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THE
ANIMAL KINGDOM,
ARRANGED ACCORDING TO ITS ORGANIZATION,
Serving as a
Foundation for the
NATURAL HISTORY OF ANIMALS,

and an
Introduction to comparative Anatomy

BY
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WITH FIGURES DESIGNED AFTER NATURE:

the
Crustacea, Arachnides & Insecta,

by
M. Latreille,

Chevalier of the Legion of Honour, Member of the Institute, Royal Academy of Sciences, & of the greater portion of other learned Societies in Europe, America, &c.

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with
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* This curious species is not noticed by Cuvier, no doubt from its very recent discovery. It has been figured in the Transactions of the American Philosophical Society, and described very fully by Dr. Harlow in the same work. From several peculiarities in structure, this animal approaches very closely to the ourangs, and on that account, we think should have precedence of the other Gibbons. We subjoin the letter of Dr. Burrough that accompanied the specimens furnished Dr. Harlow, which is interesting as a detail of a few distinguishing features of this singular species.

“The specimens of the ourang-outang or Gibbons, furnished you, were obtained by me during my late excursion into the interior of Bengal. They were presented to me by Captain Alexander Davidson, of the Honourable East India Company, stationed at Goalpara, situate on the Burrampooter river, in *Assam*. This district of country was formerly attached to the Burmese empire, but at present is in possession of the East India Company, and constitutes the north-eastern limits of their territory in this quarter.

“The ourang, of which I am now to speak, called by the Assamese ‘Hoolock,’ is to be met with on the Garrow Hills, in the vicinity of Goalpara, between latitudes 25 and 28 degs. north; and the specimens brought to this country by me, were taken within a few miles of the town of Goalpara. The full grown one, which at this time you have prepared, was in my possession, alive, from the month of January to May, when it died from a blow it received across the lumbar region, inadvertently inflicted with a small stick by one of my servants at Calcutta. They inhabit more particularly the lower hills, not being able to endure the cold of those ranges of the Garrows of more than 4 or 500 feet elevation. Their food, in the wild state, consists, for the most part, of fruits common only to the jungle in this district of country; and they are particularly fond of the seeds and fruits of that sacred tree of India, called the Popul tree, and which, on the Garrow Hills, attains a very large size. They likewise partake of some species of grass, and also the tender twigs and leaves of the Popul and other trees, which they chew, swallow the juice thereof, and reject the indigestible part. They are easily tamed; and when first taken show no disposition to bite, unless provoked to anger, and even then

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manifest a reluctance to defend themselves, preferring to retreat into some corner rather than attack their enemy. They walk erect; and, when placed upon a floor or in an open field, balance themselves very prettily, by raising their hands over their head, and slightly bending their arm at the wrist and elbow, and then run tolerably fast, rocking from side to side; and if urged to greater speed, they let fall their hands to the ground, and assist themselves forward, rather jumping than running, still keeping the body, however, nearly erect; if they succeed in making their way to a grove of trees, they then swing with such astonishing rapidity from branch to branch, and from tree to tree, that they are soon lost in the jungle or forest.

