyder Ali in 1765; and it was at that time governed by a queen ", who had driven out the rajab, a child of nine years old, in favour of her brother. Under pretence of affiffing the deprived rajah, Hyder entered the country, laid fiege to Bellmoor and took it, and, in a very thort time after, fent the queen with her brother, and the young rajah, into confinement in one of his hill forts near Bangalone. Bednoor, the capital, is rendered famous by the defeat and death of the unfortunate General Matthews in 17831 and was confidered by Tippoo Sultan as a fortress of sufficient firength to confide to it a very large portion of his treasures. The conquell of Canara gave Hyder and his fon a communication with the coalt, and opened the way for farther incurfions to the fouth, which were profecuted to the devaffation of Calicut and Gochin, and directed against Travancoor, when they were fortunately checked by the affiftance of the English. Tippoo Sultan had likewise the ambition to become a maritime power: he built a frigate, and fitted out a fleet of the country veffels of war, with which he undertook an expedition to the Muldives, and added to his titles, that of Lord of the Thousand " Hands, Had he succeeded in his deligns, he would have extended his dominious from Myfore to Cape Comorin, and extinguished the last remains of Hindoo government in the peninfula, except the Mahrattas.

This fhort recapitulation is not foreign to our subject; for though we hear much in history of the mild and gentle spirit of the Hindoos,

[&]quot; It was regularly governors by a queen. "The entrees flyle their formerign, King C. Hamilton's Account of East Lenine, vol. i. of rayour limiter. Harries vol. i. 677. p. 479.

they were as much enamoured of conquest as the Mahomedans; and in the age of the Periplus, a king of Madura, (the fovereign of Paneli-Mandala, the Pandion of the ancients,) had extended his power from the eaflern to the wettern fide of the peninfuls, and was mafter of Malabar when the fleets from Egypt first vilited the couff. The king 100 of Limurike, and the king of the country fouth of that province, that is Pandion, are faid both to have their relidence inland by our author; and Pliny adds, that Pandiou fived for inland, at the city of Modufa, which Ptolemy calls Modoora, the metropolis of Pandion. The conjecture, perhaps, will not be admitted; but it feems as if the power of Pandion had been superfeded in Malabar, between the age of the Periplus and Ptolemy; for Ptolemy reckons All next to Limurike on the fouth, and takes no notice of Pandion till he is past Cape Comorin, and comes actually to Madura, on the caftern fide of the peninfula. Not that his caft and well are on the two faces of the angle, for they are on a fluc; but he is relatively right, though effectielly miliaken.

In the limits of Limitike, Photemy is nearly in correspondence with our author; for he commences with Tundis, omitting Naoors, and finishes with Becare, which is close to Nelkunda, and Nelkouds in both is the first port of Malabar. Prolemy, indeed, preferves many names more " than the Peripting for he feems, upon all occusions, to injert every name he could collect, and the merchant

prefent. C. Hamilton shroughout confiden much themselves by the name of Pand or Casara as the method commercial the chall ; but plimitered by the Maleratine, Malelane, and Araba. Such & work as the Oriental Distington must mouse every place; a muschang only thate alure he traded. This is examily the difference between Problem -1 the Periplus.

The nurser, A am informed, full diffu-Partico.

[&]quot; The king of Camma might has above the Charte, as well as the union that Hydio deflate will by the exprise of Beduny.

Many more appear in Chipt. Hamilton's recount than you have occasion to notice at

fpecifies those only that were frequented for the purposes of commerce. He has only three in this province—Naoora, Tundis, and Mooziris; all diffinctly marked as subject to Keprobotas, and in a different district from Nelkunda, which was in the kingdom of Pandion.

It is remarkable, that not one of these three places is accompanied with any local circumstances sufficient to determine their position; but Mooziris is five hundred stadia south of Tundis, and Nelkunda at the same distance south from Mooziris. If therefore we could fix Nelkunda, though in a different province ", we ought to measure back these twice five hundred stadia, as the only means of direction that we pusses.

The following arrangement, therefore, I offer, with all the diffidence that the obscurity of the Journal demands: I have perfunded myself that it is correct; but I should not be surprized if my deductions should appear inconclusive to others. I have followed the only clew I could discover; and if any one, who has paid attention to the shipest, should find better ground to stand on, I shall readily relinquish my own, and yield to superior information.

For the polition of Nelkunda, I am obliged to Major Rennell, who is the first geographer, as far as I have learnt, who has fixed it at Nelifuram. That he is correct in this, I am perfuaded, admits not of presumptive proof only, but demonstration:

For we may first observe, that Nelisuram is not only a mart itself, but gives name to a district. This diffrict is not in Canara, but

^{**} Nelliceram with a different province, for p. 189, who makes Decally, or Dekla, the the boundary wall is at Dekla. Lee in Ro- limit, cuerte. —See also Capt. Hamilton, vol. i.

Malabara the frontier of Malabar, the boundary wall " which cond from the fea to the foot of the Ghauts, is at Dekly, or Dekully, immediately north of Nelifuram. This wall is ftill vitible; and this in a peculiar manner makes it correspond with Nelkunda, which was the first port in the kingdom of Pandion.

2. A fecond proof may be derived from the name itself, which Orme writes Nellea-feram. Nella, according to Paolino ", fignifies rice, and Ceram a country; and if Nella-ceram be the country " of Nella, Nel-kunda must be the fort of Nella, resembling Gol-conda, Inna-conda, or "Conda-poor, on this identical coast of Canara.

g. But the last and best testimony is that of Major Rennell himfelt ", who mentions " a large river, named Cangerecora, whose
" course is from the N. E. and which falls in about four miles to
" the north of Mount Dilla; previous to which its course is parallel
" to the sea-coast for about eleven miles", being separated only
" by a spit of land. The forts of Nelisuram, Ramdilly, and Matte" loy, are situated on this river, which is joined by several others
" that descend from the Ghaur mountains, which in this part ap" proach within twenty-two miles of the coast. I cannot help con-

"Orme. D'Anville, Antiq. de l'Inde, p. 112. — The conft of Camera extende to "Declah, eight or nice leagues much of "Dilly." P. 222, 223, Oriental Navigator.

Batecola, between Oncer and Barcelour, has the fame meaning. Bute or Pate rice— Colon country. Voffice at Mel. 10. iii. y.

I have been trusted with feverity by the Orientalitis for encouncing on their province; but in Iodia, every users of a place is figurificant; and perhaps in every other country, if we could trace the language which first affigued them their respective titles. In this

influence, however, the expendings is not mine, but defineed from an Oriental Grammarian, and I im only accountable for the deduction. I ought to add, that, according to his made of interpretation, Conside poor a identically Cafflictio.

" Memoir, p. 28.

"Capt. Hamiton calls it a fine, deep siver, which keeps its course along flure eight lengurs, at a how that diffuse. It diffusbogues infell by the fact of Manut Dally, over socks and famile, in a channel half a league broad. Vel. i. p. 29%.

" fidering

" fidering this Nelifuram, which is fituated twelve miles up the

" river, as the place meant by Nelcynda or Melcynda, by Pliny, and

" Ptolemy-a place vifited by the Egyptian and Roman thips."

Let us then observe, that the Nelkunda of the Periplus lies actually the same twelve miles up the river; and after this ask, whether all these circumstances can be accidental? for if the correspondence is evident, it is but reasonable to assume this proof as a demonstration.

It is with the most anxious solicitude that I have concentrated all these peculiarities to a point; because I shall want all the authority of to able a geographer, to support the conclusion I shall draw from his premises; and though he supplies me with a basis, I am not certain that he will be pleased with the superstructure I shall raise on his foundation; for, grant that Nelkunda is Neli-ceram (which from every kind of evidence I am permaded that it is), and it will immediately follow, that Onom, Barceleor, and Mangaloor, are the

NAOORA, TUNDIS, AND MOOZÍRIS, OF THE PERIPLÜS.

These are the only places mentioned in Limitrike; they are the principal places of Canara to this day. Napora is the first port of Limitrike, as Onnor is of Canara; and Moczinia'" so precisely the

lu0,

The finglish generally write and programs two, Mangaliye, See, her Parlies from the Collies form, a town, and the Italian is It the English are.

Column informs in, that Magnetities [Mangal 2] we consider finite contary, our of the principal parts for the experistion of pages. The male of the experision of pages, The male of the experision of evidence; but the afternability the

entiquity of the more, is far back as the first training, is fill more in our train. See Column in Theremat, p. 5 d. Norm Collectio Patrion, in line, Mangaline is permoneced Mangdon by the materia, argenting to Capt. Moore, Surreleys, p. 471. A such of experiently interchanged in Period and Arabic, Pariod informs on, that Mangaline in lightless the Your of Falisty, and Mangalis pariod.

last, that we have been obliged to encroach upon the succeeding province before we could difcover it. But the difcovery will be now complete; for the Periplus places Mooziris fifty miles north of Nelkunda, Tundis lifty miles north of Mooziris, and, if we affume a third fifty north to Naoora, we have the whole three ports as precifely as we can open the compasses. I request the reader to refer this inquiry to the maps of Rennell, de la Rochette, d'Anville, or any other rather than my own, to remove all furpicion of accommodation, and to affure himfelf of the certainty, not upon my affertion, but his own conviction. It is true that I am directed to Oneor, in some degree, by its similarity in found to Naoora, but much more throughy by confidering that Napora is the first port in Limurike, as Capt. Hamilton writes that " Onoar" is the north-" ernmost port of Canara." And if these three ports are established by a reference to Nelkunda, some credit is due to a discussion which afcertains the polition of Moozinis "; a point on which all are at a lofs, and no two geographers'" fully agreed.

There is a river at each of these ports, and in them the whole trade of the country has in all ages been carried on. The former wealth of the province is fill evident, from the remains of tanks,

is Countimes collect the City of Policy; Tipper " Jamiela at It has the recovering of a cichanged in to Jumni abad, the Abab of Elegueer; and if future writers were to adopt the tell change, Mangulour might be investor as difficult to different in Junual abad, as it has " a mile from the feat and or Mangalore bitherto been in Mooririe

World prays.

"The relative importance of Mangaloon, in modern smert, qualifies it for Moneton shove at Vixindroog by d'Anville, at Callian by any other plant in Canata. " Stappolars is Hardons and Mercator, and left undererat the granted must for seads in all the Cumps - majed by Robertian and Pacifica-

se ver, produced by shore that ever into h by " different ways, from the fouth, the call, and the mostle of above three rivers Join about within the gas as one month, " Cape Ha. milion, +ol, i p. 82.

... Mooriele is theed at Mires by Romella

pagodas, and public buildings, ftill existing. Of Naoora's, indeed, no particulars are mentioned except its name; but Tundis's is faid to be a village in the kingdom of Kepróbotas; Mooziris was under the fame fovereign; and here, it is added, that there was a great refort of the native vessels from Ariake or Concan, as well as of the Greek sleets from Egypt. Another particular recorded is [that the coast was so near a right line] that whether you measured the distance between Tundis and Mooziris from river to river, or from the passage by sea, the distance was equal. The same circumstance is repeated in regard to the distance from Mooziris to Nelkunda; it is five hundred stadia, says our author, or lifty miles, whether you measure by land or sea, or by the space between the two rivers.

Pliny "does not mention a river at Moozaris, but observes, that it was no defirable place of trade, not only on account of the pirates in the neighbourhood, but because the ships rode at a distance from the shore in the open sea, and boats were employed for the conveyance of their lading, both on the delivery and the reception. The merchants had therefore tried a more convenient port, called Necanydon, where they obtained pepper from a diffrict called Cot-

" The text flunds thou:

The None or Time to spire heren in America properties and appearance Maryon and Companies of the Maryon and the Maryon and the Companies of the Maryon and the Companies of the

Where I must emply Salmains reads persons and he has placed Tuncie at the manch of the river of Manufact, but where can we find a view a regulate for five alless on this could which must be the safe if Tundia is

the read, and Moorans the mart, fifty miles up the fream. Plin. Ever, p. 1185. Moorans may easily be two miles from the rises. This measures in by the iteration habitant house to the miles between Calleon gold Carblin. This happens has been found weight.

D'Anville face Tunffe at Dunlis-Ra s-

page in Carcun-

The text of Piloy is very corrupt. The expression is, gentle Necropsion, the compary of the Normaldes; but the meaning of Breast with it proves it to be Nethendra.

tona. This is the pepper of Contonara mentioned in the Periplus, and affigued by every writer to the province of Canara. There is, upon the whole, no effential difference in the two accounts, except the mention of pirates by Pliny, not noticed in the Journal; but unless Hydras could be discovered, we cannot afcertain their position: it is supposed to be the Nitria of Protemy, the last place upon his Pirate Coast; and though that is not near Mangaloor, doubtless the pirates roved on the coast of Canara in former ages, as they do now, and pirates there have been at d'Illi and the Angestive, as well as in Concan.

Mooziris is written Modiris, Moodiris, Moondiris, Zmisis, and Zymiris, by different authors, which might lead fome inquirer, on the spor, to farther discovery. Both the Periplus and Pliny certainly consider it as an inferior port to Nelkunda; for no account of the imports or exports is given here, but at Nelkunda a copious catalogue. That Mooziris continued a place of refort in later times, we may conclude from the Peutingerian Tables, which place there a temple of Augustus, that is, of the emperor of Rome; for at the date of the tables, in the time of Theodosius, every emperor was Augustus; and that the Greeks or Romans should have a temple here, is no more extraordinary than that the Christiana should have churches in Travancoor, or that the Arabs should have established their superflition in Ceylon, which Pliny afferes us was true.

Dodwell has built fome arguments on this circumstance, and on the names of the kings, which are the same in Ptolemy, Pliny, and the Periphin, in order to bring down the date of this work to the time of Commodus and Verus. But Paolino affords a solution of this difficulty, which is perfectly satisfactory if his etymology be

30.2

true; for, he observes that Keprobotas is written Celebothras and Cerobothrus; and he informs us that Ceram fignifics a country, region, or province, and botti, a governor; fo that Cerambotti is as manifeffly the bead or fovereign of a province, as Ceram-perumat is king of the country, compounded of Ceram, a country, perum" great, and and perforage, the great perforage or fovereign of the kingdom. And as Ceramperumal was the founder of the kingdom of Malabar in the year 907" of our era, there is much probability in this interpretation. If this etymology be admitted, it accounts for the name of Cerobothrus in Limurike, and that of Pandion in Malabar, not only in the different ages of Pliny, Ptolemy, and our author, but for as long a period as these divisions of the country continued undiffurbed; for Madura is ftill known in India as having the ancient title of Pandi Mandala, the bingdom of Pandi, or the Pandoos; and Pandavals the founder of the fovereignty, according to the Bramins. Pliny " therefore was miffaken, in affuming a general title for a proper name, as well as Ptolemy, and the author of the Periplus.

X. KINGDOM OF PANDION, OR MALABAR.

The native appellation of Malabar, we are informed by Paolino, is Kerula Ragiam, the Kingdom of Kerula, or Malayalam, the Mountain Country, derived from the Ghauts which bound it inland, and are visible from a great diffance at fea. He adds, that Malan-

[&]quot;Governor Duncess John in this interpretation of Permust. Att Refe vol. v. It is a current and valuable paper.

[&]quot;Regnahat thi, com hav producen, Cifebothess. Plin. vi. 23.

gara is an Indian term corrupted into Malabar, and ought not to be deduced from the Arabic mala, a mountain, and bahr, a cooft. It is not necessary to affent to this; because, when the Europeans first visited India, after the discovery of Gama, they derived their information from the Arabs, and confequently adopted their terms. At that time Calicut was the grand mart of the Oriental world; for here the trade from China and Malacca met the Arabs and Perfians, who brought the produce of their own countries, as well as feveral articles which they procured from Europe; and though fome Arabian veffels penetrated to Malacca, or even China, and fome Chinese merchants, as it is faid, extended " their voyage to Arabia, or to Keith and Shiraff, in the Gulph of Perlia, the general point of intercourfe was Callent. When the Portugueze reached the eaftern coast of Africa, they were directed neither to Surat or Baroache, but to this city; and here they found the Arabs fettled in the country to powerful and numerous, as to obstruct their commerce, and traverie all the plans they had conceived. According to Barthema 1th, there were not less than fifteen thousand of them fertled in this place only, belides numerous bodies of them on the coaft, in Ceylon, and in Coromandel.

The influence they had in the country may be calculated, not only from this inflance, but from the revenue their commercial transactions produced; from their readings to engage in all the fervices of war, policy, and government; from the fpirit of adventure which appears in all their conduct; and above all, from the

[&]quot; This opinion is founded on the open for is allowery about from M. Polo, and their of Renaudot's Arans, and will be combilered employments in trade and were See Lab. III. becomirer.

Caylon, and p gar

[&]quot;The avidence for their power and more

defire of extending their religion, as well as promoting their individual interest. The character under which Paulino describes them at the prefent hour, would probably have fuited them in every age :-" They " are a robult race, wearing their beards long and " their hair neglected; their complexion is dark, and their cloth-" ing confills of nothing more than a thirt and trowlers of cotton. " They are affive and laborious; feldom appearing in the ffreets " but in a body, and always armed. They fleep in tents or booths, et drefs their victuals in the open air, and work, during the night, " by the light of the moon. They affift one another in lading and " unlading their thips, and they drink plentifully of toddy and " arrack. Upon receiving the least affront, the revenge is com-" men to all." Their trade is full confiderable " both at Cochin and Calicut; for not less than an hundred thips are employed in this trade, from Malkat, Moka, and Judda; and the commodities they purchase are of a better quality " than those obtained by the Europeans; because the Europeans, either by their power, or by contract, have bound the native government to furnish them with pepper and other articles at a regulated price.

The Chinese no longer frequented the port of Calicut when the Portugueze arrived in India: they had been ill-treated by the Zamorin, probably at the infligation of the Arabs, and for the same reason which excited their jealousy of the Europeans; and after a fruitless attempt to revenge themselves, the Chinese thips came no longer to Malabar**, but to Maliapatam only in Nartinga, on the coast of Coromandel.

Panlino, p. 84.

be, if they fail with the munfoon,

Paulino Tays, they make two veyages in a year; but I do not underland how this can

Carlar Frederick in Harkbur, p. 223.

Now this trade with the countries farther to the east, and the interest which the Arabs had in the communication, is in full correspondence with the account of Pliny " in the first century, with Ptolemy in the focond, with that of Cofmas in the fixth, with the Journal of the Arabs (published by Renaudot) in the ninth, with the experience of Marco Polo in the thirteenth, and with Nicola di Conti, fixty years previous to the arrival of the Portugueze in India.

It appears from Pliny, that the Arabs were fo numerous in Ceylon, as to have occupied the country below the Ghauts, like the modern Europeans; for their superstition had prevailed over that of the natives on the coaft. He adds, that the Seres " were known in that island by means of the intercourse which commerce produced; and that the father of the rajah who came upon an embally to Claudius, had been in their country. (Something like this will appear hereafter in the Periplus.) And that a regular communication was open between India and Malacea, there can be no doubt; because Prolemy has fixed a port on the coast of Coromandel, from which the flects failed which went to Chruse, or the Golden Cherfonefe. Here we may fix the limit of ancient geography; and whether we chuse to carry this trade to China, as fome have fuppoled from the name of Sinz Thing, and Seres, or whether we fix it at the peninfula of Malacea, it is in effect the fame; for in that peninfula there have been, in different ages, the kingdoms of Tonquin, Cochin China, Pegu, Siam, and Ava; all partaking of Chinele manners, habits, and cufforns, and all furnithing, in fame degree, the commodities we now pro-

montes Emulio Benis quence ab liplis affects " Plicy Dys. moreover, Serie at Talls mores chim commercial mensing that the

[&]quot; Lib. E (20, 22)

alphois on it the could of the Seres were in Carlowell went by land into Tartury, and the fight. But Salmanns property reading, ultra to China-

cure in China. How the report of these countries, indeterminate as it was, reached Greece so early as the age of Eratofthenes ", is a great problem, not easy to resolve; but that in later times some merchants had been induced, by interest or cariosity, either to attempt the voyage, or to fail on board the native ships, is highly probable. That all knowledge, however, beyond Ceylon was doubtful and obscure, is undeniable; for here the marvellous commences, which is conflantly the attendant upon ignorance; and in whatever author it is found, we may be assured he has no certain information on which he can depend.

Within the limits of Ceylon all the general concerns of commerce were certainly confined, in the age when the Periplus was written; and whatever might be the extended attempts of the Araba, very few of the veffels from Egypt ever reached that illand. Nelkunda was the Californ of their day; and flanding in the fame country, and affording the fame commodities, they procured here for the market of Alexandria the drugs, spices, and other precious commodities, which have ever been in request throughout Europe.

At Nelkunda let us now paufe, written Melènda " by Prolemy, Melkunda by his commentators, Necanidon by Pliny, Neakyndon by Hardonin, and Nincilda in the Peutingerian " Tables. It is faid

"If Erstoliheors derived all his knowledge from Timofflunes, as Marcian informs me Timofflunes, who was feet down the count of Africa by Philadelphia, mail have any lead his information whiter there or from Arabia, But the Thing are identificant in Arifforda's Trentile de Minidos, and if that work he really Ariffeshe's, it proves that the Golden Cherfonete had here heard of in the time of Alexander.

connected with a Safarch of Enge on the court of Africa, and a Soverb of Hinde in India. Would not the Same Speculation differer a McDoda on the court of Africa, and a McDoda on McDoda?

It is a very fingular circumfunce, that the Pentingerian Tahire floudd have the fame norms at the Periphlic on this certil, but rewrite theory form they may Tundle Muscles, Nelkunda, is the Journal, they floud Nelkunda, Tyndis, and Missiris, in the Tables,

⁻ D'Anville has found an Ophic in Arabia,

to be the fame as Becare, by Pliny, and near Barake, or Ela-Barake. by the Periplus. That is, Barake is a village at the mouth of the river, which, joined with Eia, cannot fail to remind us of Eli, as it 'ls written by Marco Polo", the d'lli, or d'lle, of our modern charts. D'Illi is one of the most conspicuous points on the coast, and, as far as I can discover by the maps, the only remarkable mountain close to the thore. This I had hippored to be called Mount Purrhus in the Journal; but if Purrhus is to be interpreted as a Greek term, it fignifies the Ruddy Mountain "; and I have fince learnt, that d'Illi has not this appearance, but that there are heights both to the north and fourh, which flill bear the title of Red Cliffs, and which will be noticed in their proper place. The mouth of the Nelifuram river, or Cangerecora, at Ramdilli, is placed by Rennell almost close to the mountain; and "Ram-d'Illi" again contains the name of Ela, and is manifeltly the Ela-Barake of the fournal.

At Barake the veilels rode till their fading was brought down from Nelkunda. It feems by the text as if the navigation of the river were lafe, and that the fhips went up to the city to deliver their cargo, and then came down to Barake to receive their lailing

of Ptolemy, and Colche Simlorum, for the of relidence in the country, Katkli of feet. There is mention likewile of a temple of Augustus, or the Reman ene , translations, Della in Ramalin. peror, and a lake at Muzirla. Thele circumfunces, however erronsoully fluted, fill trad to prove the continuance of this commerce, from the rime of Consum to Theodolius-4. space of above times bundend years ; and a pro- Dilla, of Remell ; Della, Della, and Delte, bability that the Roman maychants had fertied use found in different chartes and life in a factory at Mozinis, as they would fearerly Marco Pola:

with Blinks, a corrupt reminer for the Elanki have built a temple there, without fort

" Trie welten Ell, and J'Ell, in Bergenm's

T. Hellis Cons.

* Ram is a common afficuet, figuifying 3 sa, Ram, Hajah,

D'Illi is the orthography of Patient;

than they arrived, as most vessels from Europe do at the present day. But there is some consulton in the text, and one corruption is at least: in modern in accounts, the river itself is described as large and deep, but obstructed at its mouth by should and fand-banks. The approach to this coast likewise is discoverable, as well as that of Guzerat, by the appearance of snakes upon the surface of the sea, which are black, shorter than those before mentioned, more like setpents in about the head, and with eyes of the colour of blood. This is a circumstance confirmed by Paolino, who lived thirteen years in the country, and who accounts for it by supposing that they are walked down by the rivers in the time of the rainy season.

The port of Barake, or Nelkunda, is much frequented on account of the pepper and benef which may be procured there in great quantities. The principal Imports are,

Great quantities of specie. Хрумата плата. Topazes. Xeuronian. A fmall affortment of plain Cloth. "Прититиль сетьие и толия. Rich cloths, of different colours? Hehourras -: -Stibium for colouring the eyes. Exists. Coral Kopmahaup, White glass. Taxes in appro-Brafs. Xunnes -

on And II the records adjusted and district to be fulfilled for adjusted for adjusted.

In Cont. Hamilton; and it is semarkable that Marco Pelo fays, the thips of Margi (China) that came here, loaded is eight days, or earlier, if they multi, on account of the langue of the auchorage. Libe is, c. 26.

"Office . . Interesting resembles. What is the diffication between the and Interes? It focus here, crified.

* And only home and of mixing on manipus and

but says, colors, it miden to it, to diffinguish it from various in general, which was blue.

Kassirepor,

Reservirence.	WES-	-	12	Ting and the said of the said
AtinoCher -	140	1	medi	Lead
Ohor si module,	-	delin	2811	A finall quantity of wine "; but
				as profitable as at Barugaza.
Turkapainh.	1	30	19	Cinnabar.
Aprenicós, -	+ 1	n (4) le	50	Orpiment.
market the second	Section 1 de			

Effect foot repaires voic - - Corn, only for the use of the ship's seed no received to not fell in

The Exports are,

Elemep. " provayerate in ist womme	Papper, in great quantity, which
rate greenstates and was	grows only in this one place,
Depriment Battonaputer -	and which is called the Pepper
E-STATE OF A STATE OF	of Cottonara

Μαργαρίτης incres και διάφορες. Pearls, in quantity and quality fuperior to others.

Eλίφας, - - - Ivory. 'Οθόνα Συρικά, - - - Fine filks.

Næpler *** † ywww.est, - - Gapanick spikenarde it is usually read Gangetick.

MahaiSaSpor, - - Betel

in the ion sonus,

from the countries farther to the east.

has omitted this. The meaning here given is conjectural.

Pepper, from the wealth is brings into the country, in Seniori is called, the Solcafour of Clilic. Panion, p. 356.

"I think your implies, the native growth of the country : it may figurely only,

procumble there.

Notice is conserved. There can be little doubt of the corruption here; because, at p. 36, the author himfelf writes I always with the faithcoard procured at the Congress and there is a fail presurable from Thirses, according to hir Wm. Jones and Dr. Howburgh. Abutick References.

A.Sia

PERIPLUS OF THE ERYTHREAN SEA.

Aista diapante marria,	All forts of transparent or precious frones.
'Addux;	Diamonds.
Ydender,	Jacinths. Amethysts.
Какана та Хриссингистий кай	Tortoife-shell, from the Golden
ment rate views Inproposing	Hlands (or Maldives?); and an-
rat appropriate aute ate	other fort, which is taken in the
Appopulation	iflands which lie off the coaft of
Marie Company of the	Limirike (the Lackdives).

The particulars of these cargoes suggest some restections of curiosity; for the bullion or specie employed in the purchase of the native
commodities, has formed a subject of complaint in all ages, as if
Europe were exhausted of the precious metals, and all the riches of
the world absorbed by Oriental commerce: the fact is true, that this
trade cannot be carried on without bullion; for all the revenues of
the country, now in the hands of the East India Company, are not
sufficient to cover the investments annually made. Still Europe
is not exhausted, but increasing daily in wealth and power, compared with the other quarters of the world, and never can be, till
the industry promoted by this commerce, and by commerce in
general, shall be annihilated.

Tin is another of the articles enumerated; and if we find this produce of Britain conveyed to Malabar in the earliest period that history can reach, we find the spices of Malabas in Britain, in an age when the course of the communication with India was probably as little known as the existence of America. The venerable

to Khrme, the Golden Bland, or Cherfourle, India Trade, val. i.

Bede ", who died in the year 735, was possessed of pepper, cinnamon, and frankincense. Did no one ever ask the question, how, in that age, these luxuries had been conveyed to Britain, or were treasured in a cell at Weirmouth?

But the particular most worthy of remark, is the mention of fine filks [efficie Espica]; for otherion is any web of a fine fabric, and as applied to cotton fignifies mullin; but its usage in this pullage, joined with Sericon, plainly indicates the manufacture of the Seres, which is filk. It is mentioned only at this port, and particularly diffinguithed as not being a native commodity, but brought hither from the countries farther " to the east. This is a sufficient proof that Nelkunda was in that age, what Calicut was in later timesthe centrical mart between the countries east and west of Cape Comorin; and we want no other evidence to prove, that the intercourse between India and the countries beyond the Bay of Bengal, was open in that age, and probably many ages prior, as well as in the time of Ptolemy. That the fleets which went to Chruse, or the Golden Cherionefe, would find the filks of China in that market, is readily admitted; but that the Seres were flill farther eaft, is manifeft, from the map of Ptolemy, as well as from Pliny, who calls them the most eastern nation of the world. Now that the ancients always meant China Proper by the term Seres, however obleure their notions of it were, feeths to admit of proof. Silk came into the Roman world ufually by the route of Tartary, the Cafpian, and the Euxine fea; and when Juttinian procured the filk-worm, he procured it by this northern channel. This communication however,

P. Bodie Opera, p. 703. Appendix, and begins to reign in \$74.

p. 803. Alfred, who is find to have fent provided by signal days.

Sighelm, hilbor of Shirbourne, to Malabar,

on the north, could not be opened with the nations of the Golden Cherionele, with Ave, Pegu, or Siam, but is expressly marked as formed immediately with the Seres themselves. The point fixed for the meeting of the traders from the well with those of the Seres. was in Tartary, and farther to the "north-caff than the fources of the Ganges; and this point, fix it where we pleate, is perfectly in correspondence with the Kiachta of our own days, where the commodities of the Chinese and Russian empires are exchanged. The jealoufy of the Scres in regard to firangers, remarked by Pliny ". is perfectly characteristic of the Chinese in all ages; and whether the communication took place near the Chinele frontier, or in any place nearer to the weft, it equally proves that there were Seres on the north, as well as the fouth; and that there was one communieation opened by the intervention of Tartary, and another by fex, through the means of the nations in the Golden Cherfonele. We shall find some intimation of this commerce on the north (wild and fabulous as the account is) at the conclusion of the Periplus, and in the catalogue of articles now under confideration, the communication by fea is equally manifell. Whether this intercourse by fea was direct, or only by the intervention of the nations of the Cherioneic, is another queftion; but on this fubject more will be faid in its proper place. It feems natural, however, to suppose, that there always was a Mulaces, or some port that represented it, where the trade from China met the merchants from India; as the commerce of India met the traders of Arabia and Pertia at Calleut, or fome port on the coast of Malabar. In this state of things,

nientice by land; is the forond, it is from " Prolemy, With Table of Aca. "> Pliny mentions this twice; lib. vi. c. 17. the information of a native of Ceylon. and cap. 2, 3. In the first, it is the commit-

the Portuguede found the commerce of the Oriental world r and in a flate very limitar, it feems to have existed in the age of the-Beriplus. This affords us a rational account of the introduction of filk " into Europe, both by land and fea; and thus by tracing the commodities appropriate to particular nations, or climates, we obtain a clue to guide us through the intricacies of the objeurest ages.

One circumflance respecting the Malabathrum, which I have supposed to be the Berel, remains still to be considered; it is said to be brought here from the countries farther " eafl, and not to be a native commodity. Repper, and pearls, and ivory, and spikenard ", are likewife faid to " be brought here, as well as filk; all which contribute to prove this port to be the reprefentative of Calicut in that day, and Pandion to have enjoyed all the revenues ariling fromthe commerce of India and Europe. Could it then be proved that the hundred and twenty thips which Strabo faw " at Berenike, adually reached India by a coaffing voyage before the monfoon was discovered, we can see a reciprocity of interests, which might very eafily induce Pandien to fend an embaffy to Augustus. Another Indian embaffy is faid, by Straho, to have been fent to the fame emperor by Porus; and this Porus is supposed, in Indian history, to be the fovereign of Agimere—the Rana, or principal of the Raj-

come from China. Call Frederick, Parettes, vel. iii. p. 1708.

" The sie for virus. Again, I have no doubt but that the ferrie here given is the right one.

The Areka out is mentioned as on export at Cananous, the next port by Caf.

Silk on not a native commodity or may Prederick, p. 1707. Paralas, vol. fil. - a fruit sufficient of hadis in the roth century ; it fill the biguetr of a nutrang, which they est with the leaf, called Botle. And have of oyfterfields, pepper, cardamum, and grager, are allo mentioned. Within had a the Kingdom of Pepper.

TO OHITZE

[&]quot; Strabo, lib. xv. p. 626.

pout "rajahs. Now, were it possible to connect his interests with those of Guzerat, we might prove, that the trade carried on at Barugaza and Nellounda was of fuch importance, as to make an intercourse necessary between these two Indian potentates and the emperor of Rome. If an Indian history of these early times should ever be obtained that possetsed a degree of consistence or probability, fome light might be thrown on this subject; at present it is more conjecture and speculation.

I cannot quit the contemplation of this catalogue, however, without adverting to the last article on the lift, which is the tortoife-shell procured from the Golden Illes, and the illes that lie off the coast of Limurike. The first, if not the Maldives, are Khrusë; but the latter are the Luckdives: both are flill famous for producing the best tortolie-shell, and particularly the black fort "the finest in the world, which is found only here, or at the Philippines, and obtains an higher price than any that is procured elsewhere. But if the Maldives are dubious, the Lackdives do actually lie off the coast of Canara or Limurike; for though the bulk of them is to the fouthward, the morthernmost of the group is nearly in the latitude of Mangaloor; and the market where the tortoile-shell was procured, was Nelkunda. This one circumftance might have convinced d'Anville, if he had attended to it, that Limitrike must be Canara, and could not correspond with Concan; for there are no illands on that coaff, where any quantity of tortoife-shell could be obtained, fufficient to be confidered as an article of general commerce.

Remotil's Mam. ind ed. p. 230 See Remotil's corrected Map, and fi P.o.
Harris, vol. i p. 716. Purched, vol. iii. 'ville's.

This extent and value of the cargoes at Nelsunda, either carried out or brought home, is of greater amount than we have found at any other port, and more discumbantial than at any other except Barugara. This appears correspondent to the course of the trade at prefent, but full more to the early commerce of the English, when their original factories were at Surat and Tellicheri. At Surat they obtained mulling chintz, and contons; and at Tellicheri, pepper and cardamums; for though the Portuguele multiplied their forts and fettlements, the different productions of the north and fouth, on this weffern coast of the peninsula, were obtainable with sufficient facility at these two points. In conformity with this fellow we find, that throughout the whole which the Periplus mentions of " India, we have a catalogue of the imports and exports only at the two ports of Barugaza and Nelkunda, and there feems to be a diffinction fixed between the articles appropriate to each. Bine mullins, and ordinary cottons, are the principal commodities of the first ; torrolle-shell, pearls, precious stones, fille, and above all, pepper ", from to have been procurable only at the latter. This pepper is faid to be brought to this port from Cottonara, generally supposed to be the province of Canara", in the neighbourhood of Nelkunds, and famous " to this hour for producing the beft pepper " in the world, except that of Sumatra.

The lone proper countries at Barugara is an ordering and cale tion living more but and program, with less through .

DER, Dell, or O'III, was the port fre-quenced by the Chileft for peoper in M. Pela's time, Lin in early.

- in the Sunda Rajah's country, adjulaby to Camia, is the bell pepper in Initial Caps. Humbon's Act. of C. Initia, vol. iii. \$5, 4500.

Al Estrilli mentions pepper as growing enty in Color mell (an alant below Subsect), and of Cardion, and Cardenia. What Greekkingdom of Camara, p. 63, a because he fare niters only it is sent the smooth of a clear in Manifer Malainer, p. 63.4 willt demut precar. Al family shrows the from the Arthof Resoulds, p. o. p. the where it is serarch Exponentiable and Kamkam, the face of

The pre-eminence of these two ports will account for the little which is faid of the others by the author, and why he has left us fo few characters by which we may diftinguish one from another, fo as to allign them proper politions on the coast. They feem to have been little vilited for the purposes of commerce; and if they were touched at only from necessity, the flay there was thort, and the observations transient; but the diffinction of the provinces is clear, and if it has been found pollible to give these from the tellimony of our author, with fo much precision as to prevent future deception, we shall not hereafter fee the same place assigned to Guzerar by one author, and to Malabar by another; one of whommust be in an error of feven hundred miles. In limiting the provinces, and marking a few of the principal masts, all has been done that could be expected by those who are acquainted with the work; and if conjecture has never been reforted to, but where proof was quartainable, blame ought not to attach, because the discussion of impossibilities has been declined. I have faid that it was dublous whether the author himself had ever been farther than Baragian; but to many corrobotating circumflances have come out in tracing the account of Nelkunda, that I would now rather fix the limit of his voyage at this port. Farther than Ceylon he rertainly was not; and whether the fleets from Egypt ever reached that island previous to the embally from the king of that country to Claudius, is highly problematical. Individuals possibly might have been there upon an adventure, but the amplifications of Pliny and Prolemy manifeffly

Culture-mail is Continued Malabary and Continue the same pre-emissione. Say infra-

Kemkern, or Coming and Hapram-mall is in fifth a post of Trasmours, where people is Meretica Comment of Malactur, which they May obtained. The fighing this as through it come labor for the whole coult, so is fiffl in utage. factors with the playe of Aradan with the Bar if Al Ederfil has not copied from others, M. Polo mentions Coulem, or Cavallana with befpeak an ignorance of the truth in their age; and if the voyage was not regularly performed, the knowledge of individuals was either not reported, or not believed.

XI. HIPPALUS AND THE MONSOON.

THERE is an additional reason for believing that the regular course of trade terminated at Nelkunda, which is, the introduction of the diffeovery of the monfoon by Hippalus at this place. And for this place I have referred the discussion of that subject, because, though I thall continue my inquiries as far as Ceylon, I am perfuaded that the author of the Periplus went no farther than this port.

The hiltory of this I shall give as nearly as possible in the words of the author:

- "The whole mavigation, fuch as it has been deferibed from
- "Adm" and Kane Ito the ports of India], was performed formerly.
- " in fmall velfels, by adhering to the there, and following the In-
- dentures of the coaft; but Hippalus was the pilot who first difeo-
- " vered the direct course across the ocean, by observing the polition
- of the ports, and the general appearance " of the fea; for at the
- " feafon when the annual winds, peculiar to our climate", fettle

Her sign; and by theing joined with the Etellions. that bloor [any and] in our country, all and biguity is removed. I will not would be also Grade of our author, is the along of Thomas brance I think his beginning transmit in curredi, as his best corrupt; but the assemble fortent the pullings is fufficiently ofcor. The English winds him planing the forming weather he thought improperly applied to the Mets, in Legyts and the fault wedger Socious X 3 4 =

⁻ Ambie:Telia.

^{- 3000}

[&]quot; No was remain to see the on the party of and the control of the year former, a see here the hay there bearing

Some doubt will remain whether this pasfour transportely rendered a for the annex feet to all if is not alvery and the term than a may terraneous but it forms and in opposition to in the Socialist Octave, is in 15th agree the

" In the neeth, and blow for a continuance upon our coall from at the Meditecranean; in the Imlian Ocean the wind is constantly a to the fouth-west; and this wind has in those seas obtained the " name of Hippalus, from the pilot who first attempted the passage

" by means of it to the Eaft.

" From the period of that discovery to the present time, vestela a bound to India take their departure, either from Kand on the " Arabian, or from Cape Arbmata [Gardefan] on the African fide. " From these points they firetch out into the open sea at once, " leaving all the windings of the gulphs and bays at a diffance, and " make directly for their feveral definations on the coult of India, " Those " that are intended for Limurike waiting " fome time " before they fail; but those that are defined for Barugaza or " School, feldom more than three days."

This account naturally excites a curiofity in the mind to inquire, how it thould happen, that the Monfoons thould have been noticed by Nearchus, and that from the time of his voyage, for three hun-

ing Jane, July, August, and September. these we improve the author to be a native, for s welldoor at Alexandria, the Etches one Gill, represent the effect of almor whom we livey and serate forming, the blowing of the sums which we locally experience. I render of I from the time or feation, memory both to the Elefans and Munkamer, and I do not to the William with Saleminis, though I improse that a connecting particle is wanting See Plin Exercit, 1186.

" Kabel Lines ammibien mit fier frien in wie green it that his wis their wis majorething me

The grand trafe of this pullage is about t for 1400, and to 140, are used by this author to caprels falling in the open lead link

have to underthind has striple \$4. is thisting to -Hadfon residere it, es regione rectifi per termin externos imposdictos fone pontroce handlar a where for foreign safetimer it quite as annualigate as him in the risk and execute enrole containly does not express the marring of the ather.

"Type till and it be not a runos that, has not feedle in the lexicous which can apply to this pallage. The morning by the voiltest is gilling that how to discount four this word, I angw not. Plantin has very wursy omutted it,

A learned friend realize Takes Com., with their heads to the feet wordy to fall, but not

dred years, no one flould have attempted a direct course, till Hippalus ventured to commit himfelf to the ocean. It has been fufficiently proved, that a communication was open between India and Arabia previous to the age of Alexander; and it is impossible to conceive, that those who lived either in India or Arabia, should not have observed the regular change of seasons and of winds, which recurred every year, and of which, if they were mariners, they could not fail to have taken advantage, every voyage they performed. It is likewise certain, that veffels frequenting either coast would accidentally be caught by either montion, and driven across the open in to the oppoint there, if they happened to be a few days too early, or too late, in the featon, for the voyage in which they were engaged. That this had happened, and that there was a direct passage by the monfoons in use between the opposite continents before the Greeks adopted it, has already been noticed from the Periplus, and fully proved. But in almost all discoveries, the previous obflacle is minute, and the removal of it accidental; thus it is, we may suppose, that the few vessels which did find their way to India from the ports of Egypt by adhering to the coaft, from the beginning, failed with the monfoon, both outward and homeward bound; but fill followed the track which had been pointed our by Nearchus; and it was necessary for an Hippalus to arise, before it thould be known, that the winds were as regular and determinate in the open les, as upon the coult. The Periplus assigns the mora of the difference to the observation of Hippalm himself; but there is nothing unrealenable in supposing, that if he frequented their feas as a pilot or a merchant, he had met with Indian or Arabian traders, who made their voyages in a more compendious manner

than the Greeks; and that he collected information from them, which he had both the prudence and courage to adopt. Columbus owed much to his own nautical experience and fortitude; but he was not without obligations to the Portuguele also, who had been resolving the great problems in the art of navigation, for almost a century previous to his expedition.

Dur the discovery of the mension once made, could never afterwards be neglected; and the nie made of it by the fleets from Egypt is fully detailed, and much in the fame manner by Pliny and the Peripins. The course of the trade from Alexandria to Berenike, and the progress of the voyage from Berenike to Okelia and Kane, have already been fufficiently deferthed "; but there are fome farther circumfrances connected with this, which cannot be suppressed without prejudice to the object in view. For Okelis is mentioned by buth authors as the better port to remain at; which is evidently confiftent, because it is theitered from the adverse" monfoon; and the paffage of thirty days to Okelis, and forty to the coast of India, is a proportion to firthing, that it could be derived from no other fource but evidence of the most authentic nature. For the first distance is only about four hundred and eighty miles, and the fecond near nineteen hundred, and yet that there should be only ten days difference in the longer part of the voyage, is peculiarly appropriate to the two different feas in which the navigation was to be per-

made him remove the trade about 1; languages within its wouth, to a fifthing-town called Monta. Capt. Hamilton's Acc. of the E. Indian soli i. p. 19. That is, it is later riding within the firsts than authorit.

Bon er fen.

The Immun failing Adm to be inconvenient for the trade of the Red Sen, because of the fight winds affailly blowing at its month in both unifody and nesterly musicous.

formed. The veffels deflined for Iudia left Berenike about the middle of July, or earlier, if they were to go farther than Barngaza. The pallage down the gulph was tedious; for though the wind was favourable, the fhoals, iflands, and rocks, in their course, required caution, and compelled them to anchor every night; but when the flrains were passed, and a vessel was once within the influence of the menfoon, the had nothing to impede her course from Babel-mandeb to Guzerat; confequently, forty days allotted to her paffage is neither. difference tignate to her courie down the Red Sea, nor too fliort'" a frace for performing a voyage of nincteen hundred miles to India. notwithstanding the same run at prefent feldom exceeds fifteen. It feems at first fight a contradiction, that velfels which were to have the longer verage to Malabar, thould remain longer at Okelis than those which were dellined only for Scindi or Guzerat; but this likewife depends upon a circumftance peculiar to the monfoon upon the ceast of India, which appears never to have been noticed by those who have undertaken to comment on the Periplus,

It is fufficiently known, that the commencement and termination of the two different monfoons are subject to considerable fluctuation; fo that though we fay these winds are alternate, fix months each way, we ought to substract one month from the beginning and ending of each, which are not only fluctuating, but tempelluous. If then we examine the fouth-wefterly or fummer monfoon " in this respect, and consider May as the month in which it commences,

gives eather more than betty-ferre miles a day ; and the day a full of his materit well was you the Orecks. See the Araba of Harandestthatis, or lifty milet; and the course of a This can should properly be taken at Canmg3: a shadder to that they must in the datas. puffuge have failed with great quation. But the Ambe, in the minth century, employed Navigator, p. 214.

" Ninters humbed miles in force days, thirty days from Malhat, wherea we may condidate, they had not much improved upon

" The whole of this is from the Oriental

It is not finally fettled till the beginning of June, a little earlier or later, according to the fall or change of the moon "; and fall it is to be observed, that during June and July " the weather is so bad, " that navigation is in some degree impracticable," In August it is more moderate, and in September the weather is still fairer; and though there may be an apprehension of storms, " you have often " fair weather for several days together," which continues, though stable to the same interruptions, till the middle of October.

This is the peculiar circumfiance appropriate to the navigation of the ancients; for if we suppose a vessel to leave Berenike on the roth of July, and to arrive at Okelis the 9th of August; after continuing there a week, ten days, or a formight, she will reach Muziris or Nelkunda, at latest, on the 1st of October; that is, at the very time when she has reason to expect the best weather of the season.

There is another fingularity applicable to those vellels which are deflined for Scimili and Barugaza, and which flay only three days at Okelis or Cape Gardejan; this is, that the fouth-west monstoon sets in "earlier to the northward of Surat," than on the coast to the fouthward. Whether this circumstance is connected with their voyage, we have no data to determine; but if the monsoon commences here earlier, it is consequently settled earlier than in Malabar.

After thus conducting our fleet to the theres of India, it remains next to confider their voyage homeward-bound. And here we are informed by Pliny ", that they continued on the coast from the latter end of September, or beginning of October, to the early part

E Lib. vi. e. 23.

