are owing to the force of attraction, and depend on it as particular effects on a general effect.

However clear these ideas appear to me. I expect not to fee them adopted. The people never reason but from their sensations; and natural philosophers judge from their prejudices All these must, therefore, be set aside, and very few will remain to form a proper judgment. But this is the fate of Truth; the is content with a few admirers, and is always loft in a crowd: Though at all times august and majestic. the is often obscured by fantastic notions, or totally effaced by brilliant chimeras. This. however, is the manner in which I view and understand Nature; and perhaps she is still more fimple: A fingle force is the cause of the phænomena exhibited by brute matter; and this force, when combined with that of heat, produces those living particles on which all the effects of organized bodies depend.

The GIRAFFE, or CAMELOPARD*.

THE camelopard is one of the most beautiing noxious, he is at the fame time extremely
utelefs. The enormous differencement of this legs,
of which those before are doubte the length of
those behind, prevents him from exerciting its
powers. His body has no thishity; he has a
flaggering gait; and his movements are flow
and constrained. When at liberty, he cannot
ectope from his enemies, nor can he ferve man

• The simplingal has fines that hears, covered with hisy-tremma as the rail, and strikely this, in. the forfesta-there is a theories about two intents high, refembling a shirt hear. The hight, from the cross of the lasts to the first of the fore-first, is feverance fore, any direct The length of the body is fived to the first of the first

fpots; Present's Speople of Zame P. Sirapla, Siraplab, Zaranba, Giraffe, a word derived from Girnaffa, Siraplab, Zaranba, the name of this animal in the Arabian language, which has in a domestic state. The species is not numerous, and has always been confined to the deferm of Æthiopia, and to fome provinces in the fouth of Africa and India. As these countries were unknown to the Greeks, Ariftotle has made no mention of this animal. Pliny speaks of it, and Oppian describes it in a manner which is by no means ambiguous *. The Camelopardalis, this

been adopted by the modern Europeans. Cameles and alie is Greek and Latin. Pliny gives the etymology of this can. pound name. 'Camelorum,' he remarks, 'aliqua fimilitudaia alind transfertur animal, Nabin Ethiopes vocant. Collo fimilen egoo, pedibus et cruribus bovi, camelo capite; albis macalis rutilism colorem diffinguentibus, unde appellata Condepardelo; febinde cernitar, aspectu magis quam sevitate conspicua: Quire La Giraffe, which the Arabs call Zarnaga, 1 Below. Obf. p. 118. Les Afric. p. 337. Gefaer. Quad. p. 160. Rail Synoof. Qual.

Deuter, 14. Ubi Chaldaica translatio habet Debas Arabica, &c. raphab : Perfica Scraphab : Septuaginta Camelopardalin : Hiereniways Camelopardum; Gefeer, Hill. Quad. p.147. fer. p. 149. thi legitur Camelopardalus, icon ex charta quadem nuper imprefa Norimberese - Servese nomine altitudine ad fummum verticem Capra quinque orgyas, corniculis duobus ferrei coloris, pilo levi et composito pulchro: diligenter et probe depictum Constantinoreli et in Germaniam transmissum, anno 1550,

Camelopardalis : Plin, lib, viii, c. 18. Dien Gaffias, lib, xlii-Private, pavine. Shaw's Supplement, p. 88. Oppion. Cyneg. lib. ii. 1. 466. Aldrov. de Quad. Bifile. p. 927. 6g. p. 931. Proper Alpin. Hift. Egypt. tom. ii. p. 236. tab. 14. fig. 4.