“The individual in question became so tame and manageable in less than a month, that he would take hold of my hand and walk with me, helping himself along at the same time with the other hand applied to the ground, as described above. He would come at my call, and seat himself in a chair by my side at the breakfast-table, and help himself to an egg, or the wing of a chicken from my plate, without endangering any of my table furniture. He would partake of coffee, chocolate, milk, tea, &c.; and although his usual mode of taking liquids was by dipping his knuckles into the cup and licking his fingers, still, when apparently more thirsty, he would take up the vessel from which I fed him with both hands, and drink like a man from a spring. His principal food consisted of boiled rice, boiled bread and milk, with sugar, plantains, bananas, oranges, &c., all of which he ate, but seemed best pleased with bananas. He was fond of insects; would search in the crevices of my house for spiders, and if a fly chanced to come in his reach, he would dexterously catch him in one hand, generally using his right hand. Like many of the indifferent religious castes of this country, he seemed to entertain an antipathy to an indiscriminate use of animal food, and would not eat of either the flesh of the cow or hog; would sometimes taste a little of beef, but never eat of it. I have seen him take fried fish, which he seemed to relish better than almost any other description of animal food, with the exception of chicken, and even this he would eat but very sparingly of, preferring his common diet, bread and milk, with sugar, fruit, &c. In temper he was remarkably pacific, and seemed, as I thought, often glad to have an opportunity of testifying his affection and attachment for me. When I visited him in the morning, he would commence a loud and shrill whoo—whoo—whoo—whoo, which he would keep up often from five to ten minutes, with an occasional intermission for the purpose of taking a full respiration; until finally, apparently quite exhausted, he would lie down, allow me to comb his head, and brush the long hair on his arms, and seem delighted with the tickling sensation produced by the brush on his belly and legs. He would turn from side to side, first hold out one arm and then the other, and when I attempted to go away, he would catch hold of my arm or coat-tail, and pull me back again to renew my little attentions to him, daily bestowed. If I called to him from a distance, and he could recognise my voice, he would at once set up his usual cry, which he sometimes gradually brought down to a kind of moan, but generally resumed his louder tone when I approached him. This animal was a male, but showed no particular marks of the sex; and by a casual glance, might readily, if not examined more closely, have passed for a female. I have no idea of his age; but, judging from the length and size of his canine teeth, suppose him to have been advanced in life.

“The other large ‘Hoolock,’ of which you have the cranium, was also a male, and full grown. He was likewise obtained from the Garrow Hills, in Assam, presented to me by my friend Captain A. Davidson of Goalpara. He came into my possession in the month of April, and died at sea in July, just before getting up with the Cape of Good Hope, of a catarrhal affection. His death probably might have been hastened from want of proper food; such as is not procurable on long voyages. This animal was similar in habit and general characters to the one already described; and may have been eight or ten years of age, or perhaps older; as I

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am informed by the natives of Assam, they live to the age of twenty-five or thirty years.

“The young specimen was also alive in my possession. This is a female, and was brought to me by a Garrow Indian at the same time the first was received; but died on the way from Goalpara to Calcutta, of a pulmonary disease following catarrh. This poor little creature, when first taken sick, suffered great pain and oppression at the chest, for which I prescribed a cathartic of castor oil and calomel, and a warm bath, which seemed to afford it some temporary relief, but she died after ten days’ illness. The animal appeared delighted with the bath; and when I removed her from the vessel, she would run back again to the water, and lie down again until again removed. She was, like the others I had in my possession, gentle and pacific in disposition, very timid and shy of strangers; but in less than a week from the time she was taken, would, if put down in an open place, quickly run to me, jump in my arms, and hug me round the neck. I supposed her to have been from nine months to a year old. I fed her on boiled milk, goat’s milk diluted with water and sweetened with sugar-candy. She also would sometimes partake of a little bread and milk, with the older one. She soon learned to suck the milk from a small bottle, through a quill covered with a piece of rag.”

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* Nearly allied to the *Cephalote* of Peron. Its fur is cinereous gray above, white pale beneath, and the belly undulated. The nostrils are tubular, distant, and open. The index finger is provided with a nail. The body is about four inches, and the wings one foot and four inches wide. The tail is not quite an inch.