The first are moon in September is called St. Anthony a Moon, and confidence the commencement of the N.E. monitoon - C. Hamilton, vol. 6, P. 255.

of Tybi, or December. This allows two months, at leaft, for the disposal of their cargo, and taking in their lading in exchange. But the latest time of leaving the coast is within the first fix days of Machinis; that is, before the idea of January, or the 13th of that month. Now it is very remarkable, that the original order for the fleets of Portugal was subject to the same regulation; for if they did not fail before the 8th 114 of December, they were detained till the first week of the succeeding month. The reason for this, though not mentioned, is doubtless the change of the moon in both instances, at which time there are usually some stronger gales; and in this we have one more evidence of the same operations of nature producing the same effects in all ages,

Pliny flyles the fouth-weft monfoon, Favonius (which the Periplus calls Libo-Notus), and the north-eaft, Vulturnus; about which there is much learned disquisition in Salmaius. But we are now too well acquainted with these seas, to have a doubt remaining on the winds that were intended; and we conclude, that as the same causes have operated in all ages, they blew two thousand years ago as they blow at the present day. Not that they are fixed to a single point of the compass, but that north-east and south-west are their general direction. It is added by Pliny, that upon reaching the Red Sea, they found a south or south-west wind, which conveyed them to Berenike, and enabled them to conclude their voyage in less than the compass of a year. This, likewise, is consistent with experience; for the winds in the Gulph of Arabia are almost constantly north and north-west, except for fifty days, when they are called the Gumsen winds, and prevail from the middle of March;

[&]quot;Gefor Frederick in Paralme, iii, p. 1708. tember.
who likewise mentions their arrival in Sep- "Written Khimiin.

during that period coming regularly from the fouth. If therefore we suppose a vessel to leave the coast of India between the 8th and 13th of January, forty days employed upon her return would bring her to Kane, Aden, or Gardesan, towards the end of February. At any of these ports the might wait, so as to be prepared to take advantage of the Gumseen wind in the middle of March; and when she was once within the straits, this wind would serve her for fifty days to convey her to Berenike, to Myos Hormus, or even to Arsinoe, the representative of the modern Suez. Thus, by embracing the opportunities which the regular seasons in the different seasons, the whole voyage outward and homeward-bound would be performed with a wind constantly in her favour.

The next point to be confidered is, the departure of this fleet from Okelis, Kane, or Cape Aromata. The two last are more particularly intimated by the Periplus; and Syagros, or Fartaque, by Pliny. In this the merchant is most probably the more correct of the two; for, as we may conclude that he performed the voyage himself, so is Aromata, or Cape Gardefan, the point that divides the limit of the monsoon on the coast of Africa: for, on the authority of Beaulieu, we learn, that he passed from winter, storm, and tempest, to calm and summer, in an instant, on doubling this promontory. Here then was the point where their course was open before them, from one continent to the other; and when they were once at sea, there was nothing to change the direction of the wind till they reached the shores of India. On their return from India, they can down their longitude first to the coast of Africa, tending to an

[&]quot; Play fays, it was 1235 with from Sys- from truth, for it is in a right line sear 1200 gran to Patala | which is not very dulant miles,

object of magnitude which they could not mits or overrun; and then made good their latitude by coming up northward to the coast of Barbaria and the Red Sea. In effecting this we may conclude, that they directed their course, as nearly as they could calculate, to Arômsta; but Ptolemy informs us, they sometimes get to the southward of it, and were carried much lower down than they wished; and sometimes we know that they came intentionally to Rhapta, Opône, and other marts on the coast of Africa, and proceeded afterwards to Arabia, or the Red Sea, according to their destination, interest, or convenience,

The commerce of the Arabians has arrefled our attention throughont the whole progress of our inquiry, from the first mention of their imports in scripture, to the accounts of the present day. Their connections with the countries in their neighbourhood is equally obvious: in Syria, Paleftine, Egypt, Perfis, Melopotamia, and on the Tigris, we find them noticed by Pliny "; in India, by Agatharchides, and almost every subsequent geographer; in Africa, they are spread at this day from the Red Sea across the whole continent to Senegal; and in the Eastern Ocean they are found upon every coast, and almost upon every island. But general as the extension of their name and nation may have been, when we refer to their own accounts, nothing is more obscure "-nothing less satisfactory. The information to be collected from the little tract of the Periplus is a picture of geography, in comparison of the two Arabian narratives published by Renaudot, of Ehn Haukal, or Al Edriffi; befides all the fabulous and the marvellous which we have to remove. Still

[&]quot;Lib. all 17. of the coults, but likewife from their adopting "They are obscure, but only from the masses that are neither native or challend, but ment of longitude, latitude, and the direction terms of their own language and alone.

there are some particulars in these authors already noticed, which are worthy of attention; and fomething in the Arabiana of Renaudot peculiarly connected with the object of our inquiry; for the general fact, that the Indian commerce had fettled at Siraf in the ninth century, is a revolution of importance.

Siraf " is upon the fame coast in the Gulph of Perfin as the modern Gomroon, and held the fame rank at that time as Keifls in the thirteenth century, and Ormus of a later date. The merchants of Siraf, in that age, evidently performed the voyage to China, and Chinese thips are mentioned at Straf; but a closer examination has induced me to believe *** that they were not Chinese, but veifels employed by the Siraf merchants in the trade to China. The trade from this port, however it extended farther to the east, certainly met the Chinese sleets on the coast of Malabar; for there it is mentioned, that the Chinese paid a duty of a thousand "" drams, while other veffels paid no more than from one dinar to ten.

But the thips that failed from Siraf went first to Mascat in Arabia, for the fame reason that the sleets from Egypt took their departure from Kane and Arômata; that is, became they obtained the monfoon the moment they were under fail. The Arab has fortunately preferved this circumstance; for he says, " from Mascat to Kaucam-

M.Chuer, Churrock, pronounced Sharrack.

- In the port of Lamber a China thip is a this deflined for Chiur; and in this feale, perhams, she Alash fays, that well of the Chinefo thips take in their surgo at Birat. He describes their pullings down the griph to Materia and upon meetiming his firms in bial mann, he gails, " after we are clear of their rocks, we " Herr for Omin and Malina!" I machine

" It is written Should, Sharraf, and, by from this, that the currenter ashards falled himfelf on board a Siraf thin for China, and in that fenfe called it w Climate thip. P. S. Engs ed. I do not, however, think this greed for conclassic, as attemly to deny the aggregation of the Course west of Majabar.

- I'wo Araba P. o. Eng. ed. The fina is too fitall to be crolling to too disars are equal to 11. 174. 6d. Do Sary, p. 332.

et mali is a month's " fail, with the wind aft." Here then we have an evidence of the monfoon, and of the pallage direct from one coaft. to the other, in harmony with the Periplus: we have a pallage of thirty days from Mafcat, proportionate to the forty days from Gardefan; and whatever Kaucam may be, we find in Mali a reference to Male and Malabar, in which we cannot be miffaken. Al Edriffi, who copies this pallage from the Arabs, writes the name " Kulammeli; fo that between the two authorities we may pollibly discover Kulam on the coast of Malabar; and on that coast, in the kingdom of Travancore, there is still the port of Coulan, about eighty miles below Cochin; and another Coulam "", or Coualam, to the eaftward of Cape Comorin. Either of thele may be the port intended by the Arabian Journal, as it informs us, that " after watering here, you " begin to enter the fea of Harkand," that is, the ocean to the fouth of Comorin; and in another pallage it is added, that " Kaucam is " almost upon the skirts of the sea of Harkand."

I am not certain that I can follow my author farther; but if I understand him right, it is sufficiently evident, that though they failed by the monsoon to Cape Comorin, they did not cross the Bay of Bengal by the same wind; but after rounding Ceylon, or passing

him geographers are upon the continent.— Compare it also with Abalfeda, who calls is Caulam, the last port of India, where proper is produced. Last 8. Melon. Thereint, vol. i. n. 42.

p. 43.

"This other Coolam, or Covalum, beyond Cape Comovin, is in the country of Torrell 1 but Paelloo fays, the first Coulam ought to be written Collins. P. 75.—The trade conting of at Coulam in Marco Polo's time. See Ill. iii. c. 13.

[&]quot;The Areks had not much improved upon the Greeks in the set of Nasigntine."

The difference of Kaneron and Kalam Caulian may be a consider by imposing the translators in proceeding by the want of the discretical points 1 p. 13, a difficulty which occurs to all translators in readwing proper colors. Compare the Area Cape to the Journal of a with all Little, p. 61, and but Pap. 35, where Calamaratic is characterized as written the Island (that is, the country) which pro- of Conducts proper, Half the minute of the Area Cape.

the firsts of Manar, they flood on by Lajabalus ** and Calabar (which is the coult of Coronandel), and Betuma (the fame as Beit-Thuma), St. Thome or Meliapoor; and then by Kadrange and Senef to Sandarfular, which ought to be the Straits of Malacca ; and thence to China. There feems to be more coaffing in this voyage than in that of Prolemy; for he carries his fleets across from some point in the Carnatic to the Golden Chetionele, at once. But if his communication terminated there, the Arabs went farther east than his Simus Magnus, and reached Canfu " in China, which is the modern Canton, where they traded much under the fame rethrictions which Europeans experience at the prefent hour. After all, they confess that very few of their thips reached China; that the voyage was extremely dangerous ", and that water-spouts and tuffors were continually to be dreaded; added to which, at the date of their parrative in \$67 of our era, the kingdom of China itself. was diffracted by internal commotions ", which made it no longer fafe for merchants to venture into the country.

It is written Najahalus alfo, which of Anallle sends Nachahal for Nacholiur. But the islands of Arabian writers are frequently not filmile; and if she navigator went neil to the Nicobarts and then back to the could of Coronandel, he should doubled the pallage across the hay. Calabar, I toppose, Sands le controll to Mulabar, commencing pottinly at Calymere. Bet Thuma in the limits or church of St. Thomas at Michigona, rear Modran Endrunge and Scoot, I cannot difcover; but Sent I Suppose to be the Sant of Al Edriffi, which, he lays, is ten days from Sandifalet; and Kulturge may be Arrican. Smuthfalst can hardly be any thing offe but the Straits of Melacca; but Reconded reads it theadar-Pulo, and convergent into Pulo Comfor,

which ferms familial. At might be a fablicat of inquiry, whether Sourf, Sauf, or Sauf, may me be Stan. The fee opposite the coast of Communical is called Mary Suspense, which may be the fee of Siam; but Siam extends across the pentulant, and the golph of Siam Proper is on the callern fide. At Edriffi, p. 34-

- Canfit is the Chancett of Al Edvill. P. 39.

Between the les of Hurkand and Delarows there are sees blands (Arabo of Resondut), which include the Maldives, Sarnollo, and Ceylon, in the fea of Harkand. Arabo 2: Al Edrill, p. 25. The danger of the coyage was increased by their, as much as by the oldiscies farther call.

The wars which preceded the dym4y of Sunga. Artin, p. 41. remarks, 47.

But fill it should be remembered, that the Arabians are the first navigators upon record, except the merchants of Cofmas, that penetrated to China; that they are antecedent to the Europeans in this voyage by more than fix centuries; and that they had found their way to the northern " frontier of this kingdom in the ninth century, while in the fixteenth, the Europeans were diffeating whether Cathai and China were the fame. We have no record of any European 45 vifiting this country by a northern route before Marco Polo, in the twelfth century; or of an European failing in the fea of China between the time of that traveller and Nicola di Conti, in 1420. Barthema's voyage is between 1500 and 1504, immediately preceding the arrival of the Portuguefe.

These circumstances will naturally suggest reslections in regard to the Arabs of the Defert, and the Arabs on the Coaft. The fons of Efau were plunderers by prescription and profession; their hand was against every man, and every man's hand against them. The family of Jocktan ", in Yemen, Hadramaut, and Oman, were as naturally commercial; and as they anticipated the Greeks and Romans in the navigation to India, and the modern Europeans in the difcovery of China, it is no more than their due to afcribe to them a spirit of commerce, enterprize, or the thirst of gain, in ages which

lend a Mahammana of not me frink. Remildt p. Tt-

Whether affinally as Auth or not, I current different t him the Arch fays he was arquaisted with one, who had been a rum that had travelled up from [by lami] from Sanarother. There a proof, or healt, that the communication was upon between Superfound and China; and as Samerkand, at their cone, was American Jehran, p. art. Venew and Josh fulfield to the Molema, that transfer was at transfer therein the and EMPLIPED

Empouse had reveled China, but from a different saule. M. Polo Lund a Firm la eard to Confe, with a load of blod : and had goldfraith in Cambola; but be load been enrespected all the cities of China my align as a tital of from Poland by the Tortary, who had made an acompound onto that country.

Collegns calls them, Interior Ambino.

(1)

divides of the East found their way to the Mediterranean, as undoubtedly they did, the first carriers on the occan were as undoubtedly the Arabians.

Whether we are better able to understand the Greeks, or whether the Greeks are more intelligent and better informed than the Arabs, I cannot say; but Cosmas, who was never in India himself—who was a monk, and not the wifest either of his profession or his nation, is far more distinct and comprehensible in the fixth century, than the two Arabs in the ninth, or Al Edriss in the twelfth. He gives a very rational account of the pepper trade in Malabar, and the meeting of the merchants from the East with those of Europe, from the Red Sea, and Gulph of Persia, in Ceylon, which in his age was the centre of this commerce; and he assorbe a variety of information, which the Arabiana either did not know, or have not recorded. But we shall have recourse to him again when we arrive at Ceylon.

I have more than once noticed the Rajah, who, as Pliny informs us, attended the embally from the king of Ceylon to Claudius, and who afferted, that his father had vilited the Seres. I once thought that this Rajah went by lea; but upon a closer inspection of the passage, it is plain that he went by land from Bengal across the mountains called Emedi. Still we have, upon the whole, a proof, that through the intervention of different nations, a communication was open from the Red Sea to the country of the Seres. Whether the Seres are Chinese, has been much disputed; but that they were visited by sea, is true, if the evidence of Cosmas." is

" Colons collection Tainitag, and Tainithe See Differention in infer-

fufficient; and that they were approachable by land through Tartary on the north, is afferted likewife by Pliny and Pudenty. This is a peculiarity that fuits no nation but the Chinele; and if we find this fact recorded from the time that history communess, it is a strong prefumption that the same intercourse took place many ages antecedent to the accounts which have come down to the present time.

Whether the author of the Periphis himfelf failed with the monfoon, or by the coulds which his narrative takes in forceffion, he
has not informed us; but if he was in India more than once, he
might have tried both the different routes. His leaving this eigenutflance undetermined, may induce a suspicion that he was a geographer, rather than a voyager. But the same circumstance occurs
in Capt. Hamilton's Account of the East Indies: he gives the porain succession, from the Cape of Good Hope to China; yet he certainly did not visit them all in one voyage, but gives us the result
of the knowledge he had acquired in all his different navigations.

For this account of the monfoons, and the effects produced by them relative to the commerce of the ancients, no apology is requifite: it is of the very effence of the delign proposed from the commencement of this work, which was intended not merely as a comment on the Periphis, but from the opportunities afforded by that journal to investigate the commerce of the Kall in all its branches; to trace its progress or fituation in different ages, and to examine its relations, causes, and consequences, till the new era of discovery commenced by the efforts of the Portuguese, under the autipiess of Don Henry, and the great work was effentially completed by the achievements of Gama and Columbus.

W

We return now to the narrative of the Journal, which was interrupted at Barake, for the purpose of introducing Hippahia to the acquaintuince of the cender, and commences again with the Bakard, altered at to its orthography, in which it now corresponds with the Beccare of Phny, and the Bakare of Prolemy. It is now likewife augmented with the addition of Ela; in which, as has been obferved, we recover the Eli of Marco Polo, and the d'Eli or d'Illi of our charts. In this paffage there is mention of the Ruddy Mountain ", and then an omiffion in the text, which requires examination before we can proceed. I have larely learnt that d'Illi itself is not red, but that there are red hills, or land, both to the north and fouth of it : the red hill to the fouth, lying near the fea, is that which we must prefer for the Ruddy Mountain of the Journal; and as the features of nature are indelible, it is much fatisfaction to establish the consistency of the parrative upon ground so well aftertained. I confider this, therefore, as a point fixed; but I ought not to omit, that the Oriental Navigator " notices red cliffs much lower down, both on the north and fouth of Anjenga; and as we are approaching very fall to Cape Comorin, if it thould appear preferable to others to affirme thefe for the Ruddy Mountain, there is confelledly fome ground for the supposition.

trom Capt. Heavy Commult's Remarks on the Cami of India, 1720; the work likely I have not form.

" make there lies a realigh hill, by the loss of fide." This must be a league north of d'Illi; for Francia is free leagues from d'Illi, according to the Oriental Navigator, it says. " When Mount d'Illi hore S.E. by E.

of Southward of Monnt d'Illi, in fair wenther, som may be the Dutch fettlement of
Commoor, which will beer N.N. by N. 44
I lengum 1 you bring the day out N.E. by
H. E. about two miles of flower, and then you

would bring that peak from over Callent E. thy N. over a reddill hill by the Ga fide."

[&]quot; Four leagues to the foothward of For-

[&]quot;When Mount o'ell how S.E. by E. a shout four leaguer, Mount Fermels lione "N.E. 1 W three leagues... Two him were in light; one to the fauthward; and it the other northward; the had hereabouts " appearing radios near the fea-fide, specially " towards langer."

⁴ P. 237-

The omiffica " in the text may be fupplied, by supposing that the country of Pandion is intended; and the fentence would then express, that after leaving Bla-Bakard, you arrive at the Red Cliffs, and beyond them the Pacalia ", or coast of the territory subject to Pandion, which fronts the fouth, and where you find the town of Kolkhi, and the Pearl Fithery. By this we are to understand, that he means the fouthern coast beyond Cape Comorin; and so he afterwards expresses himself; for he reverts to Comorin, and then proceeds again to Kolkhi and the fifting-ground:

Ptelemy makes no mention of the kingdom of Pandion previous to Komar; but commences the province of the Ali with Melenda and Elanki ", and makes it terminate at Comar. This would embrace the modern Calicut, Cochin, and Travancure; and in this tract we have still an Aycotta near Cranganoor, that is, the fortress of Ai ". In all other respects, the division of the provinces is nearly the fame in Ptolemy and the Periphus, from Barugaza to Comar; and their want of correspondence here, is a circumstance in favour of both; for the kingdom of Pandion is placed by both on the eaftern fide of the peninfuls, and Modura, his capital, is the present metropolis of Madura. If he had a territory on the Ma-

" Ac Transact of Loyeum Hellis her data THE YEST OF THE PARTY OF THE PARTY. Register with mixture of when-

We may read, also employ you in the house, confirmed by the following clause: Be a man Andre particularly with the Section Bereion THE Roy I by the text we are to underfluid that Elabakave ittelf is called the Ruddy Mountain, perhaps there is forme further omitfice or corruption in the test. I with to confider Ela as Mount d'Illa, and Bakure, or

Ela-Biliare, as Ram-d'Illi, tiens the mouth of the river where the enfich by I will here might be the reddille hill our learne N. of d'Illia.

 We fould parefully happens that Predictions as Greak now, and thought also make heat. Mr. Hamilton informs har, that Paralaya, in Shall reet, figuilles the removed regaln , which he the extreme part of the pomintals?

- Neignmig and Ein-

- B'Anville, p. 116. Pinton p. 19.

both a when speaking of his possessions on this field, he says, Modust, the capital of Pandion, was at a great distance inland.

KIL BALITA, COMARES, KOLKHI, PEARL FISHERY.

DALITA is the first place mentioned by the Periplus after leaving the Ruddy Mountain: it is the Bam-bala of Prolemy; but we have nothing to determine its position, except the mention of its having a fine road for shipping, and a village on the coast. No representative of Calicut appears, and probably it did not then exist, nor for several centuries afterwards. The Kolkhi of the ancients has been frequently militaken for it; but as Kolkhi is beyond Comorin, and is the seat of the Pearl Eithery, the supposition is impossible. Calicut **m* was the grand centre, for many ages, of all the Eastern and Western commerce, from its origin in 805 *** till the arrival of the Portuguese; and though its splendour is now edit sed, it is still a place of great trade for pepper ***, cardamums, fundal-

refit the country of Mander Proper could refit more than twelve imaded to dead over according to Capt. Handbook h 188

Three is a Toni-ball, on this small full : fait shaller it is meions or modern I know not, our whether its position would be funable, if those points not a be afternaised.

We have a Mahamedian account of the fertlement of the Mahame at Chieff, rakes from bendue, and published as the India Afric. Register 1700s p. 142. Milest. But at Ferians are a Mahamedian implify, for does be fay, he has it foom a piccomid account; and though it preferves the outline of Ceram

Personal's recirement, and the dission of Moleber, it fill contains much that is protoconacted, and feems a Malaumatan fitting to give the Mollems a legal furthermal in the country-Subjoined to this area that, however, there is a valuable serie, giving an account of the Liveder of Bünger- is tile, power, and diffilating; and proving, that the inflance of the Rum Rajals extended over Malabara.

P'Anelle, Amin de l'Inde, pe tra-

orat established on this coult for the propert of procuring their articles, and Augury-

wood, and other commodities; much frequented by the velicle of Europe, and fill more by the traders from the Red Sea, Markhat, and the Gulph of Perfia. Their are circumflances too well knownto be infifted on; and we must proceed to Comar, no less confiscuous in its fination at the apex of the peninfula, than in the prefervation of its name through to many ages, and to many revolutions both of commerce and of empire.

At Komar there was an harbour and a fortrefs, with a garrison: there was likewife feme religious establishment, in which those who dedicated themselves to the worthip of the preliding delty first confectated themselves by ablutions, and then entered into an energement of celibary. Women partook of this inflitution as well as men; and the legend of the place reports, that the goddels to whom their fervices were dedicated, used formerly to practise the same ablutions monthly at this conferrated spot.

The name of the place, according to Paolino ", is derived from Cumari, a yirgin daity, the Diana and Hecare of the Hindon mythology. The convent ", he adds, filll exists, and the fame Superstition is practifed at a mountain three leagues buland, where they fill preferve the tradition of Cumari's bathing in the fea. The Sanferest name, he adds, is Canyamuri, Cope Virgin, but contracted by the natives themselves into Coman, or Comant. He mentions:

Committee of the configuration alle on the flow the transmitted policies to the unlimit short damana, bertelber, because they deprime an exputors of line. (Their are the Germanical Strains | They live in converse ander a imprior. the point in ground an and a of palmiliate state our more at little with the THE R. P. LEWIS CO., LANSING, MICH. P. LEWIS

Tout Committee with a to double ratio Dime (ex Photo) is the gud baland the moon the fifther of Phirbon, Whether Come has high a strong ing in Sanfernets, or the goodele food experieline in Hinden mythology, may be on-

[&]quot; The religious of this tern, he fayer are

alfo a finall port here, conformably to the account in the Periphis; and a church, founded by St. Kavier, on a mountain close to the feat, which, report fays, is dedicated to the Virgin Mary; but on this head the good Carmelite is filent, and I know not whether the

report is true.

Circumflances to correspondent, at the diffance of two thousand years, could hardly be found in any country except India; and to the local knowledge of Paolino we are much indebted. He has reproduced, indeed, all literary men, who prefume to determine questions in their closer relative to countries which they have never vifited; but though I and others, who purfue our fludies in retirement, owe him fomething in return, I fhall revenge myfelf by no other method, but by citing a beautiful passage from his work, deferiptive of the Paralia ", or Coast of Malabar, Paolino, on his return to Europe, had embarked in a French frigate called the Calypio; and while he is purfuing his course between Cochin and Cape Comorin, he burfls out into a rapturous description of the figurery prefented to his view:

"Nothing " can be more enthanting to the eye, or delicious to " the fenfes, than is experienced in a voyage near the extremity of the peninfula. At three or four leagues from the coaft, the " country of Malabar appears like a theatre of verdure: here a " grove of cocoa-trees, and there a beautiful river pouring its tribute " into the ocean, through a valley irrigated and fertilized by its " waters. In one place a group of fifthing-veffels, in another a

Couff of Commandel. STREET, But no down it. W P. 371

⁻ Paolino is mulaben in Supposing Parelia in contradistinction to Parelia Sociagorum, the to be confined to the Pairl Fallury: it ensends the whole way from Elabakaye to the Fishery, and is literally the coult of Mulahir,

⁴⁴ white

" white church ", peering through the verdure of the groves; " while the gentle land-breeze of the morning wafts the fragrange " exhaled from the pepper, cardamum, betel, and other aromatics, " to a great diftance from the thore, and perfumes the veffel on her " voyage with their odours; towards noon fucceeds the fea-breeze, " of which we took advantage to speed the beautiful Calypso to-" wards the port of her deltination."

Our Greek and Arabian conductors have no efficients of imagination, but a picture of the country where we are, drawn mon the ipot with the enthulialm and lentibility of an Italian, will make ample atonement for the digreffice. I need not add, that during the north-eafterly monfoon, a voyage on the whole coast is effectually a party of pleafure.

We are now to proceed to Kolkhi and the Pearl Fifthery, in regard to which Paolino is much displeased that none of the geographers have agreed "in placing Kolichi at Coleche". He will not allow any of us to know the leaft of the fituation of places which we have never feen, and yet we shall build on his own premises to subvert his conclusion; for he, in conjunction with all our charts, places

"There were many churches in this conntry, both of the Million, and of the Mainter Christians; but the irrepline of Tippen defireyed every 211 day pageda, and every Clinic thin church, as for as he pinetruned. Af-Ref. vil. 179.

To their Christians of St. Thomas, Alfred feat Sightha, bp. of Shirboarus, who brought home many jewells, aromatics, they found of which remained king at discharge. Fischluir; ii. 5.

I with we had more authority for this than P. 74.

the tradition of Storbourns, for Alfred deferres every bonour which can be added to

" In Mr. Lie Book's Account of the Pent Pittery it is failf that the best divers are from Collish, omsthe court of Malabur. I conclude

that this if Culcehe. At Ben v. 407.

Quetta cirra in lovente confus con Covotan, Colina, o Colin, degl' sutintis de quelle territori co oche non averson commista il stolevele delle dus cirts era fe multi-diventa. Colcabe

Colesie?" previous to Comorin; and therefore, whether we find a representative for Kolkhi or not, his affirmption must be falle; for both Prolomy and the Periplin ?" place it, not to the westward, but the callward of Cape Comosin. The Pearl Fithery is not now, and mover was, carried on to the weftward or northward of Cape Comorle. The Pearl Fithery is likewife marked out by another characteriflic flill peculiar to it; which is, that pearl system are found only at one place—the ifland of Epiodorus, which can be no other than the iffe of Manar ", and there the fithery is at the prefent hour. By the same of Epiodôrus, we may conclude a Greek of that name from Egypt was the first of his countrymen that visited this illand; and where would a Greek not have gone ", if he had heard that pearls were to be obtained? The great request in which they were at Rome and Alexandria, feems to have marked them out, not indeed as of greater value than diamonds, but as a more marketable and preferable commodity for the merchant.

The power which in different ages has prefided over the Fithery, whether native, Portuguele, Dutch, or English, has regularly taken its flation at Tutacorin; the Fiftery itself is always on the Ceylon fide, towards Manar, at Chilao ", Scewel ", Condutchey, &c. The number of persons who affemble, is from fifty to fixty thousand;

Capt. Hamilton says, between the middle and with point of C. Commin. 1 555

and the second

in Lis purks policina a latino a Manistra Plan-Duce the Bur he has Blancile, there are ewo lifter has lime on the wall would of Ceylon, is the open for and another suft of Cape-Comorni, legislated by the Strans of Jonnar, p. 190.

Sill both ore in the suffered of Cape Comb. Loring and shoulded of Epindarus remains all I Codim.

" Bay (Revens's Hift of Pering p. 400. He lays Chilan figures a kultury in the native Innigonacci

" Mr. Le Book's Acc. All Ref. val. v.

confishing of divers, mariners, merchants, and tradefmen of every description. The Nayque of Madora, who was fovereign of the coast, and the representative of Pandion, had one day's lithery; the Governor of Manar's wife, when the Portuguese were masters, had another day, afterwards perverted to the use of Jeinits; and the owner of the vessel had one draught every fishing-day. After the fishery was concluded, the fair was kept at Tutacorin. The brokerage and the duty amounted to four per cent.—paid by the seller. The vessels were not sewer than four or sive hundred, each carrying from tixty to minety men, of which one-third were divers. Capt. Stevens supposes the pearl of Manar to be inferior to that of Bahrein.

This fiftery is likewife described by Cefar Frederick, and a variety of authors. He informs us, that the divers were chiefly Christians of Malabar in his time; they are now a mixture of that description, of Roman Catholies, and Hindoos; but the superstitions practifed to preserve the divers from the sharks; and other dangers of their protession, are all Hindoo. Several faustics are well paid for their attendance during the sistery for that purpose; and the sharks are as obedient to the conjuration of a Bramin, as they could be to a Malabar priest; for the charm is not perfectly efficacious. Those who with to enquire farther into the detail, will meet with a very excellent account in the Asiatic Researches (vol. v.) by Mr. Le Beck; in which he will find that this suffery, which used to produce 20,000% to the Portuguese and Datch of the English of the year 1797, 150,000% under the management of the English of the

Point, it the fact of the filtery. The species and Branks, at the fact of the filtery. The

In the age of the Periplis, none but condemned criminals were employed in this fervice; a practice common to all the nations of the ancient world, in their mines, in their gallies, in the confluction of their public buildings, and execution of all their public works. The mines of Potoli are full worked by flaves, where the fame mileries are experienced as Agatharchides in has depicted in the gold-mines of Egypt; white in Europe, or at leaft in England, we never want freemen to work in our collieries, in our mines of tin, lead, or copper, whose labour is procured, and whose dangers are compensated, by the higher price they obtain for the services they are to perform.

I ought now, in compliance with the nature of the undertaking in which I am engaged, to follow my author to the conclution of his work; but as I am perfuaded that he never went farther than Nelkunda himfelf, and that he has built upon report in all that is fubfequent to that place; so does report grow so vague after quitting the Pearl Fishery and Ceylon, that though he mentions several circumstances in common with other authors, there is so much indeterminate, that I reserve it for a separate discussion. My reason for afferting this is, that he extends the Goast of Coromandel to the east; that he is no longer in particular, but general correspondence only with Ptolemy; and that he has extended Ceylon towards Africa, instead of assigning it a position where it actually exists.

* Agetherchides had faid a great deal more than his observation has preferred:

You dook in about a sales showing para nave-

But what remains it farm-eat ;

Opp il indjames dange of theile, transfer

(any into plants) is also been given and abaseline exclusive program. P. 27.

The multitude of bours fill found in thefo exceptions is beredible, of wretches cruthed by the falling in of the earth, as mult naturally happen in a loofe and crumbling fail.

Pliny

Pfiny has faid fomething of the paffage between Ceylon and the continent, not very fatisfactory indeed, but fufficient to shew his opinion, that the trade was carried on by this strait. The Periplus feems to confirm this idea, and Ptolemy has nothing to the contrary; but if the opening in Adam's Bridge, near Manar ", was no deeper at that day than at prefent, no fhip of burden " could have paffed it. Pliny informs us, that throughout the whole of the firaits the depth was not more than fix feet; but that there were particular openings, to deep that no anchor could reach the ground. He is likewife to deserved in the polition of the illand, as to make the emballadors fent to Claudius aftonished at feeing the shadows fall to the north; not reflecting that in their own country, if he had known its fituation, they must have made the same observation annually, when the fun was to the fouth of the equator. These and many other errors of the ancients, induce me to enter more largely into the account of Cleylon than the nature of my work requirer; and this I thall confider as the termination of my inquiry, leaving the remainder of the Periplus for a general discussion, by way of fequel to the whole.

Pliny mills either thin illand, or Ramana Kod, the Illand of the Suc.

Manay, in the Tannel linguage, figures a findy riser; applied here to the feellowers of the Iran. Al Rel. v. 195

The filtery is uffestly on the Caylor fide I as at the Securi limb, no mile well of Aripoo, Combittley, Are. Helt.

Hardonia allows that the Collinson Pro-

NAME AND ADDRESS OF TAXABLE PARTY.

montorium is not Comorio, but at the Straits of Manur-

A passes in Ploy, omitted in the protect is piece, is. Magnitude afterns militared forties I which Voltam interns and reads, Magnitude at seres until a supercorn. No help of the use could now pain the drafts.

Hardonin adopts this considerion, lib. et.

Control of Control Spirit Control Spirit

Name of the Owner of the Owner

CEYLON. XIII.

THE first account of Ceylon was brought to Europe by the Macedonians, who were with Alexander in the East. Onesicritus is recorded as the first author who mentions it, under the title of Taprobana; and its variety of names in the Eaft, as well as Europe, is one of the extraordinary circumflances that attend it.

Lanca ", or Langa, - is the true Santkreet name, according to Paolino, p. 371. Voilius ad Melam, lib. iii. 7.

- another Sanfkreet name, feemingly joined with Lanca; Lanca-llam, Id. There is a fabulous island in Al Edriffi, Lanchialos, which he fays is ten days fail from Sarandib. Is it not an error from Lanca-Ham?

another Sankreet name, fignifying Sal, Salabham, true; and labham, gain. Paolino.

Salabha-dipa,

Sanfarcet, The Island of true or real Profit, Salabha-dip, from its rich productions of gems, spices, &cc. Paolino.

the first name brought to Europe. Bochart Taprobana makes it mo-so Taph Parvan, Littus

Af Ref. vii. 49

" Supported by Burners to be Tapo bon, the Wildersels of Prayer. Ayren Aclari, II. p. 320, off. id. This is not for probable as

" Lankowski, Capt. Mahoney on Ceylon, Tap-raban. Mr. Humilton does not difapprove of Tap-rahm, but alds, that there is so allufum to fuch a muse of the illand in any Sanfavent writing he has found

aureum.

aureum, 2 Chron. iii. 6. and the Ophir of Solomon. But it is from Tape, an ifland, and Ravan, a king of Ceylon, conquered by Ram. According to the Af. Refearches, v. p. 39. Tapravan, or Tapraban.

Salika

of Ptolemy, who fays, it is the Taprobana of the ancients, afterwards called Simoondu, but now Salika or Salike; the inhabitants, Salie. Salike is therefore an adjective like Ariake, Barbarike, Limurike, with we or proc, understood. And the island of Sale approaches very nearly to Selen-dive.

Seren-dip, Sielen-dip, Selen-dib. Selen-dive, Σαραντοπ. Citylococcas in Volfius. Δ.Cs γ ερα dureic virus + χωρα. Volf. ad Melam, 257. Var. ed. 569. Philoflorgius.

the Scren-dib, or island Scren, Selen, of the Arabs; the Sarandib of Al Edriss; the Divir", and Screndivir, of Ammianus Marcellinus, who is the first author of the Latins or Greeks who uses this name. Divis, the Luckdives or Maldives, or Islands in general. Seledivis,

There is a particular raft on the iffamiliar this day, ediled Sale or Challe, and Challe has they are labourers manufacturers of finds, and chambers-pediere; and if the antiquity of their effalliffurent in the illand (for they are not a native tribe) be attainified, do

name of the people, Salai, and of the illand, Salike, would be minerally derived from them. At Ref. and vii. p. 431. In a highly nucleus. Treatife on Crylen, by Capit, Ed. Moor.

= Divis la ufed in the cafe in which it be-

Sclen-

Selen-dive, the ifland Selen. Am. Mar. lib. xxii. p. 306.

Palælimoondu

of the Periplus. Pliny fays there was a river and city of that name, with 250,000 inhabitants; the natives called Paizeogoni, perhaps from Ball, the Indian Hercules. Paolino interprets it Parafhrimandala, the kingdom of Parathri, the youthful Bacchus of the Hindoo mythology. But it ought not to be omitted, that Mr. Hamilton confiders Simoonto as expressing the utmost boundary or extremity; and Palifimoonto, as the limit of the expedition of Bail, the Indian Hercules.

Sindo Candre,

fo Prolemy calls a town and the natives, on the well; Galibi and Mudutti, in the north; Anurogrammi, Nagadibii, Emni, Oani, Tarachi, on the caft; Bocani, Diorduli, Rhodagani, and Nagiri [Nayre], on the fouth.

- the name in utage in Malabar. Paclino. Singala-dweepa, - is the true Sanfkreet name, according to Sinhala-dviba: Paolino, Mr. Hamilton; the island of Singala"; for dwips, or dweeps, is equivalent to the

T Pola Simon: Voliment Mrt life iii. 7. Infals Immountain, while the Profits additions of the Div, in Bland. Die in a facciful etymology; and yet the temple in Cerlina deferied by Capt. M. Krazic, Al. Reli vol. vi.

p. 458, very much refembles the supples in Sum, Asa, Sec.

Single a Bong Singhtleis, Berrard. from a fable of a king of Ceylon, born of a lion. Capt. Malamey, At. Rot. vil. 48.

diva

diva of the Arabs: hence Singala-diva became their Selendive and Serendive; literally, the iffand of the Singalas, the Chingalese, and Chingulays, of the Europeans; the Singalas or Hingoos, as the natives full call themselves. I cannot help thinking this the most casy and natural of all the etymologies that have occurred; and I return my best thanks to Mr. Hamilton for the suggestion.

Cala, - - the name used by the Arabs of Renaudot,
p. 61.; but perhaps Sala 109.

If fuch is the fluctuation in the name of this ifland, the different reports of its fize and fituation are fill more extraordinary.

Onesicritus estimates it at five thousand stadia; but, according to. Strabo, mentions not whether it is in length, breadth, or circumference. I conclude that he means the latter; because, at eight stadia to the mile, this amounts to six hundred and twenty-sive miles; which is not very distant from the truth, for in Rennell's last map

The length is - - - 280

The breadth is - - - 250

The circumference is - - - 660***

If therefore we interpret Onesicritus rightly, he is entitled to the merit of correctness, as well as discovery; an honour due to very

few of the ancient geographers in diffant regions; but to make amends, he adds, that it lies twenty days fail from the continent.

Eratofthenes reduces this diffance to only feven days fail, which is fill too much; for it is not more than thirty-live miles from Point Pedro to Calymere, and fifty from the point next Manar to the opposite coast at Ramana Coil, which is the point where Pliny measures, or about an hundred and seventy from Cape Comorin to Manar. But then Eratofthenes adds, that it extends eight " thoufand stadia towards Africa; that is, according as we compute the fladium, either eight hundred, or a thouland miles, in a direction exactly the reverse of truth. In this I am forced to confels, that the Periplus has followed Eratofthenes, and added to his error; for it is flated in express terms, that it reaches almost to the coast of Azania ", which lies opposite to it in Africa. In some account of this fort exists the cause of the error in the Arabian geographers; for Al Edriffi has confounded Cape Comorin, or Comari, with Gomar", that is, the island of Madagascar; and in his map he has actually placed Madagafear to the eaftward of Ceylon. This arifes from his extension of the coast of Africa to the East till it reaches

- train, t 72, goto, p figo, 8000. - Rail walls let als sand darks nemerossimon

Acoust copies.

gattar, no contounded. In p. 55. Con. is a very lawy alleyd for country I, the king of which feed in Males This is evidently the residuals terminated by Comorne the king of which lived in Malmaca and the mand carnodit lies beven days fail from it, which is the difference given by the ancients. But p. 44. we have Come again, out day's fail from Liagutta : now this is Madegation a for Degetta in Baltala Perhaps, U we ever about a felestific tradition of Al Edulla == may find diffuserious to shoute this continuous for his transfertor, Gabriel, knew as little of Ceylon as of Ruffits

[&]quot; It frems to name of proof, that Al Edriffi has make two Mands out of Ceplon, infield of one: distants, he lays, (p. 28.) is taco miles in circumference; and Savandale (p. 34.) is to miles long and to miles broad-And you have Smanth in Caylon, my well as a spuddly appears manifest, by his planing the Posit Filtery there, and making it a great refort of merchants for frieza. He has a dif-Cape Comorin, and Come the illand of Mada-

the fea of China, and the necessity he was under of making Madagafear parallel to the coaft of Zanguebar.

It is with concern that I mention these errors, in which the author of the Periplus is involved, and upon account of which I am confirmined to allow his want of information in every thing beyond this point, and to confine mylelf within the boundary of his knowludge, which must be fixed at Ceylon.

Strabo fuppoles Cevlon not to be less than Britain, and Josephus"4 conceives Britain not less than the roll of the habitable world : these, indeed, are expressions at random; but what shall be said of the amplification set of Ptalemy, who makes its

Section of the second		9	- 11	Miles
Length	100	14	West.	1,050
Brendth	日 好	UR	1 3	700
Civcumference -				

He does not, indeed, extend it towards Africa; but he carries the extreme louthern point more than two degrees fouth of the equator, which in reality is little thort of fix degrees in northern latitude. His errors defeended much later than could have been supposed; the Marco Polo" mentions this illand as two thousand four hundred miles in circuit; and adds, that it had formerly been three thousand fix hundred, but part of it had been swallowed up by tempest and inundation. And even to late as fixty years before the discovery of Gama, Nicola di Conti supposes the circumference to be two

" Strikles, p. 190. Candier's Herrinda, of M. Polo defeends from Prolemy; for Le-Leddell Brief Teoletry from Becken man I for " D'Anville observes, that this amplitude had the Main in line (arreduced the maps of Piolimy Into India?

thouland!

pref. lexvill. See Pythias Polyh. iv. Why. Hist. tills is the fire, in the mutiners' many, we. 40,000 Partin.

tion is me to to v.

I am not certain that the amplification

thousand miles. Now what is most extraordinary in this is, that both or these travellers must have seen the island infelf, and must have failed beyond it, if not round it.

My purpose in producing these facts is not to expose the errors of those who have preceded me on the subject, but to show how uncertain all information is, when grounded upon report. And yet, in the midit of this darkness, Ptolemy's information was fuch as, in one inflance, to confirm the rank which he to defervedly holds in preference to others; for he gives the names of places more correctly, and more conformably to modern intelligence, than appear in any other author, Greek, Latin, or Arabian. This is a merit peculiar to him, not only here, but in the remotest and least known regions of the world; it proves that his laquiries were made at Alexandria of merchants or mariners, who had actually visited the countries he deferibes; but that they had not the means of giving true politions, because they had neither inflruments for obfervation, or the compals to mark their courie. The North Polar Star was not visible; and if they failed by the Camebus in the fouthern hemilphere, as Prolemy afferts they did, that Ilar is not within fifteen degrees of the Pole, and would give occasion to a variety of mittakes. Still, umler all their difidvantages, it is formething to have procured names that we can recognize; and their names at once put an end to the dispute formerly agitated among the learned, whether the Tapróbana of the ancients were Ceylen or Sumatra. They prove likewife, that fome merchants, or travellers, had reached the capital and interior of the illand. By them the capital was found where Candy now is, and called Mas-gram-

Not Nicolas di Conti, unteli opon his extern,

mum", the great city, or metropolis, which was placed on the river Ganges, fill called the Ganga, Gonga, or Ma-vall-gonga, the great river of Bali ", which flows to Trincomalee. The Hamallel mountains, among which is the Pike of Adam, are likewife laid down relatively in their proper polition, and called Male, the Sanferect term for mountains; and above all, Anuro-grammum is preferred In Anurod borro, or Anurod-gurro, a rain found by Knox, while he was eleaping to the coalt; which, he fays, lies ninety miles north well from Candy, and in a polition correspondent with the account of Prolemy. He found here three flour bridges; the reminims of a pagoda or temple, fuch as no modern Ceylonele " could build; and many pillars, with thone whatis on the river Malwatoowa. Sindocande is another name exprelling the monotains of the Hingoes, the name by which the antives call themselves; and Hingo-dagul is their name for Candy; for Candi is a hill or fortiefs on a mountain; and Hingo degal, the city of the Hingoos, perverted by borruption into Chic. so leds ", by which came they are at preions known to the Kuropeans fettled on the coast "

If Thele fasts are collect if from Challen, not woultby as powerful morgh to Support Knox. Ribeyro, Major Renned, maken in the explanes and parametric in other factors. county distribile. Among the Photo programmy positions has but emergy aboungly to require

the place is read to the control of the control of by Plays, to not a Cartill other, with the secondary of hispines. He was friend after shoppurifice the differentiant is to be written of Belling

poor, and goor, have the fame menting.

" Know pp to be The and of His dollars, the personal of the Coulom are that described you the footh, where elephones are that tion or to Built, and at process to one into mate found, with eather principles over here, there were works as are that I here, by at Elegens states m Eliza. But the Hinden governments are

"You the winder of this, the Kane's Hill word a samed at years a personny. He Common the that a city, in Sec. or position to be languaged and things be only Decline, p. \$50. Sec. or p. 6. Burn, in eq., have be strove, is highly writty of credit or an muchast of in engines, principles, and religion.

- DiAwife likewife mentions the wild refinest to prove the feet for which they are La South

Bockers has many other names, in which he finds a refemblances, and those who know the country, by reliding in it, might discover more; but I have confined myself to fuch as are incontrovertible; and these are fufficient to taile our aftonishment, how a geographer could obtain to much knowledge of a country, without being abla to afcertain its dimentions or polition.

Prolemy has fill another particular which in very remarkable; for as he places the northern point of his Taprobana, opposite to a promontory named Kôru, fo has he an illand Kôru between the two, and a Tala-Cori on Ceylon; and Kory, he adds, is the fame as Calligicum. This is denied by d'Anville, who feparates the two capes; and makes Kory, the point of the continent, at Ramiferam; and supposes Kalligieum to be Kalymere, or Kallamede. This may be true or not, but it carries us away from the intention of the author; for Prolemy has nothing to correspond with the notthern head of Ceylon, now called Point Pedro "; but he makes his Boreum, or northern cape, erroncousty indeed, opposite to Kory ; and his three Korys on the continent, on the intermediate island and on Ceylon, are in perfect correspondence with circumflances actually existing.

The expedition of Ram to Ceylon, and his victory over Rhavan, or Rhaban, king of that island, in one of the wildest fables of Hindeo mythology; but he paffed into the illand at the first, fince called, by the Mahomedans, Adam's Bridge. The whole country round, in confequence of this, preferves the memorials of his conquest. There is a Rumanad-buram on the continent close to the bridge; a

Maported, but a cargo of tiggradiamen mus-

Rami-

⁻ Problem is some a otherly than Polon communication with the continent by seems finders; but, lying our of the marrie of the or this bedge. Elephants neight have been suyoge, is feldom untiped:

The existence of tigers, and other noxious bable. anonals, in Ceylon, simoft proves an abosignal

Rami-ceram, or country of Ram, the island close to the continent; a Point Rama, on the continent. The bridge litely, formed by the thouls between Rami-ceram and Manar, is Rama's Bridge; and in Rami-ceram is Raman-Koll, the temple of Ram. This Koll or temple is undoubtedly the origin of Koru; and the repetition of it three times in Ptolemy, is in perfect correspondence with the various allufions to Ram at the prefent day. Kora is likewife written Kölis " by Dionyfius, and the natives called Kôniaki, Koliki, and Koliaki, by different authors. This fluctuation of orthography will naturally fuggeft a connection with the Kelkhi of Prolemy and the Beripha, which both of them make the feat of the Pearl Fifhery; and if Solikoore be Tura-covin, as d'Anville Supposes. the relation of Kolkhi to that place will lead us naturally to the vicinity of Ramana-Koil; for Tuta-corin was the point where the Dutch prefided over the fishery while it was in their hands, and maintains the fame privilege now under the power of the English. But Koil, whether we confider it, with Prolemy, as the point of the continent, or feek for it on the Illand of Ramiferam ", is fo near, and fo intimately connected with Manar, the principal fear of the fifthery, that there can be little hefitation in affigning it to the Kolkhi of the ancients. Whether there be now a town of confequence either on the continent or the island, I am not informed; but that

Paoline imposite Kalle to be Covalence the best account of the two islands, the fireits, mgs on this Bland, except those shout the in Capt Mackenwick Narrance. At Re. C.d. in the Tamial Linguistics of figures a time-tencents, vol. 85 p. 4-5-1 a paper which gives, pic. P. 477-

the Diniville relicinity makes Kons the fame and Adam's Bridge, that I have yet from a Korre Nam's Tree transfer was a family the control of payed of the store time . . . The product

Koll, and Kolis, and Kolkhi, and Kalli-gicum ", are related, I have no donlit.