Tragus giraffa; Kleie. Quad. p. 22. Cerves camelopardalus, cornibus fimplicifimis, pedibus anticis

longiffimis; Line. Syd. Nat. p. 93. · Oppian, de Venat, lib. iii.

p. 90. Briffen. Quad. p. 37.

last author remarks, has fome refemblance to the camel. Its fkin is spotted like that of the panther, and its neck is as long as that of the camel. Its head and ears are fmall, its feet large, and its legs long, but unequal, those before being much taller than those behind, which are very thort, and feem to bring the rump of the animal down to the ground. Upon the head, near the ears, there are two eminences like two fmall ftraight horns. Its mouth refembles that of the flag; the teeth are small and white, the eyes brilliant, the tail fhort, and garnished with black hairs at the point. By adding to this defeription of Oppian those of Heliodorus and Strabo, we shall have a pretty just idea of the camelopard. The Æthiopian ambaffadors, fays Heliodorus, brought an animal of the fize of a camel, whose skin was marked with lively spots and brilliant colours, and whose posterior parts were much lower than the anterior. The neck, though attached to a pretty large body, was thin, the head, in figure, refembled that of the camel, and, in fize, it was not twice as large as that of the offrich. The eyes appear to be tinged with different colours. The gait of this animal was different from that of all other quadrupeds, which in walking lift their feet diagonally, that is, the right fore foot with the left hind foot. But the camelopard ambles naturally, lifting the two right or the two left feet together. It is a gentle creature, and may be conducted at pleasure by a small cord put round its head *. There is, fays Strabo, a large animal in Æthiopia, called camelopardalis, though it has no refemblance to the panther; for its fkin is not spotted in the same manner. The spots of the panther are circular, and those of the camelopard refemble the fpots of the fawn or young flar. The posterior parts of its body are much lower than the anterior; fo that, at the rump, it is not higher than an ox, and at the shoulders it is higher than a camel. From this diferences tion of parts, its motions should not be quick It is a mild animal, does no mifchief, and feeds upon herbs and leaves t.

THE GIRAFFE

Belon is the first author who has given a good description of the camelopard. ' I faw,' favs he. s at the castle of Cairo, an animal commonly ' called Zurnapa. It was formerly denominated . Camelopardalis, a name compounded of leobard and camel; for it is variegated with the foots of a leopard, and has a long neck, like the camel. ' It is a most beautiful creature, as gentle in its ' dispositions as a sheep, and more amiable than ' any other wild beaft. Its head is nearly fimilar to that of the flag, except in fize. Its horns ' are blunt, fix inches long, and covered with hair; those of the male are longer than those of the female. Both male and female have ' large ears, like those of a cow, and a black 4 tongue refembling that of an ox. It has no teeth in the upper jaw. The neck is long, ftraight, and flender. The horns are round and delicate, the legs long and flender, and those behind are so low, that the animal feems ' to ftand on end. Its feet refemble those of an ox. Its tail, which hangs as low as the hock, is round, having hairs three times as groß as those of a horse. The hair on the body is white and red. Its manner of running is fimilar to that of the camel. When it runs, the two fore feet move together. It lies on its belly, and has hard protuberances on its breaft and thighs, like the camel. When flanding, it cannot browfe the grafs, without fpreading its ' fore feet very wide, and even then the operas tion is performed with great difficulty; for " which reason it could not live in the fields, if ' it were not supplied with the leaves and sprigs

" of trees "." The description of Gillius is still better than that of Belon. 'I faw, (fays Gillius, chap. o.) three giraffes at Cairo. They had two horns of fix inches in length, and, on the middle of the front, a protuberance about two inches high, which resembled a third horn. This animal, when he raifes his head, is fixteen feet ' high; the neck alone is feven feet; and the ' length, from the extremity of the tail to the end of the nose, is twenty-two feet. The fore and * Obferv. de Belon, p. 118.

[.] Heliodorus, lib. x. + Strabo, lib, xvi. et xvii. * tongue

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6 hind less are nearly of an equal height. Rethe fore thighs are fo disproportionally lone that the back of the animal inclines like the 4 roof of a house. The whole body is marked with large yellow fpots, nearly of a fquare figure It has cloven feet like the ox. The upper lip protrudes beyond the under. The 4 tail is flender, with hairs at the point. It re-" minates and eats herbage, like the ox. Its mane s extends from the top of the head along the back. When it walks, its legs and flanks on both fides feem to be alternately lame; and " when it brouses herbage or drinks, it is obliged 6 to spread its fore legs prodigiously wide.'

