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From this paffage, it might be thought that I was deceived with regard to the animal repreferted by Seba, tab. 37. fig. 2. However, I have fiad precifely the fame thing with M. Vofmaër; for I expertfed myfelf in the following words: "The animal called tamandua, mytaccophage d'Amerique, by Seba, tom. i. no.

tab. 37. fig. 2. has no refemblance to any of the three of which we are here treating.' Now. the three American animals which I mentioned were the great, middle, and least ant-eaters. What M. Vofmaër remarks, therefore, contradicts nothing I have advanced; which amounts to this, that thefe three animals are peculiar to America, and not to be found in the Old Continent. This language is fo precife, that M. Volmaër can have nothing to oppole to it. If the myrmecophagus of Seba, tab. 37, fig. 2. is found in Africa, it only proves that Seba was deceived when he calls it the American myrmecopbagus, but can have no effect upon what I have advanced, and ftill perfift in maintaining, that the three ant-eaters are found in America. and not in Africa.

## The SHORT TAILED\*, and the LONG TAILED MANIS+.

THESE animals are commonly known by the name of fealy lizards. We have rejected this denomination, 1. because it is compounded; 2. because it is ambiguous, and is ap-

The back, fides, and upper part of the tail of these animals, are covered with large strong scales. The mouth is small, and the tongue long. They have no toeth.

famil, and the tongue long. They have no teeth.

The floor tailed feely fixed has the back, fides, and legs, covered with blunt feales, and brilles between each. There are five toes on each foot, and the tail is not longer than the body. The ears are not unlike the human. The chin, belly, and infide of the legs are hairy of Penaules', Sunct. or See

7. 339. The Indians of the fouth of Afia call this animal pageslies, or pageslies. The French who live in the East Indies call it learned cashings, and disable of Jeous. Paggesling, according to Scho, fignifies, in the language of Java, an arised school of the Conference of the

Lacertus Indicus fquame6us; Bearii Java, p. 60.
Lezard Ecaillé; Mem. pour feroir à l'Hift, des Animaux, pars

E. p. 87.

Armadilles (quamatus major Ceylanicus, fea Diabolus Taisovanicus didus; Scho, tow. i. p. 88. tab. 51, 54. Klein Pond.

2.47.
Pholidotus pedibus anticis et pofficis pentadactylis, fquamis

Manis pedibus pentadaflylis; Lian. Syf. Nat. p. 52. † The long tailed fealy lexard has a flender note, which, with the head, is smooth. The body, lexy, and tail are suited.

The body, legs, and tail are guard-

plied to both species; 3. because it is improper, these animals being not only of a different species. but of a different class from the lizards, which are oviparous reptiles; instead of which, the animals under confideration are viviparous quadruneds \*.

All lizards are entirely covered with a fmooth fkin, variegated with fpots which refemble fcales. But the short and long tailed manis have no feales on the throat, breaft, and belly. The long tailed manis, like other quadrupeds, has hair on all the inferior parts of the body; and the short tailed manis has, on these parts, a fmooth skin only, without hair. The scales which cover the other parts of both these animals adhere not entirely to the fkin, but are flrongly fixed by their under part only. Like the quills

ed by long, fharp pointed, firiated feales. The throat and belly are covered with hair. The legs are fhort. There are four claws on each foot, one of which is very fmall. The tail tapers a little, but ends blunt. The length, from sofe to tail, four inches and a half; Pennant's Synopf, of Dood, p. 128,

Scaly ligard : Green's Ravitite, a. aft. Lacerta Indica Yvannie congeners Aldrev. de Quad. Digit.

Philodotus pedibus anticis tetradaffylis, squamis morrocestis, cauda longistima; Brifin. Quad. p. 19. Nete, Both of these ani-

. The author adopts the East Indian names, penyelis, and

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of the porcupine, they are moveable, and are elevated or depressed, according to the will of the animals. When irritated, they erect their feales, and particularly when they roll themfelves un like a ball. These scales are so large, hard, and poignant, that they repel every animal of prev. They form an armour which wounds as well as refifts. The most cruel and famished creatures, as the tiger, panther, &cc. endeayour in vain to devour these animals. They trample upon, and tofs them about; but, whenever they attempt to feize them, they receive very dangerous and painful wounds. No animal of prey is able to face, crush, or suffocate them, although it loads them with its whole weight. The fox is afraid of the hedge-hog when rolled up; but he forces it to extend, by trampling on it with his feet. As foon as the head appears, he feizes it by the fnout, and thus accomplishes his purpose. But, of all animals, without excepting the porcupine, the armour of the manis is the most offensive. When these animals contract their bodies, and prefent their armour, they brave the fury of all their enemies. Befides, when rolled up, these animals affume not, like the hedge-hog, a globular figure: Their body, in contracting, takes the form of a clue; but their long thick tail remains without, and ferves as a ring or belt to the body. This exterior part, by which it would appear the animals might be feized, defends itfelf; for it is

these relations and differences, not only by infpecling three subjects, but likewise by perusing all the remarks of travellers and naturalists.