The Kolkhi of Ptolemy is on the coast, indeed, previous to a river called Solen; and fuch a river appears in Rennell's Map, with the name of Sholavanden applied to a town on its bank; or Solên "" may be the Greek term which fignifies a shell-fish, alluding to the Posrl Fifthery in the neighbourhood. If therefore we adhere to Ptolemy, the iffue of this river would give the polition of Kolkhi to a certainty; but the description of the Periplus would lead us directly to Koil, on the Island Rami-ceram; for it is there faid, that the Bay of Argalus succeeds immediately next to Kolkhi. Now the Argalus of the Periplus is the Orgalus of Ptolemy, which he places inflantly subsequent to his promontory Koru; and if we suppose this promontory to be the extreme point of the continent north of Rami-ceram, which it is, we obtain the polition of the Kolkhi of the Periplus, without a doubt. The island Korn of Prolong is placed at a diffance from the main, erroneously, as all his islands are; but as it is certainly the fame as Rami-ceram, and Ramiceram is separated from the continent only by a narrow channel, the-

" For Kringicum, Salmaires areada Vallaate. Um. Expetites. And he adds. Prace-alla has re surveor, Kalmade vel Kalassal, seterum, effit recentisism Killand And yet, Brange!

- Solling in its original fenfe, is a pipe or pored to represent, but me the part cytter. Perhaps this march was found in the stear, without colation to the fillery, A learn from Capt. Mackengie, that there is a fithery on

Case fide of the Brest seared the continent. called Chicome, correct on along a range collect the Low or Fat Hands. The river, = d'Apewille has onforced, divisiry inland, and falls by this the Residue of the Peripha and be, into the fee by their country one on each filesof Kam. D'Anville, Anniq de l'Inde, p. 103. Af. Referebes, vol. 4. v. 426 Chimpio. flute, which the colling matthe may be fup. the native term for the next syster, according to Salinsfan, is derived from Concha, and received from the Greek and Roman traden-Biggs to they with him beneath

illand Körn and the cape Körn may therefore have been brought into one. I certainly think that Körn, Kolis, Kolkhi, and Koll, are the fame; but I am not formuch led by the name, as by the polition afligued to Kolkhi in the Periplus, immediately preceding the Bay of Argalus.

My own deductions on this quellion, I must confess, are contrary to Prolemy; and his authority has induced a Anville, Rennell, and Robertson, to assume Kilkhare which is at the mouth of the river. It is but reasonable to conclude, that the concurrence of witnesses so eminent will prevail against the evidence of the Periples, and any thing I have to offer in its favour. Still, however, it is just to state the question fairly, and leave the determination to those who may chuse to ferminize it more precisely. On one point all testimonies agree; which is, that Kolkhi cannot be Coleche, as Paolino with much confidence afferts; for it is impossible that it should be to the west of Cape Comorin.

From the fifthery we may proceed to the ifland itself; and the most distinct knowledge we have of Ceylon from the ancients, is found in Cosmas Indicopleustes, whose narratives are as sattliful as his philosophy is erroneous. He tells us honestly, that he was not at Ceylon himself, but had his account from Sopatrus, a Greek, whom he met at Adooli, but who died five-and-thirty years previous to his publication. This affords us a date of some importance i for it proves that the trade, opened by the Romans from Egypt to India direct, continued upon the same sooning from the reign of Claudius and the discovery of Hippalus, almost down to the year 500 of our era; by which means we come within three hundred and lifty years of the Arabian Voyage published by Re-

⁻ Monthagon lines the full date of Colmar's publication in 535.

naudot, and have but a finall interval between the limits of ancient geography and that of the moderns,

Sopatrus, as his name teflifies, was a Greek; and I have not yet met with the name of a fingle Roman engaged in this trade". Perhaps the jealoufy of the emperors, which did not allow Romancitizens to enter Egypt without permission, had likewife forbidden them to embark in these sleets. But the intelligence derived from Sopatrus is so perfectly consident with all that has hitherto been adduced, and so correspondent to the Arabian accounts, which commence only three hundred and fifty years later, that it carries with it every mark of veracity that can be required. For Colmas reports, from the tellimony of Sopatrus:

I. That the Taprobana of the Greeks is the Siell-diba of the Hindoos; that it lies beyond the Pepper Coaft, or Malabar; and that there is a great number of fmall islands [the Maldives] in its neighbourhood, which are supplied with fresh water, and produce the cocoa-nut in abundance. The cocoa-nuts he calls Argellia; and Argel, or Nargel, I am informed, is the Arabic name of the cocoapalm tree. He adds, that it is nine hundred miles in length and breadth, which he deduces from a native measure of three hundred gaudia; but if gaudia are colles, his estimation of them is in excess; for three hundred coiles are thort of five hundred miles-a computation too large indeed for the island, but fill more moderate than that of the geographers previous or fublequent,

II. He acquaints us next, that there were two kings on the island: one called the King of the Hyacinth is, that is, the country above

[&]quot; The freedman of Placeman, who reached his was birefelf probably a libertus of Claudint-" The suby of Certon is proverting. Pao-Ceylon in the reign of Claudius, was not a Roman, and Plocamon is not a Roman name: time, dedication. Pany, waxen, 41-

the Chauts, where the ruby and other precious flones were found; and a fecond king, pollefled of the remainder, in which was the harbour and the mart, that is, the low country on the coaff, where, in different ages, the Arabians, the Portuguefe, Dutch, and Englift, have been established. On the coast also, he says, there were Christians from Perfia, with a regular Christian church, the priests and deacons of which were ordained in Perlia; that is, they were Neftorians, whole catholices relided at Crefiphon, and afterwards at Moful: in fact, they were the fame as the Malabar Christians of St. Thomas, and occupied nearly the whole of the low country on the roall, while the native fovereigns, above the Ghauts, were Hindres.

III. Another particular we obtain is, that in the age of Soparrus, Ceylon was confidered as the centre of commerce between China and the Gulph of Perfia and the Red Sea. The Chinese he calls Tzinitzes "to a most remarkable term, expressing the natives of the Cheen, or Ma-cheen, of the Arabs , that is, either the peninfula of Maiacra, or China itlelf; most probably the latter, because he mentions the fame particulars as Ptolemy and Pliny affign to the Serea; that they inhabit the country farthest to the east, and that there is nothing but fee beyond in

My. The commodities obtained from China, or other places caft of Ceylon, or found " there, are, filk " thread, aloes " cloves,

BILL

exten Climite [Certan] represents funt and the cuby.

m symphills, fandalum, carife a, & figuram The state of the s "Miraba rend simfar chimanhan P 38. But without any mamilla "So Al Eduffe: Aromata was some in of simumos, though its natices the remail."

and fandal-wood ". Their articles are exchanged with Male, or the Pepper Coast; or with Kalliana [Tana], which supplies in return brais, fefamum-wood ", and cottons. Its commerce likewife extends to the Sindus, where the cafter, mulk, and spikenard, are found; and to the gulph of Perfia, to the coast of Arabia, and to Adooli ; while the feveral commodities of thefe countries are again exported from Ceylon to the Eaft

V. We are next informed of the feveral ports of commerce, commencing from the Indus, in the following order: Sindus, Ocrotha ", Kallima, Sibor, and Male; and if it might be permitted to interpret their Scindi, Surat, Bombay or Tana, Canara, and Malabar, the Periplus would be in perfect correspondence with Cosmas and Sopatrus. In Male, or Malabar, he adds, there are five ports where pepper may be procured-Parti, Mangarooth, Salo-patan, Nalo-patan, and Pooda-patan. Mangarooth is generally supposed to be Mangaloor; and the three Parans, or towns of Salo, Nalo, and Poods, are to evidently Malabar names, that it is highly probable those who are conversant in the native language of the coast may ftill discover them, however they have been superfeded by the more modern ports of Calicut, Cochin, or Coulan.

VI. After this follow fome accounts, not equally correct or intelligible; for we are informed, that Sielidiba is five times twentyfour hours fail from the continent; and that on the continent is

m If we suppose Ornotha related to the of Turageon take. What this article arrans Oppure of the Periphins it is much probably Socots Orrest and Socret ove unasily allied.

M. Toulism I cannot fay; but it is sentioned in the Re- on the Paper, and equivalent to Sucat; that ciplus also, and is pullibly a corrupt reading there is a part of Gozerat, near Din, stilled as both.

Marallo, producing [pearl] owflers; with Kaber, that affords the alabandenon". For Kaber and its produce, I have no interpretation. Marallo I fliould have supposed to be Manar; but if it is upon the continent, it is Marawar. The five days " fail may be foftened, by supposing the departure from the last port visited in Malabar; but flanding as it does, it is erroneous.

VII. It is then mentioned that the king of Ceylon fells elephants by their height; and an observation, that in India elephants are trained for war, while in Africa they are taken only for their ivory. This is true on the eaftern coast; but the Ptolemies and Flannihal trained the African elephant for their armies. Another circumflance is noticed, which continues true to this day; which is, that the importation of horfes from Perlia pays no duty. Cefar Frederick mentions the fame on the coast of Canara, in his time; and Hyder Alli had his agents difperfed from the Indus to Arabia, to obtain a conflant fupply for his numerous cavalry. 'The horfe is faid not even to breed on the whole weltern fide of the peninfula; or if by accident a foal is dropped, it is worth nothing.

VIII. The last circumstance I shall notice is, a conference between* the king of Ceylon and Sopatrus, in prefence of a Perlian, who had boalted of the power of his lovereign : " Well ! Roman," fays the king, " what have you to fay?" " Look," replied Sopratur, " at

Culimae -

The real distance, when the island appromises first on the code of Communical Hilliams search to the continent, is flort of your like ; lays, all merces barbarica are fo milled, as alfo from Cape Comparin to Culumbo, about 1841 both too hars for any sit the angless one

Tomas renis is a liber, which from anintelligible; but be informed in it ments numeros of Randa. We are, however, at pretorys and trifics.

⁻ Constcritus - - 20 days Emothenes - 7

"the coins of Rome and Perlia; that of the Roman emperor is of " gold, well wrought, fplendid, and beautiful; while that of Perfia 44 is an ordinary filver drachma. The argument was conclusive; the Perlian was differed, and Sopatrus was placed upon an elephant and paraded through the city in triumph. Vaio as this circumflance may appear, two extraordinary particulars attend it; for the king's address to Sopatrus is, ROOM: ", the term used in India to express any inhabitant of those countries which once formed the Roman empire; and the fecond is, that the Perfians of that day actually had no gold " coin, while the coins of Byzantium were the purelt and finelt in the world.

But in addition to these various particulars, Compas has left also fome traces of natural history that do credit to his veracity; for he deferiles the coccasiont, with its properties; the pepper plant, the buffalo, the camelopard, the mufk animal, &c.; but the rhinoceros, he fays, he only faw at a distance. The hippopotamus he never faw, but obtained only fome of his teeth; and the unicorn he never faw,

" taper. If Column had not means to give the very word of the Ceylmele, he would have walten tome. In India the Tucks me called Roum), as postelling Constantinople, the fest of the Roman emperors.

"I connect help transcribing the puffige as: I found it by accident in Marcon's History of the Germana

Mountain quality argenteam Performs Resartiferra fen endere confincit. Ausmin vens neque inthe neque alle colpium Barlimorum Regi, quamvia auri demino, valta proprio liguare vol. ii. p. 98, from Procopius, lin me cape ggo they are all filver. See Colman alto, p. 148.

The member of the Persian com is the very elisimidated that took place upon this occa-Boy I and it Small from that as the Greek cuins of Burtess, for half been current when the merchant of the Periphis was at Barugara, the Ruman cour had now the proference, us the Imperial dollars, Venetion lequins, and Spanish piastress, liste had a Separatry in later times. For the purity of the Roman mint or Confrastinople, fee Clark - Con-

I have been the come of the feeond Periting dynafty in M. de Suny's account of them, and lient. Quippe sinfinedi moneta commercio il l'accollect rightly, they have the lie at all sel splorum barkerseum engladium. Maleon, the kinges but I do but remember whether

but as it was represented in brafs in the palace of the king of Abyffinia. I mention these circumstances to prove the fidelity of the
traveller; for truth is an confpicuous in what he did not, as in what
he did see. And after this extract, selected out of his voluminous
work, if nothing equally precise or satisfactory is to be collected out
of the Arabian writers, or Oriental accounts of any fort, let it not
be deemed prejudice or partiality, if we prefer Greek or Roman
authorities to all that can be found in any other ancient history
whatsever.

One part of the question has, however, cluded all my inquiries; which is, that I have not found the mention of cinnamon, as a native " of Ceylon, in any author whatfoever. Iambulus, Pliny, Dioscorides, Prolemy ", the author of the Periplus, and Cosmas, are all equally filent on this head, and all derive their cinnamon and casta either from Arabia or Mosyllon, or more especially from the Cinnamon Country, as they term it, on the eastern coast of Africa. That the ancients obtained the best and purest cinnamon, we know from their description of it; and that best fort grows no where but in Ceylon. That they might be deceived in regard to its origin, while they went only to Tyre, Sabča, or the coast of Africa, is natural; but that they should not recognize it in Ceylon, when some merchants went thinker in the age of the Periplus, and in all

by It is more more by Marthodi, and in the presence to Riberro's Hillmay of Gerion (Fr. ed.), that be rathe sorters streamen from Certon. I have not fined the pollings that at p. 6a. I feel the copie Chancemetters and Hay along joined make the faint parallel, which perhaps may have less to fact a hippolitical, and egant, p. 72 but in the latter pullage of have the produce of Paproduce.

from, tertails-field, and other swinks; and here I should have superfied to shall eliminate, if the author had noticed it as a surive of the filand.

The language of Prolony is precife; he tays size, hovey, ginger, the taryl, the ruby, guld, illers, and all other actube depoints and figure, are found in Topothers; that does not notation community. P. 170. Topothers.

speceeding ages down to the time of Sopatrus and Cosmas, is none-countable.

No voyagers, travellers, or writers, pretended to have viinted Ceylon perforally, except lambulus and Sopatrus. I know not how to excuse even Sopatrus, who was only once there casually; but against lambulus, who afferted that he had resided in Ceylon seven years, the charge of fiction is almost direct; no one could have been resident so long, without seeing cinnamon, the shaple of the island; and that if he had seen it, he should not have recorded it among the other particulars he detailed, is incredible; for the curiosity of Greece and Egypt was as much alive to this inquiry, as to any one that regarded the produce of the East.

Diokorides " and Galen knew it not. Dionyfius, who lived under Augustus, preserves the fable of Herodours, that birds brought it from uninhabited islands. I do not presend to have explored the whole range of antiquity on this subject; but the first montion of einnamon, as the produce of Ceylon, that has occurred to me, is in the Scholiait " of Dionysius on this very pallage. Whether that

See Marthall on Diofeorales, life is sign, ex, ex mid p 44 where the cafe (one simmons) is faid to come from Arabas, and the accions common, or lorig of the two, from Maryllan. Cofin is deferibed by Pheosphrafts 376 years prior to Diofeocides 1 and by Hardands, in fone degree. Strubo fairs, Arabas produces, alle, chammon, and north. P. 785. Marthall adds, p. 46, that Strobo likewife fays, chammon comes from the bombs are parts of Lutin; but I have not yet men with the pullage. Plus follows The physical acceptance of the conservation (process) that Galon gives of the conservation published of

Trainn, Adrian, Antonion, Commedue, and Secretaria is all witch accounts not a word in found arthreting its origin from Ceyinn: thois whis would carmine it, at now entireted in that illand, may coming Thunberg, solated

199 Opeda of tripolo descine des rises Illesso de Company de la company

circumftance will prove the early date of that knowledge, or the low date of the Scholiaft, much be left for others to determine. Sir William Jones has taken ample notice of this obscurity, and remarks upon the Cinnamon Country of the ancients in Africa, the limit of their geography to the fouth, that it does not produce a fingle fpecimen of this article in the prefent age, or in any former age, which can be afcertained. Baffard cinnamon is found in Malabar, and true cinnamon, though of an inferior quality, in Sumatra; perhaps also in other islands farther to the cast; but that the best growth has been conflamly in Ceylon, from all the evidence before us, is undeniable.

The fpice we now have, which is the kalia of the ancients, was certainly procured in Africa; and the teltimony of the Periplus in direct ", that it great there. I flate this with all its difficulties, which I cannot folve; but as there was a voyage conflantly performed, from Barugana to Africa, previous to the Greeks having any knowledge of fuch an intercourfe, the only pullible folution to be imagined is, that the merchants engaged in this commerce kept the feoret to themselves: they imported it at Barugaza from Ceylon, and exported it to Sabea, where it was first found by the traders from Egypt, by Solomon, and the Tyrians; and in a later age, to the ports of Africa, where they dealt immediately with the Greeks, without tuttering by the monopoly of the Sabcans. How fach a

"myser than in the fliands in the Erythreen Sex, which is general.

It is not illoworthy of remark, that their birds of the post around fluxches as his highly is englaterity with Herddotter; and their upprinting form the wife of the his Arabic from the goodstate Sec Dionyti Periog. line game

written for the color of the real of Rechain ways and the Commentary of Enfantition, p. 2571 ed. Os. 1697, where the Scholish is described, Puraphratia vecena Schnindas en codice MS. ming primition critical

> Peripling park. "It arrayments Karolin And again, pooms is sery known. And both erris appear procife; for the impacts from the Haff are (pecifica (spanuary)

fecret could be kept to long a time, or how the Greeks could be perfuaded that kafia grew in Africa, is, with fuch lights as we have, inferurable; but that it was not the produce of Africa, the general fuffrage of all modern voyagers and merchants is fufficient

to prove.

One circumilance worthy of remark is fall to be confidered; which is, that the merchant of the Periplus mentions kalia only, and never cinnamon. Cinnamon, as we have learnt from Galen, was a prefent for kings and emperors; but the kalia, the canna tiftula, or pipe cinnamon, which we now have, was the only article of merchandize in that age, us it full continues. And now that Ceylon is in the hands of the English, it would be no difficult matter to obtain the tender fpray of the four principal forts noticed by Thunberg, and compare them with the accounts of Theophraftus, Diofeorides, and Galen. As the species which we have answer to their kafin, it is highly probable that the fpray would unfeer to their cinnamon; for that both were from the fame plant, or from different species of the same, there can be little doubt, as Galen acquaints us, that in the composition of medicines a double " portion of kalia answered the same purpose as a single one of cinnamon; and that both entered into the theriac which he prepared for the emperor Severus.

Such is the account that has appeared necessary to be flated relative to the ancient fituation of this celebrated fland. The modern history of it may be obtained from Baldeus, Valentine, Knox, Ribeyro, Harris, Hugh Boyd ", Le Beck; Captains Malioney, Colin

m Marthioli, p. 47.

Mahimy's, Le Berk's, and M'Kennie's 1799 they are all valuable, and worth conNarratires, are in the Affatic Refourthes, fullingsol, et. p. 425, vol. v. p. 393, and vol. via

M'Kenlie, and Percival. And I cannot conclude my commentary on the Periplus without pleafure from the reflection, that the valuable commerce of this island is now in the possession of Britain; or without expressing a most anxious wish, that the country deemed a terrestrial Paradise by the Oriental writers-the repository of cinnamon, cloves, betel, camphor, gold, filver, pearls, rubies, and the other most precious commodities of the world-may find protection, happinels, and fecurity, under the British government. And may the expulsion of the Mahomedans, Portuguele, and Hollanders, be an admonition to us, that conquelt obtained by arms can alone be rendered permanent by equity, justice, and moderation!

Desired and appointed start out the emitted over the desired comme the first door, and program that the include of The product of District the next town to the feet of the point the print to wanted bullet word had said all his plant in the said when with a right will be an about the party of the receipt which is account and our resemble as the explainment with any our manager. service his man short a to thorough south all the motion of its harmals and have part all distiller nations of their females and their first that are not

ever and their relative terror being beat the Contract they have produced with the little of the product of the last of sell-Military of Army by Milanted Republished Volential, Know Mil-Report House Hope World T. Le Monte of Apparlace Manager, Collar

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PERIPLUS OF THE ERYTHREAN SEA.

THE first place that succeeds after leaving Kolkhi, is the Bay Argalus', connected with a diffrict inland [of the same name]. Here, and here only, all the pearls obtained in the fifthery at the island of Epiodorus' are [allowed to be] perforated (a) [and prepared for market]. Here also are to be purchased the fine muslins called Ebargeitides (6).

Proceeding

REMARES.

(a) This would be in the modern diffrict of Marawar, possibly the Marallo of Commun: Tutacorin, the place where the market is now kept, and the pearls taxed, is in Thivelli, west of Rami-ceram. The earliest modern accounts agree in Tutacorin, while the power was in the native government; the Portugueic, Dutch, and English, have continued it there. Both Provinces, in the age of the Periplus, were in the kingdom of Pandion; and the Bay of Argalus was nearer Madura, the capital, than Kothhi, or Sofikoore. This was a fufficient reason why the market should be eather on the cast, than the west fide of Rami-ceram.

(b) Salmafins reads 26dos proposition, mullims sprinkled with pearls. Hudson, & Pilot. Ex. 1173, which, notwithit anding the pearls bered at Argalus, feems highly

" Harringt directed in a firm adjusted Written in Puslemy. Simm Orgalicas,

Simes Agaricus. Siaus Arguicus.

Manage.

MOTEL Thymeres is the reading of Salmafius, which enght rather to be species. The text finals especial, for which, perhaps, survemight be fabilitated. But perimation is manifelly intended, he the realing what is

may-

Proceeding from hence, the most conspicuous of all the marts and anchorages on the coast are Kamara (r), Podooka, and Sôpatma. To these the traders from Limurike, and the other provinces north of Limurike, resort; and in these marts are found the native vessels which

KENARKS

dubious. If we were to examine a catalogue of mullins at an India fale, we thould find many names more firenge than Ebergeitides, derived either from the manufactures, or the place where procured.

(e) Where to fix any of thefe three places is mere conjecture; our course is flill call, according to the Peripide; but if Kamara be the Chaber's Emporium of Pinlemy, as Mercaur Empofes, his Podooks is fill higher up the coaff, and our course ought to be much-east; and if his Manarpha be Mallurpha, or Meliapoor, thus place is the St. Thome of Maitras; in which cafe Podooka must be fixed somewhere on the coult between the Cavery and Madras, but where, it is impuffible to determine. Sonstma Is not noticed by Ptolemy. Soro-patma would be the town of the Sore, with fome allufion to the Some of Prolemy and to Coromandel; but it is all conjusture; and yet, notwithstanding this obscurity, we have manifestly a trude here deferibed, regularly carried on by native traders, between Malabar and Coromandel, without the least notice of Greeks being concerned in it. We have an account that the specie brought by the Greeks to Canara, finally fettled on the other fide of the peninfular and as we know that in all ages the commerce of India cannot be carried on without specie, so we see here its regular progress to the cashward. We are informed allo, that the exports of Egypt to Canara, and the produce of Canara infalf, wome by the fame conveyance to Coromandel; and that the principal articles in return were the mollion, as they are at this day; the merchants from Guzerat und Congun purrook in this trade, and polithly those from Scindi. In the whole of this, without being this to specify particular places, we have a general picture of Indian commerces, to conformable to the accounts of the Araba, and of the Postugacie upon their 6.0 arrival on the court, that we want no further evidence to perhade us; that the committee of India was as vigorous unrecedent to history, as it is flated at the moment that Eikory commences. The different forts of miles configurated in their ports are likewise correspondent to modern accounts t the memoryla are that

MAD 2 2 3

* Barngles er Guzerat, Atlake in Concas.

which make coaffing voyages to Limurike—the monoxyla of the largest fort, called sangara, and others styled colandiophonta, which are vessels of great bulk, and adapted to the voyages made to the Ganges and the Golden Cherionese.

To

EEM ARRS

in use, not carries, as they are formerimes improperly cendered; but with their foundation formed of a fingle timber, hollowed, and then raifed with tiers of planking till they will contain 100 or 150 men. Ventile of this fort are employed in the intercourse between the two courts; out the kolandiophoma, built for the trade to Malacca, perhaps to China, were exceedingly large and flour, refembling probably thate deferibed by Marco Pole and Nicola di Conti. Barthema likewise mentiona veilals of this fort at Ternafari (Mafuliparim ?), that were of 1000 tons (doits ?) hurthen (lib. wi. c. 12. Gremens), deligned for this very ande to Malaces. This is the more remarkable, as d'Anville fixes the Mafolia of Prolemy at Mafalipatum, and Prolemy's point of departure for Khruse, or Malaces, at the Godavery, ewenty-fix leagues only to the north. From these circumflances there is great reason to conclude that he is right; for Barthema had come from the Straits of Manue to Pulsarhat, north of Madras, and then proceeded to Tarnafara, where he embarked for Bengal-Pegg, and Malacca. How extraordinary, then, is the correspondence of the Pamphia with the modern course of these marigutors, from the Strains of Manar to the Carnanc! and from the Carnitio, paffing the wild tribes of Oriffs (the favage) between the Godavery and the Ganges; and then proceeding to Malaces, or the Golden Cherionete le Still however, with all this accuracy, he is in the fame error with Prolemy, carrying the whole course suff till he reaches Défurène or Crista, and them giving it a coetherly direction to the Ganger.

The other vessels employed on the coast of Malabar, as Frappage and Kosumba, or in not necessary to defeather they have still in the Rathern Ocean germs, tenners, down, graha, grissum, promes, junks, champains, &c. names which have all been adopted by the Rusopeans, and which it is no more requisite to distinguish; dust to explain our own brigs, suows, schooners, sloops, or enters, to ste Hindson. But the matients about the Indian vessels is have tonked for in value neither Greeks or Arabs are mentioned; but as the manners and religion of the Hindson exclude not foreigners from their country, it may be prefuned that their feamen were always foreigners, possibly Malaya, or even Chinese; for that the Hindson themselves never node alled the fea, is almost indubitable. The whole voyage appears to have been made by

To these marts likewise are brought all the articles prepared' [in Egypt] for the market of Limurike; and almost all the specie, of which Egypt is continually drained by its trade with Limurike, finally centres in this coast, as well as all the produce of Limurike Tyfelf.

From the coast", as the course of the navigators tends to the east round the countries which fucceed, the island, now called Palaisimoondus, but formerly Taprobana, lies out in the open" fea to the west (d); the northern part of which is civilized, and frequented by veffcle

REMARKS

by coulding, and to it continued when we first meet with Arabs in these seas a which is the more remarkable, as the monfoon was known, and made use of between Africa mit limits ; and the fame monfood prevails to the east, as well as to the west of Cape Comorin.

I do not find the Tarmafari of Barthema in the modern maps: it might lie between Polenchat and Bengal. But the peculiarity is, that there is an illand Tanaferam on the coast of Siam, and the great river to called. Tana-feram is Regio Deliciarum. Vollins ad Melam, lib. iii. 7.

Mr. Marlilen mentions the veffels that come regularly from Telingana, between the Conference and Killing, to Achieve, at this day. This track answers fufficiently for the port affirmed by Proteiny, for the pullage to Khruse, and for the Tarnalisi of Barthems ; but does not determine the fituation ; it forms, however, to beineak the fame traffe. Mariden's finnestra, p. 314-

(d) The better knowledge of this passage which I have now obtained, obliges me to recall the argument which I had advanced on the meaning of Lies, in the differention on the production p. 17. I now understand that the illand lies to the real us you fail to the red from Crylon, -

Le de to Apique de

Sun. But grant is used repeatedly in the Pestalls for specie-

Haroning the coy of Coronamid, in con-

the ter Anguer to North mor in Limy - trait to the Blanche, or court of Malabar. In - a statementor. Hadion. But then it flouid Prolemy, Paralla Sore-tamen, and Sore is Core, Coro-mundel. Coro-mandalam or Pao-1 3, 1 ... Res proteres compis generis. Hud- lipo, the Millet Country. See d'Anville, Antiq. 137-

P Est with a good linearms.

velicle equipped with mafts (s) and fails. The island itself [is to large, that it] extends almost to the opposite coast of Azania [in Africa]. Here pearls, precious "stones, sine muslius, and tortoile-shell, are to be obtained.

[But returning now to the coaft, above Kamara, Podooka, and Sopatma, lies] Mafella, a diffrict which extends far inland. In this country a great quantity of the frueft muffins are manufactured". And from Mafalla the courfe lies eaftward, across a bay, to Dêfarênê, where the ivory is procured of that species " called Bôsarê.

Leaving

REMARKS

(e) Tomorrows. I conclude that this means, they were velicle adapted to diffaut voyages, east or well, in contradiction to the fangara and monoxyla, employed only on the couff; and the text of Strabo confirms this opinion : Taxyour ... Myon Il sin during whise species theory daths assorbine out only, Couldn't ple Insurence bear, correspondent Il dipoterisalis system purpo graphs. The weffels here meant are the monoxyta, built from the bottom without ribs, ill equipped with fails, and heavy failers. In these vessels it was twenty thise fall from the continent to Ceylon, but in others only feven ; both diffunces are in excels, but they are pulliated by Voffins, who supposes the distance to be measured from Covalam in Travancoor, to Pointe du Galle in Ceylon, as Pliny places the port of Ceylon on the fouth fide of the ifland. Pliny has likewife a referonce to Strabo, when he speaks of swenty days fail from the Prasii to Ceylon, in the paper-thips or Egypt, and fever in the Greek vedicle. Prafit is evidently a corrupt reading; and how far paper-thips, or thips composed of the bibles, flexild venture on these voyages, is dubious. That they were used on the Nile is true; Radicibus papyri incola pro ligno utumur. Ex ipio quidem papyro navigia contexunt. (Plin. lib. till- 2. fc v. 12. See Saimal. s rto.) It is likewife to be noticed, that Tearrent poses is a reading of Salmedius for exessurles, in the Bafil edition; but Volhus reads it to remer inserting, they perform it generally in cuenty days. This correction accords with Pliny, and approaches nearer to the reat, corrupted as it flunds; in fact, Salmafine takes bearrymphine from Strabo, and Voffins says home.

SOTES

Transparent. shinoceros, or karkandam, in the fame some

The Arabs of Renaudot mention the

Leaving Defarene the course is northerly, passing a variety of barbarous tribes; one of which is Byled Kirrhadæ, a favage race, with notes flattened to the face. Another tribe are the Bargoofi; and others (f), diffinguished by the projection of the face like that of the horse, or by its length " from the forehead to the chin; both which tribes are faid to be cannibals.

After patting thefe, the course turns again to the cast, and failing with the coast on the left, and the sea on the right, you arrive at the Ganges, and the extremity of the continent towards the east, called Khruse [or the Golden Cherionefe].

The Ganges is the largest river of India: it has an annual increate and decrease, like (g) the Nile; and there is a mart on it of the fame name, through which paffes a confiderable traffic, confifting of the Gangetic (b) spikenard, the Gangetic muslins, which are the finest manufacture of the fort, pearls, and betel.

In this province also there is said to be a gold mine, and a gold coin called Kaltis (i).

Immediately

REMARKS

(r) The felligial rains produce the (ame effect on both rivers,

(5) See the catalogue. Nacles the regular importation of this older, is from the Ganges or Bengal, whither it is to this day brought from Thiber.

(i) We have no second of a gold mine; but a gold coin called Kalteen, or Karteen, is ftill known in Bengel. Af. Ref. vol. v. p. 209.

⁽f) Whenever an author arrives at the Country of Montlers and Anthropophagi, I conclude he is at the end of his knowledge; anthropophagi, however, there are fill faid to be in the Ardanian Islands, and the fact is certainly proved in New Zealand; but the varieties of the human species, with horses heads, with rails, or with heads which grow beheath their flioulders, ftill remain to be difcovered. Of the Kirchade, or Dilimene, I have found mithing; but I place the latter in Oriffa. The ivery called Before may be the born of the rhimeeros, much covered in the Part, and the animal is finesimes called the polymer. Bos unicornis.

Immediately after leaving the Ganges, there is an illand in the ocean called Khruse (4) or the Golden "life, which lies directly under the riling fun, and at the extremity of the world towards the caff. This illand produces the finest tortoile-shell that is found throughout the whole of the Brythrean Sea.

But ftill beyond this, immediately noder the north (I), at a certain point " where the exterior for terminates", lies a city called Thins,

BENJAKES

(b) Khruse is mentioned as an iffind by Mela. Dionyfius, &c. as a Cherimust, by Ptolemy. It may be Ava, Pegu, or Slam, for they were all offentations of gold; but, placed as it is been, in it to the Ganges Tem does it embed in this fitnation, whom our author mentions previous to the Ganges; for Kirrhadze bears forme refembrance to the Flidrange or Kadrange of the Arabs, which feems to be Arracun; and if Artacan may be extended to comprehend the little difficient of Chitagang, it is configuous to the Ganges, or rather to the Megna. Ptolemy adds, that the hell betal is procurable in this province (fee Differention); and it is from hence that the Setate, or Befaltz, who are the Tartars of Laffs or Thibet, earry that article to the northern provinces of China.

(I) This through policy I have remissed therapy, but it is unincelligible without a comment. [Under the meth) implies the fame as is repeated afterwards, under the Lefer Bear. [Where the few terminates extended] intimates the existence of a circumsubsent occur, like the Marc Peocheofant of the Ambian geographers; to comprehend which, we must imagine the Golden Cherfonese the last argine east of the last world; but this there is an occur beyond it, surrounding the whole such, and that Thins lies inland, in a country that is a liked by this occur. This notion, entangled as it is by an attraceous finances, and nonfuled experition, still intimates, in amortisate with lifets and Phny, that Thins is the last country of the known world, and that there is nothing beyond it but the few. If the author had an idea of a sphere, this see would excent to Spain, which is Strabo's conception; if he thought the earth a first furface, this few here occur the forms that furrounds it.

VOTER

temy.

[&]quot;The Golden Continent and the Golden 19 the Said one come. Lots is an inferting Ideal over evidently difficulties, such Colden at didmafine's.

Province and Golden Chericogic are in Pro-

Thina", not on the coaft, but inland ; from which both the row material" and manufactured filk are brought by hand, through Bactria, to Barugaza, or elfo down the Ganges [to Bangal]; and thence by fen to Limutike, or the coult of Malabar (w).

To Thina itself the means of approach are very difficult; and from Thina fome few [merchants] come, but very tarely; for it lies [very far remote] under the confidention of the Leffer Bear (n); and is faid to join the confines of the Euxine Sea, the Calpian, and the Lake Media (a), which iffuer at the fame mouth with the Cafpian into the Northern " Ocean.

On the confines, however, of Thins, an annual fair or mart is established; for the Sesatz, who are a wild, uncivilized tribe, affentble there with their wives and children. They are deferibed as a race () of men, iquat and thick " fet, with their face broad, and their

- (m) See the Differention. All that went by land to Bactria, patfed down the Industo Governt a all that came through Thibet or Latin, paried slaws the Garges or. Brama Parra to Bengal.
 - (a) See the Differention.
 - (e) For this inequilitancy confule the Differention.
- (p) If there believe are the Believe of Ptolemy, which is generally allowed by the commentators from the attributes assigned to them by both, the Refalls of Prolems are placed north of Khrhhidia or Arracan, and correspond very wall with the Tarrara of Laffe, who might miturally be the carriers between China and Bengal. But why the becel-less thould be carried in this form from nervern to Chang in order to be milde

HOTER

Mr. . . . The Black Lattle Photo, and a rises Man the world. spiratur, the states spreagephores; ignoris home da this Marcine is more perfectioned than principle and opinion mygeners. Marcian Physics. Punkers, whom he affinity follows. to To free Histony p. 144

Theine, the capital of the Sine, it the E on- " The discount has paper " day between the known and unknown part of " Koscia.

their note greatly depretted. The articles they bring for grade are of great bulk, and enveloped in mats " or ticks, which in their outward appearance retemble the early leaves of the vine. Their place of affembly is between their own borders and those of Thing; and here spreading out their mats (on which they exhibit their goods for fale), they hold a feath of for fair of leveral days, and at the conclusion of it, return to their own country in the interior.

Upon their retreat, the Thing, who have continued on the watch, repair to the foot, and collect the mats which the ftrangers lete behind at their departure from these they pick out the hanlen. which is called PETROS, and drawing out the fibres, spread the leaves double, and make them up into balls, and then pais the fibres through them. Of thefe balls there are three forts-the large, the middle-fized, and the finall; in this form they take the name of Malabathrum; and under this denomination, the three forts of

made up with the Arelia aut, and then returned to India by the Chinese under the denumination of Malabathrum, is difficult to comprehend. The diffinition between the last and the not feems to be preferred in perror and malibathram; for that perror is the betel, or betre, cannot well be doubted, when it is described as retembling the young leaves of the vine of for the betel is a delicate species of the pepper-plant. and that plant is almost conflantly deferthed as fimilar to the vine. - The defeription. of the Selice Iraves little room to doubt that they are Tartars, and we have here, upon the whole, a deferintion of that mode of traffic which has always been adopted by the Chinele, and by which they to this hour tends with Rulin, Thibet, and Ava-See the Differration,

[&]quot; Adjectupe, periodice, majerage - Buf, always and with the Archa etc.

[&]quot;Tagricus, firmily mass made of These terms are applied by Pliny to the them. Spikerand Lib. zil. c. 16. The spikerand

[&]quot;The send, in the original offices, one was conditiond specifically as the half, how emilioner for which following reads and an erronautly, may be from in the candegues: I propole lyss-form, they deal or teaffic. Hence is become confounded with the facted

that masticatory are brought into India by those who prepare (q) them ".

All the regions beyond this [towards the north] are unexplored, either on account of the feverity of the winter, the continuance of the frost, or the difficulties of the country; perhaps also the will of the gods has fixed these limits to the curiolity of mats.

REMARK.

(q) Years arrayabate into. Those who manufacture them—who are these but the Sine? If I had found that the Chinese brought them by sa, so they did to Ceylon in the time of Colmas, my evidence for the performance of the voyage, either to or from China, would have been complete; but on this licinder ground I dare not affer it, nor do I think it probable, for the beset might come down the Ganges at well as link. The whole seems to be in interpediable confusion, wish particular, founded on truth, and a total that is inconsistent.

NOTE

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DISSERTATION I.

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ON THE SINE, THE SERES, AND THE TERMINATION OF ANCIENT GEOGRAPHY ON THE EAST.

Authors, and Seres the fame; Periphis, Erstafthenes, Mela, d'Ansville.—III. Relative Situation of the Seres, with reffect to Scythia, and India beyond the Ganges.—IV. Capital, Seras Metropolis.—V. Seres diffinguified as Manufatturers of Selb.—VI. Interemorfe between China, India, and Europe; Route from Ptolemy, Maes the Macedonian.—VII. Modern Route—Marco Polo, Rubruquis, Carpin, Grew.—VIII. Route of the Sefate from Arracan to China—Dionyfins Periogetes.—IX. Intercourfe by Sea—Mela, Rajah of Pliny, Cofract Indicapteagles.—X. Golden Cherfingle, Voyage from Coylon thitber, Caaft of Goramandel, Mafulipatam, Ganges, Arracan, Ava, Siam, Gateigara.—XI, Longitudes and Latitudes of Ptolemy, bowever in Except, fill the Camp of modern Differency; Navigation towards the West from Spain—Roger Bacon, Columbus, Map of Ptolemy; Eulogy of Ptolemy.

1. THINA, Sing, and Trimifige', so nearly resemble Chins and the Chinese, that upon the first view of these appellations, we are naturally led to conclude that they are the same. Series also,

Trims, and Triolers, and Trinities, we Chinafe, as Greek letters com; and of the the orthography of Cofana Indicapionites, country meant there can be no doubt; for he and approach as nearly to China and the mentions the fills brought by land from that

only country which originally produced it, is to pre-eminently and characteristically the same country, that if Prolemy had not aligned two different politions for the Sinz and the Seres, there would probably have been no dispute upon the question at the present bour.

But it is faid, the Chinese themselves know nothing of this name. This, however, is of little weight in the subject of our inquiry; for the same nation in Europe which we call Garmans, are styled Almains by the French, and Teutich, or Teudesch, by themselves. The Jesuits who were in China have, however, ondeavoured to find an approach to this found by Tan-djin, Han-djin, the people of Tan or Han, two of their early dynasties; and in Chen-si, one of the principal provinces: but upon these similarities there is little dependance; for it is generally allowed, that the principal native appellation is Tehou-kone, the Central Kingdom; and every nation in the world, from vanity, from relation to all the regions around, or from ignorance, is entitled to the same distinction.

But let us field inquire, how this name was brought well-ward? Manifelly but by the north, or by land, for the name obtained by that conveyance was Kathay and Kital; but by fea it was first heard of—by the Macedonians, in the form of Thina; by Colins, in the form of Thina; by Colins, in the form of Trinifts; by the Arabs!, as Cheen, or rather Macheen,

country to Pivila, aged unles; but he faye, alle pallage by for 6 match langer. And then adds, voyage, it Tallament waters \$2 hadron. Be joind the Trimital there is no insignificate into tracing country. Menajancon, Nov. Cult Patrims, som. ii. p. 738. See jettin, No. 8.

"And benes Dotch in our own languign.

LI WILLIAM TE

Great

D'Anville, Adrig, de l'Indei p. 179.

Other names optur in Ifficundt Ides, the Jefully 'Accounts, &c. kc.

Primi Arabes Seras cum Sinis confiderums quorum crumum pollex becut mine alia. Vofius ad Melans, like i. e. 2. note 202.

Great Cheen, or Cheena; and by Marco Polo, at Cin, that is Cheen in the mouth of an Italian. The Portuguele likewife, who came from the West, acquired the same found in their progress towards the East; and from them Cheena, or China, has descended to all the nations of Europe.

Cheen therefore, by all these several navigators, was obtained and they advanced towards the Fast and the first country that hears the resemblance of the sound is Cochin-china, called by the natives, and by the Chinese, Kao-tehii-chin; by the Jestita, Tehen-tehen; and by the Arabs, Cheen; the Sinia Sinarum of Al Edriffi. If then we reflect that all the kingdoms contained in the Great Chersonese, except Malacca, partake of Chinese manners, habits, polley, and government, it was a natural consequence that the Arabs, when they first reached China, the superior and sometimes the sovereign of them all, should receive the name of Ma-cheen, or Great China, in comparison with these inferior kingdoms.

It is impossible to prove that these appellations are as ancient as the era of Alexander, because history is filent; but the acquisition of the same found by all the nations which advanced by sea from the West towards the Hall, from the time of Alexander to the date of the Portuguese discoveries, is a strong prefumption in its favour.

The first mention of Thina by the Greeks, is in the Treatife of Ariffette de Mundo (if that work he his); but the full notice of it is by Eratosthenes, and as Eratosthenes lived under the fecond

Moreo Poli fays, Margi is saled Chin in Zipunga, or Japan. This may be at error, for Moreo never was in Japan; but it is a proof that Margi was called Chin in his age.

Lib. iii. 50.4

The Malays are supposed to be originally Chinese by Barmis, but their language is abplishedical.

Asitotle died A. C. 221; Erstoftbenes

Prolemy, his mention of Thina is early enough to suppose, that the Greeks had no knowledge of so distant a region before Alexander, and know it then only in confequence of his expedition.

Though the Macedonians proceeded no farther east than the Indus, they certainly acquired a knowledge of the Ganges and Ceylon: this we learn from history; and if their inquiries went farther, they had Persians, Indians, and Arabians, in their army, from whose report they might gratify their curiosity. If Aristotle, therefore, had heard of Thina, this must be the source of his knowledge; or if the Treatife imputed to him be not his, the knowledge of Eratosthenes must have been acquired, either from the same source, or from those who sailed on board the sleets from Egypt, and met the Arabian, Indian, or Persian merchants in the ports of Sabéa.

Let us suppose, then, that the whole of this was report, and let us conjecture from analogy by what we know, in a later age, to be fact. It would amount to this—that there was a trade between Arabia and India, carried on every year; that the merchants from Arabia met others on the western coast of India, who came from the eastern coast; that these on the eastern coast traded to a country still further east, called the Golden Cherionese; and that from the Golden Cherionese there was another voyage still to the east, which terminated at Thina; and that beyond Thina there was no proceeding farther, for it was bounded by the ocean which had never been explored.

A report, coming through no lefs than five intermediate channels, like this, would doubtlefs be loaded with much error, fable, and

. In this, Mcle, Pliny, Dionyfius, Colimas, and the Periphas, are all agreed,

inconfiftency; but that by fome method or other it did come, is underliable; for the map of liratofilienes is recorded by Strabo. It actually contained Thina at the extremity of the world caft, bounded by the ocean; it was placed in the parallel of Rhodes, in lat 36' north; and what is most extraordinary of all is, that this parallel patter through the prefent empire of China, within the great wall. I shall not boild more on this than it will bear, but a reference to M. Golfellin's Map, delineated on this principle, will prove the fact; and this fact cannot be founded on imagination, or arise from fortuitous coincidence; there must have been some information on which it stands; and the wonder is, not that it should be attended with many difficulties and inconfidencies, but that, after passing through so many hands, it should retain so much truth.

IL SINZE OF PTOLEMY IN SIAM, SINZE OF OTHER AUTHORS, AND SERES THE SAME, PERIPLOS, ERATOSTHENES, MELA, D'ANVILLE.

With the Thins of Eratoffbenes, however, is not to be confirmed with the Thins of Sing of Prolemy; for thefe, whether we place them, with d'Anville, in Cochinschina, or with Vollins and Goffellin, in Siam, are in a very different latitude and position. Their country does not face " to the east, but to the west; and their latitude is not 36 north, but 2' 20' fouth !!. But the Thins of Eratoffbenes and Strabo, is the Thins and Sing of the Periplus, of which we have a certain proof; lacente the author fays, that filk

⁻ Is Annille, by placing them in Cochies to smintals), as well as Cochemic chies, makes them from the sale, but in "This is very well argued by Gostellin this he oppoles Mercator (who had no fyllom George des Green, p. 74).

is the produce of their country. This country, therefore, is the Series of Prolemy a and in this fenfe, the Sinse and the Seres are the fame, that is, they are both Chinele.-We must now advert to the gross error of the Periplus, which places Thinz, the capital of the Sing, under the confediation " of the Leffer Bear; that is, in the age we refer it to, within twelve degrees of the Pole; a climate which, to far from producing the filk-worm, must be uninhabitable by man. How this error arole, must be explicable only by conjecture; but it appears to originate from one of two causes, which are perfectly different and diffinct: for, first, we find the ancient geographers very observant " of the disappearance of the Polar Star, as we advance to the fourth, and equally attentive to its re-appearance as we coproach again to the north; it might happen, therefore, that the navigators who went to China, might have observed the loss of the Polar Star in the Straits of Malacca, and the recovery of it as they approached the coast of Chinas, and this observation, conveyed through a multiplicity of reporters, may have caused the confusion between a latitude which lay under the Leffer Bear, and a latitude where the Polar Star became vifible.

But it this cause thousand be thought too frientific to have given gife to fo gross an error, there is a record, much more probable and natural; which is, that if we suppose a delineation of the habitable world, formed upon the principle of that which I obtained from

Com in polices the approach of this famou, makes the diffance in degrees. tiar to the Tale. Plainty tays, in his time of man all degrees from the Pole : Charge Agent THE PERSON NAMED IN PARTY OF THE PARTY OF TH And Goffellin, George the China, total ladge total in the time of Sic-

[&]quot; tim Pomp, Mala, his in as 7. to sligar parte spot [Innie] neutre aprentico apporent. See allo Miron Polog as he comes up from Coylor along the could of Malabar. I Do sil. e. 23. Rumulio.