Gefner quotes Belon for affirming that the horns of the giraffe fall off like those of the fallow deer *. I could never discover this fact in Belon. He only favs, in the above paffage, that the horns of the giraffe are covered with hair. He makes no other mention of this animal, except when treating of the axis, where he remarks, that the ground colour of the giraffe is white, and that the large spots scattered over the body " are reddifh, but not fo red as those of the ' axis †.' This fact, however, which I can no where discover, would be of great importance in determining the nature of the giraffe; for, if its horns fled annually, it belongs to the deer kind; and, on the other hand, if its horns are permanent, it must be referred to the ox or goat kind. Until we obtain a diffinct knowledge of this fact, we cannot affirm, as our nomenclators have done, that the giraffe belongs to the genus of flags; and it is aftonishing that Haffelquist, who has lately given a very long and very inanimated description of this animal, has faid nothing concerning its nature. After amaffing methodically, that is, like a fchool-boy, a hundred minute and infignificant characters, he fays not a fyllable regarding the fubftance of the horns, and leaves us ignorant whether they are folid or hollow, whether they shed or not, whether, in a word, they are wood or horns. I here give Haffelquift's * description, not on account of its utility,

· Cervos camelopardalis. Caput prominens, labium superius craffom, inferius tenue ; nares oblongæ, amplæ; pili rigidi, fparfi in utroque labio anterius et ad latera. Supercilia rigida, diffinctifima, ferie una composita. Oculi ad latera capitis, vertici quam roftro, ut et fronti quam collo, propiores. Dentes, lingua cornua fimpliciffima, cylindrica, breviffima, basi crassa, in vertice capitis sita, pilosa basi pilis longissimis rigidis tecta, apice pilis longioribus erectis, rigidiffimis, apicem longitudine superantibus, cineta. Apex cornuum in medio horum pilorum obtufus nudus. Eminentia in fronte, infra cornua, inferius oblonga humilior, fuperius elevatior, fubrotunda, poslice parum depressa, insequalis. Auricula ad latera capitis infra cornua pone illa pofita. Collum erectum, comprefium, longiffimum, verfus caput angustissimum, inferius latiusculum. Crura cylindrica anterioribus plus quam dimidio longioribus. Taburcelum craffum, durum in genuflexum. Ungues bifulci, angulati. Pili brevifimi univerfum corpus, caput, et pedes tegunt.

[.] Giraffis et damis cornua cadent : Belon, Gefter, Hift. Quel. 2. 148. † Observ. de Belon, p. 120.

but of its fingularity, and, at the fame time. to perfuade travellers to use their own eyes, and not to view objects through the medium of other men's: It is necessary to caution them against fuch methodical arrangements, the authors of which lay reason aside, and believe themselves wife in proportion to their want of genius. Have we advanced a fingle step, after fatiguing ourfelves with this enumeration of minute, equivocal, and ufeless characters? Do not the descriptions given by the ancients and moderns, in the paffages above quoted, convey a more diffine picture, and clearer ideas of this animal? Figures fupply all fuch trifling characters; it is the province of history to mark those which are more important : A fingle glance of the eye upon a good figure conveys more information than

THE GIRAFFE.