The short tailed manis, when full grown, is from fix to eight feet long, including the tail, which is nearly the length of the body, but apnears to be proportionally fhorter while the animal is young; the feales are also fmaller and thinner, and of a paler colour; but, in the adult animal, their colour becomes deeper, and they acquire fuch a degree of hardness as to refift a mufket ball. The long tailed manis, as formerly remarked, is much lefs than the fhort tailed faccies. Both of them have fome relation to the great and middle ant-caters; for they feed upon ants, have very long tongues, a narrow mouth, without any apparent teeth, very long bodies and tails, feet and toes nearly of the same size and figure, though different in number, both fpecies of manis having five toes to each foot, while the ant-caters have only four on the fore feet. The latter are covered with hair, and the former with scales; neither are they natives of the same Continent. The ant-eaters are found only in America, and the two species of manis in the East Indies and Africa, where they are called quogelo " by the negroes, who eat the flesh of these

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furnified, both above and below, with feales as hard and fharp as thofe which cover the body; and, as it is convex above and flat below, and, as it is convex above and flat below, and has nearly the figure of a half pyramid, the angular fides are covered with fharp erected feales; fo that the tall feems to be fillil more carefully defended than the body, the inferior parts of which are deprived of feales.

The fhort failed manis is larger than the long tailed kind. His fore feet are covered with feales to their extremity; but the feet of the long tailed species, and even a part of the fore legs, are covered with hair only. The fcales of the former are larger, thicker, more convex, and less chamfered than those of the latter, which are armed with three sharp points, while those of the thort tailed manis are not pointed, but uniformly fharp. The long tailed manis has hair on the inferior parts of the body: The short tailed kind has no hair under the body : but, between the feales which cover the back, there are fome hairs as thick and long as hogs briftles. which are wanting in the long tailed species, These are all the effential distinctions that we have observed by examining the stuffed skins of both these animals, which differ so much from all other quadrupeds, that they have been regarded as a kind of monfters. The differences we have pointed out, being general and conflant, authorife us to conclude the fhort and long tailed manis to be distinct species. We recognised

<sup>•</sup> We find in the woods a quadroped which the negroes call puzzle. From the meth, to the extremity of the tail, it is covered with tharp fiches, refembling the leaves of the artichele. They are clofe, and fo thick and frong as to defend

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animals, which they reckon delicate and wholefome, and use their feales for feveral purpose. In fine, these creatures have nothing disjoiling about them but their figure. They are gentle and innocent, feeding only on infects. They run flowly, and cannot cleape from a man, but by concealing beneficies in holes of rocks, orit by concealing beneficies in holes of rocks, orit bring forth their young. They are two extraordinary species, not numerous, and very usself, and the strength of their torus feems to be intended to constitute the last shade between the figure of quadrupeds and that of repellers.

it against the claws and treth of the most rapatious animals. It is perpetually chased, and easily overtaken, by the tigers and leopards. But, as its claws and mouth would be a feeble defence against the dreadful tulks and talons of these animals, Nature has taught it to roll itself up like a ball, by folding its tail under the belly, and contracting its body in foch a manner as to prefent on all fides the fharp points of its feales. The tiger or leopard, when they turn the creature too rulely with their paws, receive foch wounds as oblige them to retire. The negroes kill it with battons, fell the fkin to the whites, and cat the flesh, which they say is white and dellcate, Its tongue is enormoully long, and covered with a vidcid liquor. It goes in quest of ants nests, and the houses of holes, or lays it flat upon the places where they pais. These infects, attracted by the odour, quickly run toward the tongue, remain entangled in the viscid liquor; and, when the tongue is properly loaded with them, the animal retracts it. and devours them. This creature is not mischievous. He never attacks any person, but, provided he can find a fuffiof this species that has been observed, is eight feet long, comprehending the tail, which is four feet; Vajage de Definarchais. 10w. i. p. 200.





SHORT-TAILED MANIS.



LONG TAILED MANIS.