Al Edriffi " in the former part of this work, or like the Horgian " Table in Sir Joseph Banks's policition, the degrees of longitude diminish to hallily as we approach towards the north, that they so not leave more to sliplay all the regions which such a geographer as our author, mult find it requifite to crowd into the space that he has to cover. This feems to be a natural fource of the error which we find in the Periplus; and this opinion is confirmed by what he immediately fubinium: "Thina lies," fays he, " at the Leffer Bear " itself; and it is faid to join the limits of Pontus ", which are to-" wards" the north, and the Calpian Sea, with which the Palus " Mobile is connected, and iffines into the ocean at the fame " mouth." Here, belides the error common to many of the ancients, that the Cafpian Sea was open to the Northern Ocean, we have a variety of other miftakes; added to which, China, Tartary, the Caspian, the Euxine, and Palus Mcotis, are all huddled together in fuch confusion, that nothing but the confluction of a map, on the principles here fupposed, could produce,

Whether these excuses will avail in favour of an author, whose errors I wish not to extenuate, but explain, mult be lest to the judgment of others: beyond Ceylon, all he knew was from report; and on report only procured, first by the Macadonians, and afterwards by Magaithenes, Daimachus, Dionysius, and the merchants of Egypt, all the knowledge of the ancients must be founded. But wherever may be the error of position, there can be no militate about the country intended. The filk fabric itself, and the mate-

[&]quot;The fame electrofteness occurrent Samme" — In that map, Pulmed is almost as over Map, in the Golde Alexander Francos — A lettle Chieve it is to Zogland to the N.F. of the Califolia Sam in process is me.

[Feet of A feet of A

rial " of which it is made, are both specifically applied, by the same of Series, to the country of the Sluse. This identifies them with the Sires and Thina of the Periplus; and that the Seres are the Chinele, is generally allowed by the geographers of the prefent

disyall

D'Anville had" certainly no pre-disposition in favour of this opinion; for in coming through Scythia towards the Screet, he puffer the country of the Eighurs from five to ten degrees well of China; and in that province he finds a tree which produces a fruit like the eccoun of the filk-worm. Here, perhaps, his own judgment would have induced him to passle; but he yields honefuly to conviction, and proceeding caftward into China, he fixes upon Kan-cheon, just within the boundary of the Great Wall, for the Sera metropolis of Ptolemy. But there was in reality no ground for hefitation, nor any cause of folicitude for fixing on Kan-cheon, rather than Pelsin, or any other great city, which might in that age have been the capital of the North; for the acquifition of general knowledge is all that can be expected in a question to obscure and remote; and the aftonishing approach to accuracy which we find in Prolemy, is one of the most curious geographical truths bequeathed to us by the ancients; for the latitude" of his Sera metropolis is within little more than a degree of the lititude of Pekin, and nearly coincident with that of Kan-cheon. Whether, therefore, we chufe one of their, or whether there was any other metropolis in that age, weare equally in the country of the Seres, and the Seres are Chinote. They are the first of men, fays Pliny", that are known on

Astin de l'Inde, Sapplements p. 233: Lill, ill. 4 17, av 20 Hind.

commencing

Pagin

[&]quot; man, 67 or very time and resident to Laponic. " Lestitude of Sera prottopolite 38" 36 ; of Public 39 45 -

commencing our inquiries from the Haft, and their country frontedto the cast. That there was nothing beyond them but the ocean, was the general opinion of the ancients; for, according to Strabo, " fupnofing" the world to be a fphere, there is nothing but the immentity of the Atlantic Ocean, which should hinder us from " failing from Spain to the Indies upon the fame parallel."

III. RELATIVE SITUATION OF THE SERES, WITH RESPECT TO SCYTHIA, AND INDIA BEYOND THE GANGES.

Ir the Seres, then, are the first nation of the known world" commencing from the east, let us next inquire into their lituation relative to the countries north and fouth. On this head, Mela and Pliny both agree that their boundary on the north " is Tabis, and Tanrus on the fouth; that all beyond them north is Scythia, and all beyond them fouth, is India east of the Ganges. By the latter expression they mean, that the whole country, from the Ganges to the Eastern Ocean, is called India, comprehending all the regions in the Great Peninfula ", which commences at the Ganges, and part alfo of the fouthern" provinces of China itself. What then are Tabis and Taurus, but two promontories advancing into the Eattern

The fig. In respect to the parallel, this would have been true between Spain and

"In an prince hominum ab ariente accepiamust, Indian, Stras, Septime. Specime merid'em Indl, leptentencem Seguir afque al California, Malia la di-

Serce primi homiown qui unfemtur. Plin. vi. 17- or 20 Hard.

torium Sures. P. Mela, iii. I-

By the term of the Great Permille, I mean all the countries militain to a line drawn from the mouth of the Merne, or Brahman putra, to China, as the our here limit, and the Straits of Sincapura as the louthern ; comprehimming Are. Accuma, Pegu, Siam, Maleys, Camboys, Cochas china, Lao, and Toolen.

The northern pare of famile state Come " Inter Takin et entremun Tami promon- gene, terminates with Tames. Studio, p. 68.

Occan,

Ocean, and marking the limits of the Ancient Screet Scythia, nocording to Pliny, commences at the iffine of the Claspian Sea into the Northern Ocean, and extends all round the continent, fronting north and north-east ", till it comes to Table, which divides it from the Scies; and what is meant by Taurus may be discovered in Strabo, who informs no, that Eratofthenes prolonged Taurus from the Bay of Issus in the Medianteneau, across the whole continent of Atia, dividing it by the time parallel " of latitude, till it theminated on the Faftern Ocean, that Is, the Sea of China. At the termination was Thina, on the fame parallel as Rhodes, which is 36 north; and this parallel, if we suppose it to be correct, would embrace all the northern part of China, between latitude" 36" and 40'; that is, if we fix the fouthern limit at the promontory of Taurus, in 36", and the northern at Tabis formewhere about 40". A reference to M. Goffellin's Map", delineated in conformity to the idea of Eratofthenes, will explain this better than words; and whether these promontories he real or imaginary, this is the hypothesis or fastem of the ancients. If Tabis has a representative, we might suppose it to be the termination of the Great Wall on the Yellow Sea, which divides China from Fartary; but the Wall does not end in a cape, and this must be left wholly to conjecture.

H Pllay, vi. 17. or 20 Hard, milioum ori-

Peripline at Kahal's by the mate of the Sefatel, or Befatal, in Liffle de Thillet; but Alexander, who came out of Sugdista to the India, exulfed it from north to fouth over the Paropamitus, perhaps at the Pats of Bamiant

Seres media fermo Eon parte inculant, India el Seytter altima. Mela, i. a.

- Geographie des Greek

The cause of this improfition is, that the surrelemms who cruffed this great belt of Alia, at whatever point it might be where their course should, mover emiled it back again towards the fourth, but proceeded through Turtary to China. By Prolemy's source, they puffed it in Haraming by the source of the

IV. CAPITAL, SERA METROPOLIS.

In regard to the capital, the Sera Metropolis of Ptolemy, though It is not indifferent where we place it, yet it may be thought hazardous to maintain that it is Pekin, Pekin, however, or the Northern Court, is one of the oldest cities in China: it is fittuated near the Wall, and well adapted to form a frontier town against an invalien of the Tartars, the only enemy which the empire has had to fear in every age. It is remarkable also that Ptolemy, in one place ", calls Sera the capital of the Sinz, which makes it correspond. with the Thina of the Periplus; and this to effectially, that if the great error of the author in carrying it to the Leffer Bear could be fet afide, Thina and Sera Metropolis would be identified. On account of that error, I do not infift upon this; but, upon the whole, the Séres of Ptolemy coincide with the Séres of Mela, Pliny, and Dionyfius; and his latitude of the capital advancing to nearly to the parallel of Pekin, is one of the most illustrious approximations that ancient geography affords.

Without affecting precision, we have now a polition for the Seres in the northern provinces of China; and this deduction, as it is founded on the information of the ancients, is not much contraverted by the moderns. But we have another characteristic of the Seres, derived from the produce of their country, which is filk:

proper State. Where the Latherest runs, Elique, Jundanes, like to carle 7 and through the Sine . ad Serves spon Stawes, off marriagalia. Whise is line only by drawes, popular, a side alor and they been therefore, be a fully reading, much of system of whore a suffither are monthally

And made one only. Line I c. 11. For edition of Floration 1605, which Lufe. The bo left to the critica; but for it mands in the not the fame in his Sinn in left of any fronth.

this beautiful fabric we know, from the Chimele themselves, was the original manufacture of their country—specifically their own, by the prerogative of invention; and though communicated to other countries in their neighbourhood, and from the first mention of it, procurable in the poins of the Golden Cherlonde, at the Ganges, and on the coasts of Commandal and Malabar, fill was it to exclusively and pre-eminently the attribute of China, that the Sing were, from this very circumstance, denominated Scres, or Silk-worms, by the Greeks. D'Anville was fully aware of all the authorities " that support this fact, and yet he objects, that they were flyied Scres before it was known that the material itself was the production of an infect.

V. SERES DESTINGUISHED AS MANUFACTURERS OF SILK.

The miliakes" of the ancients on this fubject; the fluctuation of the first reporters, who fometimes confounded it with cotton, and the opinion which long prevailed, that it was obtained from the bark or leaves of particular trees, have been fufficiently discussed by

" Mayor to whom pireton it is a fine the

Serve, animals that upon the fifth thread, or the name of the nation from whence the genaire fills conver. Colorina expectes a webwholly of fills, in contact to the missaure of fills with other consists in the manufactories of Tyre, Berning, &c.

Your embine the police in Lean. The

Shoot, the worse that produce the fills; for Serts is equivalent to worse.

See also Paulimian, Eline, il. Bala fees.

D'Anville less all thefe authorities. Autique l'Ender p. 233. And Vollan eires Pollan.
Service and Simplicius as all intermed of the worm; but certainly the whole process was not known till Judicium's time.

" L'hommque, apud reteres ans lini aux laper ant by ili Indian mentio in, intelligendone id elle de Serino. Volinis ad Moleon, lib. ilinian p.

The carding is from the leaves of a particular tree, and sting water to facilities the operation, occur is a variety of anchors; that is, the common was taken from the malherry-tree, and wound off in water.

rumerous

sumerous writers on the fubject a but that the Arabis had met with is in India before there were any Greek fleets in the Eaftern Ocean, can hardly be doubted, by those who read that the Macedonians obtained their first knowledge of it in the countries bordering on the Indus. Hither it must have been brought in that age, either by the trade which paffed between Patala and Malabar, or by the carawans through Scythia, on the north; for that in in early an age it was manufactured in India can hardly be admitted, when we observe that the author of the Periplus, four hundred years later, mentions it in Malabar, not as a native production or manufacture, but as an article brought thither from countries farther " to the cast. But in regard to China, his account is very different; for there, he fays, both the raw material" and the manufacture were obtained. The pre-eminence in this respect is still due to the same country; for notwithstanding that almost all the nations of the East, and many in Europe, now breed the infect and weave the fabric, China is fill the Country of Silk; the greatest quantity is ftill produced there, and of the bell quality; it is the general clothing of the nation, and its Imperabundance flill allows of a walt exportation to all the countries of the East, and to Europe itself.

In the course of this investigation, then, we have learns from ancient authorities, that the Seres are the Thing of Eratolihenesthe Sing of the Periplin; that their country lies between Tartary, on the north, and India extra Gangem, on the fouth; that it is the remorest region " towards the east; that it is bounded on its

the state of the street P. gr.

⁻ P- 117-# P. 26.

Men the god liefters in 194 to take adventy . + and missing hall an HEXAYA was a feet him out the world flow that punctions at the little inequal terral print six surjey havener Column; threat.

eaftern front by the ocean; that the ocean extends (in their opinion), without interruption, on the fame parallel to the road of Spain; and that filk was brought from this country, where it was originally found, to India, and out of India, by the Red Sea, Into Egypt, and from thence to Europe.

VI. INTERCOURSE BETWEEN CHINA, INDIA, AND EUROPE, ROUTE FROM PTOLEMY MAES, THE MACEDONIAN.

Bur if filk was brought from the Seres to India, there were but two means of conveyance-by land, or by fea. Both are specified in the Periplus; for the author informs us, first, that the raw material and the fabric itself were conveyed by land, through Bactria, to Batugaza or Guzerat, and by the Ganges to Limurike.-But, omitting this for the prefent, let us examine what is intended by the route that is deferibed through Bactria to Guzerat. A reference to the map will immediately thew us, that Balk, or Backria, lies almost directly north of the western fources of the Indus; and as we know that the caravans at this day pals out of India into Tartary at Cabul ir, to is it plain that this was the usual course of communication, from the earliest times; and that the filks of China then came the whole length of Tartary, from the Great Wall into Bactria"; that from

or three months journey a chief city of William Pinch in Parchus, vol. ii. p. 4140 ... tende in this territory is Yer court, whence come from China, the inte or entrance whereof is lame two or three morning from hence. When they come to this currence

"The whole pullage, as it flands in Purchus, by Bernie they fend fome ten or fifteen mesis curming .- Beyond Cabul to Paul Caun, a chants to do bulling, who being returned; city of Buildoctus (Budaktism). From Calmir they may fend as many more; but by an to Cathory, with the caravan, is figure two, means one the whole caravan enter at oner,

" And by snother carayan, to Palinothra. comes much fill muste, mid shubaris; all which: on the Gauges. Ked in he poor jed wit Some and leaven in the Land of the way of the sail be on think he that wanter. Prolem, like he cup. 17.

Bactria

Bactria they passed the mountains to the fources of the Indus, and then came down that river to Patala or Barbarike, and from hence to Guzerat.

Ptolemy " has given us the detail of this immense inland communication; for, beginning from the Bay of Islies in Cilicia, he informs us, from the account of Marinus, that the route croffed Melopotamia, from the Euphrates to the Tigris, at the height of Hierapolis; then through the Garamai " of Affyria, and Media, to Echarana and the Cafpian País; after this, through Parthia to Hecatompylos; from Hecatompyles to Hyrcania; then to Antioch in Margiana; and hence, through Aria, into Bactria. In this province, the line of Marinus falls in with that of the Periplies; and from this it paffes through the mountainous country of the Komedi "; then through the territory of the Sacre " to the Stone Tower ", and to the flation of those merchants who trade with the Seres; from this station the route proceeds to the Calif or Cathgar, and through the country of the Itagiri, or Eyghurs of d'Anville, till it reaches Sera Metropolis, the capital of China itself. The extent of this communication, which is in a right line upwards of four thousand miles, would have been protracted by the eltimate of Marinus" to double the space " to which it is reduced by Prolemy, and yet Prolemy makes it ninety degrees, or upwards of the thouland miles. But contracted as it is

³ Link 4 E 12.

[·] Anumini

[&]quot; I have little in Watirm in funpoline that the Comedi are to be placed to Bullakillan as mountains me the attribute of the country.

sife limits, suffice more nearly to the Difficus other paper or your miles; the real difficus than any other tribe. The Stone Tower is that of 1400. Pink like is use

would be in the sulters purt of their country, towards Eathgree

⁻ See Paul, tab. van Ans, lingtin.

or Phul lib. in call li

of According to Mariany, it was 24,000 " The Sacm, without affiguing them pre- dadin from the Stone Treate to Serat that it,

by modern geography, it is affinishing that any commodity, however precious, could bear the expence of such a land-carriage; or that there should have been found merchants in the Roman empire, who engaged in this commerce throughout its whole extent—who actually conveyed the produce of China by land to the Mediter-tanean, without the intervening agency of the nations which possessed the countries through which it passed. But this is a fact actually preserved by Prolemy; for he informs us from Marinus, that Maes, a Macedonian*, whose Roman name was Titianus, did not indeed perform the Journey himself, but that he sent his agents through the whole extent of this extraordinary peregrination.

In what state the Tartar nations then were, which could admit of such a traffic through all these different regions, it is now extremely difficult to determine; for though caravans have passed within these sew years between China and Russia, and though there was a communication, and perhaps still is, between that empire and Samar-land, as also with the Utbecks, this was carried on by the natives of the respective countries, and afforded no passage for merchants to pass throughout, from one extremity of Asia to the other.

VII. MODERN ROUTE-MARCO POLO, RUBRIT J.S., CARPIN, GOEZ.

THERE was a period indeed, during the time of Zingis and his immediate fuccessors, when the power of the Mongoux extended from the Sea of Amour to Poland and the Euxine; and when there was a regular intercourse, by established posts, throughout this vall

[&]quot;The course of tills from Smuld be Cally made Laner.

extent; by means of this, Marco Pole, his uncle, and his father, Rubruouis, Carpio, and others, acquaily reached the court of Cambalu, and returned again by paliports from the emperor. It was Marco Polo, the first of modern travellers who brought to Europe any confishent account of this wall empire-who entered China By the north, and returned by fee to Bengal. His route outwards is not eafy to trace, because his descriptions diverge both to the right and to the left; but it is highly probable that he entered China nearly by the fame route as Goez did, from Kathgar this would have brought him to Sochieu, or tome other town in the neighbourhood, to reach which he might not have passed the Great Wall. But if this would assessed for his not mentioning it in the first inflance, it does not folce the difficulty; for the court of Cobiai, like that of Kien-long the late emperor, was a Tartar court, frequently kept in Tartary as well as China; and during the many years which he attended Coblai, he must have been in both. He did not bring . the name of China to Encope, but Cathai and Mangi only, because he obtained those appellations alone which were in use among the Tartars; and it was feveral centuries later, before it was known that Cathal and China were the fame. We are contending here only for the exillence of the communication, and endeavouring to they, that in the middle ages it was the fame, or limitar to that of the ancients. But from the time when the empire of the Tartara broke into fromrate governments, no travellers or merchants from Furone dared to attempt the dangers and exactions which mult have attended themat every Rep, and when the progress of Mahomedian, in these northern courts, brought on an additional furpicion and boildity against every Christian who should have entered their country.

The only attempt in later times, that I am acquainted with, is that of Benedict Goez", a Portugueze Jefuit, who left Agra in the heginning of 1603, and proceeded by Lahore to Cabul; and from Cabul, by way of Balk and Bulakilian, to Calligar. At Gilligar, the caravans from India met those which came from Chinag but so difficult was it to proceed, that though Goez obtained the protection of the king of Cashgar, he thid not reach Sochieu, the first city within the wall of China, till the end of the year 1605; and at Sochieu. he closed his life and his travels, in March 1607, without having obtained permission to go up to Pekin, or join his brethren who were established in that capital.

The undertaking of Goez is one of the most meritorious, and his account one of the most interesting, that is extant; for it is a regular journal kept of his progress, specifying every country, and every place, through which he paffed ". The enumeration of the days he travelled is three " hundred and ninety, belides fome that we cannot afcertain, and exclusive of the delays he met with at various flations. But from him we learn, that Sochieu was the same fort of mart for the caravana of Cashgar, as Kinchta is for the Russians; that it was inhabited half by Chinese and half by Mahomedans; that the merchants of Cashgar were admitted into China, and suffered to go up to Pekin only under the colour of an embalfy "; that they brought

prefents,

" In all which I believe it is unique.

" As ettimated by Bergeron, tom it Trails Kircher, but it is have from Purchas, vol. iv. der Turtarus, p. 75. I cannot make them for

[&]quot; The account of Goer is in Triggalt and

The city marked on Marco Polo's Map, . where he entered China, in Smering, which, with the Italian promountain, approaches very true to Society

[&]quot; The fame first of trade be mentions likewife from Corbin-china, Sinn, Lenchirus Cores, and eight tribes of the Tarana: they all come under pretonce of an embady, and all the prefents they bring are styled Tributes the

presents, which the Chinese called Tribute, every fixth year; that from the time they past the frontier, the emperor bore the charge of the embaffy; and that the articles of commerce brought from Caffigar, were beautiful flabs of jasper, or variegated marble, and fomething that appears to be the agate, which we know, from Lord Macartney's account, the Chinese value so highly at the present day. Throughout the whole, the courage, perfeverance, address, and patience of Goez, place him in the highest rank of travellers; he was deferted by all his companions but an Armenian boy, of the name of Mane ; and Hane was fo fortunate as to reach Pekin, from whence he was fent to Macao, where he obtained a paffage to the Portuguefe fettlements in Malabar. Here he gave the account of his mafter's expedition and decease; and more particularly mentioned the furprize of Goez, in finding that Cathai was China, and Cambalu, Pekin.

Exclusive of the communication between Russia and China, which has been feveral" times interrupted and renewed. This journal of Goez is the only authentic information to be depended on a and it is of the greater importance, as it is a line much farther to the fouth than the route of the Ruffian caravans, and actually coincides with the detail given by Prolemy, and implied by other ancient geo-

they cater China. In this, there commits the policy - that if he hears the expense, he has a right to limit the time; and he affects to know of no controllies but from his tributaries. Ay in that age, 1450 ; and fills, though these ply this to Lard Macartney's custality, and it made in Perlia, formed the principal smale proves why the emballader was compelled to depart as a given day, and why his preferes belong had been introduced to the emperate. were inferibed with the same of Tribute, and referred to the miniften, &c. Sc.

emperce bears all their expenses to food to Jointe Haronco (in Rammio, tom. ii. f. rob.). which he received from a Tarter on the Don. who had paffed from Samarkand to China, which was the course of the northern curavans of the trade. This Turtur had been at Cam-

The fame chestuffances are represent by " See Librardi Idea Bell Cos's Ruffle.

graphers; for Badafcian, the Badafchan of Cherif Eddin, is the natural representative of Ptolomy's Cômedi ', and Kathgar, the country of his Cafii. Kathgar is likewife a kingdom of much importance, and a country of great extent; for Goea was employed from fixty to fixty-five days in passing it, and he had fill from forty to fixty before he reached Sochious.

VIII. ROUTE OF THE SESATA FROM ARRACAN TO CHINA.

The us next examine the ancient accounts, in regard to this and other routes of the time fort. The first author that specifies this intercourse by land is Mela": he says, the Seres are a nation colebrated for their justice, and have become known to us by their commerce; for they leave their merchandize in the detect", and then retire, till the merchants they deal with have left a price or barter for the amount, which, upon their departure, the Seres return and take. This aftertion is repeated again by Pliny, and confirmed by the Periplus"; for that the Sesate of that journal are the Tartar tribes which trade with China, cannot be doubted: the extravagances recorded of them, the

triliured to both. Timur had always a body of inductions is his error, for the purpose of patting frairs, elimbing mountains, &c. according to Cherif Eddin.

Lib. H. B. 7.

" Commencium ... rebus in following two

"Ammispur Marcellinus (lib. realit p. 981. Patis, (681) has recorded the laine observed for the Sarra, and the finne mode of conducting their commerce with fuseigners; that with the addition of a currous particular; that

fills had formuly been confined to the great and eigh, but in his time was within the purchase of the common people (none common administration of the circumstance process, not usly the great attraction of consistered at Conflusitions by which the manuful was obtained, but likewish the professionary of the manufacturers [perhaps at Tyre and Despite in perpanding it for the number. The whole pullage is morth confuling.

articles

articles! mentioned, throw a fhade of obscurity over this transaction; but that a fair " or mart is held for feveral days, and that the goods are less to the faith of those they deal with, is evident; and that this is a characteristic " of the Chinese trade, from the age of Mela to the establishment of Kinchta, is the uniform testimony of all that mention the commerce. Now that the Sesatz are a Tartar tribe cannot be questioned, when we find them described in the Periplus; for they are a race of men squat and thick for, flat nosed, and broad faced. They travel with their wives and families, and convey their merchandize enveloped in sacks or mats". These are manifestly the Bésadai, or Bésarai, of Proteiny, described under the same attri-

Status by the Periglias and though it is much more sutural than the Tartain flould obtain beset form the Chievre, than the conteary (and for Vallints renders it), yet that the Selatai and Beianai are the fann, cannot be doubted. The words of the Periphic are, Laguage which and office a second over the or the Of Pulemy, Kalenda, warren, and have, and the II det reduction with the Property Koffinding to a Cours opinion on an analyzon Marial. Now the Kierhadii of Prolemy see at the canera mouth of the Ganges, and there the betal might grow, or he procurable; and if the lidbels were fested on the neath of that country, they would be in Laffa as The bet, both of which my Turner countries, and might will be engaged in conducting this traffic between Chien and Bengal, or perhaps Arrama. But + interproblemity there may the firthin, it appears with no that Probany and the Periodic mean the faces people; and, by the flacinging of varieties, regical from the fring anthony. It englis blowlfe to be allformed, that Don't in wiley, or it now flamin in the Periphia, it a reading of Ventur for hade,

The miliburhous is attributed to the or hill, or formathing unitablights in the first status by the Periphase and though it is copy of the Periphase. Upon the whole, there was much more statural than the Tortion floods. Fore, if we interpret the Peripha by Prolemy, and conclude that the Select brought the tarry (and to Vollint renders it) a yet that the beta trum Bengal or Arrown, making them selected and Bengal are the family, cannot be the fame people in the Bengal, we have a confident account of the arrived making the northern positive of Chila, as it resulted the Correspondent Array of the family be the foothern by fam. That the best floods is reallouble to be the family of the foothern by fam. That the best floods is reallouble to be the foothern by fam. That the best floods is reallouble to be the foothern by fam. Some a second of the callern mouth of the Ganges, and there the Burman, Al. Reference, vol. v. p. 219.

" Volum could be the for the limit live

* Cortus religiores conditio ferror, comparata reportant. Plus of gas Expe-

"Re represent, in Orpeins musto made of ruffies, huge, or factor. So the deficient on Disorption, 757. On a Sing section of the ruffies of th

The Sures, who are the fellers, make the full proposal, by marking the price on white forms and the imper, according to the sure has force in price to extent.

butes, and almost in the same words, with the addition, that they are of a white complexion "; and that the malahathron, or betel, is brought by them from the country of the Kirrhadæ, at the eastern mouth of the Ganges.

Here, therefore, we may differer another line of intercourie between India and China, which passed the mountains of Thibet and joined the route which came from Cabul and Balk, or reached the fouthern provinces of that great empire by a shorter course; and this, perhaps, may explain a dubious passage of the Periplus already noticed, and may bullrack us how the filk of China came down the Gauges, or the Brama putra into Bengal, and from thence passed by sea to the coasts of Coromandel and Malabar.

The northern communication with China is infinated likewife by Dienylius, with, after leaving the Oxas, the Jaxartes, and the Calpian Sea, on his progreti caltward, mentions in order, the Sacz, Tocharol, the Phrocret, and then the Sères. If he had taken these regularly, the Tocharol would have been the Tartars of what is full called Tocharillan, the Sacz would be the Ufbecks, and Phrocret (possibly the Creek word \$\pi\sum_{\text{Sacz}}\), as an appellative, and not a project name) expresses the guard or garrison at the Stone Tower in the country of the Sacz, or the station in the territory of the Call, from whence the carayan proceeded to the Sères. I mention these circumstances not to much on account of the geography, for

[&]quot; Professor p. 1570

[&]quot;The four streets of them. Thillet and China is more all at a more called silling or Simplify, by Theres, page 2 and the bully. Rhistories is refrictly page 2 and the other quarte grit-flood, for Porcelina apage.

The trade between China and Ava is carried on at Jen. Symon's Embang, po 3-5.

[&]quot; Sie japus, p. 419

The Torkston of the Aribe

[&]quot; But Play writes Phart, " Sabel gliq.

we are dealing with a poer, as for the purpose of introducing his beautiful defeription of the filks woven by the Sères :

τουν δέος μέν αναίστου, από έξου μέλου, Λιόλμ εξείνετες έμθρες ανδια γάνες, Ειματα τευχυσώ πελοδαίδαλο, τημέστης, Ειδόμενα χροή λαμουνίδος ανθούν πουμ Είνεις και που έργου αμαγικών ερίστων.

Nor flocks, one bends, the diffant Shree tend a But from the slow're that its the slef or bloom, Torchar's with every sarying line, they call. The gloffy down, and card it for the tours. Hence is their many-coloured texture wrought. Precious, and bright in radiance, that transcends. The mingled beauties of the course? I mend. A web to perfect, delicate, and fine, Acadime and Acadime's progeny. Might emulate in vain ".

Wired Supposed the Bares to can't their

Volteraque et fulio depesium remia Seres.
Stratio, who does nonmember the Seres, till
morace Serios, or tilk. In two from francis
these. P. 597. Bythis, or a fine material
control from the birth of a particular tree.

Paradialist incent to correct them both, when he is not in plant it is in the lexing extent is Said to the lexing extent in Said to the lexing of the lexing

the third has able the Gers from their web, is not then up; their of halls, but is obtained in a different way a first hear in their concern a planning intact, whose the Great the rest is all to be found.

the Panfania, though he had been that it was a sound, had not large mount for imposed it to live not your, and that it for an green himles. The wickness of Toward Bervers or eight the meters, or eigenistic, imported long before the perfect autuary of the account of the material of a known. The true hatery and accompanied of a sound to complete, till the meaks statistical it for Juliana.

In horarem Drouge (cross) replicators well Series, pagarath and day. Hone taket no librar seriors have a far dimension [this lib xxii c 8. Hard.

We obtain a here, not only the light discreted files, but the narodaction of them is to refligious accommons, at only = the time of Plays. IX. INTERCOURSE BY SEA-MELA, RAJAH OF PHNY, COSMAS INDICOPLEUSTES.

I HAVE dwelt more particularly on the filk of China, because it is as effectially the diffinguished produce of that country, as the pepper of M lanar, the mullin of Guzerat, the myrrh and frankincente of Arabia, are characteriflics of thefe feveral countries; and I am very anxious to prove the communication with China by land, because it will presently appear that there was another line of intercourfe by fear If, therefore, the access both ways can be established, China alone, whether denominated Thina, Sinz, or Seres, must be the country intended; for no other can be approached by thefe two different ways; and thefe two, opened from the earliest accounts we have in hillory down to the prefent day, denote exclusively the appropriate character of that vait empire, as thefe circumftances can be applicable to no other. The ellablishment of this truth will afford a ready folition of the difficulty which arises from the polition of the Sinz in Ptolemy: they cannot be in Ghina; and if we accede to the opinion of M. Goffellin, that they are in Siam, we must conclude that Ptolemy, who gives to imperfect an account of the voyage to Cattigura, knew nothing of a farther intercourse by fea with the Seres, and that it was unknown in his age.

Mela, however, is faid to affert it, if we may believe the interpretation of Voffins; but in Mela nothing more appears, than that from Colis to Cudum the coast is straight. His Colis is the foothern point of India; and Cudum, according to Voffins, implies the Cudute of Prolemy, who are the nation nearest to the Scres. The accuracy of geography we are not concerned with here, but the affertion pand what is meant may be feen by confulring M. Golffellin's "Map of Eratorihenes. But this evidence is dubious and obseure, and conduces nothing to the proof of any voyage performed. Little more fatisfaction shall we receive from Pliny or the Periphis; for the father of the Rajah, who came upon the embally from Ceylon to Rome in the reign of Claudius, did not reach the Seres by fea, but pailed from India over the mountain Emôdus, the Himmalu of the Hindoos, and thence by an eastern route arrived at the country of Seres, with whom he traded under the same refleictions as the merchants from Persia and Europe, or the Sesate mentioned by the Periphus.

Cofmas, as far as I can discover, is the first author that fully afferts the intercourse by sea between India and China; for he mentions that the Trinistæ brought to Ceylon silk, aloes, cloves, and sandal-wood. The articles themselves are the specific exports of China still; and that the Trinistæ" are Chinese, can not be questioned; for he expressly mentions their country, not marely as exporting, but producing silk; and specifics the distance from it by land as much shorter, compared with the voyage by sea. This circumstance can accord with no other country, at the extremity of the east, but China; for no other country is so finated as to have this double communication, consequently his Trinistæ are Chinese; they have the same attributes as the Sares—they are the same people; first, by the means of approach; and, secondly, because

Veffin Appeles the Samuel to have the orthography of Transition to referrally triled in Caylon; and a temple bound in Chings, that it products all doubt. See Al. Caylon by Capt. Calin M. Kenner, referralles. Referralles, vol. vi. p. 438.

they are furrounded by the ocean on the east, and because that beyond them there is no navigation" or habitation. This is the one point, above all others, which I have laboured to establish by this disquintion; and though I obtain not my proof till the fixth century", the evidence is consistent in all its parts, and complete. The inference is justifiable, that the same intercourse existed by feat, as well as by land, in ages much earlier, though the account had not reached Enrope, and though the proof is defective. It is in vain that I have fearched for any intelligence of this fort previous to Prolemy, though I was very desirous to find it, and prepelleded in favour of its existence.

Two pallages in the Periplis had almost induced me to prefe the author into the fervice, and compel him to bear testimony-to the fact. The first is, where he mentions the distinuity of going to, or coming from China; the second, where he notices that the mali-hashrum is brought from Thina by those who prepare it. But, upon a sempulous review of their passages, I am persuaded that he considers only the communication by means of the Indus or the Ganges; and that though he allows an exterior fer on the east of China, the last place that a voyage by sea extended to, in his idea, was the Golden Chersonese. Had I formed a system, the want of such an evidence would have been a vexatious disappointment; and the more so, as my first contemplation of his language had persuaded me that I could apply it to this proof.

The date of Comm's work is \$47, act.

Indian Column v. 138. Manttapens, Nov. cording to Montineous, Perfect cap. is
Cal. Parents, tour is

X. GOLDEN CHIRSONESE, VOYAGE FROM CEYLON THITHER, COAST OF COROMANDEL, MASULIPATAM, GANGES, ARRA-CAN, AVA, SIAM, CATTIGARA.

The next point to be confidered is, how it should happen that Prolemy should be unacquainted with the intercourse between the Golden Cherionese and China; that his information should terminate with the Since and Cattigura, which, to all appearance, are on the western coust of Siant. But he acquaints us candidly timesis, that though Marinus " had heard of the journey performed by the agents of Maes through Seythia to the Sères, he had no account of any one who had made the voyage by sea from the Golden Cherionese to Cattigura; all that he knew therefore, even of Cattigura, was from report; and much less could be know of all that was beyond it, that is, of all that was to the east of the Straits of Malacea.

The fast view of his map would naturally togued the idea which M. d'Anville has embraced: it looks like the termination of the peninsula of Malacca, and rifes up again northward to his Sinus Magnus, as if we were entering the hay of Sinus!, the fea of Cochin-china, and China. But when we observe his Sinus placed on the same parallel with Malacca, and his Cattigura earried down eight degrees? to the fourh, we see at once that both must be placed on a coast that has no existence, except in that wall lampionity

This is one of the decembered that they are not will the paternan of M. Gottelling affected in This and Catagora; but the decimery of information requires prest affectation. Terimps it was not manufactured for Catagora at Margin.

continent

to the first of Know Alliens for a first object to the constant of Alliens of

omm exfects, or fid formely extend, are factor periodile; and the next tay, starpating the Strains of Sincapara, is therefore, called the Bay of Sinca-

from Africa, in longitude 80°, to Cattigura, in 180°.

It is this circumilance which compels us, notwithflanding the appearance of his map, to coincide with the opinion of Voffrus and M. Goffelin, that in reality he does not pais the Straits of Malacca and Sincapura; but that the account, which he had from report, carried him no farther than the weltern coaft of Siam. On this head it has been already noticed, that Mercator, who had no fyftem to maintain, makes the coaft of the Sinze front to the well, and this the latitudes and account of Ptolemy require; but if we place the Sinze, with d'Auville, in Cochin-china, the face of the coaft is reverfed—in fronts to the east, or fourth-east, and makes Ptolemy in contraction with himself.

Let us than improfe, either that the perional knowledge of the Greeks ended with Ceylon, and that all beyond was obtained by inquiry of the natives, and the merchants who came from the Eaft; or elfe, let us allume that fome few Greeks had penetrated farther. In either case, we may discover that the information was defective, both from the language of the geographers, and the construction of their maps; fill we can follow their authority with a fufficient degree of confidency, till we arrive at the Golden Cherionefe; beyand that, though the reports continued of the Seres and other diffant regions, the fabulous prevailed over the reality. It is not faying too much, if we conclude all the ancients under deception in this respect, without exception-it is not attributing too much to Murio Pole, when we fay, that he was the first European who patfed by he from China to India, and thence to Europe; or at least, the first whose writings testify that his account of this voyage, and

and this empire, is not founded on report, but purforal knowledge and experience.

Is it meant then to affert, that the voyage was never performed previous to his time? Certainly not. He lived in the thirteenth century; and almost four centuries before that period, we know that the Arabs traded regularly from Siraf, in the gulph of Perlia to China; and that the Chinese came to Malabar, perhaps to Perlia and Arabia. But this Arabian account, though we have it now, reached not Europe previous to Marco Polo; and if this was true four hundred years before his time, though we were still ignorant of it in Europe, it is just, by anology, to conclude, that the same voyage was performed as many ages antecedent to the Arabian account, as that is previous to Marco Polo. Cosmas "afferts it in the fixth century; and the whole contributes to establish the general admission of the fact by inference, though the proof is defective.

The first error in this respect commences at Ceylon, the magnitude of which is irreconcileable with its actual extent; but as Mela afferts, that no one had ever circumnavigated" it, it is natural to

To The Thirty wis privated Calabara, he belongs to be been group of a Common way angels marked mark discount for

Twinifts, which produces fills, beyond which there is no country, for the occasi contries it on the said. This affertion proves, first, the fills organize of China; secondly, that China is the fame as the Sfree of Mela and Pliny [priori hominum qui nofenotor]; and thirdly, that Tapaills a tast the Tains of Pholony; for his Thins is encircled by the arms on the man. And again.

Tampolis ... det als blimfas kips II mit Tinkrim Nyron pienties kimis engestidios, Tijodico estore tam yolgendes

"Taprobans, or Scheding, remises from

the countries farther call, particularly from the Chivele, filk, thread, along, cloves, farther dal-wood, and whatforer elle is the produce of the country." We form by this, that the cloves of the Molaccas reached Ceylon through the maximum of China; from whence it follows, that the Chinase traded with the Molaccas in that age on the one hand, and with Ceylon on the other. Colone,

Montfaucina P. 337:

This account is in harmony with the account of the modern trade of the Chinese, by Martinia P. 430. & feq.

Nec quiquen circumnesse tradical.

amplify all that is unknown; and the magnificent terms in which this ifland is always spoken of in India, might naturally contribute to the deception. Its distance also from the continent is another error, which Vossus attempts to reconcile by supposing that the measure is taken from Coulam, or Covalam, to Point du Galle, because Pliny says, the harbour is on the southern side. Pliny sike-wile, as well as Mela, supposes the circumpavigation unattempted; and describes the passage through the straits of Manar with incorrectness indeed, but not with less difficulty than Barthema passed them, almost listeen hundred years later, when they still continued the usual "passage for travellers and merchants.

But from Ceylon, notwithstanding the mistake relative to the position of the coast, we can proceed with Prolemy (who had obtained the native appellations of the country as wonderfully here as every where else), without hesitation to the Ganges; for we find

Paralia Sore-tanum = the Goall of Core-mandel.

Nigama" - - = Negapatam? D'Anville.

Chaberis River - = the Cavery in Tanjour.

Areati Regia - Arcot.

Maliarpha - - Meliapcor, St. Thome, near Madras.

Mefolia" - - Mafulipatam.

In the diffrict diffinguished by this name we are to fix the point or cape, where these who lest the coast took their departure to cross the bay of Bangal, and make their passage to the Golden Cherionese. This point, which has no name in Protemy, M. d'Anville has, with

SOLIII.

for Twenty days in the thips of the country, form in the welfale from Egypta; Thut differences are in excess; for, from Cayalian to Valut du Gulle is letter more than one miss.

Barthema, lila vi. C. 2.

[&]quot;The position of Negapatans milwest; but whether it is assent, may be quellioured.

[&]quot; Written Mafaila in the Puripida

great propriety, fixed at Gordaware, a cape near the mouth of the Godavery, and from which it feems to take its name.

The whole of this course, from Ceylon to Mesolia, is in correfoondence with the Peripius, and apparently with the account of the Arabs in Renaudot. In all three, there is no appearance of a direct passage by the monsoon from Ceylon to the Golden Cherfonele; and if Prolemy's traders palled from the Godavery at once to the opposite shore, it is the boldest " adventure of the whole.

Concerning the Ganges there is no difference; but the Kirthada. of the Periplus are west of the Ganges, and those of Prolomy to the eastward. In this there can be little doubt that Ptolemy is the more correct; and unless a name deceives me, I find in his Kirrhadæ the Kadrange of the Arabs, and the Arracan of the moderns,

We are now to enter upon the Great Peninfula, comprehending provinces d'llinguithed by the titles of Gold, Silver, Brufs, and the Golden Cherionefe, off which fles an iffland of Barley, with its capital called the Silver City. The mere affemblage of these names is fufficient to prove, that they are fictitious and imaginary; and received, as they must have been, by report, they must be attributed either to the vain glory or caprice of the reporters, and not to the invention of the Greeks. Yet even here, Prolemy preferves his privilege in recording forme names that cannot be millaken, and which afford us the means of afcertaining the country we are to enter on, however deficient we may be in purificulars.

" Scrupulous attention to the monforce is NAME AND ADDRESS OF THE OWNER, WHEN PERSON ASSESSED.

[&]quot;The Arthu first mounties the island of Najabulus, and then Returns, or Meliapone; necessary for arolling the bay of Bengal, at I if, therefore, Najabulus he the Missham, they Jesus from the Oriental Navigator, and likecroffed half the larger Bouget, and returned wife us the parallel on which it is to be to the coult of Consumitely DiAnville for puffed. poles Nicholar and Majerial my dealers.

How little of the detail of this coast can be depended on, may be feen by comparing a few of the names with the politions affigned them by d'Anville and Goffellin :

PTOLEMY.	D'ANVILLE.	GOSSELLIN.
Suda	Sedoa.	Rajoo
Bernbona.	Barahon	With the same of t
Temala:	Cape Negrain-	Barabon.
Berobe.	Mergul, Peninfula of Malacca.	Ava, and Daona. River of Ava.
Aurez Cherfonefus. Magnum Promonterium.	THE RESERVE TO SHARE THE PARTY OF THE PARTY	Pointe de Bragu.
Zaba.	Sincepura.	Bengo.
Magnus Status	Gulph of Siam.	Marrabant.
Sèrus Fluvius	Memm. River of Siam.	River of Pegu-
Sing	Cochin China.	Siam: Tanaferim-

Now, though I am convinced with Goffellin, that the Great Bay, the River Serus, and the Sings, are all west of the Straits of Malaces, and perforded that the Sinze are in Siam, it is not necessary to accede to his opinion, that Sing " Metropolis is new in respect to Prolemy, or that Ptolemy knew nothing of Java; for labadico. according to Greek pronunciation, is firstly Java-diu, the Island of Java. Ptolemy's polition of this illand is of no importance; for he has hardly one island correctly placed from Africa to Siam, and his ignorance of its extent is no more extraordinary than his augmentation of Ceylon. But the furprize is, that he should have obtained the name of Java; and whether we attribute this to the illand now called Java, or to Sumatra, which M. Polo calls Java Minor, the appellation itself may well excite our aftonishment. There is, how-

founded on the distinction between Sine und Sera Metropolis, If it were for we smill rufer

M. Coffella's opinion done not from again to Thine of Eratofflience, compared with the Thim or Sime Metropolis of Pro-

ever, only one point in Prolemy which can cause any doubt respecting the polition of the Sinz in Siam; which is, the mention of Ta-mala and Malai-oo Kolon; for however the first may be queltioned, the fecond to politively intimates the country of the Malaya or Malacca, that we cannot help attending to the connection. The placing of this likewife in the neighbourhood of the Pirates, which has been the character of the Malays in all ages, contributes to the fame topposition. I do not mention these circumflances for the purpose of invalidating M. Gossellin's fyshem, for upon the whole I accede to it; but fill the question is not cleared of all its difficulties; and it feems highly probable, that as Marinus had no evidence from any one who had performed the voyage either to the Golden Cherfonese or Cattigara, that Ptolemy had no information which was confident to direct him.

That the voyage itself was performed by native merchants may nevertheless be admitted, not only as it may be collected from the accounts of later ages, but as it is afferted by Colinas. Defirous as I have been to find an earlier tellimony of this, I have not increeded; for though the Periptus mentions the very large" veffels fitted out on the coaft of Coromandel, the limit of their progress was Khruse, and thort of Prolemy's Cattigara. The remainder of the course to China does not feem to have reached Europe, even by report ".

[&]quot; Kolundiophonts. See Capt. Wilford's Chronalogy of the Handors, At Reitstr 41 solves up any where he fays, this expension menne Collins bears ur pleps.

[&]quot; At Tarnellini, to Barthens writer, which is nearly to the Lame Stantion of the point from whence the flects failed, seconding to Prolemy (Grynzus, p. 227. lib. 34 to 12 7.

[&]quot; Kolandiophusta. See Capt. Wolond's His all taxins multiplexque mergantima when Categorie and income and other section became when modern, gue altione apur moine expelements alli program Liberante germann person habentitue, generaling males aldque treller off at all amounts were going attention mera compuerantio, main from aliz co mo-Moratic purpartie on their filters made more taken dolla

What then is the Golden Cherionefe? a question easy to resolve generally, but very difficult to apply in its refult to the different authors who have mentioned it. It is the most distant country east, according to Dionysius " and the Periplus : it is called an island by both; an island of the ocean, by the latter, and placed adjoining to the caftern mouth of the Ganges. According to Mela, it is an island at the promontory Tamos. If Tamos" be the Tamala of Prolemy, that cape must be either in Ava or Pegu, as we adopt the fyftem of d'Anville or Goffelfin; and if it must be an island", we might place it at the mouth of the Ava river, which paffes through Pegu to the fea, and forms many iflands at its different mouths. Here also Goffellin fixes his Golden Cherfonele, and the river Chryfoana; but Prolemy has two provinces-one of gold, and one of filver-before he arrives at the Cherlonele; and if his Kirrhadia be Arracan, these provinces must be on the western coast of Ava, above the Golden Cherfonese of his arrangement. All this mention of gold would furely direct us to fome conclusion, from the general nature of the country; and it does form very probable, that both

dolla. Imperent his reflicebrus carigiis cymtes, carrique structus in urbem Malacha somore defectadas, quiltus captum profició un tor cromera.

If Barthewa had few the Periplus, he could not have employed language more conformable to it; for we have here the light reflets, which aniwer to the import and moneyla; and others of a thorfined toos, corresponding with the kalandopladate of our author; we have the fame tends from Coromanded to Makees, and the cargo obtained there coulds of spices and like. P. 232.

** Lib. 589.

7 Tamos promonturium ell quod Taurus stollit. Mela, Ili 7-

If Thomas were the only difficulty here, we could frame a foliation of it; for Thomas is found in China and at the Indos, and this might be a chain branching from it in Assa, occurring to the idea of Med.

But that Tamos is Tamala, or femathing mar it, is evident; for it is added, ad Tamom infals off Chryst. Amei foll a not ex renumes, not ex vocabulo fichs fabula est. Ibid.

An illand, or a cheriopete, are the faunt in Arabic, and foun Araba the Greeks polibily had their intelligence.

the wealth and oftentatious display of it in Ava, Pegu, and Siam, may well have given rife to the report which attributed to large a fliare of the precious metals to this great peninfuls. The glory of Pegu and Siam has funk under the alcendant of Ava; bur in all these courts, the exhibition of gold in their temples, public buildings, gallies, habits, and decorations of every kind was, while they existed, the fummit of Oriental pomp, as it continues in Ava " to the prefent time; and if we should chuse to carry the Silver Metropolis of labadino." to Sumatra, the splendour of Acheen, in its better days, would bear its proportion to the gold of Ava.