tegunt. Linea pilis rigidis longioribas per dorfam a capite al caudam extenía. Cauda teres, lumboram dimidia longitudine; non jubata. Color totius, corporis, capitis, ac pedum ex maculifuscia et ferrugineis variegatus. Maculæ palmari latitudine, figura irreovlari, in vivo animali ex lucldiori et obscuriere variantes. Magnitudo cameli minoris, longitudo totias a labio fareriore ad finem dorft frith, 24. Longitudo capitis frith, 4. colli foith, o ad 10, pedum anter, fpith, 11 ad 13, pofter, fpith, 7 ad B. loneit, cornuum vix fpithamalis. Spatium inter corna feith, !. longit, pilorum in dorfo poll, 4, latitud, capitis juxta tuberculum vel eminentiam fpith. &, prope maxillam fpith. 1, colli utringue proce caput foith, 1; in medio foith, 15, ad bafin foith, 2 ad a latitud. Lat, abd, anterius foith, 4, potter, fpith, 6 ad 7. Craffities pellis ant corii cervi valouris. . . . Deferintio antecedena iuxta pellem animalis farctam : animal vero nondum vidi ; Verag-L'Haffelgnid, Reduck 1762.

descriptions

descriptions of this kind, which always become more obscure in proportion to their minuteness.

In the year 1764, a drawing of the giraffe, accompanied with fome remarks, was fent to the academy of sciences, from which we learn, that this animal, which was thought to be peculiar to Ethiopia*, is likewife found in the neighbourhood of the Cape of Good Hope. The figure is fo incorrect, that no use can be made of it; but, as the remarks contain a kind of defeription, they merit infertion. 'In an expedition, made in the year 1702, two hundred ' leagues to the north of the Cape of Good Hope, 6 we found the camelopardalis, whose figure we have subjoined. The body refembles that of an ox, and the head and neck those of a horse. All those we met with were white with brown fpots. It has two horns, and cloven feet. The two we killed, and whose skins have been ' transmitted to Europe, were of the following dimensions: The length of the head, one foot eight inches; the height, from the extremity of the fore-foot to the withers, ten feet, and from the withers to the top of the head, feven feet, in all feventeen feet high. The length,

^{*} The giraffe is no where found but in Æthiopia. I faw two tame ones in the royal palace. I remarked, that, when they wanted to drink, they were obliged to foread the fore-legs very wide, otherwise, though their necks were long, they could not reach the water. What I relate, I faw with my eyes ; Relation de

In examining what travellers have faid concerning the giraffe, I find they all agree, that this animal, when in its natural fituation, can reach with its head from fixteen to feventeen feet high *; and that its fore legs are twice as long as the hind legs; fo that, when it fits on its crupper, it feems to be entirely on end +. They

" Profper Alpinus is the only author who gives a different idea of the magnitude of this animal, by comparing it to a fmall horfe: ' Anno 1581, Alexandrize vidimus camelopardalem. quem Arabes zurnap et noîtri giraffam appellant ; hæc cosum paryam elegantiffimumque repræfentare videtur; p. 236. There is every reason to believe, that the giraffe feen by Profeer Alreinus was very young, and had by no means acquired its full growth. The fame remark may be made with regard to the filin described by Hasselquist, which he says was of the size of a small camel.

likewise agree, that, on account of this disproportion, it cannot run quickly; that its dispofitions are extremely mild; that, by this quality, as well as by other physical habits, and even by the form of the body, it approaches nearer to the nature of the camel than any other animal; and that it is one of the ruminating animals. and, like them, wants the cutting teeth in the upper jaw. We likewife learn, from the teftimony of fome voyagers, that this animal is found in the fouthern parts of Africa, as well as in those of Asia *.

OR CAMELOPARD

From what we have related, it is evident, that the giraffe is a peculiar species, and very dif-

horns exceed not half a foot in length. Its ears are long, like those of a cow, and it has no teeth in the upper jaw. Its hairs are round and fine, its limbs flender, refembling those of a flag, and its feet are like those of a bell. Its body is very flonder, and the colour of its hair refembles that of the lynx. In manners and dispositions, it refembles the camel; Venage de Villament, 2, 688. - I faw, at the callle of Cairo, two ciraffet, Their neck was longer than that of the camel, and they had two horns of half a foot in length, on the top of the head, and a small one on the front. The two fore-legs were very long, and the hind ones remarkably thort; Geferegraphic de Levaut, Ar Throst.