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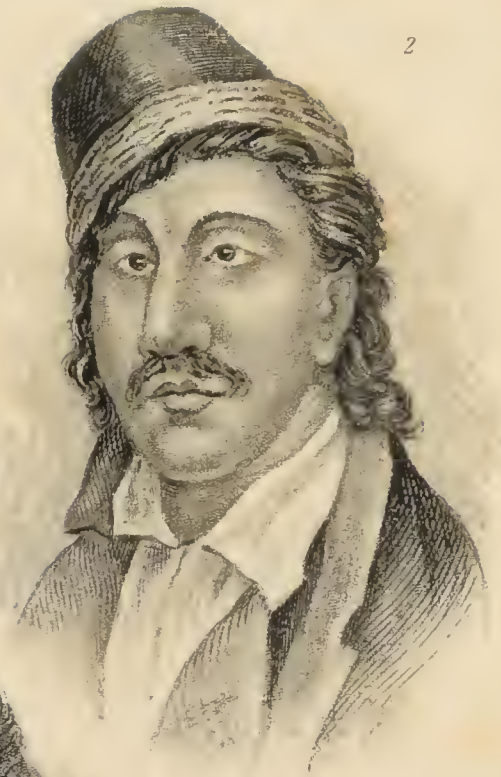
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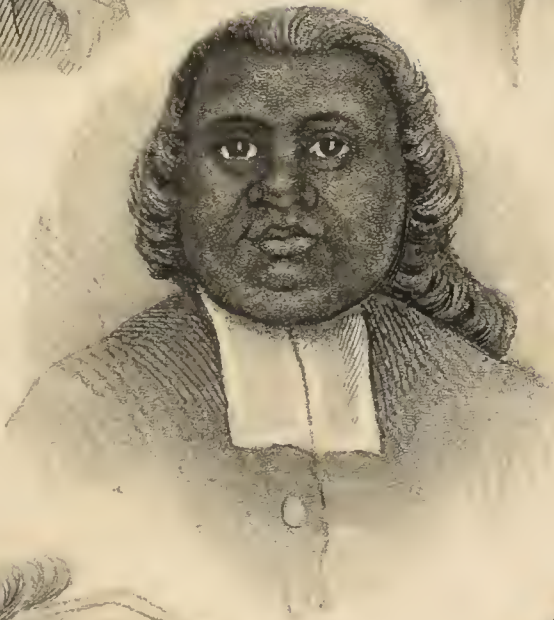
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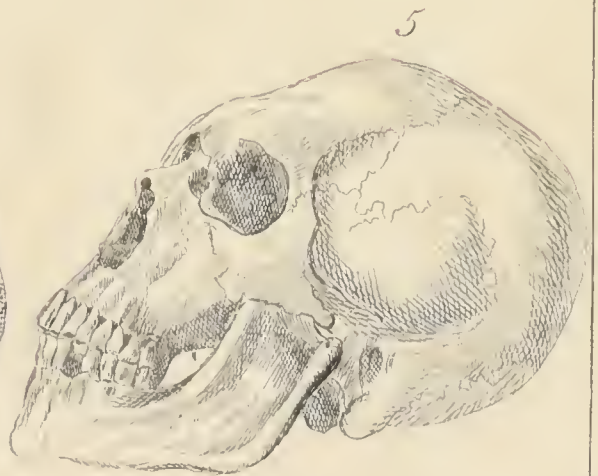