In this view it is natural to accede to the polition of the Golden Cherfonese by Gossellin; and if this be granted, his Since and Cattigara in Siam follow of course. Some difficulties in the way of this conclusion have been already noticed, and a greater is, that Prolemy should be ignorant of the voyage to the Seres; but doubtlels he went as far as he was authorized by the information he had obtained. I feel a regret in acknowledging this, because I should rather have received the confirmation of this great geographer on the fubject, than build it on inference or analogy. The evidence of Colmas is all that remains, to prove that there was a communication by fea between India and China; and this is the point material to infift on, because the intercourse through Tartary, on the north, is indisputable; and if both these means of approach be established, the country of the Seres must be China; for these circumstances cannot. be appropriate to any other country at the extremity of the Eaft.

2002

philographic deposit of the control of the said Sales dire.

applied to a weight wifite group, Batt diby,

[&]quot;There are more" Lambally to A in, par 196. which it know the in the mouth of a Colon Co. flatenesting between the two letters like belon-AND WELL T

XI. LONGITUDES AND LATIFUDES OF PTOLEMY, HOWEVER IN EXCESS, STILL THE CAUSE OF MODERN DISCOVERY, NAVI-GATION TOWARDS THE WEST FROM SPAIN-ROGER BACON, COLUMBUS, MAP OF PTOLEMY; EULOGY OF PTOLEMY.

In the whole of the attempt in which I have been engaged, from the voyage of Nearchus to the close of the prefent work, it has been my endeavour to trace the progress of discovery, as carried on by the Greeks and Romans, from the time of Alexander to the reign of Justinian "; and the only object of confideration remaining is, the extent of their knowledge in Longitude and Latitude. The excess of longitude in Prolemy is the subject of univerfal complaint; but this excels arifes, in the first instance, from his assumption of five hundred fladia for a degree of a great circle; and fecondly, from the vague method of calculating diffances, by the estimate of mavellers and merchants, and the number of days employed in their journies by land, or voyages by fea. Respecting this last source of error, Ptolemy was upon his guard; for he repeatedly corrects the excels refulting from the calculation of days by Marinus, and reduces it fometimes a third, and fometimes an half, or even more. After all, however, we have an hundred and eighty degrees from the Fortunate Islands to Cattigara, upon a space that in reality occupies less than an hundred and twenty. So that the ancients, instead of knowing one-half of the globe which we inhablt, in fact knew only one third; flill they knew that the earth was a globe; and one cause of their error, among others, perhaps was, that they had a defire to cover as much of it as they could.

[&]quot; The date of Colman, when \$47, is the wift of Julinian-

The error in latitude ", on the contrary, was so small, that in a view of this kind it is not worth regarding; for if we take it from the parallel through Thule to the parallel through the Cinnamon Country, at eighty degrees, the difference from the truth is not more than fix or seven degrees upon the whole, and with this we have little concern.

But upon the excess of longitude depended, ultimately perhaps, the grand problem of circumnavigating the globe, and the origin of modern discovery; for as Strabo " had faid, that nothing obstructed the pallage from Spain to India by a westerly course, but the immensity of the Atlantic Ocean; and as all the early navigators of Portugal had some acquaintance with Prolemy, so from the first moment that the idea arose that a passage to India, or a circumnavigation, was possible, the account of Prolemy lessened the difficulty by fixty degrees. When Columbus, therefore, launched into

The latitude of Thule is 64 north, in Probons, and the parallel shrough the Cimumon Country 16 24 fouth; that is, 80 24 upon the whole.

* Artificity forms the artifice of this forpusfation, as well as of most other things that are extended in the this kind sedge of the ancientaface Dagman. Pluning 1669.

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The party about the Pillers of Hercales of the country party of the Both important orders on the country of the country of the contemplation of the orders of the orders of the country of the party of the orders of the country of the orders of the order

phonomens of the bearing, and the form of the earth, to the mathematicians, fall thought the turtle a follow, and defailles our fyltem in resultir to that which was afterwards adopted by Projemy; but he adds the idea of gravitation in a most fingular insmera 20-only, print With the last I Deposit II FORTH V LET HE er hands and employed effect, are horseed by department. Life in cro.-" The suits and the heaven If are both (phenox); but the trademy is to The centre of grains. The house it onat right remed bottle, and regard his axis from or wallian wealth and harris foregoth the employ of morest knowledge on their questions; these while with to gratify their consider may con-Bott Stolle on tom at 2, 25, and Herren, Contings true cross and Dogon Law of Assert, who a Printing one, and Ze on His sile.

the Atlantic Ocean, he calculated upon fixty degrees less than the real distance from Spain to India "—a space equal to three-fourths of the Pacific Ocean; and when his course to India was stopped by the intervention of America, however his companions had been driven to despair by the length of the voyage, Columbus certainly met with land before he expected it, or at least before any estimate of his longitude could authorize the expectation.

The prevalent opinion, in the middle centuries, of a passage from Spain to India, is preserved in Roger Bacon; and his opinion is more worthy of regard, because his system is nearest? to the actual prosecution of the attempt. He then informs us, that according to Aristotle there was but a small space of sea between the western coast of Spain and the eastern coast of India; and that Senera mentions that this sea may be passed in a few days, with a favourable wind. Aristotle ", he adds, had his knowledge of the East from Alexander; and Senera, his knowledge of the South from Nero, who sent his centurious into Ethiopia. He might also have introduced the celebrated prophecy of Senera the post:

Venimt annis firculs feris, Quibus occanus vincula rerum Lazer, et ingens pateat rellus, Tethylque novos delegat orbes, Nec fit terris ultima Thule.

Medea, L 375.

A time will come, in ages now remote,
When the wall latrier by the ocean form'd
May yield a pullage; when new continents,
And other worlds, beyond the fea's expanse,
May be explor'd; when Thule's diltant shores
May not be deem'd the last abode of man.

[&]quot; India, in this fends, menns the first land "Rogeri Bacon opus majus, p. 183. He he would meet with coming from the west, cites Aristotle, de Coelo et Mundo; and Sewhich would in reality have been Chiral area, in his fifth book, Nat. Quant.

[#] Becen died in 1294.

The Nuremberg Globe, as it is called, now published in Pigaletta's Voyage, favours the fame opinion; in which the farthest life to the west is named Antille, the existence of which was dubious, and yet the supposition of it was sufficient to make Columbus think he had reached the Antilles when he discovered the first island in America. This discovery is the more extraordinary, as it was the effect of design, and not accident "; when accident would have produced the same effect not ten years later; for it was accident alone that carried Cabral to Brazil in 1500; and the arrival at Brazil would as infallibly have been profecuted to the exploration of the whole continent, as the atchievement of Columbus.

But there is a circumstance still more singular, which attaches to this idea of a passage from Spain to India; for I have in my possession, by favour of Lord Macartney, a copy of the map in the Doge's palace at Venice, drawn up for the elucidation of Marco Polo's travels, or at least certainly constructed before the discovery of America; for in this map there is nothing between the eastern coast of China and the western coast of Spain but sea; and though the longitude is not marked on it, we may form an estimate by comparing this space with others in the same sheet, which are known. Now this space measured by the compasses gives, as nearly as may be, the same distance from China to Spain, as from Ceylon to Malacea; that is, ten degrees, instead of an hundred and sifty; or less than seven hundred miles, instead of upwards of ten thousand. I cannot affert that this is the genuine production of M. Polo

At leaft only to for accident, as meeting taken from an older one drawn up for that purpose, full of marter of a later date; with America inferni of India.

[&]quot;The map, as it now appears, is very ill For, first, it carries him from China to seconomodated to M. Polo's trevels, and H. Bengal by land, whereas he want by the

has additions which belong not to his age, and contains much that he did not know; but it is evidently compoled and adapted to his travels, and as evidently, more ancient than the discovery of America. We have in it, therefore, a guide to form our opinion of the geographers of that age, and the notions they had conceived of the unknown parts of the world; we have likewife the origin of thole conclusions which led Columbus to attempt a westerly passage to India; in effecting this, he was only disappointed by finding a continent in his way, which has caufed a revolution in the commerce of the whole world, and which may ftill cause other revolutions, incalculable in their effect, magnitude, and importance.

But if it is fruitless to look forward to future revolutions; we may at least reverse our attention, and direct it to thole great mafters in the fcience, who first taught mankind to measure the further of the earth by a reference to the phenomena of the heavens-to Eratofthenes-to Hipparchus; and, above all, to Ptolemy, who first established this fystem on a balls so firm, that as long as there shall be travellers and navigators in the world, it can never be shaken. The feience, however advanced, is ffill only in a flate of progrellion: it is flill conducted upon his principles, and is in reality nothing more than a correction of his errors. Those errors were unavoidable, if we confider the difficulty of all first attempts, and the

a. It delineates the Great Wall, which he tifteout finally accord with that part of the map which gives no continent between China and from is totally inexplicable; but that we carnot be militaken in calling it Spain, is telf evident , for we have the river [Gnulli] Quinte, Corunna, and the Sierra Nevula, or Snowy Mountains of Andalufia, all to there proper places.

Acres mediums.

^{3.} It gives the Momeca Islands in detail.

And, 4. In defendes the courie of a Venetion thip, call of the Malourest in 1550, that in, almost fixty years after the differenty of America: wal so that socially mentions the Simila of Magellan. How this firing e incon-

flender means of information in that age, compared with the advantages we possess at the present hour. But even his failures have conduced to the attainment of truth; and whatever resections we may now cast on an excess of fixty degrees upon the measurement of an hundred and twenty, we must acknowledge, with d'Anville, that this, which was the greatest of his errors, proved eventually "" the efficient cause which led to the greatest discovery of the moderns.

21 I a plus grande des errours dans la géo- grant des découveres. Antiq. de l'U. le, graphie de Ptolémèe, a conduit a la plus p. 189.

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DISSERTATION II.

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EZEKIEL, c. EXVII.

THE produce of India or Arabia, mentioned in the Scriptures,

Cinnamon '.

Kalia.

Sweet Calamus, Calamus aromaticus? or, Calamus odoratus?

Stacke, or Gum.

O'nycha, or Skekeleth, a black odoriferous shell '.

Gálbanum, a gum or refin.

Aloes.

Myuth.

Frankincenfe.

Of these, cinnamon and kasia are the only articles which can be attributed specifically to India; and these, with all the others, were brought originally through Arabia into Egypt, Judea, Phenicia, and Syria; and from these countries distributed round all the coasts of the Mediterranean. How cinnamon and kasia might have reached Arabia, by crossing no more sea than the breadth of the Persian

See Exodus, xxx. 29. et feq. Pfalm zlv. Parkhurit in voce.

^{3.} Ezek, axvii. 19.

Gulph; or how they might have been conveyed to the coast of Africa, the reputed Cinnamon Country of the ancients, has already been fusficiently detailed; it remains now to be shown, that Tyre possessed the principal share of this trade, from the earliest mention of that city in history, till its destruction by Alexander, and the foundation of Alexandria.

Tyre, in fact, enjoyed this commerce almost exclusively, except during the reign of Solomon, when Hiram found it his interest to unite with that monarch, who was sovereign of Idumes, in order to secure a port for his sleets in the Red Sea; and the certain means of conveying the imports and exports over-land, from the Red Sea to the Mediterranean. Solomon however, though he exacted a tax upon spices, and contributions from the kings and governors of Arabia, and shared in the profits of the trade, still had no sleets on the Mediterranean—no commerce on that sea. This circumstance gave Tyre a monopoly in regard to the whole communication with the Western World; for though Egypt and Syria might receive the same articles from the East, we read of no sleets or commerce from these countries towards the West, in the hands of their respective inhabitants.

The immense profits of this monopoly admit of calculation, if we dare trust to the Hebrew numbers in scripture; but Dr. Kennicott has shewn, that in some instances the amount expressed by these has doubtless been exaggerated; and if the numeration by letters was used in the original transcripts of the facted writings, it is well known that numerary letters are more subject to error, corruption, or exaggeration, in the manuscripts of all languages, than any other part of their texts

But let us suppose that the advantages of Hiram were equal to those of Solomon, which is not unreasonable if we consider, that though Solomon enjoyed the profits of the transit, Hiram had the whole emplument of the commerce with the West. Let us then observe that the revenue of Solomon is stated at six hundred and fixty-fix talents of gold, which, according to Arbuthnot, amount to three millions fix hundred and forty-fix thousand three hundred and fifty pounds fterling-an extravagant fum at first fight t but not impossible, if we compare it with the revenues of Egypt, which, after the building of Alexandria, enjoyed the fame commerce, unil the fame monopoly. Even at the prefent day, when the grand fource of Egyptian wealth is obstructed by the discovery of the Cape of Good Hope, Sir Home Popham estimates the revenue at twenty millions of dollars', equal to between four and five millions Englift; and when the fame revenue, under the Roman government, may be estimated at three millions, which, allowing for the different ratio of specie, may be taken at four times that amount. Let us reflect on these extraordinary foms, before we conclude upon the impossibility of the fame commerce, and the same monopoly, producing a revenue of three millions and an half to Solomon, upon the import and transit; and the fame fum to Hiram, upon the ex-I dare not affert these to be face, because I think, with Dr. Kennicott, that numerary letters are liable to error; but the revenue of Solomon is twice " flated at the time firm; and the contemplation

Tufe Home Papines's conside Statement of

Of all the resear, notwishilanding the Const Sile of Aple Discours of affect Egypt, and you fulfill remains Confinencement

The Blogs, at the 2 Chrom is, in. The great amount of this revisions is still faither specially of the faithful state of the taxes upon the amount of the taxes upon the amountments. Verience.

of the revenue of Egypt in the lame fituation; and under fimilar circumffances, admits of imputing an immense emolument to this commerce, wherever it became a monopoly.

I have been led into this discussion, upon which every one must form his own judgment, by the specific detail of the Tyrian commerce, in the twenty-seventh chapter of Ezekiel, which, if we consider it only as historical, without any reference to the diving authority of the Prophet, is not only the most early, but the most authority of the Prophet, is not only the most early, but the most authority of the Prophet, is not only the most early, but the most authority of the Prophet, is not only the commerce of the ancients; as such, it forms a part of the plan which I have undertaken to execute. In this view I submit it to the reader; and though I pretend not to any power of throwing new light on the subject, and despair of removing those distinuities which surpassed even the learning of a Bochart fully to elucidate, still there will not remain any general obfeurity which will prevent us from forming a right judgment upon the whole.

Tyre' was one of those flates which had rejoiced at the deflruction of Jerufalem, and the captivity of Judah; it became therefore an object of prophecy to declare, that the also was to fall by the hands of the same conqueror, who had subverted the throne of David; but so much more abundant were the means, or so much shouter was the defence of this commercial city, that the army of Nebuchadnezzar lay before it thirteen years; and it was not taken till the fifteenth after the captivity, in the year 573 before Christ; and when taken, it was so exhausted by the siege, or so deferted by the inhabitants, that the conqueror found nothing to reward him for his labours. Prideaux supposes this city to be the Old Tyre on the conti-

T. Ezrk, Tryie

* Priderex, vol. 1. p. 72

nent; and that the inhabitants took refuge on the island, where the new city flourished again with almost the same vigour as its parent, till it was dellroyed by Alexander in the year 332 A. C. two hundred and forty-one years after the reduction of it by the Babylonians. But, by the language of Ezekiel, it feems as if the city was upon the iffand in 573; for (in chapter xxviii 3.) he fays, Thou that art of the entry of the fea; and in the following verle, and in c. xxviii. the expression is, " I fit in the midst of the seas," or, as it is in the original, " in the beart of the feas." The queftion is not of great importance; but as it role again after its first reduction, by means of its fituation, and the operation of the fame causes, those causes ceased after its second fall, by the removal of Oriental commerce to Alexandria; and from that period it gradually declined, till it has become a village under the defolating government of the Turks; where Maundrel informs us, that he law the prophecy of Ezekiel literally fulfilled "; for when he was there, the fullermen were " drying their ners upon the rocks."

EZEKIEL, C. XXXII.

In undertaking the elucidation of this chapter, perspicuity is the only object in view; omitting, therefore, all consideration of the sublimity of prophecy, or the majesty of language, I propose, first, to illustrate the commerce of Tyre in its various branches, by redu-

Archives regard the fix Newcombe. An expression which feems to imply, the channel between the island and the main; but all the commentators units in the fame opinion with Pridesux.

Ezek: exvi. 14. Manufert, p. 40. He fays, it is not even a village, but that the few milerable fifteemen who inhabit the place, fleiter themselves under the ruins.

cing the Helirew appellutions to the standard of modern geography; and, secondly, to give a commentary on the whole, deduced from the best writers on the subject. By this method, due regard will be had to the convenience of one class of readers, and the curiosity of another; and although I pretend not to assign every ancient name, with precision, to its modern representative, still there will remain such a degree of certainty upon the whole as to gratify all that have a pleasure in researches of this nature.

Let us then, in conformity to the opening of the prophacy, confider Tyre as a city of great splendour, magnificently built, and inhabited by merchants whose wealth rivalled the opulence of kingswho traded to the East by the intervention of Arabia, and to the West by means of the Mediterranean; let us add to this, that in ages prior to the celebrity of Greece and Rome, their fleets hadbraved the dangers of the ocean, and their people were the only mariners who were not limited within the circle of the Mediterranean; that they penetrated callward through the Straits of Death ", which were the termination of the Red Sea, and westward beyond the Pillars of Hercules, which were the boundaries of all knowledge to every nation but their own; that they advanced northward to the British Isles, and fouthward to the coast of Africa on the Atlantic Ocean". Let us contemplate their enterprizes as completed by the efforts of a fingle city, which possibly did not possels a territory of twenty miles in circumference; which fulfained a fiege of

that the Phornicians came to Britain; but in which mire, may be a doubt. If along trached Guiles only in the times here allieded to he was parting the Straits of Calpd, which at that period no other manualid.

[&]quot; The Straits of Bub-thousander, literally

[&]quot; If the flould be thought dublous in the gard to Tyre, it is undoubted in regard to its column, Cartlage. It is the universal opinion

thirteen years against all the power of Babylon, and another, of eight months, against Alexander, in the full career of his victories; and then judge, whether a commercial spirit debales the nature of man, or unfits it for the exertion of determined valour; or whether any single city, recorded in history, is worthy to be compared with Tyre.

After this general view of the splendour of the city, we may proceed to the particulars specified in the Prophecy. First, therefore, Tyre procured,

Vinic

5. From Hermon, and the mountains in its neighbourhood-

From Libanus-Cedars, for mails.

From Balhan, east of the sea of Galifee—Oaks, for oars.
 From Greece, or the Grecian Isles—Ivory, to adorn the beaches or thwarts of the gallies.

7. From Egypt-Linen, ornamented with different colours, for

fails, or flags and enfigus.

From Peloponnelus-Blue and purple cloths, for awnings.

 From Sidon and Aradus — Mariners; but Tyre itself furnished pilots and commanders.

g From Gebul; or Biblos, on the coast between Tripolis and

Berytus-Caulkers,

10. From Perfin and Africa-Mercenary troops.

ta. From Aradus-The troops that garrifoned Tyre with the Cammadims.

12. From Tarihiih, or by diffant voyages towards the Well, and towards the Eaft—Great wealth. Iron, tin, lead, and filver, Tin implies Britain, or Spain; or at leaft a voyage beyond the Straits of Heraules.

13. From

Venie

- 13. From Greece, and from the countries bordering on Pontus-Slaves, and brais ware.
- 14. From Armenia-Hories, horiemen, and mules.
- [tutks] of ivory, and chony. And the export to their illes was the manufacture of Tyre.
- 16. From Syria—Emeralds, purple, broidered work, fine linen, coral, and agate. The exports to Syria were the manufactures of Tyre, in great quantities.
- 17. From Judah and Ifrael-The fineft wheat, honey, oil, and balfam.
- 18. From Damafeus—Wine of Chalybon (the country bordering on the modern Aleppo), and wool in the fleece. The exports to Damafeus were, coully and various manufactures.
- 29. From the tribe of Dan, ", finated nearest to the Philistines—
 The produce of Arabia, bright or wrought iron, casis or cinnamon, and the calamies aromaticus. In conducting the transport of these articles, Dan went to and fro, that is, formed or conducted the caravans. By one interpretation they are said to come from Uzal; and Uzal is judged to be Sana, the capital of Yemen, or Arabia Felix.
- 20. From the Gulph of Perlia Rich cloth, for the decoration of charious or horfemen.
- 21. From Arabia Petres and Hodjaz Lambs, and roms, and

to Diss and Javan comp in this pulling both sould extend to The desired between Peria to Arabums; has if 17ms be a trote of Mosel, and Joppa. From Joppa the operation flow its firmation in between the Phillipsia and could be conveyed to Tyre by Ira, as it was Joppan and the people of that title would lie at a later period from Risingular.

22 From

22. From Sabea and Oman.—The best of spices from India, gold, and precious stones.

23. From Meiopotamia, from Carrise, and Babylenia, the Affyrians brought all forts of exquisite things, that is fine manufacture, blue cloth and broldered work, or fabricks of various colours, in chefts of cedar, bound with cords, containing tich apparel. If these articles are obtained farther from the East, may they not be the fabricks of India, first brought to Affyria by the Gulph of Persia? or caravans from Karmania and the Indus, and then conveyed by the Affyrians in other caravans to Tyte and Syria? In this view the care of package, the chefts of cedar, and the cording of the chefts, are all correspondent to the nature of such a transport.

Tyre, they replenished the city, and made it glorious in the midst of the sea; and if we could now fatisfy ourselves, with Gossellin, that Tarshish means only the sea in general, these ships might be either those which traded in the Mediterranean, or those which came up the Red Sea to Flath, or Leuke Kome, or any other port of Arabia. I am rather inclined to the latter, because, from the nineteenth to the twenty-fourth verse, every particular relates to the East, and apparently to the produce of India; but if we are to understand, literally, the joy of the ships in the harbour of Tyre, they must be those of the Mediterranean; and this supposition accords best with the Tarshish noticed in the swelfth verse, which by the mention of silver, lead and tin, evidently alludes to Spain, and perhaps to the British lifes.

Such

Such is the hiftorical part of this fingular chapter relative to the commerce of Tyre, and illustrative of all ancient commerce whatfoever. It is uttered, however, in an age when the Tyrian fleets no longer failed from Exiongeber, and when the commodities of the East were received by caravans from Arabia Petrea, Sabea, and Mefopotamia. From the time that Judah was feparated from Ifrael, there does not appear to have remained vigour inflicient in either, to have maintained fuch a power over Idumea, as to have fecured a communication with the Elanitic Gulph, for the only attempt to recover this influence was made by the united efforts of both kingdome, and a treaty between their two kings, Jehofaphat and Ahaziah; but the attempt was superior to their united force, and their thips were broken in Eziongeber. From this period , and probably from the termination of Solomon's reign, the Tyrians had no ships on the Red Sea, and supported their communication with it by land only; their track varying as the power of the neighbouring countries fluctuated. This point it is not necellary to infift on, but in an age posterior to the prophecy, and long after the second capture of the city by Alexander, we find that a line of intercourse was open between Rhinocolura" and Petra. It is not, however, the object of the present inquiry to go lower than the second siege; but barely to mention, that even under the Roman Empire a fpirit of

" a China an 35 Jehofaphut at lieft re- twees Egypt and Paledin - the El Arith, for failed a journal with Abstrals a and, after much accord darling the continuous of the Erench in Egypt. The diffusee may be com-(p. 750-), which is flated at 1460 Italia, or 160 miles. Rhum collins is a Greek term, derived from the practice of cutting off the unies of the malefathers feat to garrifor this frontier of Eggs-

commerce

complying with it, Ellister dominad, that was the reason why the power of God was surred to defeat the ordertaking.

[&]quot; Seg-Strain (lin. art. p. 781-) where he mentions expectely the course of the caracum from Lorde Kome to Petral and from From to Philippedicts. Rhinocoforn is the limit be-

STITLE.

were celebrated for their manufactures of file, glass and falt, however obscured by the splendour of Alexandria, and the establishment of that city as the centre of Oriental commerce under the power of the Romans.

Over fuch a leat of mercantile power, opulance, and magnificence, it the period when it was ready to be overwhelmed by the invation of the Babylouians, we may be allowed to breathe the figh of commiferation, however we relign ourselves to the justice of Providence in its 'destruction; idolatry, pride, luxury, and intemperance, we learn from the following chapter, were the cause of its punishment, and the instrument commissioned to inslick it, was an oppressor equally idolatrous and proud.

It remains only to subjoin the authorities, on which, known appellations have been substituted for Elebrew terms; on this head, if complete satisfaction is not attainable, we may, at least, hope for some indulgence, and much deserence to the names of Boshart, Michaelis, Houbigant, and Archbishop Newcombe, the learned translator of the Prophet; and if I sometimes interpose a suggestion of my own, let it be considered as a conjecture, and subject to the corrections of those who are better qualified as judges of Hebrew literature than myself.

"See Levenh on Heigh, c. sail hill mite.

* Manadish was made from Hallma or Bast Harmon, and Jersey, and

The state of the last of the l

And the second law is the second law of the second law is the second law in the second law is the second law is the second law in the second law is the second law is the second law in the second law is the seco

COMMENT

EZEKIEL, O. EKVII.

THE four first veries represent to us the situation of Tyre: it is placed at the entering" in of the fea-in the midft of the feas-in the heart of the less; expressions which feem to intimate that the city was on an ifland", but the general opinion of the commentators places it on the main, and call it Pala: Tyrus, or Old Tyre, in contradiffinction to the new city, which role on the island out of the remnant of the inhabitants that fled from the king of Babylon. Its Iplendour" is delcribed as perfected in beauty.

V. 5. Senir furnished fir for thip boards (planking); and Leba-

non, cedar for mafts.

[Sanir, vulgate, leptuagint.

Firs, rendered cedars, fept. but firs, vulg. Chald. Newcombe.

Cedars, rendered cypreis, fept.

Cedars, I'm, arez. Michaelis fays, the prefent inhabitants of Lebanon use my for a tree that answers to the cedar. See Parkhurft in voce arn, and in previa, firs.]

Senir is part of Hermon (Deut. iii, 9.) "Hermon the Sidonians " call Sirion, and the Amorites call it Shenir." (1 Chron. v. 23.)

- " Manaileh encreafed from Bashan to Baal Hermon, and Senir, and
- " Mount Hermon. Newcombe."-Hermon is a branch of Antili-

Is Pain-Tyron on a rock!

Newcombe's Translation, " Tiy, The, Thom, from whence Equa " Lee Bochart, Phaleg. 309, where its estand Syria, figurities a rock. May it not be gin and magnificence are described, the rock in the sea on which Tyre was built?

JUSTON

banus, from which the fprings of Jordan iffue; and thus very properly joined or contrasted with Lebanon. Lebanon fignifics white, and frow lies upon Lebanon in fummer.

V. 6. Bafhan produces oaks, for oars. Bafhan is the Batanea of the Greeks, east of the fea of Galilee, possessed by the half-tribe of Manaifeh. " We do not readily fee why cedars should be adapted to malls, or cake used for oars. Cedar, however, is " light; but oaks have neither elafficity or levity, but firength " only. Houbigant alone renders it alders, for this reason." Abp. Newcombe.

בתאשתם Bath-Afhurim, rendered Afhurites in our English Bibles; but in the margin, Chaldee and Parkhurff, box tree; as if from אשפרת Thathur, and to בתאשרת Bathathurim, in one word, The whole fentence would then fland thus, as Archbp. Newcombe. renders it: "Thy bonches have they made of ivory, inlaid in box, " from the ifles of Chittim." The Chaldee feems to refer thefe to the ornament of houses, &c. ; but the vulgate has, expressly, transfira, or the threats of gallies; and our English Bible, batches in the margin. Chimim is applied to Cyprus by Josephus-to Macedonia, in the first book of Maccabees; but to Italy and the islands round it, particularly Corlics, by Bochart. Lowth on Haish xxiii. considers Chittim as comprehending all the lifes and coalts of the Mediterranean; and Jerome, as the illands of the Innian and Egean Sea. The latter appear to correspond best with the importation of bux wood from Cytorus in the Euxine, the place most celebrated, poetically, for that production; and the box wood of Pontus and Afia Minor is imported at this day into the Port of London, from Smyrna. The Chaldee renders it Apulia, and the sulgate, Italy. V. 7. Fine

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W. 7. Fine linen of various colours, from Egypt, was used as a fail or rather, as a sing for enfigue. (Vulgare, Chaldee, Newcombe.) Scarlet and purple, from the Isles of Elisha, for a covering or awning to the gallies. Scarlet is rendered by Hyacinthus in the vulgate and Chaldee, that is, the colour of the American; and the Isles of Elisha are Elis, Hellas, or Peloponnesias. The purple of Laconia was the finest dye next to the Tyrian; and the purple cloth of that province was possibly employed, because it was cheaper than that of Tyre, which was reserved for the use of kings. Elisha is one of the sons of Javan (Gen. x. 41); and as Javan is the general title for the Greek nation, Elisha may justly be taken for a part. (Bochart, Phaleg, 155.)

V. S. Zidon and Aradus furnished mariners, but the pilots or commanders were Tyrians: "Thy wife men, O Tyrus, that were "in thee, were thy pilots." Zidon is too well known as the parent of Tyre, to require further notice; but Aradus is on an island like Tyre, at the month of the Elautherus, to the north of Tripolis, and much celebrated for its commerce by the ancients. In the modern title of Ruad, it preferves a nearer refemblance to the Hebrew Aruad, that to the Greek Aradus. Bochart (Phaleg. 305.) gives a large account of this place from Strabo, lib. xii. 753. confilling of many interesting particulars.

V. 9. The ancient inhabitants of Gebal were caulkers in the barbour of Tyres they were mariners likewife, bringing merchandize to that ciry (Chaldee), or failing in the Tyrian thips to the wellward of the West; in during looping (in occidentem occidentia) septing.) I to the extremity of the West. Perhaps we find a sufficient of this reading in the Hebrew; for Archbp, Newcombe observes,

ferves, that five manufcripts read name layarobh, the evening, or well, which the fept. followed, probably inflead of any layabhar, beyond. If this could be admitted, the extremity of the West would at least be Spain, and might be Britain. Gobal, according to Bochart, is Biblos; and Gebail is the name of that place at this day, according to the position of d'Anville in his Map of Phonicia. Laodicase propinqua funt oppidula Positium, Heraclium, Gabala deiude Aradiorum maritima regio. (Bochart, 305. from Strabo, lib. xii. 753.)

V. to. Perfin, Lud and Phut, furnished foldiers for the armies of Tyre.

V. II. The Aradians and Gammadim formed the garrifon of

the city.

Perfix and Aradus are felf-evident. Lud and Phut are rendered Lydians, and Libyans or Africans. (Vulg. fept. and Chaldee.) But Bochart and Michaelis think Lud an Egyptian colony, from Gen. x. 13. where Ludim is the fon of Mifraim; and Mifraim, the fon of Ham, is Egypt. Bochart, however, confiders Lud as both Lydia and Africa; but joined with Phut, as it is in this paffage, it is more applicable to the latter, for Phut is the brother of Mifraim. (Phaleg. 294-)

In this circumstance we find, therefore, that Tyre, like its colony Carthage, employed mercenary troops while the natives were wholly addicted to commerce. Gammadim is rendered Cappadocians. (Chaldee.) Medes. (fept.) Pigmees. (vulgati) (from http://Gamal.fefquipedales.) and Phoenicians by Newcombe, but he adds Gamarim or Gomerim is in 8 MSS, and Gomer according to Bochart is Phrygia; (p. 172.) the true meaning seems irrecoverable. Still we may

may fee that the Perlian and African " mercenaries were for foreign fervice; and the Aradians as joined in the fame commercial interest were entrofted with the defence of the city.

V. 12. Tarthift was a merchant in the multitude of all kind of riches, and traded in filver, iron, fin and lead; the mention of tinnaturally fuggetts the idea of Britain, and that the Tyrians did come to Britain, is afferted by the general tellimony of the ancients; but what Torthith is, remains to be determined after all that has been written by every author that has touched upon the Juliech. Buchart has no doubt of its being Tarteffus" In Spain, near the Straits of Gibraltar, and the articles of filver and lead might doubtlels be procured in that country; but whether tin could be collected there as a general cargo is highly dubious; for though Diodorus mentions that tin was found in Spain, the bulk of that metal was only obtainable in Britain; and as it is univerfally confelled that the Tyrians vilited Britain, they might rather have gone thither to purchase is at first hand, than buy it in Spain, where it must have been enhanced by the expence of importation, and the profit of intermediate merchants. Be this however as it may, it is evident by the articles mentioned, that this was a wellern voyage, and fo far whether to Spain or Britain is immaterial, for the great difficulty is, that Tarthith in feripture as clearly applies to an eaftern voyage down the Red Sea, as to a weltern one towards Spain; this appears in the

Tarthill is mentioned as a procious flows by p 445.

The modern Chathage, in the Femolical Moder, Lefone Through could be neverthereto this, as gold and precious floors were the Lamy objects to this very infly, that product of it. See Littled. I'Economy experi-

England, is laid to be calling at this time a. He thinks Tarbon figures gold, or a four-body of Africans for ferrice in the Well In- the colour of gold, the chrespute or repair. dies. The over is not sufficient, and the and then the voyage of Carthift had a office of drige is probably abundanch.

voyage mentioned in the first of Kings (x, 22) " Solomon had at fea a navy of Tarshish with the navy of Hiram." This was in the Red Sea, and brought a very different cargo—gold, silver, ivory, apes and peacocks, (2 Chron. ix. 21) and (again xx. 36) Jehosaphat joined with Ahaziah to make thips to go to Tarshish, and they made thips in Eziongeber; so likewise, (2 Kings, xxii, 48.) Jehoshaphat made thips of Tarshish to go to Ophir for gold; and as the whole of this, by the mention of Eziongeber, directs us east to the Red Sea; so does the slight of Jonah as evidently direct us to a voyage west, on the Mediterranean, for the Prophet takes shipping at Joppa in order to slee to Tarshish.

For the purpose of reconciling these two opposite ideas, M. Gossollin supposes, that Tarshish means the sea in general, and he likewise supposes two voyages eastward, one to Ophir in Hadramaut,
and another to Tarshish, which he states as no distinct place; but
that the expression intimates a coasting voyage down the African
side of the Red Sea, in which they touched at several different ports,
and were delayed by the change of the monsoon. The formerpart of this hypothesis, that Tarshish signifies the sea in general, I
wish to adopt; and there is little to contrassed this opinion, except
the verse itself now under consideration; but in regard to two
eastern voyages, one to Ophir, and another down the western
side of the Red Sea at large, I have great doubts; I shall, therefore,
sirst collect the suffrages of the interpreters, and then compare the
principal texts of scripture concerned; after this, if the difficulty is

[&]quot; I Khops, write 48. " John buphat made to Ophir; and this concludes against the tender things of Thurshills to go to Ophir he gold." sayages of Goldello, one to Ophir and one to Here the things of Thurshills are those that go Thurshills.

fill incapable of folution, no blame will attach to a fallure which is common to fo many writers of crudition and differement.

Turthith is rendered Carthage in the vulgate; but the objection to this, is, that though tin and lead might be purchased in Carthage, as platina and tutaneg may be obtained in London, yet this is not enough; the whole chapter specifies the diffinct produce of the feveral countries, and not the places where the produce might accidentally be found.

The feptuagint render it Chalcedon which is a city on the Bofphorus; but this feems to have arisen from a reference to the first
fense of Tarshish, which is a precious stone, (Parkhurst says the
topaz) but, however, it may be doubtful whether a Chalcedony
(which is an agate) or whether a topaz is meant by the septuagint.
The rendering of Tarshish by Chalcedon is evidently an allusion to
the name of a precious stone.

The Chaldee Paraphrase says expressly NO 25 Min yama; de mari adducebant mercimonia, which is in conformity with Gossellin's opinion.

The English Bible and Newcombe's translation preferve the Tarshifts of the original.

Let us next observe the usage of this term in scripture. It occurs sieft in Gen. x. 4. where the sons of Javan are Elishah, Tarthilla, Kittim and Dodanim. Now Javan is the general name for lines to or Greeks, and his descendants ought to be the division of that not tion, as the sons of Misraim, (Gen. x. 13.) are the diffinctions of the tribes of Africa. In conformity to this, Elishah has been rendered Elis, Hellas, or Peloponnesus; Kittim the Greek Illes, or per-

⁼ Xaxaddy and Laggerick are sailly inter- - Daniel, ellis xx. 211 7/22 Melak Jacon, changed. - the King of Greek, id. s. o. si. s.

haps Macedonia; and Dodonim Dodona, or the wellern fide of Greece towards the Hadriatic. What then would be Tarthiffs? Bothart and others are not content with this; he supposes Kittim so be Italy, and Rodanim" for Dodanim, to be Gaul about the Rhodanns or Rhone, and Tarshish to be Spain; that is Tartessus. Parkburll likewife admits Tarteffus, and Michaelis imagines, that the fleet fitted out at Eziongeber, circumnavigated the continent of Africa to reach Tartellus by the Indian and Atlantic Ocean. This felution he affumes, because the voyage was of three years continuance, and because Solomon had no posts on the Mediterranean. The latter reason cannot be admitted while Solomon and Hiram had a joint concern; for during that union, the fleet might have failed from Tyre. But the three years allowed for the voyage are not fufferient, if calculated by the voyage of the Phænicians fent by Neco, which is probably the ground of Michaelia's estimate; for they were three years in reaching the Mediterranean; and confequently the voyage round Africa to Tartellius, and back again, would require not three, but fix years for its completion.

Upon a view of these difficulties, if we thould return to Javan, and wish to establish all his family in Greece, we ought to find a senation for Tarshish in that country; and if this cannot be done, it must be consessed that the position of Tarshish cannot be discovered by the text of Genesis the tenth. Omitting this, therefore, for the present, we may proceed to other passages connected with the subject of inquiry.

It has been proved already (from a Kings, xxii. 48,) that the thips of Tarihith built by Jehoshaphat at Eziongeber, went east to Ophir,

Bochards; is in read in toward MSS, and in and reth are entity interchanged; The diderk

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and (from Jonah, i. 3. iv. 2.) that Jonah, by embarking at Joppa, fled wellward on the Mediterraneau. Now the tea is common to both their voyages, but no one specific place, country, or city, can be common to both; and upon a careful examination of all the pallages adduced by Goffellin, and all that are to be found in the concordance, there is not one which may not be rendered justly by the fea, as Golfellin has afferted. The Vulgate and the Chaldee vary in different places, but the prevailing construction is mure or maria; and the Vulgate (on the 1 Kings, x. 2. xxii, 49.) has thips of Africa, which might give rife to the opinion of Montelquieu and Brace, that Ophir was at Sofala; but Africa is itself a suspected term in Hebrew; for it is Latin, not nied by the Hebrews, whose phrate was Lubim, and little by the Greeks", who adopted Libya from the fame origin; but in the Chaldee it is in to many letters morrow Africa (r Kings, xxii. 49.), and this term is doubtleft, in comparison, modern. The other texts are, if any one flould with to examine them. (2 Chron. ix. 21. ax. 36, 57. Plalm xivili, 7. Thou breakest the ships of the sea, Ixxii, to, the kings of Tharlis; kings beyond fea in Sabea. If, ii. 16. axili. 1. the burden of Tyre, howl ye flaps of Turthifb, naves maris. Vulg. Chald. ibid. ver. 6. Pala ye over to Tarihith, transite maria. Vulg. Chald, and at ver. 10. Tyre is called daughter of Tarthift group on Bath Turthift, daughter or virgin of the fee, Filia maris. Volg. And what appellation cauhe more proper, for fuch a city which owed its existence to the fea? If. lx q. thips of Tarthith, naves maris. Vulg. Chald. lxvi, 1q. I will fend them that escape to Tarthish, ad gentes in marc. Vuig. ad provincias maritimas, Chald.)

Perhaps bever sill after their connection with Roun-

Upon the evidence of all these passages, there is no belitation in fubicribing to the opinion of Goffellin, but his double voyage down the Red Sea is by no means equally apparent. There is likewife great reason to adopt Parkhurit's idea, that they were large and flrong flips, fit for diffant voyages; or if the reading of the feptuagint (Ez. xxvii. 9.) could be admitted, we might add, that they were flour enough to pais (iz) Jurua's duapies") to the extremities of the well, to the Atlantic and Britain; or to the east, through (Babel Mandeb) the Straits of Death, and fo to the fouthern coaft of Arabia. This account we have from firiptore, and it is clear; but the voyage to Britain, though generally admitted, is far more problematical, for the evidence of Strabo " goes only to prove, that a Phenician vellel was run afhore in order to deceive the Romans, which must relate to a much later period; and the tellimony of Diodorus Sienius " intimates, that even in his time, tin was brought from Britain, through Gaul, by a land carriage of thirty days, to the mouth of the Rhone, or perhaps to Marfeilles. Still that the Tyrians did obtain tin is manifest from Ezekiel, and that they passed the Straits of Calpe, and reached Gades at leaft, is certain, for the temple of Hercules in that illand was the Melcartha " of Tyre, whom, from his attributes, the Greeks flyled the Tyrian Hereules.

V. 13. Javan Tubal and Methech dealt in flaves and vellels of brafs, intimating probably that they all dealt in flaves, for flaves came out of the Euxine and the countries round it in all ages into Greece, and fill

[&]quot; That we may not millead, it is necessary. m observe, that this term is put used in the serie under contemplation, but in v. p. 1 with to find any where an estrume wellern voyage, to Gades or to Britain, which I much could's the City. Bechatt.

is not perfolily clear. " Strato, lik ni. p. 175...

[&]quot; Lih. v. 547. Well. " Milestly is Melek Cartho, the King of

come to Constantinople. The Greeks of course carried these or others which they obtained by piracy to Tyre as well as other ma. ritime cities. Brafs veffels will apply more particularly to Tubal and Methech, which are usually rendered Tibareni and Mofchi, who, with the Chalybes and other inhabitants of the north-east angle of Afia Minor, have been in all ages, and fill are the manufacturers of fleel, Iron, and brafs, for the fupply of Armenia, Perlia, Greece, and all the eaftern countries on the Mediterranean. (See Busching and Michaelis cited by Newcombe on this pallinge, and Bochart.) Tubal and Meshech are generally mentioned together in scripture, and Tubaleni is as naturally Tybareni, as Mesheck, which the Chaldee reads Molock, is Molchi, while Javan, Tubai and Melheck are all fons of Japhet. (Gen. x. 2.)

V. 14. Togatmah traded in horfes, horfemen and mules, which Bochart Supposes to be Cappadocia, (p. 175, Phaleg.) but Michaelis with much greater probability, Armenia, for Armenia and Media were the countries where the kings of Perila bred hories for the fervice of themselves and their armies, and in later times Armemis paid its tribute from this fource. See Newcombe, who cites the Greek Scholiaft on Ezekiel, and Ez. xxxviii. 6. The Chaldee renders it unaccountably by Germania. The objection to assuming Armenia for Togarina, is, that Armenia is in every other pallage reprefented by Ararat. (See particularly a Kings, xix. 37, and Ifaiah, axxvii. 38. and Jeremiah, ii. 27.) I have not had an opportunity of confulting Michaelia Spicileg. Geographicum, and can judge of it only as it is cited in Newcombe.

Ver. 15. Dedan is mentioned in conjunction with the merchants of many ides; they brought borns (tulks) of ivory and chony. Dedan 442

Dedan is firangely rendered by the septuagint Rhodians. They must, therefore, have read a resh for a daleth; but Dedan 30 is doubtless on the fouthern coast of Arabia, for he is mentioned (Gen. x. 7.) with Seba, Havilah, Sheba and Raamah, all nations of Arabia and on the fouth. There is fill a Dadena on the coast of Oman, oppofite to Cape Jafque; and a Rhegma, within the Gulph of Perfia, not far from Mogandon, is found in Ptolemy, corresponding with Rasmali or Rahmah, in the opinion of Patrick. Without, however, infifting on these resemblances, we may be certain of the country from the other names with which it is united, and its produce; for ivory and ebony are furnished only by India and Africa, and the province of Oman deals with both. If we read borns of ivory, with our English. Bible, they are the tulks refembling horns. If horns and ivory, with archbithop Newcombe, the horns from the lifes may be tortoife-thell, peculiar to the ifles of India; and chony, if Virgil be good authority, is found in India and nowhere elfe.

> 2do India nigrum, Fert Ebenum. Georg. H. 117. Newcombe,

It is evident, therefore, that we are here first introduced to Oriental commerce, and from this verieto the 25th, every article specified 78 from the east, and every place mentioned, is to the east of Tyre, or connected with the trade caltward. To those who have a curiosity on this subject, this is the most remarkable singularity of the chapter, and the establishment of the fact will be self-evident. The Chaldre renders horns by cornibus caprearum, and adds pavones, from the general ac-

the Telamo, or could of Ambia, on the Red Sens and Elm is in Heding. This makes a difficulty 4 but the countries amutioned with Dedun, and the articles imported, indicate the

[&]quot; I follow Bookset and Michaells is playing Dedan on the rollers coult of Arabia, and I think they are right a but Dedan is mentlimed with Tuma, jer way up, and with Efant, airs S. Terra is by Niebulo formoled to be fouth suff angle of Arabin.

counts of the voyage to Ophir, but neither of these additions is justified by the text.

V. 16. Syria was the purchaser of the manufactures of Tyre; and the Syrians brought in return, emeralds, purple, embroidered work, fine linen, coral, and agate. Syria, in the original, is Aram or Aramea; and Aram, in fcripture, is fometimes Melopotamia femetimes Damafcus", and likewife the country about Libanus, and the Orontes. Emeralds, fine linen", coral, and agate, are doubtless from the Eaft; but as to the appropriation of these names specifically to different precious flones, it is quite indeterminate. Fine linen, and embroidered or variegated work, may be the cottons or mullins from India, but is too general a term to be depended on, Still, upon the whole, we may imagine, that all thefe are articles brought by land from the Gulph of Perlia, through Melopotamia or Damaleus, in exchange for the manufactures of Tyre. Purple and fine linen are frequently united in the language of Scripture and the usual interpretation is, fine linen of a purple colour; of this, though Michaelis fays purple would not be brought to Tyre, but exported from it, there might be an importation (fee Newcombe in loco) from India through this channel.

V. 17. Judah and Ifrael brought to Tyre wheat of minnish ", or fine wheat (Vulg. Sept. Chaidee), and pannag, perhaps panleum, millet or dours, with honey, oil, and balfam. There is little fluctuation in the vertions; and though pannag may be dubious, the other articles are the natural produce of Judah and brack; and ballam is

from

[.] Aram Dannick is Dannicon, the proper the catton "Mignith occurs in no caller pattings, Mind. STO Burg. Beday, wanty where rene is misd for our mania, but was been us applied dered not have, a forpuled every where to extinulare,

from Jeriaho, where the plant which produces it grew in Maunitrel's time.

V. 18. Damafous received the richeft manufactures of Tyre, in exchange for wine of Helbon, and white wool, that is, wool in the fleece or unwrought. If Tyre bought wool in the fleece, and manufactured it, it is the time policy as Flanders adapted formerly in regard to the wool of England. The wine of Helbon is the Chatybon of the Greeks; the kings of Perfia drank no other. (Newcombe from Strabo.) Syrian wine is ftill celebrated, and Laudicean wine is an article of commerce in the Periplüs. The Eaftern name of Aleppo is ftill Haleb; and Haleb, Halebon, or Chalybon, are only varied by different alpitates or Greek terminations. The river Chalus, which Xenophon mentions in the expedition of the ten thoufand in must be near the prefent Aleppo, or the very fiream which at this day supplies that city with water. Damafous lies upon the route from Aleppo to Tyre; and to Aleppo the distance is about double that to Tyre.