⁺ The fore-feet of the siraffe are twice as long as these behind, which, by supporting a long straight slender body, eaifes the fore part of the animal to a prodigious height. Its head nearly refembles that of a stag, except that its blint

^{2. 142.} * In the ifland of Zanzibar, in the neighbourhood of Madaeafcar, there is a certain quadruped called graffe or giraffe, which has a neck about a fathorn and a half in length, and its fore-legs are much longer than those behind. Its head is small, and of different colours, as well as the body. This animal is very mild and tame, and never injures any person; Descript, des Indes Orientales, par Mare Paul, liv. iii. p. 116 .- Giraffa animal adeo fylvaticum ut raro videri positt. . . . homines videns in fugam. fertur, tametli non fit malize velocitatis; Leen. Afric. Defirite. Afric. 1001. ii. 0. 745. HA

ferent from all others. He feems, however, to make a nearer approach to the camel than to the flag or the ox. It is true the giraffe has two horns, and the camel has none: But the other refemblances are fo numerous, that I am not furprifed to fee the appellation of Indian camel beflowed on him by fome travellers. Befides, we know not the substance of which the horns of the giraffe are composed ; and, consequently, we know not whether by this part he approaches nearer to the flag or to the ox : They may, perhaps, be a substance very different from either, They may be composed of a congeries of hairs. like the horns of the rhinoceros; or they may be a substance of a peculiar texture. Nomenclators feem to have been first led into the blunder of ranking the giraffe with the ftags; by the pretended paffage of Belon, quoted by Gefner. which, if real, would be decifive of the point: They appear likewise to have misunderstood what has been mentioned by authors concerning the hair of these horns. They imagined that these writers had faid, that the horns of the giraffe were clothed with hair, like the new forume horns of the ftag; and hence concluded that they were of the fame nature. We fee, on the contrary, from the notes above quoted, that the horns of the giraffe are only furrounded with hair, and have a tuft of large coarse hairs at the point, and not clothed with a down or velvet, like those of the stag. From this circumstance,

it is not improbable, that the horns of the giraffe are composed of a congeries of hairs nearly in the same manner as those of the rhinoceros; Their blunt or truncated points feem to favour this idea. Befides, if we confider that, in all animals, which carry swood inflead of horns, as the elk, the rein-deer, the ftag, the roebuck, &c. this wood is always divided into branches or antlers, and that, on the contrary, the horns of the giraffe are fimple, and confift but of one ftem, we will be convinced that they are not of the fame nature, unless analogy, in this inflance. be entirely violated. The tubercle on the front, which appears to be a third horn, ftrengthens this opinion. The two horns, which are not pointed, but blunt at the extremities, are perhaps only tubercles; of a greater length than the former. The females, according to the teftimony of all travellers, have horns as well as the males, only they are fomewhat fmaller. If the giraffe really belonged to the deer kind, analogy would again fuffer violation; for, among all the animals of this kind, none of the females, excent the female rein-deer, have horns, and we have given the reason of this phænomena. On the other hand, as the giraffe, on account of the excessive height of its limbs, cannot feed upon herbage, but with great difficulty; as its chief and almost only food consists of the leaves and buds of trees, it may be prefumed, that the fubfrance of the horns, which are the most conspi-

cuous

cuous refidue of the organic particles derived from the food, is analogous to wood, like that of the flag. Time will confirm one or other of thefe conjectures. A fingle word more added to Haffelquift's minute description would have determined the genus of this animal. But school, boys, who have only their mafter's gamut in their heads, or rather in their pockets, must perpetually blunder, and make the most effential omisfions; because they renounce that spirit of refearch which ought to guide every observer, and fee only through the false medium of arbitrary arrangements, which prevents them from reflecting on the nature and relations of the objects they meet with, and obliges them to describe upon a bad model. As every object differs materially from another, the whole should be treated in a different manner. A fingle character happily difcovered, is more decifive, and conveys more knowledge of the fubicat, than a thousand minute and trifling features: for in proportion to their number, they necessarily become equivocal and common, and, of course, superfluous, if not hurtful to the real knowledge of Nature, who fports with the rules we prescribe to her, soars above all methodical distributions, and can only be perceived by the penetrating eye of genius,

SUPPLEMENT.