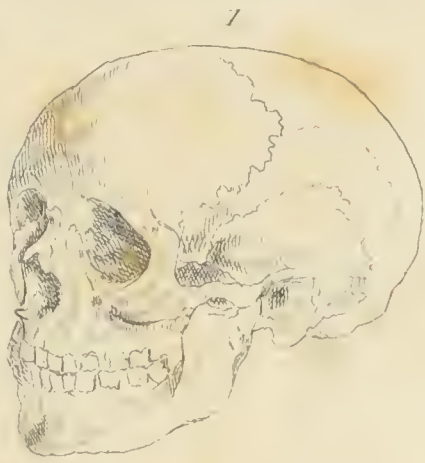
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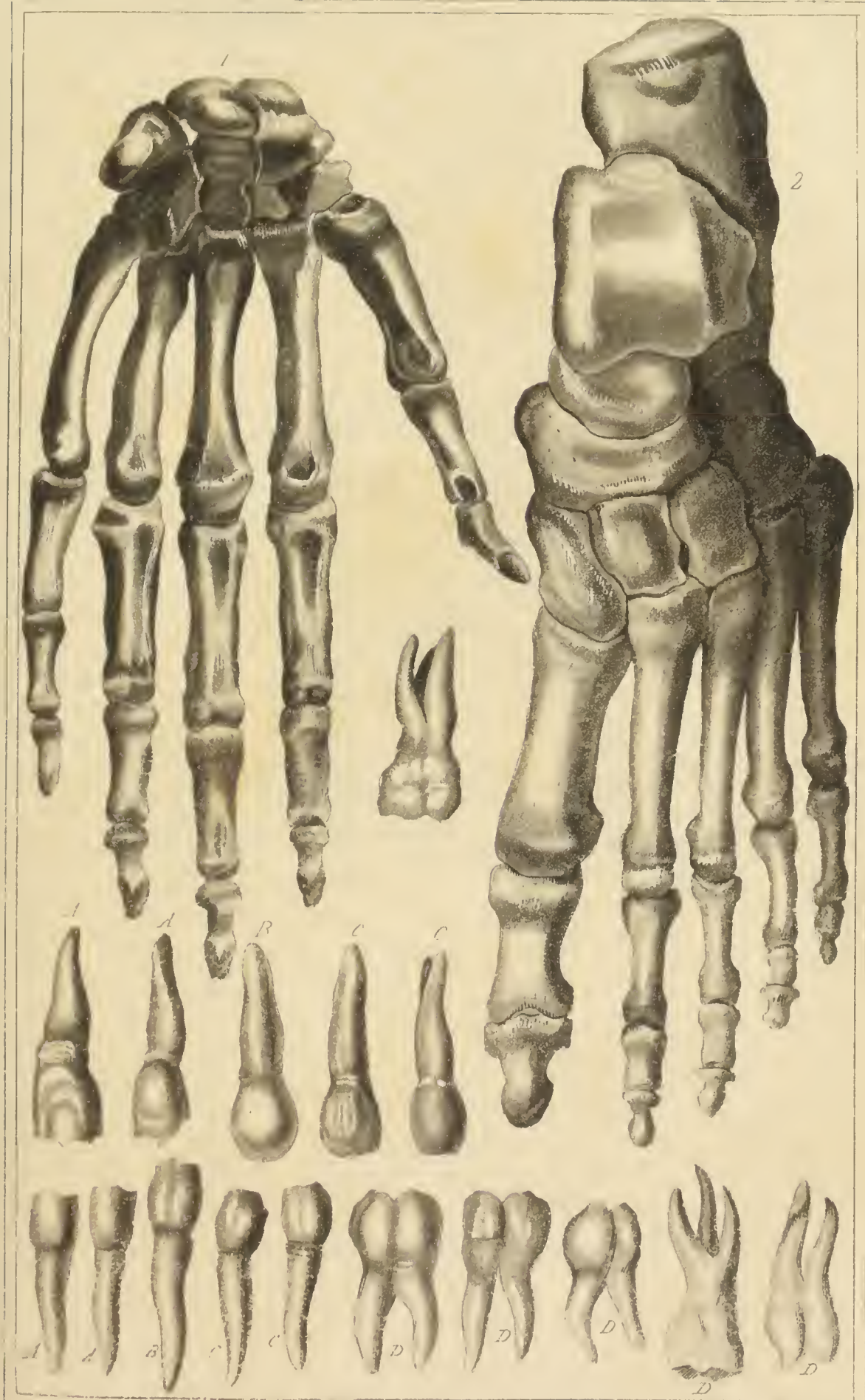
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1. Caucasian Variety of the Human Species 2. Mongolian Do. 3. Ethiopian Do. 4. American Do. 5. Malay Do.