V. 19. Dan and Javan, going to and fro, brought iron ", and callin, and calamus: the two last articles are evidently Oriental, and Indian iron is likewise a part of the Eastern invoice in the Periplus, We are therefore to look for this Javan, not in Greece, as before, but in Arabia, and to point out the diffinction between the two Javans. The adjunct of the name, rendered in our English Bible going to and fro ", is in the original Me-Uzal; and Uzal is explained by Gen. x. 27. where Uzal is the fon of Joktan, joined with Hazar-

mayeth

Possel's Aleppo, where it from the river Kolike chap, in and d'Anville's Map of the "From TN and,

[&]quot; Bright or wrought leon, in the original.
" From TIN 2221, to go.

mayeth (Hadramaut), Sheba, Ophir, and Havilah; all which we know to be in Arabia, and confequently Javan ", Me-Uzal, is fo likewife. It is unwillingly that I drop the fense of going to and fro, because it expresses the practice of a caravan; but the retaining Uzal as a proper name, is juffified by the Vulgate and Sept. and approved by Newcombe, and Michaelin, who adds, from Golius, Azal nomen Sanaz quæ metropolis Arabiz felicis. Michaelis alfo fuppoles Dan to be Vadan, and a city of Arabia; but of Vadan " there are no traces in Gen. x.; if it is Dan, one of the tribes of Ifrael, his tituation is between the Phillitines and Joppa, placed very commodiously for receiving the caravans from Arabia in that age, which came to Rhinocolurs in a later; and equally convenient for embarking at Joppa the commodities brought by the caravans to be conveyed to Tyre. Be this as it may, the traffic is undoubtedly Arabian, and from the fouthern " coaft; for (mp) khiddah, is callia, the caffia lignea of the ancients, from (np) khad, to cut or divide lengthways, in contradiffinction to kafia fiffula", the pipe cinnamen, which we now prefer. The (707) khanch likewife, or reed, if it be the culamus aromaticus, is of Indian growth. There can be no doubt therefore remaining, but that this verie fully ellabilities the intercourse of Tyre with India, through the intervention of Arabia; and no doubt that the Arabians went to India, or thips of India came to Arabia. This circumstance consequently must have taken place previous to the fiege of Tyre, at lateft " 560 years before Christ;

[&]quot; See Parkburft in To. Mindle.

[&]quot; Monel, only. Mnorth tops, Turnation, is Daniel, in Archiel of See Parkhard in

[&]quot; 377 may be Frahm, or and Day.

[·] Hararmaveth, Hurday, Option, and Shelia, are all no the fouthern could. Harilah is top-

point in he Chadestin in Omas ; to Durid is Daoud, in Archies

of few Parkinged in voce, and the extelligue to the prefere work, under balls.

[&]quot; Coord with Pilatenton, in Greece,

and this passage is therefore the most ancient record of the trade between India and Arabia, which can be called HISTORICAL; for though spices are mentioned frequently, that term is not decisive, as all the gums and odours of Arabia are comprehended under that name. Cinnamon, kasia, and calamus, alone prove an Indian origin; and notwithstanding these are noticed by Moses, David, and Solomon, the conveyance of them by caravans from the southers could of Arabia is no where specified, till we arrive at this passage in Ezekiel.

V. 20. Dedan imported precious clothes for chariots. Dedan is introduced before (v. 15.): it may be the fame country again, that is, Oman. But in this verse there is nothing to express whether these clothes are a manufacture, or an import from countries farther to the east.

V. 21. Arabia, and the princes of Kedar, purchased the fabrics of Tyre, and brought in return, lambs, rams, and goats. By the princes of Kedar may be understood, the sheiks of the tribes of the Sahara or Defert: they lived in tents; and these tents were black, made of felt, perhaps, as they still are. Kedar signifies black, and Bochart concludes from this, that they were Arabs burnt by the sun; but that it refers to the tents is evident from Canticles, i. 5. I am black, but comely " as the tents of Kedar. These, therefore, are the Arabs of Hedjaz; they have no fixed habitation, but wander throughout the Sahara "; and their only wealth, besides what they obtain by robbery, consists in their slocks and herds. The produce of these they brought to exchange for the manufactures of Tyre.

r See the Song of Mailiera, wife of Mos. Arabs of the Defert.

wish, in Abilifeda, Reille, p. 116, which pre
Ents a true picture of the manners of the racent.

V. 22.

V. 12. The merchants of Sheba and Rasmah brought all kinds of the finell odours, precious flones and gold. Between Sheba (with thin) and Seba (with famech) there appears a diffinction; for Sheba is a defeendant of Shem, and Seba of Ham, Gen a. Sebais, by fome, taken exclusively for Sahên, but both are in Arabia. The militake, however, of one for the other, is natural, as there is a Sheba" alfo, great grandion of Ham. Mentioned, however, as Sheba is in this puffage with Raamah, and connected as it is with Dedan (v. 20.), we may conclude that the great grandien of Ham is meant, the fon of Rasmah, who is fon of Cuffs. Cuffs, likewife, is much more properly attributed to Arabia than Ethiopia, though frequently rendered by Ethiopia in our English Bible. If this may be effected a clue to guide us, we may place this Sheba, with Rasmah." (Rhegma) and Dedan (Daden), towards the fouth-east angle of Arabia, that is, in Oman; where fpices, drugs, odours, gold, and precious flones, might readily be conceived, partly to be the native produce of the province, and partly imported from India. Of precious flones there can be little doubt; and that gold fhould be brought from India, is a circumstance in conformity with the Periplus; for if the merchant carried filver to the Indian market, he had a confiderable profit by exchanging it for gold.

V. 23, 24 Haran, Canneh, Eden, with the merchants of Sheha, After, and Chilmad, traded in blue clothes, broidered work, or work of various colours-in cheffs of rich apparel, made with cedar and bound with cords.

[&]quot; Compare Gen. x. y. with the fame Ragma in the Sept. 1 both advancing a dry rowards the Rhegina of Polemy, --chap: zili " Harmal is Remain the Valgary, and by the y grade in 112273 Rhayesia.

. That this expresses generally the trade with Mesopotamia and Affyria there can be little question; but Sheba mentioned again with these places; causes great obscurity. It may be too much to fay, that these articles came up the Gulph of Persia, from Sheba or Oman to Babylonia and Mefopotamia, and thence by caravans to Tyre; but the chests of cedar bound with cords do certainly feem to imply fome great caution adopted for the prefervation of the clothes, which appear very precious, and highly ornamented. This caution feems more necessary for a conveyance over land, not only to prevent injury to the goods, but robbery likewife.

But Michaelis, as I learn from Archhp, Newcombe, goes counter to this whole supposition. With him, Haran is Haran-al-carin in Arabia; Cannel is the Kane of Hadramaut; Eden is Aden in Sabea, or Yemen; Sheba is a different place from Sheba in the verie preceding, and Chilmad is left undetermined.

But to me it appears, that in the preceding veries we have gone round the whole coult of Arabia, from well to cast-from Hedjaz to Sabea, Hadramaut, and Oman; and that we are now brought up the Gulph of Petlia to the Euphrates and Tigris-to Babylonia, Melopotamia, and Affyria; making thus a circle of that vait peninfula, and comprehending all the countries connected with Tyre to the east. Against such authority as Michaelis, I must not stand on my defence with my own forces, but call in auxiliaries, who have as high a claim to confideration as Michaelis himfelf.

The fingle name of Afshur, enumerated with the other places in this paffage, is fufficient to convince us that they are not in Arabia, but Affyria; for Afshur is the fon of Shem (Gen. x. 21.), joined with

with Elam ", Elymais, or Pezlis, and Aram, Aramês, or Syria; and the invariable utage of Afabur for Allyria, does not admit of altering its application in this fingle passage. Haran and Eden are menthough in conjunction (a Kings, xix. 12. Bochart), and Haran, written Fluaran or Charan in the original, is Charge near Edeffa, celebrated for the defeat of Craffies in later times, and more anciently for the refidence of Abraham (Gen. xi. 31.), when he left Ur of the Chaldeans, near the Tigris, in his progress towards the land of Canaan. (Bochart, d'Auville.) Eden, Adams, and Aden, is a name found indeed in Avabia and in other places, and its figuification might readily be the cause of this; for the Garden of Eden is the Garden of Delight, and various places, possessed of a definable fituation, might affume this diffination; but joined with Haran, as it is here, and in the second book of Kings, it must be in Assyria, and no where elfe; for in the latter paffage it is put into the mouth of Rabiltekah, and Rabiltekah was an Allyrian.

Cannelt likewife is read Calnoh by Grotius, Houbigant, and Bochart, (mentioned Gen. x. 10. Ifainh, x. q. and Ames, vi. z.) Wichaclis himfelf acknowledges that the Chaldee interprets it of Niffhis in Melopotamia, as others affirme it for Crefiphon. But without affigning it to a particular city, it is fufficient for the prefent purpole that it is in Affyria. The proof of this is express (Gen. x. 10.)-Calnels, in the land of Shinar; out of that land went forth " Afshur, and built Ninevell." If therefore Cannell be Calnell,

The Edynolis is this original feat of this Pers, many or Phen, extended its basic with their

fine in the mountains of Loretten, before they conquests. The fance mountains were putextended themselves in Perio and Sullana, felled by the Chilled in latve times, and the Kenepline describes them in the Crospellia. Perficie are femerimes called Kullil or Kulli morramally a nation of monstainers. Ely- by the Occake.

this is concludive; if it be not, this is the fingle pallage of feripture in which it is mentioned, and it must be determined by the context. In this predicament stands Chilmad likewife; it is noticed here only; and if we have alcertained Alshur, Charan, and Eden ", tobe in Melopotamia, in that country must both Cannels and Chilmad be placed.

In regard to Sheba there flill remains a doubt; for though there are three Shebas or Sebas in Genefis, x. we cannot affigu any one of them specifically to Allyria. I have offered a conjecture, that this Sheba may be in Arabia, on the Gulph of Perlia, but it is mere conjecture; and if it be not admitted, this also, though now undifcoverable, must be assigned to Assyria with the others. But I apprehend that Sheba and Seba are in every other paffage of the Scriptures applied to Arabia.

This Commentary, tedious as it must necessarily appear in some respects, will, I trust, be acceptable to every reader of curiosity. 1 have little merit but that of collecting, under one point of view, what is to be fearthed for in the detached puffages of other authors, This might have been done by any one that had equal industry, or an equal defire of elucidating the commerce of the ancients; but it has not been done in a fatisfactory manner by any one, as far as I am acquainted with the fubject.

[&]quot; Edus denotes a particular country or universally alligned to Mislopotamia. See Bodiffrie Gen II. 8. " God planted a gurden chart. Differnat de Paradifa terrellri, p. 9. & " enilward in Eden." And Eden, by the Hardonie, Plin tom i. mention of Tigris and Eughenter, v. 14 is

In the profesurion of this inquiry, I have felt much interest in tracing the channels which commerce opened for irfelf, after the Tyrims had no longer access to the Red Sea, or the means of making the voyage to Ophir in their own thips; and I think it appears evident that they had a communication by land with all the three fides of Arabia, as well as with the countries farther eaft. through the intervention of Arabia, of Affyria, and Babylonia, That the commodities of the East will bear a long and expensive land-carriage, we may be affirred by the caravans which traverfed the whole continent of Afia, from China to the Mediterranean, in former ages; and those which pass between the same empire and . Ruffia at the prefent day. That the Tyrians should be employed in the fame concern, is natural, from our knowledge of their commercial spirit, and from the profits of their monopoly in regard to Europe. Whether the knowledge of these gains, or the thirst of conqueft, induced Nebuchadnezzar to daffroy this city, may be questioned; but I have already shewn that he had improved the navigation of the Tigris, and effablished a plot on the Gulph of Perfia. In this there could be no object but a communication with the Eaft; and when the Babylonian empire funk under the power of Perfit, Tyre role again out of its ruins; because the Perfittes were neither travigators or merchants, and because the feets of Tyre were. ellential to the projecution of the conquells of the Perlians towards the West.

The deliruition of Tyre is foreteld by Italah (axiii.) and Jeremiah (axv. 22. alvii. 4.), as well as by Ezekiel, who employs three chapters upon the hibject, and enters far more minutely into particulars. In the twenty-eighth chapter he declares, the pride of this devoted

devoted city, whose sovereign boasted, "I am a God 1" "I fit in "the feat of God, in the midst of the seas 1" "I am God" (v. 9.); and whose luxury made every precious stone his covering—the sardins", topax", ruby, diamond, beryl, onyx, jasper, supphire, emerald, and carbuncle, set in gold (v. 13.). The various rendering of these in different translations, will prove indeed the little dependence there may be on our knowledge of the Hebrew terms; but will still leave an impression, that they are imported from countries farther eastward, whence most of the precious stones still come, and will prove not only the value, but the direction of the commerce.

With these observations I close the review of this extraordinary prophecy relating to Tyre and its commerce; and if the Periplus affords us the means of tracing the countries it describes, by the specification of their native produce; equally appropriate, or more abundantly so, are the articles contained in the enumeration of the Prophet; the latter part of which coincides most essentially with the detail in the Periplus, and establishes the confishency and veracity of both.

in Sections, Introduct a l'Exiture, c. le. p. 415. Who has all that one well be failt on the fiderest names of jewels are chiefly derived from verbs expressing radiance, and are therefore indeterminate; but note in end, and may be the cuby: Algebra the the famel of judges, and popular is fell eviders. I wish the properties and popular is fell eviders. I wish the dominant to tirke, could be afcertained for the dominant of tirke, could be afcertained for the dominant and might we not fourth the root. The last, to move brickly, to irradiance, there, we glid in. Figlis, be adds,

denotes the Mording Star, from its stell folioidour.

"Turthith is our of the lewels inche besultplate of the high-priefl, which (computed with John, Rev.) Lamy concludes to be the chryfolice or topse; but he edds, thus some tuppole it the signe manner, or done that is the colone of fra-water, and that in this fram Tarthiffs the jewel is applied to Tarthitle the less, p. 431. It is tradered chryfolic as topse is this pullegy of Earland. To the public I now commit the refult of my inquiries. In return for the labour of many years, the only reward I am anxious to obtain is, the approbation of the learned and ingenuous: if I fail in this object of my ambition, I must confole myself with the reslection, that my own happiness has been encreased by attention to a favourite pursuit, by the acquisition of knowledge, and by the gratification of a curiosity almost coetaneous with my existence.

DISSERTATION III.

south machines topposed in side. He proves which may chilled white

ON THE NAVIGATION AND COMPASS OF THE CHINESE,

THE RIGHT HON. THE EARL OF MACARTNEY

William MAN to address the distribution may

A. B. As p. 257, this Differentian is mentioned improperly as No. 1.

I'N my Journal of 11th August 1793, I gave some account of the junkas and shipping employed by the Chinese, and expressed my attendshinent at their obstinacy in not imitating the ingenuity and desterity of Europeans, in the built and manocuvre of their vessels, after having had such striking examples before their eyes for these 250 years past: but I must now in a good measure retract my confure upon this point; as, from what I have since observed in the confes that I believe the yachts, and other crast usually employed upon them for the conveyance of passengers and marchandize, and the Chinese boatmen's manner of conducting and managing them, are perfectly well calculated for the purposes intended, and probably superior to any other that we, in our vanity, might advise them to adopt.

With regard to beffels of a different kind for more diffant voyages, to Batavia, Manilla, Japan, or Cochin-china, I am informed that the Chinese of Canton, who have had frequent opportunities of feeing our thips there, are by no means infensible of the advantages they

they poffets over their own; and that a principal merchant there, fome time fince, had ordered a large welfel to be confirmeded according to an English model; but the Hou-pou, being apprized of it, not only forced him to relinquish his project, but made him pay a confiderable fine for his delinquency, in prefuming to depart from the ancient established modes of the empire, which, according to his notions, must be wifer and better than those of the barbarous nations, which come from Europe to trade here. It is indeed, as I have before remarked, the prevailing fystem of the Tartar government, to impress the people with an idea of their own fufficiency, and to undervalue in their eyes, as much as possible, the superior invention of foreign nations; but their vigilance in this respect, and the pains they take for the purpole, evidently betray the confcious fears and jealoufy they entertain of their hibjects' talle for novelty. and their fagacity in discovering, and wishing to adopt, the various articles of European ingenuity for ufe, convenience, and luxury, in preference to their own clumfy, old-falhioned contrivances'. The government also probably apprehended danger from our teaching their indicels things of which they are now ignerant, but which they would be willing enough to learn. No precaution, however, can fland before necessity; whatever they want from us they must have, and every day they will want more, and clude all means of prevention in order to procure them. Conton, opium, watches, and broad cloth, and tin, they cannot do without; and I have little doubt, that in a fhort time we that have almost a monopoly of their implies to them,

4 C

I am afford that feveral finant young awa boules, and when they come should Chinese of Canton we in the habe of seeing cover them over with their used Change atbreeches and flockings, a l'Angloile, in their contressents. Bor

DETERMINE

But to return from this digression to the subject of Chinese Navigation .- It is a very fingular circumflance, that though the Chinefe appear to be fo ignorant of that art, and have neither charts of their coasts or less to direct them, nor forestaff, quadrant, or other infleument for taking the fun's altitude, yet they have for many years past been acquainted with the use of the Mariner's Compais'; they even pretend that it was known to them before the time of Confacius. Be that as it may, the best writers agree that it was not known in Europe till the thirteenth century, nor brought into ge-- neral afe till the latter end of the liftcenth; but whether communicated by Marco Polo on his return from China, or by fome other adventurer, remains undecided. The plan of it, according to its division into thirty-two points, seems to indicate it rather an intended European improvement upon fomething already difeovered, than to be an original invention. The Chinese Compals being divided only into twenty-four points, it was eafy to add eight more; and yet, even with this improvement, the European Compain in one respect labours under one disadvantage when compared with the Chinese one; for in the latter the calculations are much eatier, each point answering to lifteen degrees, without odd mi-

Whoever it was that originally introduced the Mariner's Compais, as now used, of thirty-two points, could not have been extensively wested in fillence; for, long before the discovery of the magnetic needle, philosophers of all nations had agreed to divide the circle into 360 equal parts or degrees, a degree into 60 minutes, a minute into 60 feconds, &cc. &cc. The reason, I presume, of the general

"Ting numelin, or the South-deciling Nee'ld-

adoption and continuance of those numbers, is the convenience of their being divisible into integral parts by formany different numbers. The points of our mariner's compals, however, happen not to be among these numbers, for 500 divided by 32, give 112 degrees, so that, except the four cardinal points and their four blieding points, all the others converted into degrees, will be involved with fractions, a circumflance of great inconvenience, although thought immaterial by learnen, who have tables for every minute of a degree ready calculated to their hands. Now, it is fulmitted, whether the Chinele, without any pretentions to felence, have not fallen upon a more convenient division of the card of their compass, than the Europeans have adopted, with all their pretentions to faience. It is quartered by the four cardinal points, in the fame manner as ours, and each of thefe is fubilivided into fix points, making 24 points in the whole card, fo that every point contains 15 degrees, or the fifteenth part of 360.

After all, perhaps a division of the card into 36 points would be found more advantageous than any other, for then every point would be equal to ten degrees; half a point equal to five degrees, &cc. &c. and fo on.

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APPENDIX.

A CATALOGUE of the ARTICLES of COMMERCE

MENTIONED IN

THE DIGEST OF THE ROMAN LAW,

AND TH

THE PERIPLUS OF THE ERYTHREAN SEA.

FTER the former part of this Work was published, a recommendation occurred in the Indian Difquilitions of Dr. Robertfon (p. 58.), to compare the Roman law in the Digest with the articles of commerce in the Periplus. This talk I undertook with great readiness, and had the fatisfaction to find the concurrence for general, as to encourage me to purfue the comparison throughout. The conclusion derived from the performance of this talk was a conviction that the digest was the best commentary on the Periplûs, the most ample proof of its authenticity, and the most complete illustration of the Oriental Commerce of the ancients. This confideration led me to the defire of confolidating the two catalogues into one, in which I might concentre the proofs, and at the fame time have an opportunity of correcting the errors I had been led into by my dependance on claffical authorities, without a fufficient knowledge of Natural History. To this cause, I trust, will be imputed, the defects of the former catalogue; and, though the same cause may still operate, in a degree, I have now, however, been affifted in removing many misconceptions by the Kindness of Dr. Falconer of Bath, and by that of his Son, who is a fellow-labourer with me in the illustration of ancient geography, and the translator of the Periplus of Hanno. To both of them I was known only by my publications, and unfolicited by me, both propoled feveral corrections which I am happy to adopt. If the object of an author is the investigation of truth, he will receive all friendly corrections with gratitude, rather than defend his errors with pertinacity or ill-humour. Fam fenfible alfo, that I flood in more need of advice than many others might have done, because I came to this office with less information in Natural History, than was requilite for the undertaking. This, perhaps, might have been a futhelent reason for declining it altocether; but I withed to elucidate the author that I had before me; and, I truff, that what I have done, will be acceptable to every reader who is not deeply verted in Natural Hittory himfelf.

N. B. When an article in the following catalogue is found both in the Digeil and the Poriphia, it will be marked D. B.; and with one of those letters, when it occars only in one of them.

When the observations are inferred which I received from Dr. Fulconer or his 180%, shale of the Pather will be marked F. F. and those of the Son F.

Observations which are still dathous will be marked Q.

The Tree of the Party Property Property

THE Rescript of the Roman Emperors relating to the articles imported into Egypt from the East, is found in the Digest of the Roman Law, book axxix title xvi. 5, 7, in the edition of Gothofred vol. i. p. 570, (best edition, vol. ii. p. 919.) and cited by Salmasius Plin. Exercit. p. 1189. Paris edition, 1629. Ramusio, vol. i. p. 371. Purchas, vol. ii. p. 33, and by Bergeron, &c. &c.

Neither Ramulio or Purchas hav centered into any difension of the articles specified, but enumerate them as they stand in the Refeript, which Gothofred shews to be abundantly incorrect. Salmafius has done much towards restoring the true reading, and much is still wanting.

The law itself, or rather the Rescript, is imputed by Ramasio to Marcus and Commodus, and, standing, as it does, between two other Rescripts, which bear their name, it is probable that this opinion is right.

The paffage which precedes the Refeript in the Digeff, is as follows:

- "The Refeript of Marcus and Commodus ordains, that no blame
 "thall attach to the collectors of the cultoms, for not noticing the
 manount of the cultoms to the merchant, while the goods are in
 transit; but if the merchant withes to enter them, the officer is
 not to lead him into error."
- Upon this, it is only necessary to observe, that Commodus was affectated with his father Marcus Aurelius Antonious, in the empire, four years before his death; that is, from the year 176 to 180. This makes the Rescript more than a century later than the date I have affirmed for the Periplus. Anno 63. See supra, p. 57.

GENERAL TITLE OF THE SECTION.

Species pertinentes ad Vectigal,

Which may be rendered, "Particular articles [of Oriental Commerce] inbject to duties [at Alexandria."] Or, if Species be
confined to a fenfe in which it was formetimes used, it lignifies

Spices, gums, drugs, or aromatics. Salmalius shews that the same
term had been applied in Greek: Interior Latinitas species simpliciter dixit, ut Græci, Erapies inter. Actuais inter. P. 1050: And
Dr. Falconer observes from Du Cange: Aromata, velvres quassis
aromatica. Gallis, Epices.—Spices were mixed with wine. Solomon's Song, viii. 2.; and in the middle ages this mixture was called
Pigmentum, the Spicey Bowl; Potio ex melle et vino et diversis
speciebus confecta. Du Gange.—Species is likewise used for the ingredients of a compound medicine before they are mixed. F. F.

ARTICLES of COMMERCE mentioned in the Divest, and in the Periplus of the Erythrean Sea, offigued to Arrian.

A

1. ACixxa. Abolla. P.

Is this term be Greek, it is remarkable that it should not occur in any Greek Lexicon, and if it is Latin (as apparently it is), it is equally remarkable that a Greek merchant of Alexandria, such as

APPENDIS.

the author probably was, should have introduced a Latin ' term into his Greek entalogue; but Latin terms crept into purer Greek writers than our author, and commerce perhaps had adopted thes, as expressing the actual garment which was neither used by, or formerly known to the Greeks. The Roman Abolla was a military cloke', perhaps not unlike our watch cloke. And the adaption of the word is not more firange than the utage of the English in adopting the French Surfout, or the French adopting the English Redisgote (Riding Coat).

2. "AGONOS VOROS XPMILITERIOS.

Single cloths dyed and imitating fome of a Superior or different quality. But fee Salmaf, ad Vopifcum.

"AGenot, according to Salmatius (Plin. Exercit, 1062,) are fingle cloths, the same as aimbides, in opposition to diracides, or double ; but whether this relates to the texture, to the ornaments wrought on them, or the confideration of their being with lining or without, feems difficult to determine. Our weavers call a filk, foot, when the warp is of one colour and the woof of another; and the word "ACONOR may be literally rendered unfhot; but it does not follow that this is an accurate rendering of the term. Homer mentions garments both fingle and double; and Deborah makes the mother of Sifera fay, that

The word Abella is not in Du Cange. Anmoy by Selens the daughter of Cleopaura, was killed by Caligrals, who was a great grandfor of Actury, sum alla de coda que qual edente le monne, la rodlim ip-flansla quilletilla conles luminum fuigure pospures as de unimadierit. Son. Citig. c. 31. It was have wife a gare of the phinterphire, and frames

hat It lis in Meartins, who fays, that the fullowing article dails ought to be read a like. The gender of the aspectives ultil with Allen is adverte to this happilition.

to former second as all quater military clinks he ufflore and men of each. Prolony, for of John, King of Marrianna, grounded of Mr. majors Abolia. January

her fon had perhaps brought home a raiment of needle work, of needle work an bath fider, which is apparently correspondent to the tunick, which Ulysses describes to Penelopé (Od. lib. T. 230). If this interpretation, therefore, should be admissible, "Λειλα χευμέτων may be randered plain elaths of one colour, and vides would express that they were of an inferior quality. But see the term δεκλουμέτως, Diog. Laertius in Diogene, p. 350. Horaca. Duplies panuo patientia velat. And the address of Plato to Arislippus in Diog. Laert, Arislip. p. 67. Σει μένω είδετωι & χλαμόδα φορίου & ράκος. "You are the only Philosopher who can affirm with equal propriety the dress of a gentleman (χλαμόδα), or the ordinary garb (μέκος) of a cynick."

3. Alajaac. Diamond. D. P.

The ancients certainly apply this word to our modern gem the diamond, but use it in a larger sense as we still use adamant, applied to other hard substances. But in the only passing where it occurs in the Periplus, it is mentioned on a coast where diamonds very probably were to be purchased, and is joined with the Hyacinth or Ruby, and other transparent stones.

Theophraftus thought the diamond indestructible by fire, which is now found to be a mistake, F. Many experiments have been tried on this subject of late, and diamonds under the rays of a reflecting mirror, have been reduced to charcoal!

4. Alubanda.

A precious Rone between a ruby and an amerhyft. Dutens, p. 16. But Hoffman renders it toys or trifles. See Colmas, Ind. Munt-

' See Apollouine, Epif. iii. where head is opposed to spine.

fauçon,

fauçon, Nov. Col. Patrum, p. 337. H Tamponer size south in the experience of Marshau, & Marshau Galossou negation, is Kalle Calebrate to Anadardness. Murallo feems to be Marswar, and Kaber the Kaveri; and if pearls are the attribute of Marshau force precious from fhould of course be the attribute of Marshau force precious

5. Axon. D. P.

There are two forts of Aloc, one a bitter cathartic, and another an aromatic, by some supposed to be the fandal-wood. See Salm. Plin. Ex. 1056; but it is, to all appearance, the Agallochum of the Digest, mentioned still under the name of Agala, as an odoriferous wood by Captain Hamilton, at Museat. Account of the E. Indies, vol. i. p. 68. It is probably used by the author of the Periphus in the former sense, as being mentioned on the coast of Oman in Arabia, where the Succotrine Aloe is naturally imported, as the island Socotra itself was under the power of the Arabs on the main, being subject to Eleazus king of Sabbatha, in the neighbourhood of Oman.

It is remarkable, that when the author arrives at Socotra, he fays nothing of the Aloe, and mentions only Indian Cinnabar as a gum or refin diffilling from a tree. I was at a lois to understand what this meant, till I learned from Chambers's Dictionary that the confounding of Cinnabar with Dragon's Blood was a millake of ancient dare, and a great abfurdity. Dragon's Blood is full procurable at Socotra.

6. Amonum. D. See Kard-Amonum.

7. Andpideres. Images. P.

These are mentioned as imported into Oman in Arabia; but whether as merely ornamental, or objects of superlition, does not appear. Dr. Falconer had supposed that these might be images, brought from the East like our China sigures; but they are imports from Egypt into Arabia, and therefore probably Grecian workmanship. See Peripl. p. 16. F. F. & F.

8. *Αργυρώματα, *Αργυρά σπόυη, *Αργυρώματα τετορευμένα. Plate,
Plate polified. P.

These works in filver do not appear to be the beautiful produce of Greek artists, but vessels of plate adapted to the market. By the frequent mention of these articles, they must have formed a considerable branch of commerce.

9. Aprenner. Arfenick, P.

10. Agonara. Aromatics. P.

Drugs in general are comprehended under this term (Sal. Plin. Ex. p. 1049, 1050).

11. Arton. A Species of Cinnamon. See Karola. P.

B

12. Benau. Bdellium, P.

An aromatic gum, supposed to be imported from Africa, but now feldom used '. Salmasius' describes it as a pellucid exudation from

Chambers in voce.

* Plin, Exercit. p. 1150.

the tree to called, not quite clear, of a waxy fubflance, and eatily melted, called by the Portuguese anime; there are three forts, Arabian, Petrano, and Bactrian. It was imported, according to the Periplûs, from Binnagara, or Minnagara [Bekker], in Scindi, and from Barygaza [Baroach] in Guzerat.

The rivan Bhedolahli of feripture, Gen. ii. 12. Num. xi. 7. rendered bdellium, is by the Rabbis rendered chrystal, and has nothing in common with the bdellium of the Periplus but its transparency. The word bdellium seems a diminutive of the bdella used by our author. Pliny, b. xii. c. 9

There are fill found three forts; two African, rather of dark brown hue; and one Africa, answering the descriptions of Salmafins, generally brought to England among parcels of myrrh. There are speceimens of the African fort in the collection of Dr. Burgess.

Belgeron); and oyfters, either he or his translator calls reptiles: he finds them at Katiphan (el Katif). And Schikard interprets bedo-lach, pearls; but fays they are not the bdellium of feripture. Pliny: translucidum, fimile ceræ, odoratum, et cum fricatur, pingue, gusta amarum, citra acorem; aliqui Peraticum appellant ex Media advectum. Lib. xil. 9. or 19 Hardouin. Peraticum is the general term of the Pariplus for any article brought from beyond the Straits of Bab-el-mandeb; or, according to Hardouin, is the sufference ric yes. In Pliny it is evidently a gum; the best fort from Battria, and the inferior species from Arabia, India, Media, and Babylon. It is also a gum apparently in the Periplus. F.

13. Beryllus. D. Beryl, I Signe Marine, Aqua Marina.

Some have militaken it for the cornelian, but the true beryll has the colours of fea water. Pliny, xxxvii. 20. Hard. Probatiffini funt ex its, qui viriditatem puri maris imitantur. It is a gem of great hardness, very brilliant, transparent, and of a green and blue colour delicately mixed, and varying according to the different proportions of either. Dutens.

14. Byffur, Opus Byfficum. D. Byffinon.—Cotton Goods.

I understand there is a work of Dr. Reinhold Forster, De Bysso-Antiquorum.

Г

15. Galbane, Galbanum. D.

A gum from a ferula or fennel growing in Africa, Salm, p. 353. It is an emollient, and used in plaisters; supposed to be derived from the Hebrew chelbena, fat. Exod. xxx. 34. Ecclef. xxiv. 21. Chambers in voce.—" Galen, Dioscorides, and Pliny, describe it "also as the produce of a ferulaceous plant. Babon Galbanum "foliolis rhombis, dentatis, striatis, glabris, umbellis paucis. Linn, "Sp. Pt. p. 364. Little used as an internal medicine; but described a also by Nicander in the Theriaca." F. F.

16. Γίζος. Ζίγες. Γίζ., A species of Ginnamon. P. See Εποσία. Zigeer in Perfick fignifies finall. The smaller and finer rolls of callia were most valued, Dioscorides fays, the best fort was called Gizi, which is a corruption of Zigeir.

17. Ameteria,

Δ

17. Δαιώστια, p. 8. Dicroffia. — Cluths either fringed or friped. P.

Kapani and seconds, according to Salmalius, from Helychius, fignifies the fieps of a ladder, or in another lenfe, the cornice of a wall, or the battlements. But he derives the fame word from siles, to fhave, and interprets siless, locks of hair. Hence cloths, discovered, he fays, are those which have a fringe knotted or twiffed.

But Homer uses the word twice. the Kederus als wigness ignored in his income is a few in the interpretation of Hespehius, the cornice of the wall, or as it may be rendered the step of the parapet, a rim or line running round below the battlements. Not differing, perhaps, from the application of the word as used \$\mathbb{Z}\$ 35, where Homer lays, the ships were too numerous to be drawn up on the shore one line. To pa merchants ignored, they therefore draw them in lines one behind another like the steps of a ladder. Agreeable to the other explanation of Hespehius, or as Apollonius renders it, another explanation of Hespehius, or as Apollonius renders it, another specialization, in stripes it.

^{*} Plim Exercit. p. 762. See Leavey in vorc. * See Apollon Lealers in vocc. 18. Aprolpts.

18. Anvigor. Denarius.—The Roman coin, worth in general denomination nearly 8d. English. P.

It appears by the Periplus, that this coin was carried into Abylfinia for the fake of commerce with firangers, and that both gold and filver Denarii were exchanged on the coast of Malabar against the specie of the country with advantage to the merchant.

19. Adasa, Kirra, Adaso. P.

Are joined in the Periplus with Kaffia, and are improfed to be inferior species of the cinnamon. See Ramusio, in his discourse on the voyage of Nearchus, and Salmas de Homonymiis Hyles latrices, c, xcii. c. xciii. a work referred to by Salmasius himself, but I have not seen it.

20. Ashes. P. Slaves of a better fort and for the Egyptian market.

E

21. "Exercy. Oil of Olives. P.

22. Elédas. Ivory. D. P. Ebur. D.

23. Eudia. Fragrant Spices or gums. P.

Z

24. Zima ommerin P.

Girdles or purses wrought or embroidered. A great commerce throughout the east is still carried on in lathes, ornamented with

^{*} The gold Denarius, according to Arbuthnot, was the furty-lifth part of a pound of gold in the age of Nero.

every fort of device, and wrought up with great expense. Every does not occur in the lexicons, but probably means [haded of different colours.

25. ZiyyıCış. Ginger. D. P.

Not mentioned in the Periplus, but by Salmafius", who fays the ancients knew little of it, and believed it to be the root of the pepper plant. It is applied to a species of cinnamon by Dioscorides (p. 42.), possibly to an ordinary fort from the coast of Zanguebar, and Zingiber itself may be derived from Zingi, the name of the African blacks on that coast.

H

26. Halovo voreyal. Mules for the faddle. P.

Θ

Θυμέσρια μεπρότε. Gums or Incenfe. D. P. Μοκρότε Occurs only in the Periplüs, p. 7. and without any thing to render it intelligible.

Ι

28. 'Ineria Saplapian ayrapa rais Aryberta produces. Cloths. P. For the Barbarine' market, undressed and of Egyptian manufacture.—The Barbarines are the ancient Troglodyte shepherds of Upper Egypt, Nubia, and Ethiopia, very graphically traced and distinguished by Bruce.

" Plin, Exercit. p. 1070.

The west count of the Golph of Arabia.

Τμάτια βαρθασίαα σύμματα γεγναμμένα. Cloths. P. For the Barbarine market, dreffed, and dyed of various colours.

Ίματισμός Αραδικός χειριδωτός ότε άπλθς 23 δ κοιτός 13 σκοταλάτος 13 δυέχρυσος. Cloths. P.

Made up, or coating for the Arabian market.

1. Хириватос. Р.

With fleeves reaching to the wrift.

- 2. O ra ander is à nonde. See ACodo. P.
- з. Екотейсты. Р.

Wrought with figures. From the Latin Scutum, Scutulatus; the figure being in the form of a thield. A dappled grey horse is thus called Scutulatus.

- 4. Auxouses. Shot with Gold. P.
- 5. HONOTENES. P.

Of great price.

6. Nóboc. P.

In imitation of a better commodity.

7. Theoreto repos. P.

Of a better quality, or in great quantity.

8. Harroles, P. Of all forts. 9. Heropera merduma. P. Ezekiel, anvil 24. Eritized miles Polymitorum. Volgate, &c. Paliis Hyacinthinis, Chlamydidne coccineis. Chald. Parap.

Of thicker woof, or larger woof than warp. Q.

29. Ivene paker. P. Indico, Salmai, & Hoffman in voce.

See Pliny, xxxv. 27. Hard, cited by Hoffman, where it is manifeltly indico, used both as a colour and a dye.

30. Irra. Horfer.
As prefents, and as imports into Arabia.

K

31. Kayanger. Kunhamus-Gum Lack. D. P.

According to Scaliger; and Diofcorides calls it a gum. But Salmafius rather inclines to think it a drug like myrth. Lack was used as a purple or blue dye by the Indigo dyers. Indicateon. Salmas. Plin. Exercit. 1148, 1152. Plin. xil. 20. See Pomet's History of Drugs, b. viii, p. 199, who fays gum of four colours was found in one lump. Ele does not hold it to be Gum Lack, but that it has a finell like it; it is found in Africa, Brafil, and Saint Christopher's. Pomet's Specimen was from the West Indies.

32. Kahrie. Kallis - A Gold Coin. P.

According to the Periplus it was a coin of this name current in Bengal, and that the metal was collected from a mine in the neighbourhood. Stucklus fays, a coin called Kalais is flill current in Bengal,

Rengal, on what authority does not appear. Paolino notices the word, but I emnot recal the paffage to my memory; it is called Kalteen in Bengal, or Kurdeen, in the Ayeen Athari at prefent. Al. Ref. vol. v. p. 269.

33. Keellywese. Kardamen. D.

Both the Amontim and Cardamontum are mentioned in the Digett, and are supposed by Dr. Burgels to be the same aromatic, and that amount has the addition of kar, from its refembling an heart, which it does. The doubts of Natural Hifterians on this fubject are numerous, and Salmafius, after much learned difquifition, leaves the question undetermined. (See article Kostamomum.) But the opinion of my friend Dr. B. is this, that the kardamomum differs from the amomum chiefly as to its outward appearance in the shape of the pod or the vessels in which it is contained. The true amomum, he fays, is from Java, its pod is in the shape of a nasturtium, under which title it is described by Pliny, while the kardamomen is in the form of an heart. It is brought from Sumarra, Ceylon, and Africa. The Sumatran approaches nearest that of Java, both in those and flavour, but none of the forts are equal to the favant the flavour is aromatic, warm, and pungent, in which qualities it is resembled by all those species which take the addition of amornim, and I have been favoured with specimens of all the different forts by Dr. B. Theophraftus fays both come from Media; others derive them from India. Martin Virg. eclog. iii. 89. Allyrium amomum, equivalent to Median. Galen fays it is confiderably warm: 9 sping durantus inavis. Stephan, in voce. The Kordinaupov edier und eigupariudreger, wir Bepube deraphies erbeiereigne. Stephan.

in voce. Warmth and pungency are therefore the qualities of both, and the difference in degree accords with the two specimens of Dr. B. Whether the Greeks first found these in Media and Assyria, er whether there were aromatics in those countries resembling those of India, may still be doubted. The Greeks called cinnamon the produce of Arabia, till they but a knowledge of that country themselves.

Murray, vol. i. p. 65, doubts the origin of the name; for he fays, "The Indians call it cardamon, but thinks it very dubious, whether the cardomum of the ancients be the fame. The pericarpium of the loffer cardomum has obscurely the shape of a heart. Lewis fays it is described in the Hortus Malabaricus under the title of "Elettari." F. F. What is added must compel me to retract my supposition, that amonium expresses warmth and pungency. "No- tarunt viri docti ausque Maranto, thus esse et sincerum et incul- patum, veteresque apaque vocasse omne aroma quod purum et non vitiatum esset. Bodens a Stapel. Theophrast, p. 981. Stephan, "in voce, "Ausques," E. F. But in Stevens I find Albares apaquirus, and not apaque Marantom.

If the opinion of Dr. Burgeis be right, which feems highly probable, and this aromatic be found only in Java and Sumatra, or perhaps in Ceylon, it argues in favour of the Periplus, which is filent upon this fulfiect; for the veracity of the merchant is as much concerned in not noticing what he had not, as in describing what he had feen.

34. Capille Indici. D.

35 Kapparis. Karpafus-Fine Muffins. D. P.

Opposed to ordinary contons: It is remarkable that the native Shanfkreet term is Kurpaji, as appears by Sir William Jones's catalogue. Affat: Ref. vol. iv. p. 231. Calcutta edition: But how this word found its way into Italy, and became the Latin Carbains (fine lines) is surprizing, when it is not found in the Greek language. The Karraine Affar of Paulanias (in Atticle), of which the wickswas formed for the lamp of Pallas, is Affector, so called from Karpaios, a city of Crete. Salm. Pl. Exercit. p. 178.

Carbaio Indi corpora usque ad pedes velant corumque rex aurea lectica margaritis circum pendentibus recombie diffinchit auro et purpura carbaiis qua indutus est. Q. Currius, lib. viii. c. q. 4:—I owe this passage to Mr. Falconer, and think it may confirm the reading of Salmatius of Lucius passage papparaise, for Latine Ecopyletise. Peripl. p. 34. So Lucan also, Phari, iii. 239.

Fluxa coloratis affringunt carbafa gemmia. F. Karpefium is a medicinal juice. Diofcor. A polifonous juice. Galence It is a fubfiitute for cinnamon, or a species of that spice. "Arel Kurspinger Kapture. And Artl Karapajar Karia; it divisor à Experience. The different species are unknown. Salmatap. 1306.—Has Kapture any reserves to the Kapture of Herodotus?

36. Kazvopunkov. D. Garafalo, It Girofie, Fr. Clon de Gi-

Our English clove is probably from clou, a nall, which the clove retembles, but not without a possibility that it may be a contraction of girofle. The garyophyllon of Pliny is not the clove. F. F. The clove is a spice of the Moluceas, which is the reason that the Merchant

Merchant of the Periplus did not fee it or record it; neither do I find it in the catalogue of Diofeorides (Matthioli) as an Oriental spice. It should seem therefore from Pliny, the Periplus, and Diofeorides, that this spice was not known early to the ancients; and the reason was, because they did not go farther east than Ceylon. Salmasius, however, is of a different opinion, as I learn from Dr. Falconer, who cites his work, De Homonym, Hyles latric, c. 95.—which I have not seen s

Vidit Plinius Caryophyllon quale apud nos frequens vilitur cujus in fummo clavi capite rotundum extat tuberculum piperis grano fimile, sed grandius et fragile, multis veluti fibris intus refertum: Calicem floris effe volunt adhuc conniventem, et nondum apertum, videtur existimasse Plinius esse fructum ipsum pediculo suo insidentem et inhærentem, nam clavus elle plane ligneus, et firreult inftår habere ei vifus eft. . . . , Caryophyllum ad condimenta olim uforpatam ut piper et coftum, &co. . . oftendour apicii excerpta ; . . . qued dixis Plinius de odore Caryophyllorum fidem facit non alia fuille ejus setate cognita quam qua hodie habentur, &cc. Dr. F. is not convinced by Salmainta, and his doubt is well founded. F. F. Colmas mentions the Euleraseponales at Ceylon, and Hoffman (in voce) informs us, that the wood of the clove-tree is now ufed in odoriferous compositions and unquents. It is a circumstance in fayour of the veracity of the Periphas, that the Merchant has not recorded this spice; and of Cosmas, that his friend Sopatrus faw only the wood. An hundred years later than the Periphus, it had found a place in the Digeft : the cullom-house at Alexandria reerived not the imports of one merchant only, but every thing that found its way by any conveyance from the Eaft. It ought not to be omitted, "that caryophyllon is pollibly not derived from the Greek; for the Turks use the term Kalasur, and the Arabe, Ka"rumsel, for the clove." Nieuhoss. Leg. Batav. vol. ii. p. 93. F. F. Still it may be inquired, whether the Arabic karumsel may not be borrowed from the Greek karuophyl: many Greek terms for plants, drugs, &c. adopted by the Arabs, are noticed by Salmasius.

37. Karçin. Kafla, D. P.

This spice is mentioned frequently in the Periplos, and with various additions, intended to specify the different sorts, properties, or appearances of the commodity. It is a species of cinnamon, and manifestly the same as what we call cinnamon at this day; but different from that of the Greeks and Romans, which was not a bark, nor rolled up into pipes like ours. Their's was the tender shoot of the same plant, and of much higher value, sold at Rome in the proportion of a thousand denarii" to sifty; it was found only in the possession of Emperors and Kings; and by them it was distributed in presents to favourites, upon solemn occasions, embassies, &c.

That it was the tender thoot, and not hollow, may be proved from Pliny, lib. xii. 19, where he informs us that Vefpafian was the first that dedicated crowns of chinamon inclosed in gold filagree (auto interrafili) in the Capitol, and the Temple of Peace; and that Livia dedicated the root in the Palatine Temple of Augustus; after which he adds, that the casta is of a larger fize than the cinnamon (crashore farmento), and has a thin rind rather than a bark, and its value confilts in being bollowed out (exinaniri pretium ell). He adds, that the best fort has a short pipe of this rind or coating (brevi tunicarum

· Pany

fillula et son fragili, lege et fragili); this Cafia is manifellly a Cinnamon, and by confulting the two chapters of Dioicondes on Cafia and Cinnamon, the best casia called Daphnitis, at Alexandria, is doubtless the same. Matthioli, p. 42; and again his cinnamon is, " fottile di rami," a very fine spray, with frequent knots, and smooth between the joints. Salmalius cites Galen, who compares the Karpalimm rate Krempung augment, to the extreme thoot or forzy of cinnamon, and suppose is to peculiarly expressive of this, as to remove all doubt, (p. 1304, Plin. Ex.) but if our cinnamon is the ancient cafia, our cafia is again an inferior fort of cinnamon; both are known to our druggifts and grocers; and fince the conquest of Ceylon, the duty is lowered on our cinnamon, and raifed on our calia. The reason of which is plain; because the true and best cinnamon is wholly our own by the possession of Ceylon, and casia is procurable from Sumatra, and feveral of the eaftern illes. (See Mariden's Sumatra, p. 125.) It is plain, therefore, that we adopt cinnamon for the caffir of the ancients, and caffa for an inferior cinnamon. Whether the cinnamon and calla of the ancients were both from the fame plant, may be doubted; for there are different species even of the best forts, as we learn from Thunberg; but that both had the fame virtue, though not equal in degree, we are affored by Galen, who informs us, that two parts of calia are equal to one of cinnamon. (Matthioli, p. 46.) And Galen examined both when he composed the Theriac for the emperor Severus.