WE here give the figure of a giraffe from a drawing transmitted to us from the Cape of Good Hope, which we have rectified in some points from the information of Mr. Bruce. With regard to the horns of this animal, we are still uncertain whether they are permanent, like those of the ox, antilope, goat, rhinoceros, &c. or whether they are annually renewed like those of the deer-kind. They feem to grow during the first years of the animal's life; but they never rife to a great height; for the longest which have been feen exceeded not twelve or thirteen inches; and they are generally not above fix or eight inches. We are indebted to M. Allamand. a celebrated Professor at Leyden, for the exact knowledge we have obtained concerning thefe horns. The following is an extract of a letter he wrote on this fubject to M. Daubenton, dated October 21, 1766.

Olcober 31, 1700.

1 have the honour to inform you, that I
am in possession of a stuffed giraffe. Both
you and M. de Bussion have sepressed a defere
to know the nature of its horns. I have cut
off one of them, which I fend you, that
you may have a more exact idea of it. You
will remark, that this giraffe was very young.
The Governour of the Cape, from whom I re-

ceived.

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ceived it, writes me, that it was killed when bying near its mother. Its height is about five feet, and its horns, of courfe, are thort, not exceeding two inches and a half. They are every where covered with fkin and hairs; and those at the point are much longer than the 4 others, and form a pencil, the height of which exceeds that of the horn. The base of the horn s is more than an inch broad, and confequently forms an obtuse cone. To discover whether it was hollow or folid, I fawed it through lon-' gitudinally, along with a portion of the skull to which it adhered. I found it to be folid. and a little fpongy, because it had not yet ar-4 quired all its confiftence. Such is its texture. 4 that it appears not to be composed, like that of the rhinoceros, of hairs united together; and it refembles the horns of the ftag more than those of any other animal. I would even fay, that there is no difference between thefe two fubstances, if I were certain, that a horn. alately fent to me under that name, was really the horn of a giraffe. It is ftraight, half a foot long, and pretty much pointed. There ' ftill remain fome veftiges of the fkin with " which it had been covered; and it differs from a ftag's horn only in figure. If these obser-' vations are not fufficient, I shall with pleasure fend you the two horns, that you may examine them along with M. de Buffon. With ' regard to this animal, I should farther remark,

OR CAMELOPARD. that the alledged difference between its fore

and hind legs feems to be greatly exaggera-' ted; for it is hardly perceptible in my young

" giraffe."

Befide these horns which are found on the head of the female giraffe, as well as on that of the male, there is, at almost an equal distance between the nostrils and eyes, a remarkable excrescence, which seems to be a bone covered with a foft fkin, and garnished with smooth hair. This offeous excrefeence is more than three inches long, and is much inclined toward the front, or makes a very acute angle with the bone of the nofe. The colour of this animal's robe is a bright fhining yellow, and the fpots are, in general, rhomboidal.

It is extremely probable, from the infpection of these horns, which are folid, and refemble in fubftance the horns of the ftag, that the giraffe may be ranked in the same genus: Of this there could not remain a doubt, if we were certain that he fied his horns annually. But it is now unquestionable that he ought to be separated from the ox-kind, and other animals whose horns are hollow. Meanwhile, we shall consider this large and beautiful animal as conftituting a particular and folitary genus, which corresponds very well with the other facts in Nature, who, in voluminous species, never doubles her productions. The elephant, the rhinoceros, the hippopotamus, and perhaps the giraffe, are animals forming particular genera, or folitary fpecies, who have no collaterals. This is a privilege which feems to be conferred folely on magnitude.