1. Skull of a Georgian female (Caucasian Variety); 2. Skull of a Calmuck (Mongolian Variety); 3. Skull of a Negro (Ethiopian Variety); 4. Skull of a Carib as flattened by pressure in Infancy (American Variety); 5. Skull of a Carib as formed naturally (American Variety);



1. The left hand of a bear with its twenty-seven bones. 2. The left foot of a Man with its sixteen bones. A A is a canine tooth B is the canine tooth C the grinding teeth

1. from Anderson 2. Old Bailey





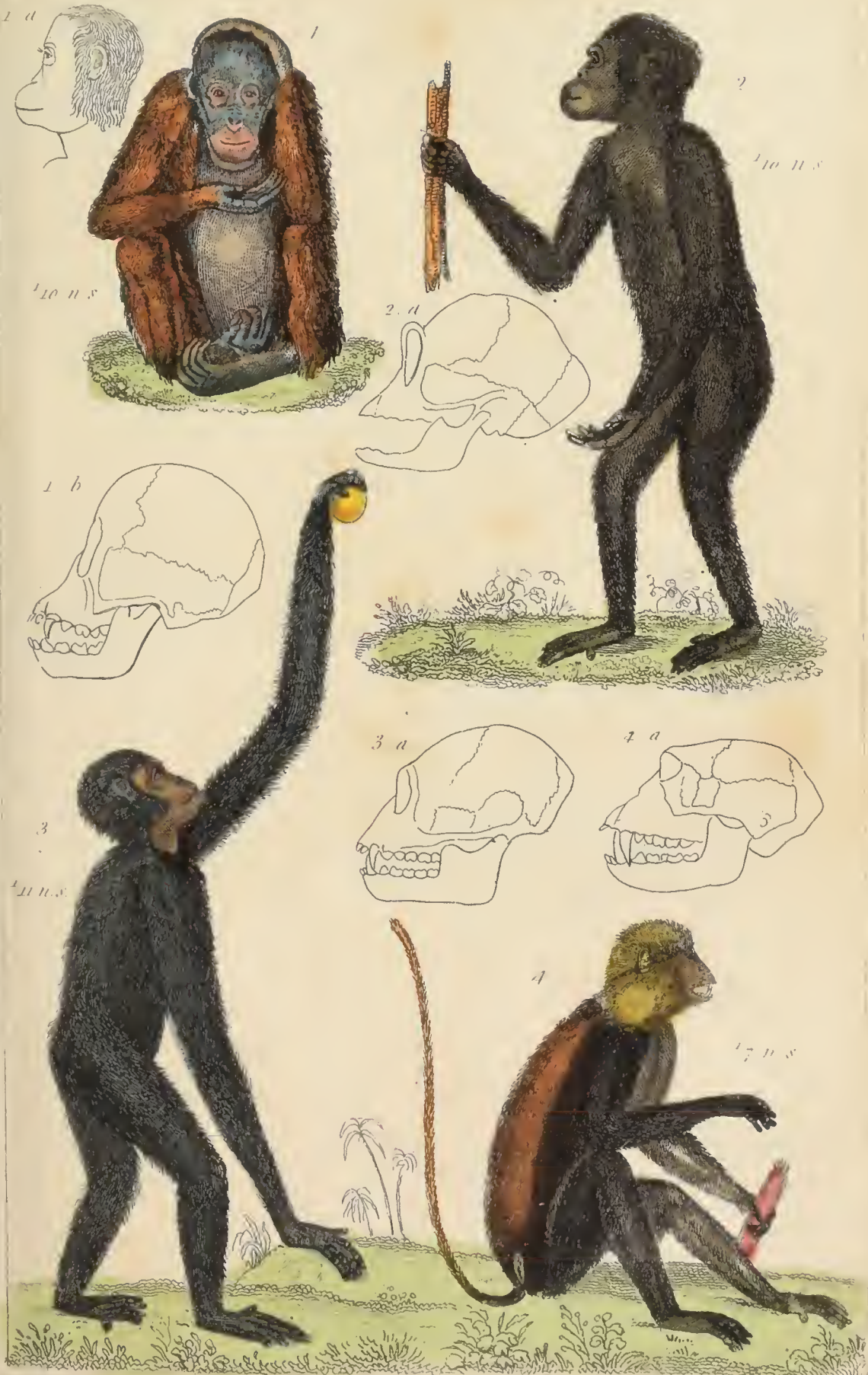
1. Canine Tooth of the Asiatic Orang Outang 2. Hyoid bone of the Red Howling Monkey
 3. Head of the Hoolock Monkey 4. Front of the Upper Jaw of the Asiatic Orang Outang a a Canine Teeth
 b b Cutting Teeth c c Cutting Teeth twice the breadth of the outside ones. 5. Dentition of the Pongo.

18 1/2



Front View of the
Orang Outang or Piquy of Tyson.