I am confirmed in the opinion I had formed by Dr. Falcener, who (after citing Linnaus, Combes, Philof. Tranfact, 1780, p. 873-3 Doffie's Memoirs of Agriculture, p. 202.; Solander; Thunberg, Vet. Acad. Hanbl. 1780, p. 56.; and Murray, Apparat. Med. vol. iv. pp. 441, 442, edit. Gotting. 1787) writes thus: "I myfelf compared

" compared two bundles, one of casis and another of cinnamon, and in presence of all the physicians and surgeons of the Ge-" neral Hospital at this place [Bath], and none of us could find any " difference in the fize of the pieces, in the taile, flavour, colour, " or finell of the different articles, either in quality or degree." These are the two species as now diffinguished; that is, the sinuamon of Ceylon, and the cafia (fay) of Sumatra. He then unds : " Perhaps it may be true that the finall branches were called cinna-" mon [by the ancients], but the difference between that and caffa " was finall. Galenus palam prodit (inquit Matthiolus in Diofco-" ridem) calliam fepenumero in cinnamomum tranfinutari, fate-" turque se vidisse cassia ramulos omni ex parte cinnamomum refe-" rentes, contra pariter inspexisse cinnamomi furculos cassia: prorsus " perfimiles. Matthiol. Diofcor. p. 34. he fays, the flicks of cin-" namon are not in length above half a Roman foot; and Diofco-" rides, in Matthioli's translation, ules the words tenuibus rumu-" lit." F. F. See also Larcher, Herod, tom, iii, p. 375, who supposes that the excess of price in the spray, was occasioned by its eauling the destruction of the plant when so cut,

This fort we must first consider, because they themselves applied the name improperly, having it derived, by their own account, from the Phenicians", and giving it to the same production, though in a different form and appearance from that by which it is known to us.

The kinnamonum of the Greeks and Romans was necessarily derived from the Phénician ", because the merchants of that country first brought it into Greece. The Greeks themselves had no direct

^{**} Herodotte, lib. fil. p. 252. ed. Well. by Larcher, of turning the Phonisius into a ** Ser a curious militake of Phonis noticed phonis. Tom ill. p. 349.

communication with the east; and whether this spice was brought into Perlin" by means of the northern caravans, or by fea into Arabia, the intermediate carriers between either country and Grocewere of course Phenicians. It will therefore be no difficult matter to prove that the Phenician term expresses the character we have, and not that indicated by the Greeks and Romans. The term in all thefe languages fignifies a pipe; for the Hebrew rup khench is the Latin canna; and Tyrinx, fiftula, carmella, and cannelle, convey the fame idea in Greek, Latin, Italian, and French: The Hebrew term occurs in Exodus, xxx. 23, 24, joined with caffa, as it is almost univerfally in the writings of the Greeks and Romans. It is flyled Sweet Cinnamon, and is written oba pap", khinemon belom, the fweet or fweet-fcented pipe; and the word rendered Cafia by our translators" is my khiddah, from khadh, to fplit or divide longways. These two terms mark the principal distinctions of this spice in all these languages; as khinemon belem, Hebrew; cafia fyrinx, Greek; cafia fiftula", Latin; cannelle, French; and

Selm. Plin. Ex p. 540. Certe cain commission ex fincia quantital lecture quantità diversant fit genus. Id. p. 1056. This coveration is not of very modern fate; for Salmaine adds, Ut mount at mes has trecentes et amplius annex, callem addient Larinis diffuse, cam que pung addient habet. See also Ramain, vol. 1. p. 181.

Mr. Falconer doubts concerning the caffa fibula, but acknowledges that Bodam on Theophraftus, p. 203, is of a controry opicion. F. I cannot help thinking that the authorities here produced, in confusing to Bodaus, man preponderate.

[&]quot; By Periis is meant the whole empire.

The whole 30th chapter is worth confuling on this curious fubject, as it proves that many of the Oriental fpices and odones were, even in that early age, familiar in Egypt.

If from this chapter of Exodus we prove that character was known to the Hebrews in the age of Moder, we have a fectual proof of its being afed in the embalament of the mommics from Dindorns, lib. i. at. ton. i. p. 191-Larcher, ton. ii. p. 334

The call fiftule of the modetas is a drug totally diffind t it is a species of fema which comes from the Levant, Egypt, firefit, and the Actilles, and is a corruption from Access.

in the fame manner the inferior fore is khiddah, Hebrew; xylo-

Whether the Greeks and Larins derive their term from the Fiebrew khine-mon ", or from the compound khench-amomum, is not fo easy to determine; for amomum is a general term " for any warm drug or spice, and kin-amomum, in this form, would be again the spice-canna, the casia fistula under another description. But that the casia fistula and the casia lignes are marked as the two leading diffinct species, from the time of Moses to the present hour, is self-evident. And I now say, that if the Romans applied the term Ginnamon to the tender shoot of this plant, and not to the pipe cinnamon, such as we now have it from Geylon, their use of the word was improper. That this was the case, there is reason to think; but that there was some obscurity or suctuation in their usage, is certain also.

Salmafius" quotes Galen to prove that the plant itself was brought to the emperor Marcus Aurelius, from Barbarike", in a case seven

"This former is difficient marked in the Roman Law do publicatio, leg. voi. D. Cafarfgring. Xale catio. Salms 1025; id. in Canadais Salomonia, Nantan, Crocar, Fribal commonweal. It is called 2225, 1984. Hard Calle,

m the Periphia

"1000 is from 7100, a reed, canna, and the termination doubtful, but probably from 10 1100, peculiar. It is in this feate that 7100, manne, figuries the food from Herse con) the possing food or bread. And hence 107110, the peculiar canno, by way of pre-eminence. Parkhard designs a not from 7100, manne, but from 7100, thusing to fined itroug, but he allows there is no fact such in Fighter.

I cannot help thinking that DUI TIDkhapnels before, and DUI IDID, khapemon before, have the fame root. The invertebrane, the faces khapemon. Notwichtlanding khoulach before is rendered calami odurites, the freet caleman, it is certainly not technically the caleman aromaticute.

- Salm 401.

" Pint, Ex. p. 1304. Galen de Antidotis,

Burbariae is pashapa not a proper stame, but the past frequented by the Barbara of Adel or Mofgillor. It is the mart in Scindic but whether Patria or Minusgara, is difficult to determine. feet long. Calen faw this, and there were other cales of a fmaller fize, containing frecimens of an inferior fort. | This, therefore, must be in a dry flate; but this he fays was the true cinnamon. Undoubtedly it was, for the plant itfelf, and the spice, as we have it, in its usual form, have this difference and no more. But Galen fays, in another paffage ", that cafia and cinnamon are fo much allke that it is not an early matter to diffinguish one from the other. And Diofeorides writes, " Cafia grows in Arabia; the best fort is " red, of a fine colour, almost approaching to coral, firait, long, " and pipy, it bites upon the palate with a flight feathtion of heat, " and the best fort is that called Zigir, with a scent like a role." This is manifelly the cincamon we have at this day; but he adds. " cinnamon has many names, from the different places where it [is " procured or grows. But the belt fort is that which is like the " cafia of Mofyllon, and this cinnamon is called Mofyllitic, as well " as the cafia." This therefore is only a different fort of the famo ipies, but it does not grow either in Arabin or at Mofyllon, hit took its name from either country, as procured in the marts of either. This traffic is explained in the Periphis, but Dioferrides was unacquainted with it. 'The description's he gives of this chrommon is, " That when fresh, and in its greatest perfection, it is of a dark " colour, fomething between the colour of wine and [dark] arb, " like a finall twig or fpray full of knot, and very odoriferous." This is manifelly not our cinnamon, but the fame as Galen's, the tender floor and not the bark. It is worth remarking that Dinfcorides lived in the reign of Nero", and if the true fource of clisma-

of this is from Russians.

[&]quot; See Liercher's whole Differentian, town III. Hoffman is rocci-

Sec Ramullin will in 1285. The whole pure the in equally indebted to Malmalina ar myfelf.

mon was then just beginning to be known by means of the navigation detailed in the Periplus, this knowledge had not yet reached Atia." Minor or Rome. Pliny who lived a few years later hall just acrived at this information, for he tays expressly, Mosyllon was the port to which cinnamon was braught.", and consequently the port where it was procured by the Greeks from Egypt, and through Egypt conveyed to Rome. It had long been procured there, and long obtained the name of Mosyllitic, but it was now known not to be mative, but imported at that place.

The trade to Mofyllon was opened by the Psolemies; ftill, before the existence of a Grecian power in Egypt, the Greeks had probably little knowledge of it, but from the importation of it by the Philipicians; and the Phenicians received it, either by land-carriage from the Idumeans of Arabia, or when they navigated the Red Sea themfelves with the fleets of Solomon, they obtained it immediately from Sabea; perhaps also, if Ophir is Sofala on the coast of Africa, they found it either at that port, or at the others, which the Greeks afterwards frequented. These lay chiefly in Barbaria, (the kingdom of Adel.) comprehending the ports of Mofyllon, Malso, and Mundus, where it was possibly always to be met with. This commerce indeed is at belt only conjectural, neither could it be of long duration, as it ended with the reign of Solomon, and was never refumed; but that the Phenicians had a fettled intercourse with Sabea we learn incontrovertibly from Ezekiel", and that Sabêa was the centre of Oriental commerce, is proved in our account of the Periples.

^{*} Diologistes are a paties of Amanarba 1 * Fortes Moiyllitas quo communum &Eut shirthes his wrote there as at Bome, I writer. Lib. vi. a. 29.
have not been able to different. "Cop. axvil. v. 23. Sheha is Sabia.

It is this circumflance that induced all the early writers to impute the produce of India to the foil of Arabia; an error which commenced with the first historians extant, and which existed in history till the age of Pliny, and in poetry almost to the prefent hour. Fable is the legitimate progeny of ignorance; we are not to wonder, therefore, when we read in Herodotus?, that calla grew in Arabia, but that cinnamon was brought thither by birds from the country where Bacchus was born, that is India. The term used by Herodotus indicates the cinnamon we now have; for it figuilies the peel, hall, or rind to of a plant, and evidently points out the bark, under which form we flill receive this spice. The error of Herodoms is repeated by Theophraftus, who affigus both cafe and cinnamon to Arabia 13: this intelligence I roccive from Bochart; and I am obliged to him also for a very curious citation from Uranius, in Stephanus de Urbibus, who fays, the country of the Abafenes produces myrrh, aromatic gams or oddurs, frankingenie, and the bark [of cionamon . This passage is valuable as the first instance extant in which the name of Abyllinians is mentioned. But it is not to be depended on, unless it can be referred to the conqueits of that mation in Arabia, for these Abaseni are evidently joined with the Arabians of Sabea and Hadramaut.

But whatever errors are to be found in abelent authors, relative to the production of spices in general, and cinnamen in particular,

The W. P. 252 ed Well and penger Jours Al Ref. iv. 110 115where he mendama a fourter table of terpests. which grant the must been to

and hance the dep built, peel, or thellad a plant

Bertiert, vol. L. p. 165 Bie William cotton.

If H year on Alberta Charles I lived 2-3 at hall at KEPHASON Doctor. S Reading from English scattering to draw out U p. 100. Riperior is properly the Ray-See of Hessistan, unless at in a falle waiting for Edgesin or Kagnerse, use of the types for amounted as with a

still that they found their way into Egypt, Palestine, Greece, and all the countries bordering on the Mediterranean, in the cartiest ages, is a fact. This admits of proof from the thirtieth chapter of Exodus, and we have traced the course of their introduction in the preliminary disquisitions of the first book.

We may now, therefore, proceed to examine the various forts of this spice mentioned in the Periplus, which amount to ten; and very remarkable it is, that the modern enumeration of professor Thunberg should comprehend just as many species. Not that it is to be supposed the species correspond, but the coincidence of number is extraordinary. It is worthy of notice also, that cinnamon is a term never used in the Periplus; the merchant dealt only in casia; cinnamon was a gift for princes. There is, even in this minute circumstance, a presumption in favour of his veracity, not to be passed without observation.

It has been already mentioned in the account of Ceylon, that the ancients, who first reserved this spice to Arabia, and asterwards to the cinnamomisera regio in Africa, as supposing it to grow in those countries because they procured it there, never mention it in Ceylon. I think, with Sir William Jones, that this is one of the obscurest circumstances in ancient commerce. Can we conceive that it grew there in any age, and was afterwards eradicated? or must we not rather conclude, in conformity to the suffrages of all the moderns, that there is no genuine cinnamon but that of Ceylon, and that the commerce itself was a mystery? The first author that mentions cinnamon in Ceylon is the Scholiast on Dionylius Periegetes; at least I have met with no other, and I mention it to promote the inquiry.

the are last and a right of the his

The ten forts in the Periplus are,

E. Morudatturi. Mofflitick. P.

So called from the port Mofyllon, where it was obtained by the Greeks from Egypt, and whither they always reforted, from their first passing the Straits of Bab-el-Mandeb. It was the casia fistula; the fame as we now have from Ceylon, and imported at Molyllon directly from India, or from the Arabian marts on the ocean, which were rivals of the Sabeans. It is mentioned by feveral authors as the bell fort, or inferior only to zigeir, and therefore could not be native: there is indeed cinnamon on the coast of Africa, but it is hard, woody ", and of little flavour. The regio cinnamomifera of Ptolemy bears no other fort but this; he places this tract at the boundary of his knowledge, that is, between Melinda and Mofambique; and if it is in any way entitled to the name, it cannot be from its own produce, but on account of the importation of the fpice from India; the traders who found it there, might suppose it native, in the fame manner as the early writers speak of the Mosyllitic, and which (as has been already noticed) Pliny first mentions as imported. The Mofylline species is rarely called cinnamon by the ancients, but casia only. Their cinnamon was exhibited as a rarity, like that of Marcus Aurelius before mentioned. Antiochus Epiphanes" carried a few boxes of it in a triumphal procellion; and Seleucus Callinicus presented two minæ of this species, and two of calia, as the gift of a king to the Milelians. The calia, or modern

NEE

A Seven different forts Oriental, and two flavours. It and was well to the chareflet of

" Atheneus, lib. v. p. 195. lib. lib popus

cinnamon

American, I have four in the collection of subspaces.

Dr. Burgelle, and an African species, which is not a back, but a more flick, with little

cinnamon was found formerly in Java, Sumatra, and the coast of Malabar; from the coult of Malabar it found its way to Africa and Arabia; but when the Dutch were mailers of Cochin", they deftroyed all the plants on the couft, in order to feature the anonopoly to Ceylon; and none is now met with on the coult, but an inferior wild fort, used by the natives, and brought femetimes to Europe for the purpote of adulteration.

2. Pigue, Ziyue, Pig., Gineir, Zigeir, Cini, P.

This fort is noticed and described by Dioscorides, as aiready mentioned; and to his description I can only add, that zigeir, in Perfian and Arabic, as I am informed, fignifice fault". The fmaller bark must of course be from the smaller and tenderer shoots, which is fill effeemed the beft; the harder and thicker bark is out and made to roll up in imitation of this, but is inferior, though from the fame plant. "This at least is supposed; but I do not speak from authority.

3. 'Asson. Afaphe. P. Afyphemo in Matthioli, p. 42. Perhaps for Anugator.

This term, if not Oriental, is from the Greek asupates, simplicios, fignifying cheap or ordinary; but we do not find aluphe used in this manner by other authors; it may be an Alexandrian corruption of the language, or it may be the abbreviation of a merchant in his invoice.

" The Dutch are scenfed of this by their any where but is Crylon. rivale, as well as diminifhing the growth of natures, Ser, in the Malines Illands. But I offere in the account of Hugh Boyd's Em- whether the Greek term eagle be not a mybally in Ceylon (Ind. Assum Regiffer, 1299). an affertion, that the true changion weres grew

" A doubt this relation at the force time 1 morice it , but as inquiry might Hill be made, reption of gues4. Apagan. Arema. D. P.

Aroma is the general name for any warm spice or drug; but it is twice inserted in a lift of casias, and is therefore probably a species, as well as the others. It would intimate an aromatic smell or flavour, and is possibly one of superior quality. It is remarkable that Moses uses the same term of sweet-scented cinnamon.

5. Mayan. Magla. P. A species unknown.

6. Meral, Mott. P.

7. Σκληφοτερά. Scherotera. D. P. Xylo Caffia, Wood Cinnamon. Di From the Greek Σκληφός, hard. This is a term which occurs frequently, and perhaps diffinguishes the casia lignea (wood cinnamon) from the casia fishula (cannelle or pipe cinnamon): it may, however, signify only a hard and inferior fort, in opposition to brittleness, which is one of the characters of the superior species.

8, 9, 10. Araxa, Karra, Araxe. Docara, Kitta, Dacar. P. Dacar is noticed by Dioscorides, Matthioli, p. 42. and Moto by Galen. F.

All unknown. But Salmafius, and other commentators, agree in fuppoling them all to be species of the same spice.

Under Cailia, in the Digeft, are mentioned,

1. Turiana vel Thymiomu, and

2. Xylo Caffia.

Turiana

Turiana and Thymiama are expressions for the same thing in Latin and Greek-Incense. Kasia was mixed perhaps with incense in the temples, as well as other aromatic gums and odours. See Heffman in Thymiama. But Dr. Falconer supposes these not to be different species of casia, or mixtures with it, but simply thus and thymiama; which, however, xylo cassia seems to contradict. He thinks also, " that turiana may be the laurus cassia which grows in Spain, on the river Turia or Guadalavlar,"

" Floribus et rofeis formolus Turia ripis." Claudian de Laudibus Serence, 72.

These are the ten forts enumerated in the Periplûs ". Professor Thunberg, who vifited Ceylon in his voyage from Batavia, reckons ten forts likewife. Four of nearly equal value and excellence; three that are found only in the interior above the Ghauts ", in the government of the king of Candi; and three which are not worth gathering. The most remarkable which he mentions are:

The raffe or penni-curundu, honey cinnamon, and capuru curundu, or camphor cinnamon, from the root of which camphor is diffilled; this last is found only in the interior. The cinnamon for the European market was collected in the woods by the natives employed in the Datch fervice, but has fince been planted on the fandy downs on the coast. These plantations, belides their convenience, are fo thriving, that the practice is likely to be continued. Can I conclude this account without observing, that this rich and

"I use the term improperly, but Coylon partities of the nature of the continent-the

"Two other forts may be collected from could it a level, the interior is high and table and All above the mountains is till poffeled by the king of Cardi ; the Datch had, and Bogliffs live, only the coult.

" See Knox's Hillory of Caylon, p. 16.

valuable

Gairn : Asshor and Traphone. Larence, Hemd. ml.iii. p. 347.

valuable island is now in the possession of the English; and without a prayer, that the commerce may be conducted on more liberal principles, and the natives treated more generously by them than by their predecessors? The knowledge which the ancients had of this island is treated at large in the Sequel to the Periplia; and it is to be hoped that the present governor, Frederick North, whose mind is stored with ancient knowledge, and whose attention is alive to modern information, will communicate his researches to the public.

I have only to add, that the Sanskreet names of this spice are Savernaca and Ourana, as I learn from the Afiatick Researches, vol. iv. p. 235; and that Salmasius mentions Salihaca as the Arabic appellation, which he derives from the Greek Sology, lignea, or woody (p. 1306.), but which, if I did not pay great respect to his authority, I should rather derive from Salike, the Greek name of the island in the age of Ptolemy.—I have now only to request that this detail, too profix for the work, may be accepted by the reader, not as the natural, but the classical history of cinnamon.

and the state of t

By R. Kunristeer Tin. P. Caller and School of the Control of

Tin is mentioned as an import into Africa, Arabia, Scindi, and the Coaft of Malabar. It has continued an article of commerce brought out of Beltain in all ages, conveyed to all the countries on the Mediterranean, by the Phonicians, Greeks, and Romans, and carried late the Eaflern Ocean, from the origin of the sommerce. It is only within their few years it has found its way into China in British vellels, where it is now become an article of such magnitude, as greatly to discluding the quantity of specie necessary for that market.

39. Karru-

39. Katroliesin, Harpotaniya, Kallahira. Kattyburini, Patropapige, Kabalitè. Peripl. p. 28.

Different species of mard. See Nages, P.

40. Καινώναι απλοί ε πολλύ. Kaunakai. P.

Coverlids plain, of no great vlaus (or, according to another reading, Met many), with the nap on one fide. Hefyelius and Phavorinus, cited by Hudfon.

41. Gerausium. D. A gem.

Salmafius fays there are two forts:

1. A pure chrystal.

2. Another red, like a carbuncle.

He thinks the chryftal to be the true ceraunium; and that Claudian is militaken when he writes,

Pyreneifque fub antris Ignes fulmineze legere Cersunia nymphæ.

42. Kohnedichusta. Kolandiphonta. P.

Large thips on the coast of Coromandel, in which the natives traded to Bengal and Malacca. They had vessels also called fangara, made of one piece of timber, which they nied in their commerce on the coast of Malabar. The monoxyla of Pliny were employed in bringing the pepper down the rivers to the coast. Lib. vi. 23.

43. Kegaron, Coral. P.

44. Kerres". Coffus, Coffum. D. P.

Is confidered as a spice and aromatic by Pliny, lib. xii. c. 12.

" It is worthy of crairs, that in the cause the Mileform, there found he this diffinction; were nine of gifts made by belowing Callindon to Principles - 10 talents

It is called radix, the rise, preseminently, as nard is flyled the leaf. Coffus being, as we may suppose, the bell of aromatic, rests, as nard or fpikenard was the belt of aromatic plants. This fuppolition explains a much-disputed paffage of Pliny. Radix et folium " India eft maximo prerio: the (root) coffus, and the (leaf) fpikenard, are of the highest value in India. Rudix coffi guitu fervens, odore eximio, fruite alias inmill; the root of the coffus is hot to the talle, and of confirmmete fragrance; but the plant lifelf, in other respects, without use or value. It is found at the head of the Patralene, where the Indus first divides to inclose the Delta; of two forts, black and white, the black is the inferior fort, and the white bett. Its value is factors densell ", about twelve shillings and eight pence a pound:-Thus having diffeuffed the coffus or root, he proceeds to the leaf or plant: De folio nardi phira dici par eff; but of this hereafter. It is here only mentioned to give the true meaning of the paffage.

This root is faid, by Salmatins, to grow in Arabia as well as India; and I do not find that it has acquired any European name, rhough it was formerly much used in medicine, and called the Arabian, or true collus. It is confounded by Cothofred, first with costamonum, which he derives from Mount Amanus, and secondly, with cards-

Marrie - i relient-Cont - i possible Contenue - i possible Colles

The region is qualified frankinsonic and aggrets were procurable in Archive, which himdered on his man hingdom, "Critica community, and coffun, were East Linds communities, See Chimol. Artiq. And 19 14.

the Beat in India to this Pay. See Hechelot

to the confidence of the property of the control of the confidence of the property of property of the control of the confidence of the control of the contro

Piley has applied the had go to older to the word, and then confirmed discord proporting of the band with it. See Figure

W. The numbers in Plipy are delines.

momum-

momum. (See Salm. p. 400. & feqq.) I have supposed that amomum, as it is found in cinn-amomum, carda-momum, and costamomum, implies the warmth and gentle pungency of an aromatic; for the amomum itself, if we know what it is, is of a hot, spicy, pungent raffe. (Chambers's Dict. in voce.) But Salmafius and Hoffman feem to trace it to a Greek origin (apanes, inculparus), and to fignify unadulterated. They apply it likewife to momia or mumis, because the amonum was particularly used to preserve the body from puttefaction. It was found in India and Syria, but the beft in Arahia (imported?). The Arabian is white, fweet, light of weight, and fragrant; the Syrian is heavier, pale, and firong fcented. Gothofred, from Ifid, xvii. 9. Diofcorid. lib, i. c. 14. Plin. i. 2. and xii. 24. Dioleorides fays it grows in Armenia, Media, and Pontus, c. 14-; but the whole account is very dubious; all fpeak of its warmth and pungency; but let us apply this to the coffus, which, in regard to its unadulterated flate, and its qualities, is fill much queftioned; its properties are-" I. Fragrance: Odorum caula unquentorumque " et deliciarum, li placet etiam superstitionis gratia emuntur quo-" niam thure supplicamus et costo. Plin. xxii. 24. Costum molle at date et blandi mihi thuris odores. Ure puer coftum Affyrium " redolentibus aris. Propert, lib. iv. Dasges syno and glams or pay-15 Diof.-II. Pungency; both colles and coffamomum are faid to " he of a warm, pungent quality; These we do vot doquester was Depung " pringer converes an draperes, Galen. Guthu fervens, Pliny,-It is " mentioned in the Geoponica, as one of the ingredients for making " the spiced wine, called maraness. Lib. vii. c. 13. But the best " writers on the coltus of the ancients think it is not afcertained." F. E. Pleudocoffm nafcitur in Gargano Apulia monte.- Of the coffus brought from the East Indies there are two forts, but feldom more

more than one is found in the thops, coffus dulcis officinarum: this root is the fize of a finger, confills of a yellowith woody part inclosed within a whitish bark.... the cortical part is brittle, warm, bitterish, and aromatic, of an agreeable smell, resembling violets or Florentine orris. New Dispensatory.—It always contracts a bitternels, and grows black by keeping, which probably accounts for the white being more valuable (as Pliny says), because it is fresh. M. Geoffroi, a French academician, mentioned under this article in Chambers's Dictionary, considers it as the European elacampane root, which, he afferts, when well fed and prepared, has the properties of the Indian aromatic.

Coffus corticofus, bark coffus, has a fcent of cinnamon.

45. Kumegor, P. Cyperus.

An aromatic rufh. (Plin. xxi. 18. Matthioli in Diofcor, p. 26.) It is of use in medicine. The best from the Oasis of Ammon, the second from Rhodes, the third from Thrace, and the sourth from Egypt. It is a different plant from the Cypirus, which comes from India. See Hoffman. Chambers.

A

46. Aadayer ". D. P.

A gum or refin, from a plant called leda, lada, or ledum, a species of cittus. It is of a black colour, from Arabia; the East India fort is very heavy, and like a grit-stone in appearance. Dr. Burgess

" Herod. Uh. iii. p. 253. where he fays, grant, odorific gum. See Largher, Hirod. it is collected from guars' heards; a mult fra- som iii. p. 350-

informs me that it is adulterated with pitch from Pegu. It is collected in Crete from the beards of goats. Plin. xxvi. 8. And Tournefort faw it obtained from the thongs of whips lathed over the plants in the fame illand. It is likewife obtained by a bow-firing bound with wool, to which the lanugo adheres. F.

47. Adans xpopularoce. Laccus. Coloured Lack. D. P.

Is a gum adhering to the fmall branches of trees, happofed to be deposited by an infect. When taken off and melted it is reddiff, formed into granulated feed, in which form it is used as lack for japanning; or into shell-lack for feeling-wax. Pomet. b. viii, p. 200.

A dye of the red purple (according to Ramulio, pref. to the Periplus, lacco de tingere); but Salmalius, Plin. Exercit. p. 1160, fays it is a cloth of this colour.

48. Lafer, Benzoin. D.

"This appears to be the filphium found in Syria, Armenia, and Africa Diofcor. iii. 79. Lafer ell liquor feu lacryma, Græcia "Acorpor, Latinis lafer nominatur. Matthioli, Diof. in voce. That is the infpillated juice. The flalk was called filphium; the root, "magugdaris; the leaves, mafpeton. Theophraft. vi. 3. The Estampus exposer eleaves, mafpeton. Theophraft. vi. 3. The Estampus exposer eleaves, mafpeton. Theophraft. vi. 3. The Estampus end faid to be taken largely by fome, but with caution, because it was apt to remain long in the body of those unacturated in the condiments of the table; Porcus lafaratus, threads lafaratus. Perfumes were formerly used in England with meat; the nobility were made firk with the perfumed viands of "Cardinal Wolfey." F. E.—The country most lamous for producing

it was Gyrene in Africa, where it was to much a flaple commodity. that the Cyrenian coins were marked with the lilphium. It is now brought from Siam and Sumatra; is used in medicine and cosmetics. See Chambers in voce, and Gothofred, who cites Columella, vi. 17-Hid, avii. q. It is vulgarly called Gum Benjamin. Pliny mentions it inter eximia naturæ dona, xxii. 23.

49. Airria. Linen, from the Letin lintea. See Juarious,

50. Alexen Frankincenfe . D. P.

51. Albane & megatikie. From beyond the Straits of Bab-el. Mand-ch. P.

A gum or refin fufficiently common in Europe ftill; originally introduced from Arabia only, and used by the nations on the Mediterranean under the denomination of thus and libanus which are fynonymous. Its name is derived from 127, laban, white, Heb. and 1217, Johan, Arabic, because the purest fort is white " without mixture. See Bochart, tom I. p. 106. Hence libanus and the corrupt olibanum. M. Polo calls it encent blanc. Bergeron's Col. P. 153. It was chiefly brought from Hadramaut or Sagar, a tract of Arabia on the ocean. The best fort is likewife in Small round grains called garages, from the Arabia 7713, chunder. Bochart, ibid. But Niebnhr fays, that the libanus of Arabia at prefent is greatly inferior to that brought from India, as being foul, mixed with find and flones; he adds also, that the plant which produces it, though cultivated at Kefchin and Schahr (Sagar) is not native, but originally from Abyffinia. See Niebuhn Arabia, tom. i. p. 202, it.

gefa has many specimens of Arabian li-" Olihanun, oleum Libani. " It grows yellow by keeping De Bues barms,

p. 131, in which opinion he is supported by Bruce. The Arabians paid a thousand talents of frankineense by way of tribute to Persia. Plin. xii. 17. Herodot. When Niebuhr was in Arabia, the English tradets called the Arabian fort incense of frankineense, and the Indian or better fort, benzoin, and the worst benzoin was esteemed more than the best incense. The Arabs themselves preferred the Indian to their own, and called it bachor Java, either because it grew in that island, or was imported from Batavia. See also d'Anville, Georg. Anc., tom. ii. p. 223.

52. Λιθίας 'Υαλής πλείονα γένη ε) άλλης Μυβρίνης της γενομένης έν Διοσπόλει. Glass and Porcelane made at Diospolis. P.

1st. Lithia Hyala. Several forts of glass, paste, or chrystal.

See article Δ.Θία διαφανής.

2d. A.Sia Mugging. P.

Which Salmafius fays, ought always to be written morrina, not myrrhina, myrrina, murrhina, or murrina. And he maintains that it is certainly the Oriental porcelane. It is here evidently joined as the adjective to \$\lambda \text{Jiz}\$, as it is afterwards (p. 28. Peripl.) mentioned with \$\lambda \text{Jiz} \text{Jiz} \text{Jiz}\$, and connected in a fimilar manner, \$\lambda \text{Jiz} \text{Jiz} \text{Jiz} \text{Jiz}\$, Maggies, where it is specified as brought down from the capital of Guzerat, Ozênê, (Ougein,) to the port of Barygáza or Baroach. All this seems to confirm the opinion that it was porcelane procurable in India at that time, as it now is; and that it was brought into Egypt by the ships that went to India. But what is more extraordinary is, that it was imitated in the manufactories of Diospolis in Egypt, just as our European porcelane is now formed upon the pattern of the Chinese.

But in opposition to this opinion, Mr. Dutens, under the article Sardonyx, Supposes that Stone employed and cut, to form the Murrhina, on account of its beauty, and the great number of firsts in a finall compals, that the Sardonyx was formed into finall vales, as well as various forts of agates, there can be little doubt; but why after cutting, it should lose the name of fardonyx; and take that of murrhims, is full to be explained; and how they should be baked in Parthin furnaces, or imitated at Diospolis, must likewise be inquired. The bell argument in favour of Mr. Dutens' opinion, is, the connecting it with drugger in the invoice of the Periphis, Adda drugger and Magains, and Lampeldins likewife tays of Heliogabalus, as cited by Gemer, myrrhinis et onyclimis minxit. Thele inflances are lo firong, that if the other qualities attributed to this precious commodiry could be accounted for, and rendered confident, the fuffrage of a writer to intelligent and well informed, ought to prevail. Gefner produces a variety of authorities from Jo. Frid. Christins, which confirm this opinion of Mr. Dutens, or at least prove it a fossil. The principal one is from Pliny, xxxvii. 2, and xxxiii. proem. Chrystallina et myrrhina ex eadem terra fodimus, so that it is positively afferted to be a follil from Karmania; while the colours affigued to it, of purple, blue and white, with the variegated reflexion from the mixture, fuit much better with porcelane. Martial flyles it myrrhina picta, xiii. p. 110, and notices it as capable of containing hot liquors, a property in which it feems opposed to glass or chrystal.

di calidum potes ardenti murra Falerno. Convenit, et melior fit fapor inde mero.

The fapor here, and the ador mentioned by others, fult the fardonyx no better than porceiane; but the tellimony of Properties is as direct to prove it facilitious, as that of Pliny to prove it a folili-Murresque in Parthis pocula cocta focia, iv. 5. 26.

And to relift this evidence, Christian contends, that the Murrea are not the same as Myrrhina; but an imitation like the Diospolite manufactory. I am by no means qualified to decide in this dispute, where the difficulties on either side seem unformountable; but as my own opinion inclines rather in favour of porcelane, I will state my reason plainly, and leave the determination to those who are better informed.

Porcelane, though it is factitious, and not a fossil, is composed of two materials which are fossil, the peruntze and the clay. The former, the Chinese call the bones, and the latter the sieth. The place of petuntze is supplied, in our European imitations, by slints reduced to an impalpable powder; and the vitrifaction of the petuntze or the slints in the furnace, gives to potcelane that degree of translucency it possesses. The petuntze is supposed to be found of late in England. Now it is a well known fact, that the ancient composition of porcelane in China, was faid to be prepared for the son by the father, and to see buried for several years before it was prepared for the furnace, and the inferiority of the modern porcelane, is thought, by the Chinese commoditions, to arise from the neglect of this practice. May not this have given rise to the opinion that the murrhing were a fossil production?

Another confideration arises from the words employed by Pliny to express the murrhine vessels, which are copis and abacus, signifying, if Hardouin be correct, literally, the cup and faucer, and the capis which was a vessel used in facrifices, was regularly a vas ficule.

But the last circumstance I shall mention is, the fize of that murrhine vellel mentioned by Pliny, which contained three pints (fextarios). Can it be supposed that a fardonyx was ever seen of this fize ? he adds indeed afterwards, amplitudine nufquam parvos excedunt abacos, which, to make it confiftent, must be qualified with the exception of the former velicl that contained three pints. He has other particulars which lead us again to porcelane, craffitudine raro quanta dicam eft vafi potorio, and in another pallige, humorem putant fub terra calore dentari, which he certainly applies to the concoction of a fosfil, but which bears no little refemblance to the marning of the materials before mentioned.

After all, if it was a gem, it is aftonishing that the fardonyx should be mentioned by no ancient author, as appropriated to this purpole. If it was factitious, it is equally ftrange, that nothing ftronger fhould. appear on that fide of the question, than the capis of Pliny. The diffinction could not have been miftaken. The country he afligns to the production, is Karmania, in the kingdom of Parthia, and that it came from Parthia " into Egypt, to the countries on the Mediterranean, and to Rome, feems evident from a variety of authorities : and that it might well do, if we confider that Parthia communicated with India by means of the Perfian Gulph, and pollibly on the north with China " itself, by means of the caravans. The mention of Karmania by Pliny, as the country where the murrhina were obtained, favours the suppolition of procuring these veilels from India;

"The kingdom, not the province, as we place at tome females, the the brown the Ruffiam and Chinefe at Klatchu, is continu from Prolemy, Pility, and the Periphia Whother the Sens were Chinair, as an increase diese with between India and China, is not muturial in the prefeut inflance.

may fee from a former clintion noticing Ear-Street, or other

[&]quot;That there was an interconnie with the Seres in the much of the Hi man name. tains, and that exchange of commodition task

for the communication of Karmania with Scindi and Guzerat is almost immediate, and certainly prior to the navigation from Egypt to that coast. But in Guzerat they were obtained, when the author of the Peripius was employed in that trade; and their arrival at the market of Baroach, from the interior of India, may induce us to suppose, that they came into India from the north.

The immense value of these vessels at Rome might well arise from their searcity. They were first seen there in the triumphal procession of Pompey; and it must be observed that Pompey returned from the shores of the Caspian Sea. They were afterwards introduced into use at the tables of the great, but of a small size and capacity, as cups for drinking. Afterwards one which held three sextarii or pints, was sold for seventy talents "; and at length Nero gave three is hundred for a single vessel. The extravagence of the purchaser might, in this instance, enhance the price, but the value of the article may be better estimated by the opinion of Augustus, who, upon the conquest of Egypt, selected out of all the spoils of Alexandria a single murchine cup for his own use. Now, therefore, if the nurrhine was porcelane, it may be a piece of information acceptable to our fair countrywomen, to know that Cleopatra did not indeed sin her tea, but drink her Marcotick wine out of china.

I have not been able to confult the work of Christius, but take the account of his argument from Gefner, and I refer the reader for further information to Gefner in voce, to Chambers's Dictionary, to Salmafius, Plin. Exercit, and to an express differention in the Volumes of the Academy of Belles Lettres, which I have formerly feen, but have not now an opportunity of confulting. I recollect that

^{*} Z.13 561.

The turn from as immoderate for a cup of furdonyx as for percutance.

it is in favour of the opinion, that murring and porcelane are the fame.

53. A Ma Supuris. P.

A transparent substance of stone or public, but it is probably here the glass made of stone as clear and bright as chrystal, and the same as Tax. Hyale mentioned before. Salmafius (p. 1006.) has a very curious quotation from the Scholiaft on Ariflophanes ad Nubes. Aff ii. fcens 1. "We call Hyalos (he fays) a material made of a cer-" tain plant burnt, and walted by fire to as to enter into the compo-" fition of certain [glafs] veffels. But the ancients appropriated the " term hyalos to a transparent flone called kruon, or chrystal."-This perfectly accords with the manufacture of glass, composed of fand, or flints, and the athes of a plant called kall or vitraria in Narhonne, Salm, Ibid, and Chambers in voce. But glafa has its name from glaftum" or word, the blue dye, because common glass was of that colour, but the transparent Roney glass [flint glass] here mentioned feems to take its name [dataset] transparent, and [Take] chrystalline, from its superior purity and imitation of the chrystal, The whole pallage in the Scholiast is interesting, and worth consulting. Nub. act ii. feene 1. l. 766. The Total Myor.

"The hydres or chrystal is farmed circular and thick for this pur"pole [the purpose of a burning glass], which being subbed with
soil and warmed, they bring near the wick of a lamp and light
it:" [it was subbed with oil probably to clean it, but why warmed

[&]quot; See Vollins ad Melim, Vision ed. 1722. See adds, apad Cambro-Britanian del III prowlor cites Phay, like exist e. t. Gimile plan-vestes glist appellator, et caralte e subserves sagin glishmi in Gallia, que Beines com Floria listicia would, conjuges caraltes take or pure delite. Vol-

does not appear.] " Homer knew nothing of the chrystal, but " mentions umber:" [time, for with Homer and ranks; is always ice.]

Flowe it appears that chrystal was known to Aristophanes, and the application of it to the purposes of a burning glass; that glass was known in the time of the Scholiast, and that Homer knew nothing of either. The use of a peoble or chrystal, however, to kindle fire, is known at least as early as the writings of Orpheus was a least as early as the writings of Orpheus work of Pythagoras, or a Pythagoreau, as Cicero supposes, De Nat. Deorum, the knowledge of this property is still very old. But Tyrwhite has overfet all the antiquity of this Orpheus, and brings the poem step asserted as the lower empire—to Constantius, or even lower. See Praf. p. 10. et seq.

Why glass was to late before it was introduced to the knowledge of the Greeks and Romans, or other nations on the Mediterranean, seems extraordinary; but De Neri (Art. de la Verrerie, Paris, 1752) informs us, that glass is not mentioned in the Old Testament, and appears in the New only, in the epifiles of St. Paul, St. James, and the Revelations; that of the Greeks, Aristotle is the first who makes express mention of it, and assigns the reason why it is transparent, and why it will not bend, but in a dubious passage; in Rome it was but little known before the year 536, U. C. and was not applied to the sife of windows till near the reign of Nero. Senera, Ep. xc. This seems the more extraordinary as the art of making glass was known in Egypt in the earliest times. The mammies of the Catacombs near Memphis are ornamented with glass beads; and it has lately been discovered that the mummies of the Thebaid are decorated with the same material; which carries the invention much higher, possibly

to 1600 years before our era (Ripand's Memoir). If this be a fact, we arrive at the Diolpolis of Upper Egypt, the Thebes of Homer for the origin of the invention, but the Diotpolis of the Periplus is in the Lower Egypt on the Lake Menfaleh, though the name and fite is much disputed, as we learn from d'Anville, (Egype, p. 921) but at Tennis on that Lake, the French found remains of brick, perceiane, pottery, and glass of all colours, (Memoirs, p. 223.) and at the Lower Diospolis, we find the same substances noticed by the Periplus with the addition of wine, diple, and an imitation of the murrhine vellels. Strabo informs us, that he converted with the manufacturers of glass at Alexandria, who told him that there was a hyalite earth; which of necessity entered into their compositions of a superior fort, and particularly in the coloured glass, but that still greater improvements had been made at Rome, both in regard to colours and facility of operation (lib. xvi. p. 758.). The fame manufacture was continued afterwards at Tyre and Berytus; and at Tyre it was found by Benjamin of Tudela, as late as the year 1173. (Bergeron, p. 17.) At Rome it was certainly known before the fecond Punick war, because Seneca mentions rullicitatis damnant Scipionem quod non in Caldarium fuum specularibus diem admiferit, but this was in the Bath or Sudatory; in houses it was introduced later, vitro ableonditur Camera, Ep. 86, et quædam demum nostra memoria prodissa scimus ut speculariorum usum perlucente tella clarum transmittentium lumen; but tella does not quite express glass. Martial mentions glass applied to the hot-house or green-house, lib. 8; and drinking glasses he calls chrystalla (lib. x. 59. Ed. Fitzger.). Pliny allo writes, maximus tamen honos eff in candido translucentibus, quam proxima chrystalli fimilitudine, usus vero ad potandum argenti metalla et auri pepulit. Lib. xxxvi. 26. From From which we learn, that the Romans used drinking glasses as we do, in preserence to gold or filver, and that the material was not vitrum, but the white shirt glass like chrystal, as ours in Gibbon has observed, that Augustus knew not the comfort of clean linen or glass windows, but glass windows were within a century after his time adopted in Rome. In England we are indebted to Theodorus, archibithop of Canterbury, who introduced glass windows, music, geometry, and classical learning into England about the year 670. Beda, Ec. Hist. 18b. iv. c. 2:

That clear or flint glass affumed its name from Take, chrystal, is still more apparent from a passage of Diodor. Sic. lib. li. p. 128. ed. Wessel, where mention is made of both forts, the factitious and native Takes, as he writes it. The glass cossin of Alexander is called Takiss, by Strabo, lib. xvii. p. 794. See Herod. iii. p. 206. et Wessel, not, et Diod. ii. p. 15.

34. Ailes and sends, nad winds. P. Callain Stone.

The Lapis Callais or Callainus of Pliny is a gem of a pale green colour found in Caucafus, Tarrary, and the belt fort in Karmania; it is called an emerald by Ramufio, and it was possibly one of those substances which Dutens, says the ancients, mistook for the emerald, and which he calls Peridot, Spath, Fluor, and prime d'Emeraude, the distinctions of which are attended to by few, except jewellers or collectors; others think Callais and Callainus two distinct stones; the Peridot is a pale green, inclining to yellow. Id.

Salmafius writes it Callinus, and fays it may be a pebble or agate, inclosed in another", and that it is loose and rattles; this Pliny calls

[&]quot;But he mentions it as a topics, and fays, bloc, why not a torqueile? which is flill a three are topices of two different colours; if favourite from in the East.

Cytis, xxxvii. 56. Hard, Cytis circa Copton mafcitur candida, et videtur intus habere petram que fentiatur etiam firepitu.

55. Alto; alpasis. P. Opfian Stone.

Probably ferpentine or bematite, in the opinion of Dr. Burges. Salmafius objects to Pliny for calling it optidian, or faying it was difcovered by Optidius. In Greek it is always optian, and is a green
from very dark, approaching to black. It was found in the illands
of Ethiopia; and from taking a high polith was used by the emperor Domitian to face a portico, to that from the reflection he
might discover if any one was approaching from behind.

The opfidian flore, mentioned by Pliny, is very dark but transfucent, and a factitions fort of it which he likewise notices, seems very much to resemble the material of which our brown or red tea-pots are composed. Totum rubens, atque non transfucens, harmatinon appellatum. See discourse in the Memoirs of the Academy of Sciences. The specimens of this stone, which I have seen, are so dark that the green cast can only be discovered by holding them in a particular position. The closeness of their texture seems to admit of any degree of polish that the artist may be disposed to give them.

The specimen which I saw was brought from Egypt by a Gentleman who had visited the country: it was electmed such in Egypt, and acknowledged for option by several of the most curious observers at Rome; and it exactly answers the description of Indorus, adduced by Hardenin on this passage: est autom siger, interdum et viscus, aliquando et translucidus, crassiore visu. And again: obsidius sapis niger off, translucidus et vitri habens similitudinem. Isidar. lib. 16. Orig. cap. 1 c. and cap. 4. That option and obsidian have been confounded.

founded, or applied to different fubflances, may be allowed; but the opfidian of Pliny came from Æthiopia, and fo did the opfian of the Periplus; and whatever be the name, the same fosfil feems to be intended. How it may be applied by others, concerns not the prefeat question; and if the etymology be Greek (from 5-тория от oder), it might be applied to any polithed flone which reflects images. It is used by Orphous under opallius, lin. 4 in what sense I pretend not to determine; but his claffing it under the opal, which is clouded, and specifying its pitchy colour (c) wirner administers illowers) and flone-like appearance, petrified, as he supposed, from the exudation of the pine, makes me inppose it the fame as Pliny describes, when he mentions the imitations of it and the stone itself; In genere vitri et obfidiana numerantur, ad fimilitudinem lapidia quem in Ethiopia Obfidius invenit, nigerrimi coloris, aliquando et transfucidi crassiore visu, atque in speculis parietum pro imagine umbras reddente. M. Dutens (p. 66.) fays, it is a volcanic glafs, fuch as is found about Mount Etna and Mount Vefuvius; but inflead of folving the difficulty, about which, he fays, fo many learned men have disputed in vain, this only adds to it; for if it was found in Italy and Sicily, why thould it be fought for in Ethiopia, almost at the mouth of the Red Sea, and imported from Egypt at a prodigious expence?

56. Alydes. Lygdus. P.

A beautiful white marble, or rather alabafter, used to hold adours; Ramusio. Salmation says, an imitation of this alabaster " was formed of Parian marble, but that the best and original lygdus was

[&]quot; Unguenta optime fervantus in alabaffris - Pim, lib. sin. p. 3.

brought from Arabia, that is, as noticed in the Periphis, from Moofa. Salm. p. 539.

57. Abries. Lycium. P.

A thorny plant, so called from being sound in Lycia principally. A juice from which was used for dying yellow, mentioned by Pliny and Dioscorides. The women also, who affected golden locks, used it to singe their hair. Salm. p. 1164. Why this should be fought in Scindi, if it was found in Lycia, does not appear. It is found now in the shops by the name of the yellow-berry, box thorn, grans d'Avignon. Dr. Burgess. Lycium, in Pliny, is a medicine derived from the Garyophyllon, lib. xii. c. 15. Hardouin, who adds Lycium porro quid sit ignorari etiam a peritis herbaris pronunciat anguillara, lib. de Simplic, para iii. p. 62. Nos Clusio credimus esse Hacchie Goanorum.