In a letter I received from Holland, the fubfcription of which was illegible, I had the following description of a giraffe: 'Africa produces no animal more beautiful

or more curious than the giraffe. From the opint of the nose to the tail, he is twenty-five feet long. He has received the name of Ca-4 melopard, because he somewhat resembles the " camel in the figure of his head, the length of 4 his neck, &c. and because his robe is vas riegated with irregular fpots, like that of the 4 leopard. He is found at twenty-four leagues 4 from the Cape of Good Hope, and is ftill " more frequent at greater diffances. The teeth 6 of this animal are fimilar to those of the flag. . His horns are a foot long: They are ftraight as a man's arm, garnished with hair, and seem 4 to be truncated at their extremities. The neck * constitutes at least one half of the length of * the animal, which, in figure, pretty much re-' fembles that of a horfe. The tail would also be pretty fimilar, if it were equally furnished " with hair as that of the horse. The legs are * like those of the stag; the feet are garnished s with very black, obtuse, and widely separated 4 hoofs. When the animal leaps, he first raises

4 the

OR CAMPLOTANCE of the two fore feet, and then those behind, as a horie would do who had his two fore feet tied together. He runs flowly, and with a bad sgrace: He may be easily overtaken in the chale. He carries his head always high, and feeds on the leaves of trees only, being unable to patture on the ground, on account of his great height. When he drinks, he is obliged to reft on his knees. The females are generally of a bright yellow colour, and the males of a brownith yellow. Some of them are nearly white, with brown or black frost.

Supplement from Schneider's Edition.

M. de Buffon, with much propriety, blames our modern nomenclators, becaufe, when treating of the giraffe, they are filten with regard to the nature of his horns, which alone can form a circitorio to affectain the fpecies to which he belongs; and beaufe they give dry and minute decirptions, without adding a figure. We thall endeavour to fupply both these decirptions, when the properties of the protact of the properties of the properties.

Me delamand, professor of natural history
in the university of Leyden, is in possession
the fussed skin of a young girafie. He obligingly communicated to us a drawing of it,
which we caused to be engraven; and he
added the following description.

12 · M. Tul-

. M. Tulbagh, governour of the Cape of Good . Hope, who has enriched our academical ea-· binet with many rare productions of nature writes me, that the young giraffe in our pof-6 feffion was killed by his hunters at a confiders able diffance from the Cape, when lying near ' its mother, whom it still fucked. Hence it appears, that the giraffe is not peculiar to . Æthiopia, as Thevenot has alledged.

" As foon as I received it, I examined the 4 horns, with a view to elucidate M. de Buffon's 4 doubt with regard to their fubftance. They s are not hollow like those of oxen and gouts. but folid, and nearly of an uniform texture, 4 like those of the stags, from which they differ only in being thinner, ftraighter, and not dis vided into branches, or antlers. They are totally covered with the fkin of the animal: and, for three fourths of their length, this . fkin is furnished with short hair, similar to s that which covers the body. Toward the s points, the hair becomes longer, rifes about three inches above the blunt end of the horns. and is of a black colour. Hence it is very 4 different from the down on the young horns of the flag.

. These horns appear not to be composed of united hairs, like those of the rhinoceros. 'Their texture is likewife totally different, When fawn through longitudinally, we perceive that they confift of a hard plate, which conflitutes

conflitutes their external furface, and incloses a fpongy fubftance. This, at leaft, is the cafe with the horns of my young giraffe. Perhaps the horns of adults are more folid. M. de ' Buffon is now in a condition to determine this opint; for, along with the horns of my giraffe, I fent him another belonging to one more ad-' vanced in years, which a friend of mine re-' ceived from the East Indies.