58. Authors. Ladient. P.

Quilts or coverlids.

Witness .

ε πολλαι απλόι ες διτόπιοι.

Coverlids plain and of the country manufacture at Moofa-

M

1 39. Мируацігия, р. 84. D. P.

Pearls, fished for near Cape Comorin, where the fishery still continues, or at the Luckdive Islands, formed a great article of commerce on the coast of Malabar.

60. Makatabeer.

15 1 12 x 160

60. Mandales. Malabathrum. D. P. Betel.

In order to avoid the confusion of ancient authors, we must confider this article under two heads:

> First, as an Unguent, Odour, or Perfume; Secondly, as the Betel.

First, as an unquent or perfume, it is certainly assumed by Horace: Coronagos nitentes

Malobathro Syrio espillion. Hon lib. in ode yin a. o.

and by Pliny" when he makes it, with all the fraggint odours of the East, enter into the royal unguent of the kings of Perlia. (Lib. selil. c. a.) And again (lib. xii. c. 12, or 26 Hardonin,) where he mentions the hard of Ganl, Crete, and Syria; the laft agreeing with the Syrian odour of Horace, and almost afcertaining the error of confounding folkenard with the betch. So likewife (lib. xii. c. 59) Hard. Dat et malobathron Syria ex qua exprimitur oleum ad unquenta; but in the fame chapter he fays, fapor ejus mardo fimilis effe debet firb lingua; and (lib. xxiii. c. 48. Hard.) oris et halitus fuavitatem commendat linguæ fubditum folium : in which fenfe, as Diofcorides also tellifies, it is a mallicatory, and not an unquent. Added to this, he applies the titular diffinction of hadrofphærum, mefofphærum, and microfphærum, to the fpikenard (lib. xii. 26. Hard.), which Salmatius, Matthioli, and almost all the

them the unlabatives, which is not in pass of an other the hadrofphenous, melosphen-Betre. But it is frequently confounded with the betch are fallely supplied to the forkersaid.

If It appears by Play, lift will et at that spakement, the first of adimes, which is preshould all the fragium edours of the East co- emissuity called folium, or the leaf, in oppotered into the composition of their argumns, sition to cottas, or the root. But the betslient In the coyal Pussen ungreent no left than being wints in the arecks hid has probably menty for a little minutes of and image given rife to the millake. See Pluty, tile, aid. perly as before at a Manufact. If it he the rum, merolphe ma - all definitions of the

commentators, agree in affigning specifically to the betel; and to the betel, betre, or petres, they are applied to the Periplus. (p. penult.) The error of Pliny, and his fluctuation in making it both an unguest and a malticatory, arifes from his confidering the fpikenard to be the leaf, xar' isogra (which it is not, but a root), and not confidering, or not knowing, that the betel is, above all others, the leaf, used with the arcka-nut, and the constant multicatory of the Orientals from Malabar to Japan.

Secondly, that it is a mafficatory is confirmed by Dioleorides; for he fays (Grenderas di vy spheres met ibudher schurre), it is placed under the tongue to fweeten the breath, and it has (owner wire in squaxwrepas) the virtue of firengthening the flomach. If any native of the East were at this day asked the properties of betel, no doubt he would specify these two particulars above all others. But it should feem that Dioscorides was aware of the confusion caused by millaking the pard for the betel; for he commences his account by faying, that fome believe the malabathrum to be the leaf of the nard, deceived by the fimilarity of the odour; but the fact is far otherwife. (See Matthioli, p. 40.)

The author of the Periplus knew that Petros was the leaf, and that when the whole composition was made up together, it was called Malabathrum; for he mentions the method of obtaining it by the Scres from the Sefate, and their exportation of it again. (p. ult.) We know likewife that the procuring it at the extremity of the East, is confount to modern observation; for though it is used in India, it is indiffentable in all ceremonies in Ava, Pegu, China, and the iffends of Java, Sumatra, Sec. It is now well known to confill of the arcka-nut, the betel-leaf, and a mixture of lime from fea-thells, and fometimes with the addition of adoriferous drugs. The arekeant has the appearance of an oblate nutmeg, hard as horn, and
when cut, retembling the nutmeg in its mottled appearance. Dr.
Horge's informs me, that the unripe nutmeg is fometimes preffed,
and an aromatic liquid procured, fragrant in the highest degree,
which perhaps may have fome relation to the perfumed unquent of
the ancients. The batel is a species of the papper-plant, and the
lime is called chinam, the use of which turns the teeth black; and
black teeth consequently, from the universality of the practice, are
the standard of elegance in all those countries where the usage prevails. For the matural history of the ingredients, and the ceremonies
attending the custom, I refer to Sir G. Staunton's Chinese Embally;
vol. 1, 272; Mr. Mariden's Sumatra, p. 242; and Mr. Turner's
Embassy to Thibet, pp. 285, 343.

The name of this mafficatory varies in different countries; but its Ambiek name is Tembul, Tembal, or Tambal; and from tamala, added to betre or bathra, tamala-bathra is derived, and the malabathra of the ancients, according to the opinion of Salmatius .--" But Stephens (in voce) gives a different etymology : Ferunt apud " India nafăi în ca regione que Malabar dicitur, vernaculă ipforum " lingua Bathrum, five, Bethrum appellari, inde Grecos compolita " voce nominaffe Maxadaw." F. F. What adds to the probability of this is, that the coast was called Male, till the Arabs added the final Tyllable. And let it not be thought fantaffical, if we carry our conjectures farther eafl-to the country of the Malays, in the Golden Cherfonele; for in that part of the world the custom is far more prevalent, and there the best ingredients are still procured. The Malays were not unknown, by report at leaft, to the Greeks; for for Magazine Ptolemy

Prolemy has a Malai-on-Colon (Maker's within super, p. 176, not far from the Straits of Malacca, the country of the Malays.

worthy of remark; for it is faid, "Sinze in mutuis vilitationibus "folia betel mann tenent, ac cum Areka et calce in patinis ligneis "in benovolentize fignum offerunt hospiti; dum utuntur, primo "parum Areka mandunt, mox folium betel calci illitum, exemptis "prins necessa ungue politicis, quem propterea longum arque acutum "habent." Nienhoss, pars uit. Legat Batav. p. 99. F. F.—I owe this curious passage to the suggestion of Dr. Falconer, and I cannot help thinking that it corresponds with the expression in the Periphis, if macross nadapse rise appoints; through applied to the making up of the composition, rather than the use of it.

The account of the ingredients must be left for the natural historians to develope; but the classical history of them, such as I have been able with the affidance of my friends to collect, has been drawn from Dioscorides, Pliny, Matthioli, Salmasius, and the other authorities cited, with much labour and attention; and if it contributes to remove the obscurity in which the question was involved, let it not be received as a tedious discussion, but as the effort of an author, who was engaged in the inquiry, before he was aware that an acquaintance with natural history would become so material a part of his duty.

G2. Manzie. Mator. P.

VIIII V

An aromatic from India; the bark red, the root large. The bark used as a medicine in dyfenteries. Plin. xii. 8. Salm. 1304.

THE RESERVE OF THE PARTY OF THE

63. Margarita. D.P. Pearls.

The Pearl Fithery is mentioned in the Periplus, both at Bahrela in the Gulph of Perfis, and at the Island of Ceylon; but I am obliged to Mr. Falconer for pointing out " the authority of Pliny, " lib. ix. 35. or 54 Hard. and lib. vi. 32, or 24 Hard.; the former " of which is of importance, as marking out not only the fithery at Ceylon, but at Perimoola, and the Sinus Perimoolus." F. For the Perimoola of Ptolemy is not far from the Straits of Malacca, and approaches (though not nearly) to the Sooloo Fifthery of Mr. Dalrymple. Whether pearls are ftill taken in the Gulph of Siam or Cambodia, I am not informed, but they might well be brought thither from Borneo; and the information is highly interesting. In the fame paffage it is noticed by Pliny: Principium ergo, culmenque omnium rerum pretii, Margaritæ tenent. But it is not true that the pearl fold higher at Rome than the diamond; for, lib. xxxvii. c. 4. the diamond has the highest value; the pearl, the second; and the emerald, the third.

64. Marucorum Lana. D. Wool of Marucori.

The text is corrupt. Ramuño joins it with the following article, Fucus, which he reads Marucorum Succus; but what it means is not eafily discoverable. Dr. Falconer, with great appearance of probability, supposes it to be the wool of the Thibet sheep, of which shawls are made.

65. Maxagan. P. Knives or canjars worn at the girdle66. Mehicoba yaked, P.

Brais "or copper, prepared, as Ramulio fays, for veffels of cookery. But rather for ornaments of women, as bracelets, anklets, and collars. No usage of Maxispla occurs elsewhere; but metals were prepared with several materials to give them colour, or make them tractable or malleable. Thus xoxoCxox in Heigenius was brais prepared with ox's gall to give it the colour of gold, and used like our tinfel ornaments or foil for stage dresses and decorations. Thus common brais was neither ductile nor malleable, but the Cyprian brais was both. And thus, perhaps, brais, parispla, was formed with some preparation of honey. Pliny uses coronarium possibly in reference to the same application of it as Heigebius mentions, and seems to use Cyprium in the sense of copper. Cyprium regulare is the best copper, and every metal is called regulare when purished, omne, purgatis diligentius igni vitiis, excoclisque, regulare est. And egain Cyprium tenuissmum quod coronarium vocant, xxxiii. 9.

67. Mehr mahapirer of haysperer canyage. D. P. Honey from canes. Sugar.

In Arabic, shuker, which the Greeks seem first to have met with on the coast of Arabia, and thence to have adopted the Arabic name. It is here mentioned on the coast of Africa, where the Arabians likewise traded, and either imported it themselves from India, or found it imported; it was evidently not found in that age growing in Africa. The Sanskreet name of sugar is ich shu-casa, and from the two middle syllables the Arabic shuka, or shuker. As Research, iv. 231. See Du Cange, article Cannamele, Canna Mellis, mentioned

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by Abbertus Aquenfis, William of Tyre, and others, as introduced from the East into Cyprus, Sicily, &c. in their age.

68. Mexixorov. Honey Lotus. P.

The lotus or nymphæa of Egypt. The stalk contains a sweet and eatable substance, considered as a luxury by the Egyptians, and used as bread; it was sometimes carried to Rome, and the Periplûs makes it an article of importation at Barygaza. It appears also to have been used as provision for mariners; and if this was the favourite bread of Egypt, in preference to grain, Homer might well speak of it as a luxury and delicacy; but his lotus is generally supposed to be the fruit of a tree, by our African travellers. Authors differ, some afferting that it is still common in the Nile, others saying that the lotus now found there has neither pulp nor substance.

69. Miragu. See Niuz Dopinde. D. P.

70. Mezgéra Supiana. D. P. An incense called mocrotus or mocroton.

71. Makozwa. P.

Coarle cottons of the colour of the mallow. Others read Moragos, either fingle threaded or of one colour.

Coarse cotton dyed of a whitish purple, and therefore called molochina from Mokóza, mallows, Wilford, Asiat. Differtation. vol. ii. p. 233.

Paolino interprets Molochins, tele finissime dipinti e richamente, p. 95. i. e. chintz. Muslins are faid to derive their name from Moful, because they were brought from thence by caravans into Europe. (Marco (Marco Polo, lib. i. c. 6.) But there is a diffant refemblance between Molochina and muslins, and the Greeks had no fost found of ch. If there is any name in the native language similar to either, we ought rather to feek for an Oriental derivation than a Greek one. At the same time it may be considered, that purple cottons might have as general a sale formerly, as blue Surats have now.

72. Mohuesos, Lead. P.

73. Morol. P. A species of cinnamon. See Kaovia.

74. Muon. D. P. Myrth or oil of myrth ".

A gum or refin issuing from a thorn in Arabia, Abyssinia, &cc. Bruce has given an account of the plant; he says it is originally from Africa, and that the Arabian myrrh is still an inferior fort. See Bruce, Chambers, and Salmasius.

75. Mugent. See Adia Mugent.
Porcelane. See Gefner and Chambers in voce.

Tel Tella unitrumina de Novembre de Novembre

76. Naploc. D. P. Nardi Stackys, Nardi Spica, in the Digeft.

This article appears under another form, and as if it were a dif-"The African is belt; the Abyllinian, Arabiae, and Indian, world. Dr. Burgels: ferent article in the Digeft, No. 3; the Nardi Stachys is No. 3, but under No. 3 we read

Foliam:

- r. Pentafphærum.
- 2. Barbaricum.
- 3. Caryophyllum.

The two first of which may be interpreted in conformity to the authorities which follow: 1, Folium Pentalphærum, Betel. 2, Folium Barbaricum, frikenard; but the third is the Clove, and is not related to the other two folia or leaves, unless it were introduced into the rescript of the Digest, from the custom-house at Alexandria, beeaufe it was a compound of Φυλλον, a leaf. Caruo-phullon, the nut leaf, is a name applied to the pink flower, because the sheath which encloses the flower is scolloped and jugged like the sheath of the nut. Whether this was transferred to the clove itself, on account of the angular points at the head of the clove, or nail; or, whether to the plant, I am not able to determine. (See article Caryophyllon); but Naples is the ipikenard called Folium Barbaricum, because it was obtained at Barbarike, the port of Scindi; and Folium Gangiticum, because it was likewise procured at the Ganges, that is In Bengal; Naplet yawaway alfo, as it appears in the Periplus (p. 32.), by the general content of the commentators, is read, Napore Payproxi, and confirmed by the Periplus itself, p. 36.

No Oriental aromatic has caused greater disputes among the critics, or writers on Natural History, and it is only within these few years that we have arrived at the true knowledge of this curious odour, by means of the inquiries of Sir William Jones and Dr. Roxburgh. Their account is contained in the fourth volume of the Afiatic Refearches, and Dr. Roxburgh was to fortunate at last as to find the plant in a flate of perfection, of which he has given a drawing that puts an end to all controversy on the subject.

The nard has the addition of spike from the Latin spice, an ear of wheat, which, according to Dr. Roxburgh's drawing, it perfectly resembles. And this adjunct is found also in its Arabic name, sumbul; and in its Shaustreet appellation, Jaramansi; as also its Perfectly khostab, all signifying spices.

Sir William Jones, Afrat. Ref. iv. 117, fays, it is a native of Budtan, Nepal, and Morang; and that it is a species of Valerian. It is remarkable that he had himfelf feen a refemblance of it in Syria, as the Renums or Greeks mention Syria as one of the countries where it is found; but Prolemy gives it its true origin in their tracks of India. A specimen was brought down to Calcutta from Boudtan at the request of Sir William Jones, and the agents of the Deva Raja called it pumpl; but it was not in flower. Some dried (peciment of it looked like the tails of ermines, but the living ones, as Dr. Roxhurgh afterwards found, rife from the ground like ears of wheat. It answers the description of Dioscorides. It is weaker in scent than the Sumbul spikenard of Lower Asia when dry, and even lost much of its odour between Budgan and Calcutta. The odour is like the feent of violets; but the living plant is forbinden to be brought out of Boudtan. It was, however, procured by the intervention of Mr. Purling, the English relident; and was at last reserved in its perfect form by Dr. Roxburgh, who has deferibed it betanically. Ref. 14- 733.

In the age of the Periplus it was brought from Scindi; and from the Ganges; which, according to Sir William Jones, we ought to 4 h repulade would be the natural part for it, as coming from Bondon. This authorize the change of reading from years at Igapanika.] to propagate. [gangitika,] more especially as it is mentioned at the Ganges. Some faceiful inquirers might think they had found the mention of Japan in this passage.

We ought not to omit fome particulars from Pliny which are remarkable. He deferibes the nard with its fpica, mentioning allothat both the leaves and the fpica are of high value, and that the edour is the prime in all unguents. The price an hundred denoril for a pound. And he afterwards vilibly confounds it with the malobathrum or betel, as will appear from his utage of historipharum, metospherum, microspherum, terms peculiar to the hetel.

Finishman in voce Foliatum, writes, Foliam catalpharum ell Foliam Malabathri quod inde e squa, i. c. pilula condicarcum. Foliam vero Barbaricum, id quod Indicum, Graci recentores nominarpat quod ex India deferretur per Barbaricum Sinum. F. F.—But it is not the Barbaricus Sinus on the enalt of Africa that is meant, but the port Barbarike in the Delta of the Indus. There the Periples finds the foliamed, which is the foliam Indicum. Foliam estalpharum, hadronpharum, Sec. is the betel-leaf. Hoffman adopts Salmafina's opinion in regard to the militake of Pliny: he feems to think that the malabathrum, as well as the foliam, was confounded with the foliamed. If fo, the malabathrum Syrium of Horace is the anguent of foliamath, which, according to Sir W. Jones, is found in Syria as well as in India.

The characteristic name of the nard is folium", the leaf, pre-

eminently

[&]quot;Salatablus, p. 1. 65, is clearly of epision. Collins to mad. He days it is always possible about Thiny is regularly multaken in applying to malabathrom betal.

eminently in contraditionate coffus, the root, both as the prime of ours of their two forts, the root and the leaf.

Dr. Falconer has juffly cautioned me to be fure that the nard of of Pliny is the leaf. I know no more of natural hiltory than I have obtained from the authorities here cited; but that Pirov mentions both the fpica and the folium of the nard, in certain; and by his expressions I understand, that what we now know to be the root, he famouled to be the growth. Common in atims is spargunt, afforedly expresses femething above ground; ideo gemina dote nardi spicas ac folia celebrant, by which we must understand that excuming and tpice are identified. But that Pliny was militaken, and that the fpica was really the root, cannot be doubted, after the lecount that Dr Roxburgh has given. It is clear also from the authorities adauced by Dr. F. that the ancients were well informed of this. " In one of the receipts for the Theriaca Andromachi, Nacione to a Con-" beer. Nagle suggest a pick turing Superior per warm water weet and " Aginet. lib. vii. Galen speaks of it as a root; es restar is e plat " suppositing Suraness. And Arrian: type de ver tances recorn to " Ray de all at, a har to a subspace, a towner sublegion to: Printer. "And Galen, lib. sli. de Antidotis, c. 14. eptite et ver manyayame-" marrie e Arcanamyor Ivano Ragior askinte baden, totte de cappe deб пасры Карон, ф тогруст шти, ата тех трусти игауын ерек-" resse, was to poster. To thick may be miled the tellimony of " the moderns; Murray, Apparat, Medic, vol. c. pp. 445, 446 " Lewis, Mar. Med. and the following note from Bodetts, which " perhaps bell folves the question: In Indica Nardo, falvo melinre "Judicio, fpica dicitur caullenins, multis capillaceis foliolis cofitus, ad inflar aritharum; nec de nibilo aut immerito Graci antiquif-" fimi, Romani et Arabes Nardo illi Spice appellationem impoinat erunt. 412

"erunt. Radix quidem eft, fed quæ caulieulum e terra emittat, "aliquando plures ex una radice capillaceis denfis ariffatifque foliclis "veflitos. Not. in Theophraft. p. 1018." F. F. Add to this the tellimony of Dr. Roxburgh, and it will appear evidently that Pliny was miffaken. Another medical friend informs me. "that the matted fibres, which are the part choicn for medicinal purpofes, are supposed by some to be the bead, or spike of the plant, by "others, the root—they seem rather to be the remains of the with thered stalks, or ribs of the leaves; sometimes entire leaves and "pieces of stalks are found among them." Is not this the origin of Pliny's mistake, which Dr. Roxburgh sets at rest? and may not these leaves and stalks be purposely left to increase the weight and price; or even to deceive, as the natives are so jealous of their plant? All this accords with the quotation of Dr. F. from Bodwes.

But there is ftill a more remarkable particular in Pliny, which is, that he evidently copies the Periplüs in the three places which he allots for the markets of the fpikenard; for he mentions Patala at the head of the Delta" of the Indus, correspondent to the Barbarika of the Periplüs; and another fort which he calls Ozennides, exidently agreeing with the mart of Ozene (p. 27. Peripl.); and a third fort named Gangitic, from the Ganges, answering to gapanic, for which all the commentators agree in reading Gangitic. Very strong proofs these, that Pliny had seen this journal and copied from it; as he mentions nothing of Ozene in his account of the voyage, and only catches Ozennides here incidentally. See Salmasius, p. 1059, et seq. who is very copious on the subject, and has exhanted all that the ancients knew of this aromatic."

"Whether this in Pliny floes not spirly to "It referentes the tail of a final assimal, to colling to Dr. Burgeis's Collection.

70. Naturkier pi 27. Naupliur, P. ...

It feems to be an inferior tertoife-field from the context, which runs thus, as product discloss para via history of rations of ships, i.e. tortoife-field of fuperior kind, but not equal to the Indian; and a finall quantity of that species called nauplius. It may, however, be a different commodity; but I cannot trace it in Pliny, unless it be the shell of that lish he calls nauplius, lib. ix. c. 30. or 49 Hard, which feems a species of the nautlius; but which Hardonia says, does not fall in its own shell, but a borrowed one.

71. Neps Ensuel. D. P.

Sewing filk, or filk thread, from China. If this paffage be correct, it proves that filk was brought into India from China, as early as the age of the Periplus. Nipse can hardly be applied to a web, it feems always to be thread.

It is called picked by Procopius and all the dater writers, as well as by the Digell, and was known without either name to Pliny; for he days, the women who wrought it had the double trouble of untwilling the filk thread, and then weaving it up late a manufacture. Unde geninus noffris ferminis labor redordiends fila surfacture texends. See Procop. Anecd. p. 3. Zonaras ad Concil. p. 231. And for the history of the filk trade at Tyre, see Procop. Hist, Area p. 73. Juffinian mined the trade at Tyre, and yet fent the Manks to bring the worm from the Ealt. Procop. de Bello Goth, iv. 17. p. 643. Byz. Hill. See Gibbon.

Auto de esto a partado agre sudari restarbeno espação das, es waxas Estares Madans se ates, rem de Españo menadoses. Procope Períod de Vandel. lib. iv. Merados fera cruda. Du Cango. F. Unwrought filk is called Espos in the Periphas.

Τρατία τα in ΜΕΤΑΞΗΣ is Βερατό και κό Τόρα πόλετα τας Φουίνης έργαζειθει in παλκιν έπέδει όι δε τυτάν διατορόι κό δεμικοροί κό τεχτίται ένταυθα τὰ ανίκαθει δεκτ. Procop. Anco. p. iii. Hift. Arc. p. 8.

The manufactures had been long established at Berytus and Tyre. The web was formed from the metaxa; may we not call it organ-zined filk? The price of the metaxa was raised by the taxes imposed in Persia; and, upon the manufacturers raising the price, Justinian fixed a maximum and raised the trade.

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72. Oboses. Muffin. V.

of fort Tedinor to Thurwroom & Layouing Minay !.

Wide India mullim called Monskhe, that is, of the very best and finest fort; particularly line.

2d fort. Empharopfer.

Which is evidently the cotton too ordinary to spin, and made use of only for stuffing of cushions, beds, &c. The Greek term is derived from Σέσσω, to stuff, Σάγμανα, stuffing, or things stuffed. The article in the Periphus would be better read Σαγμανεγείν, the fort of cotton used for stuffing. Marco Polo, lib. iii. c. 29. says, Il Bambagio che si cava di quello, così vecchi non e buon de silare, una solamente per coltre. And Strabo; sa τάνα δί [the cotton plant] Νέωρχος Φίολ, τὰς ἐνητείας στοδένας όφιλος στοδένας κίντι εναφάλων κύντοξε χρέν θαι, κὶ τῶς Σαγμανεντάγες. Fine mussias are made of cotton; but the Macedonians used cotton for slocks, and stuffing of couches. Mr. Marsden, p. 126. notices the cotton used only for this purpose in Sumatra as the Bombax Ceiba; and Percival mentions the same

In Ceylon, p. 328. See also Dampier, New Holland, p. 65. and Voyage, p. 165. 'Obins, is from iblin, the thin inner garment of women, in contra-diffunction to the χετών of men. Hom. II. Σ. 595. Meurifus proposes Σωχαστογεσια, veftis pellicia. F.

Monakhe, fingle,

3d fort, Xuizier, P.

Coarle mullins, or rather coarle cottons, called at prefent dungarees; Wilford, Af. Differt. vol. ii. p. 233. to which monakhe is opposed as a finer fort.

73. Olivi. Wine. P.

1. Amslande. Wine of Landicea, in Syria. Syria is still famous for its wine. Volney, tom. ii. p. 69. Strabo. d'Anville Geog. An. ii. 134.

and tilled the principal view property of the first

- 2. ITAXIRED Italian Wine. P.
- g. Agrice. Arabian Wine: P. It is dubious whether it may not be palm or toddy wine, it forms to have been a great article of commerce.

74 Out a Diestelanie. Dipfe, Rob of Gropes from Dief-

For the explanation of this article I am wholly indebted to Dr. Felconer, and return my thanks to him more particularly, as it was the commencement of his correspondence. He observed to me, that it was the dipse of the Orientals, and still used as a relish all over

over the East. Dipse is the rob of grapes in their unripe state, and a pleasant acid. I have found many authorities to confirm his suggestion. Pliny, v. 6. xii. 19. xii. 27. xiv. 9. xxiii. called by Columella, Sapa vini. See also Shaw. Dr. Russel's Aleppo, p. 58, and Pocock, i. p. 58, made at Fainme, and called Beamas, or Paciniss. Iter Hierosol. ex uvarum acinis Mauris Zibib vel Zibiben dictum, p. 357, ex scinis succum exprimunt, organistque, donec adspissionem, instar mellis chullierit, Pacinas id Arabice vocant, non defrutum, Itali mosto cotto, mustum coctum, ensque in cibis pro intinctu utuntur, nonnulli aqua multa dilutum bibunt, id. p. 387. Ehn Haukal likewise describes it, and calls it Doushab, made at Arghan in Susiana.

75. Onyx Arabicus. D. Arabian Onyx.

This article flands in the Digeil in unconnected with all that precedes and follows it, that Ramufio, in order to make it a drug, reads it Gum Arabie; and I can hardly think otherwise than that it is a corruption, and that fome aromatic produce of Arabia is meant; but what, it is impossible to determine. Mr. Falconer is perfunded that it is the Onyx used as a box to contain odours or perfunded that it is the Onyx used as a box to contain odours or perfunded, the fame as the Alabaster of Scripture, Laske, vii. 37, and Pliny, lib, xxxvi. c. 8, or 12 Hardouin, strongly confirms this opinion, for there the Onyx is faid to be found in Arabia, and to be the fame as Alabastrites, and to be excavated for the purpose of containing unquents or persumes; and so Horace Nardi parvus onyx eliciet cadam? F. I have nothing to object to this but the context.

76. Owirm, p. 27. Awls or bulkins. P.

An article in trade on the coast of Africa, as needles are at this day.

77. Opicyalnes. Mountain Braft.

Used for Ornaments. Ramusio calls it white copper, copper from which the gold and filver has not been well separated in extracting it from the ore.

П

79. Mastires entitere. P.

Handsome women slaves for the haram are mentioned as intended for presents to be sent up to the king of Guzerat, whose capital was Ozene or Ougein.

80. Pelles Babylonica. D.

Hydes from Babylonia or Parthia, possibly dyed like Turkey or Morocco leather; but Q.?

BL. Hedden P.

Small hatchets or axes for the African trade.

vi 83 Pentafpherum. Folium Pentafpherum. D. Nard.

See article Nard. Mr. Falconer thinks that Pliny has not confounded the Folium, or leaf of the Nard with the Betel as Salmafius afferts; but that he takes the leaves from three different parts of the plant, the large making the least valuable odour, and the least feaves the best; hence, the diffinction of hadrosphærum, mesofphærum, microfphærum, and that the pentalphærum of the Digest is still an inferior fort. Of this I am no competent judge, but I think it ftrange that the diffinctions of Hadrosphærum, &c. should be applied by the ancients both to the Betel, as they are by the Periplas, and to the Spikenard as they are by Pliny, if this opinion be founded. Pliny, lib. xxili. 4. has certainly copied the fame authorities as Diofcorides, for he makes malobathrum a mafficatory to iweeten the breath, and an odour to put among cloaths, as we fometimes put lavender; both which particulars are in Diofeorides, but lib. xii. 59. Hard it is a tree found in Syria and Egypt as well as India. It is much more probable that Mr. Falconer should be right, than one who is little acquainted with Natural Hiftory, but my doubts concerning Pliny's confution are not removed.

83. Петер. Реррег. D. P.

Imported from the coast of Malabar, as it still is; the native term on the coast is pumpilim; Salm, p. 1070, or the Sanskreet, pipali. At. Ref. vol. iv. p. 234. The pepper coast is called in Arabic beled-cl-fulful. D'Anville, Ind. p. 118.

It was found by the Greeks from Egypt, first in Ethiopia, as an article of commerce brought thither by the Arabs, but was known in Greece much earlier.

1 332

Two forts are diffinguished in the Petiplus, " and recognized by "Theophrastus, lib. ix. c. xxii. copyyohor round, and an appear long. "And by Dioscorides, the Betel is likewise a species of the pepper. "Porro Betle foliis Piperis adea similia sunt, ut alterum ab altero "vix discerni quest, nisi quod Piperis folia paulo duriora sunt, et nervi excurrentes paulo majores. Bodæus a Stapel in Theo"phrastum." F. F.

t. Korroungende. P.

From Cottonara, the kingdom of Canara, according to Rennell, which is ftill the principal mart for pepper, or at leaft was so before the English settled in Sumatra. This is the black pepper. See Marsdon's Sumatra, p. 117. White pepper is the black stripped of its outward coat.

2. Manepor. P.

Long pepper", so called from its form being cylindrical, an inch and an half long. It confishs of an assemblage of grains or seeds joined close together. It resembles the black pepper, but is more pungent, and it is a species of the East India pepper, totally distinct from the Cayenne, and used for the purpose of adulteration. This is the reason that we buy pepper ground cheaper than whole.

84 Heptopara Post and the second and the

DW TO THE REAL PROPERTY.

Girdles or fashes, and perhaps diffinguished from the following article,

(85. Hazana di Çavan, P.

Saftes of an ell long,) only in the difference of make or ornament.

"Tabasir is the common long pepper. I Hamilton and The

86. Hundir.

86. Horazor. D. P.

Pearls, or the pearl oyfler. See the fiftery at Cape Comorin.

87. Поеријет бикројен 🖒 хидина, р. 35. Р.

Purple cloth of two forts, fine and ordinary. An article of trade at Moofa in Arabia.

88. Ποτήφα, Drinking Veffels. P. Χαλκά, Brofs. P. Στρογγύλα, Round. P. Μεγάλα, Large. P.

Probably all three epithets apply to the fame veffel. An article of import on the coast of Africa.

89. Hughs bairos. P.

OFFICE PARTY OF

Wheat in small quantities, imported into Omana, or Oman in Arabia.

A Made of Free in the Last London Companies of Profess Berlin when the Party of the Enterior delices.

90. Pubuspus. Rhinoceros. P.

The horn or the teeth, and possibly the ikin, imported from the coast of Abyssinia, where Bruce found the hunting of this animal still a trade, which he has described in all of its branches, vol. iv.

on the second property of the second party and the

continued branch tremes

SAL Distance

Printing the point in the Table of the Pale of the Control of

91. Σάγγαρα, Ρ.

Boats or small vessels used on the coast of Cochin for conveying the native commodities from the interior to the ports, and sometimes along the coast from Malabar to Coromandel and the contrary.

92. Σάγοι Αρτικοητικόι γεγιαμμένει & βεθαμμένει, p. 14: P.
Rugs or cloaks made at Arfinoe (Suez), dyed, and with a full knap.

93. Levdagano, P.

E-NY

Red pigment, Salm. p. 1155. found in gold and filver mines. Pliny. Ore of Cinnabar. Dr. Burgeis. Sandaracham et Ochram Juba tradit in infula rubri maris Topazo nafci, inde nunc pervehuntur ad nos. Plin. xxxv. 22. Flatd.

94. Yangapi. D. P. Sugar,

Made at Tyre in the 12th century. Benjamin of Tudela. Bergeron, p. 17: But when first planted in Europe, dubious. See article 60.

95. Zámpsspor. Sappbire Stone. D. P.

The ancients diffinguished two forts of dark blue or purple, one of which was spotted with gold. Pliny says, it is never pellucid, which seems to make it a different stone from what is now called

^{*} Dr. Burgers has specimens of both forts, the one with gold spots like lapis hand, and not transparent.

Sapphire. Dutens says, the true azure supphire was confectated to

96. Sarcogalla, or Sarco-cella. D.

A styptic, from \$\sum_{\text{sep}}^2\$ and \$\sum_{\text{sep}}^2\$ and heal it. Supposed to be gum Arabic by some; but others say, from a tree in Persis. Ramusio reads the text without any notice of all chelucia or sarcogalla, and concludes all three under the following article, which is read only Arabicus, but which he reads gum Arabic, meaning, perhaps, to render the three confishent; and a drug seems more requisite than the only. Store of the Only Arabic; but adds, that it is well known in the shops, though the tree, or country which produces it, is not known. See Chambers in voce. "Fit et ex sarcocolla, ita arbor vocatur."

"gummi utilissimum pictoribus et medicis, Plin, lib, xiii. 11." F.

97. Sardonyx. D.

"The fardonyx is next in rank to the emerald: Intelligebantur
colore in Sarda, hoc est velut carnibus ungue hominis imposito,
et utroque translucido, talesque esse In licas tradunt. Arabica excellunt candore circuli praducido atque non gracili, neque in
recessu gemma aut in dejectu renitente, sed in ipsis umbonibus;
initente praterea substrato nigerrimi coloria. Plin. xxxvii. 7." E.
See Chambera in vocc, where, it is said, the sardonyx of Pliny is nor
what now bears the name but a camza. I have not found this
passage as cited in Pliny, but conclude I have the numerals wrong:
the sardonyx is mentioned in the chapter adduced.

198 Evenza disuncia. Chinefe Hides or Eurs. Paner

What is meant by signara no where appears, unless it can be applied to the ragnoral, whence the malobathrum was procured. But this is very dubious. See MaxiCabgor. Pliny mentions the Seres fending their iron wrapt up in or mixed vertibus pellibusque. F. See article following.

99. Eloneds, Iron. P.

An import into Abyffinia for the manufacture of spear heads, to hunt the elephant, rhinoceros, &cc.

Telego, D. P. Ferrum Indicum. De -

from tempered in Indiana alone with an and completely on

"Ex omnibus generibus palma Serico ferro est. Seres hoc cum vessibus suis pellibusque mittunt. Secunda Parthico, neque alia genera ferri ex mera acie temperantur, cateris enim admisectur. Plin. lib. xxxix. c. 14. Plutarch (in Grasso). And Arrian de Rebus Parth. or the work ascribed to him, mentions that the Parthians covered their armour with leather, but at the moment of attack they threw off the covering, and appeared glittering in their burnished steel. Milton also, Par. Regained, lib. iii." E. In montibus Kahel (Cabul) inventuntur ferri sodime celeberrima, et humanis usibus aptissima, producant enim serrum acutum et venustum. As

Fine lines of any fort, but that imported into Abyllinia might be Egyptian, and pollibly of cotton; but

Ediffication and which the state of the party of the state of the state of

Embins; & dischopararas Payprinds, P. Can be nothing elfe but the finest Bengal muslins.

HOL. Elest. Wheat Corn. P.

102. Σείπαρια. Adzer. P. In contradiffinction to πελύκια, hatchets.

103. Enin apyopa, Silver Plate. P.

voq. 'Yaza'. P. Veffels of chrystal, or glass in imitation of chrystal.

105. Smaragdus. D. The Emerald.

There are twelve forts, according to Pliny and Indorus. (Gothofred.) Nero used an emerald as an eye-glass; and Gothofred, or Histories, supposes that the emerald has a magnifying power, Mr. Falconer imagines it to magnify only from the denfity of the medium. Mr. Durens denies that the ancients had any knowledge of the emerald, and in this he is supported by Tavernier, the Abbe Raynal, Harris, and Bruce. The green gems which the ancients called emeralds, were all of inferior quality to those brought from Brafil and Peru; and from the fize mentioned of fome of them, they are justly supposed to be Fluors; but we read of an emerald island in the Red Sea, and much notice is taken of them, both by naturalifla and poets. The greatest difficulty to be formounted by Mr. Dotens feems to be the archbishop of York's emerald, engraved with a Medufa's head of Grecian feulpture, and brought from Benares; but this, he calls a green ruby, p. 14. See Bruce, i. 206. who fays, Theophraftus mentions an emerald of four cubits, and a pyramid fixty

fixty feet high, composed of four emeralds. And Roderick of Toledo talks of an emerald table in Spain 547 feet long! But Bruce fays, likewife, the true emerald is as hard as the ruby. How then are we to diffinguish between an emerald and a green suby? Bruce vifited the Emerald Island in the Red Sea, and found nothing more like emeralds than a green chrystalline substance, little harder than glais; and this, he adds, is found equally on the continent and the island. Emeralds have been found in Peru, in the barrows of the dead, of a cylindrical form; to that the Peruvians, anciently, must not only have known the gem, but valued it; and must also have poffelled the art of curing it. Ulloa. Mr. Falconer has hippeffed to me a lingular paffage in Pliny, which may be applied to Nera's emeraid, and which had olcaped my notice : Ildem plerumque et concavi ut vifing colligant. Plin. lib. xxxvii. c. 5. or 16 Hard.; fo that the emerald mentioned in this inflance might truly be confidered as an eye-glass for a thort light. F. The whole chapter is fo vary expects, that it is hard to conceive what is an emerald, if Pliny's is not: Scythicorum Ægyptiorumque tanta est duritie ut vulnerari nequeant. This feems to express that hardness which the jewellers try by the frie.

106. Endown. Myrrb. D. P.

"The myrch of the moderns is the tame as that described by the ancients, but the tree from which it is obtained is full doubtful. It is likewise fill brought from the same countries, that is, Arabia, and the western coast of the Red Sea. But the Troglodinie, or Abyslinian, is prefetred to that of Arabia. Murray, Apparat. Med. vol. vi. p. 215. See Bruce, vol. v. p. 27. Omnium primit ell qua Troglodytica appellatur, accepto cognomine a loca in qua

" provenit, splendens, subviridis ac mordens. Dioscorid. Matthioli, " lib. i. c. 67. Plin. lib. xii. c. 15. It was procurable in Arabia, " imported from the opposite coast of the Red Sea." F. F.

COLUMN TO SERVICE DE LA COLUMN DE LA COLUMN

Διαβάρνσα τος άλλης. Ρ.

Of a fuperior fort.

Ехдинти, Р.

Of the bell fort.

107. Spadones. D. Eunuelis.

108. ETEXTH. Gum. D. P.

Aξειρμικών, read Σμυρικία, by Bochart, Geog. Sac. ii. 22. Salm. 520. Extract or diffillation from myrrh, of the finest fort. The reading is proved by Salmasius from a similar error in an inedited epigram. Minean; Σμύρτης Αμμανίκες, Dioscor. lib. i. c. 78. Plinius habet Minea, lib. xii. c. 16. and Hesyth, 'Aμιτάνος οίδος. Stephan, in voce. F.

109. Erigio. P.

Stibium for tinging the eyelids black.

110. Етоди Артичеткая. Р.

Women's robes manufactured at Arsinge or Suez.

111. Trusag: Storan, P.

One of the most agreeable of the odoriferous refins. There are two forts, storax in the tear, supposed to answer to the ancient styrax calamita,

calamina, from its being irrought in a hollow reed, or its diffillation from it; and common florax, answering to the flacte flyrax of the ancients. It now grows in the neighbourhood of Rome; but the drug was anciently brought thither from the islands in the Archipelago. See Salm. p. 1026. Chambers in vocc. Most of these gums, roins, and balfams have in modern practice yielded to the American, as this seems to have given way to the balfam of Tolm.

11a. Σώματα, p. 15. P.

Slaves from Africa, an ancient trade! but the number was not great.

r

113. Thanks. D. P.

The hyacinth or jacinth, a gem which Salmafius fays is the ruby, p. 1107. See Solinus, c. xxx. p. 57, where it feems to be the amethyft. And Mr. Falconer concludes, that it is an amethyft, from the expression of Pliny, emicans in amethysto fulgor, violaceus dilutus est in Hyacintho; but Hardonin reads, emicans in amethysto fulgor violaceus, dilutus est, See, and violaceus fulgor is surely the peculiar property of the amethyst. Salmasius adds, that the Oriental name of the Ruby is Yazut from Hyacinthus; but Dutens fays the hyacinthus orange Aurora, inclining to poppy, p. 35, and makes the legionthus diffinct gem from the Ruby; but the Ruby, he inflired and faithful gem from the Ruby; but the Ruby, he inflired and faithful gem from the Ruby; but the Ruby, he inflired and faithful gem from the Ruby; but the Ruby, he inflired and faithful gem from the Ruby; but the Ruby, he inflired and faithful gem from the Ruby; but the Ruby, he inflired and faithful gem from the Ruby; but the Ruby, he inflired and faithful gem from the Ruby; but the Ruby, he inflired gem from the Ruby; but the Ruby, he inflired gem from the Ruby; but the Ruby, he inflired gem from the Ruby; but the Ruby, he inflired gem from the Ruby; but the Ruby, he inflired gem from the Ruby; but the Ruby, he inflired gem from the Ruby; but the Ruby, he inflired gem from the Ruby; but the Ruby, he inflired gem from the Ruby; but the Ruby, he inflired gem from the Ruby; but the Ruby;

Strains mentions there is Distilled a diffillation from a tree, cannot by a sum breeding in it. Line are p. 570.

likewise, is of a poppy colour, and is called Hyacinth when it has the least tincture of yellow. Whether this diffinction applies to the ancients, I am not a judge to determine; but if the hyacinth is a diffinct species, I can find no classical name for the ruby. See Pliny, xxxvii. 9, or 41. Hard, and fulgor violaceus seems appropriate to the amethyst.

Φ -

114. Fucus. D. Red Paint.

X

115. Xahnis. Brase or Copper. P.

116. Хадинрубиата. Р.

Vetfels of brafs, or any fort of brazier's work.

117. Al-chelucia, which Ramuño reads Agallochum, Aloes. D.

Matthioli coincides with Ramubo in the correction. Diofeor. p. 40. "Agallachum is the aloes wood, xylo aloes, lignum aloes, "the lign aloes of feripture. Numb. xxiv. 6. and not aloes the "drug. The best is heavy, compact, glossy, of a chefnut colour, in"termixed with a blackish and sometimes purple shade. It is reli"nous and balsamic. Neuman's Chemistry, by Lewis." F. F. I was myself disposed to think Chelugia, xivusia, a corruption of Xivus, Cheiys, the tortoise, i. e. tortoise-shell.

118. Xxxiire. D. P.

Tortoise-shell feems to have formed a great article of commerce, for ornaments of furniture, as beds, tables, doors, &c. both in Italy, Greece, and Egypt. It was brought from the coasts of Africa near Moundus, from Socotra, Gadrosia, Malabar, and the Lackdive, and Maldive Islands, and from Malacca. The latter feems to be designed by the Representation of the Periplus.

119. Xarants. P.

Under garments, imported from Egypt into Africa.

120. Xorum, Specie. P.

The Peripties is very accurate in noting the ports where it was necessary to trade with specie; and in more instances than one, notes the advantage of exchange.

121. Xpordxillog, Chryfolite. P.

Sometimes the same as chrysites, the touclishore for gold, Salm. p. 1103; but described as a stone as it were sprinkled with spots of gold, Salmasius, p. 407, who points out what it is not, but cannot determine what it is. It may well be the topaz ", as Dutens makes it, p. 18.

120. Xpuren P.

Used with Indian, as is severed allo, expressing gold and filver denarii.

123. Xoumigenta. Gold Plate. P.

[&]quot;The Robemianois yellow, with a greenlib aut; the Oriental is very pale reflow. Dr. Borgen's Oriental upper, diep yellow.

the that I was a sunt to the property

There is a corrupt paffage in the Diguit, which appears thus; Chelynic hopis Indies adjerts,

The state of the s

Gethoried joins it to the preceding milele Beryllon; and Kamullo reads it Beryllos Cylindras. Saturation topports it to be a feparate article, and read is Chelone Atthiopa, as one species of the Chelonia of Plany, (xxxvii. 56. Hard.) that is, the gone called the Ethiopian Tortoile Eye, and Chelone Indica, another species; and it may be added, that this is conformable to the order of the Digeit, when it mention two species of the same article. The passage, however, is much doubted, and is sometimes joined with afferta, and sometimes separated. Hope indica afferta, opera Indica afferta, omnia Indica afferta, and again opera Indica, tincta, administra, &c., &c., but if we accede to Salmasius in regard to the two species of Chelone, and place the period at Indica; adserta may be another general title like several in the Digest, and easily converted into Serica, it would then fluid thus:

Seriea, - general title, filk.

Metaxa - rft species, - filk threads

Veftis Seriea - zd species, - filk web.

Nema Serieum, - 3d species, - fewing filk.

The only objection to this is, that Meraxa and Nema Serieum are usually applied to the same thing. Mr. Falconer supposes that tincta, if the reading can be supported, may mean dyed or coloured sike. F.

Campbor. Cafur, al Kafur, of the Orientals. I had expected to find this article in the Digeft, but as it comes particularly from Java, Sumatra, and Borneo, this may account for its being unnelled. The hiflory of it occurs in Schikard's Tarik, p. 185, who commends Marco Polo for his veracity, (was he not the first who brought the knowledge of it to Europe?) and he adds, that Al Edriffi speaks of Lanchialos, and then Kalan, where Camphor is obtained, and Kalan he supposes to be Borneo. This is a proof that the drug was known to the Arabians in the twelfth century; but the Lanchialos of Al Edriffi is very dubious; he certainly makes it a different island from Ceylon, and yet Lanca Ilam is one of the Hindoo names of Ceylon. See Al Edriff. p. 35.

Copilli Indici. D.

THE END

ERRATA

Page 237, note 73. line 5. for Appendix, No. 1. cand Appendix, No. 111.

374, Hot 3. for the door, could Traveling

112. We to oper a fall dop ofter place, and a communicator Piny.

\$50 unite 114 line & for history, and fath inc.

480, the running title of Sepol is the Perillike of the Septerion Sea, thould have con-

and The To deb the communa of him, and place is at Pibliony.

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fer .- penult. deli by my and

Appender, p. 43. mets 54. Him 3. for Plantagin, com Plantagini.

CORRECTIONS.

- Page 16. Part I. note 20. Why does Welfeling tell me to helice this? This neight not to have been impured to Welfeling, but 18 Stevens in Welfeling's edition of Carino.
 - 18. Part I. The 8. The polition of Pathother, fixed by Sir W. Jones, it againrendered dubous by Licen Wilford. Allanc Refearches, vol. v. p. 173. Lond. ed.
 - 27. Part I anger 48. Plutarch does not fay, what is imported to him, but the contrary: it a ver has happened, and never will, each or the same of marthestims. This seem is acknowledged with lame degree of marthestims.
 - 74. Part I unte 14 Belled fignifies a summer, not a coffic

ADDITIONS.

Post 171. Part IL. The Nepre of Codecads is Nafetim.

123 Part II. Canura's Men is mutical by d'Anville, Antique de l'Inde, Supplement, p. 167, but not as claim to suriquety.

Singles and Postume Parages-Street





Travels of the State of the Sta

Puels