' Though these horns are folid, like those of the flag, I suspect that the animal does not shed them annually. They feem to be an excrefcence of the frontal bone, like the bone which ' ferves as a nucleus to the hollow horns of oxen ' and goats; and, confequently, it is impossible that they can fall off. If this conjecture be ' well founded, the giraffe conflitutes a parti-' cular genus, perfectly diffinct from the animals ' which shed their horns, and also from those ' which have hollow but permanent horns.

' In the middle of the front of adult giraffes, there is a protuberance which feems to be the ' rudiments of a third horn. No fuch protuberance appeared in our giraffe; probably because it was too young.

' All the authors, both ancient and modern, who describe this animal, tell us, that the fore ' less are twice as long as the hind ones. They could not possibly be deceived concerning a ' character fo ftriking. But I can affirm, that, ' in this article, the giraffe must change greatly in growing; for, in our young one, the hind bees were equally long with those before. This ' circumstance, however, prevents not the ante-' rior part of the giraffe from being higher than the posterior, which is owing to the difference in the thickness of the body, as may be feen in the figure. But this difference is by no means ' fo great as has been represented.

'The neck of the giraffe is the first thing which firikes a spectator. It is longer than ' that of any other quadruped, not excepting the camel, who, belides, folds his neck in different ways, which the giraffe feems to be in-' capable of performing.

' His colour is a dirty white, interfperfed with e vellowish foots, very near each other on the e neck, more distant on the rest of the body, ' and of a figure which approaches to a paral-

4 lelogram or rhomb. ' The tail is flender, in proportion to the e length and stature of the animal. Its extremity is garnished with a tust of black hairs, which are feven or eight inches long. . The mane is composed of reddish hair,

three inches long, and inclined toward the hind part of the body. It extends from the head along the neck, and down to the middle of the back; and, at the distance of some ' inches, it is again continued; but the hair inclines toward the head. It feems to recome ' mence near the origin, and to extend to the extremity extremity of the tail: But the hairs are fhort, and fearcely to be diffinguished from those

which cover the reft of the body.

' The eye-lids, both superior and inferior, are garnished with a range of very stiff hairs. There 4 are fimilar hairs, but thinly feattered, round the & mouth

' The aspect of the giraffe indicates a mild and docile animal; and this is the character given of him by those who have seen him alive.

' This description of the giraffe, added to what M. de Buffon has collected from different authors, and accompanied with the figure, is fufficient to give us more exact ideas

' concerning this animal than we had hitherto

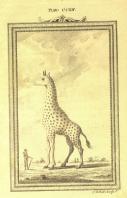
6 obtained.

M. Alamand's great knowledge and accuracy, in every subject of which he treats, are apparent from the above description. I would have copied his engraving, if his giraffe had not been too young. The figure I have given is that of an adult. I shall only remark, that I suspect the longest of the horns he was so obliging as to fend me, does not belong to a giraffe. The fhort ones are very thick, while it is very thin, in proportion to their refrective lengths. In the anonymous description above related, it is faid, that the horns of the adult giraffes are a foot in length, and as thick as a man's arm. If the horn under confideration, which is half a foot long,

1 2

really belonged to a giraffe, it ought to be double its prefent thickness. Befides, this pretended horn of a giraffe is fo fimilar to the first horns of a young stag, that it may be regarded as belonging to the latter animal.

As to the nature of the giraffe's horns, I am inclined to adopt M. Alamand's opinion, The protuberance on the front, which is unqueffice. ably offeous, makes a kind of third horn. The horns adhered to the cranium, without the funport of moulds; and, confequently, ought to be confidered as offcous prolongations of the beneof the head. The hair which furrounds and overtops them has no refemblance to that which covers the young shoots of the stag, or fallow deer. This hair feems to be permanent, as well as the fkin from which it iffues. Hence the hors of the giraffe is a bone, and differs from that of the ox by its covering, the latter being furrounded with a horny substance, or hollow horn, and the former with hair and fkin.



GIRAFFE