Engraved by Henderson & Co. Calcutta

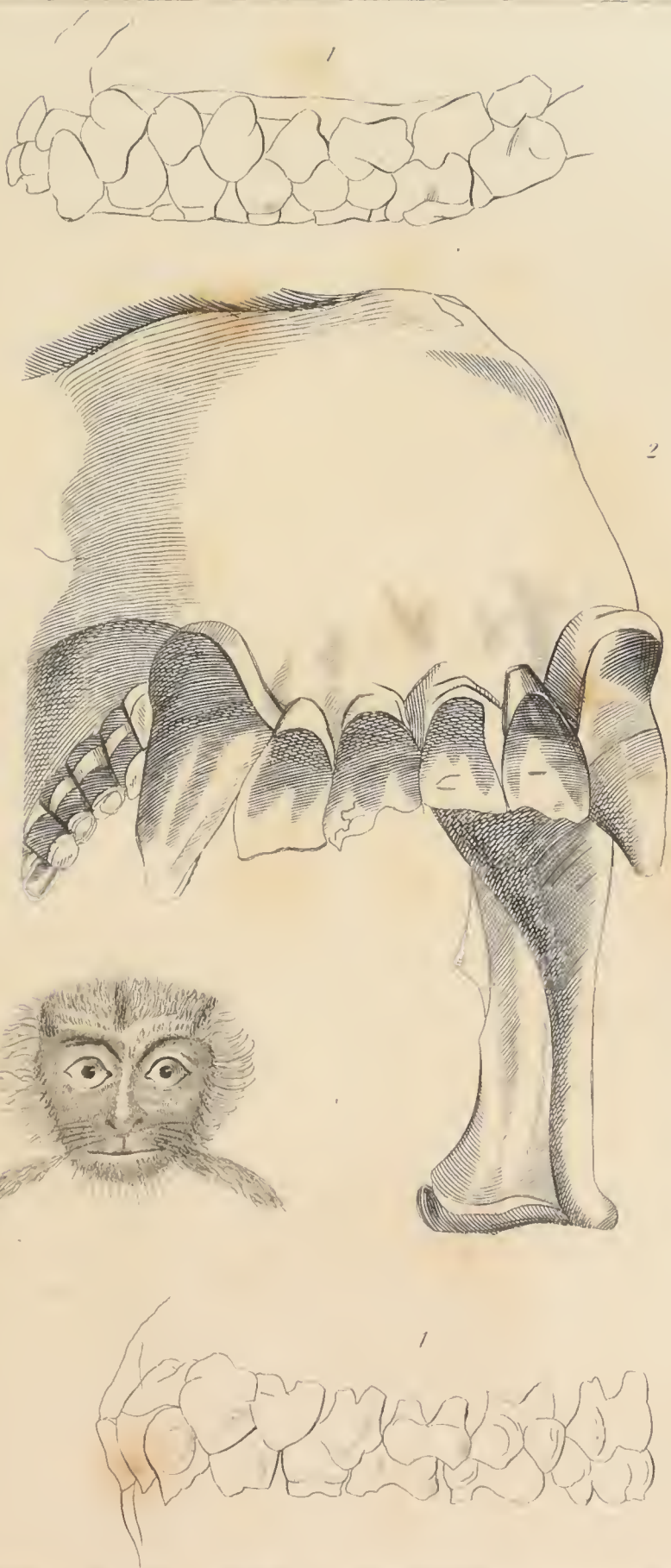


1. *Simia satyrus* (The Orang Outang) 2. *Simia troglodytes* (The Chimpanzee) 3. *Hylobates syndactylus* (The Siamang, another View see Monachia Pl 7) 4. *Cercopithecus mona* (The Mona)



Back View of the
Orang Outang or Piquy of Tyo





1 Dentition of the Howling Monkeys 2. The Lower jaw with the Teeth of the Asiatic Orang Outang. 3. The Face of the Bourroucoult. 4 Dentition of the Guenon Monkeys



1. *Semnopithecus metalophus*. Raf. (The Simpai) 2. *Macacus nemestrinus*. Fr. civ (The Brown Baboon)

3. *Inuus silvanus*. (The Barbary Ape)



1. Troglodytes Niger. (The Black Orang) 2. Pithecius Satyrus. (The Red or Asiatic Orang)
Orang. (Side View.)



1 *Hylobates syndactyla* (The *Stamang*). 2. *Lasiopyga nemea* (The *Cochin-China Monkey*).
3. Teeth of the *Cenopithecus*. *G. Geoff. N° III.*

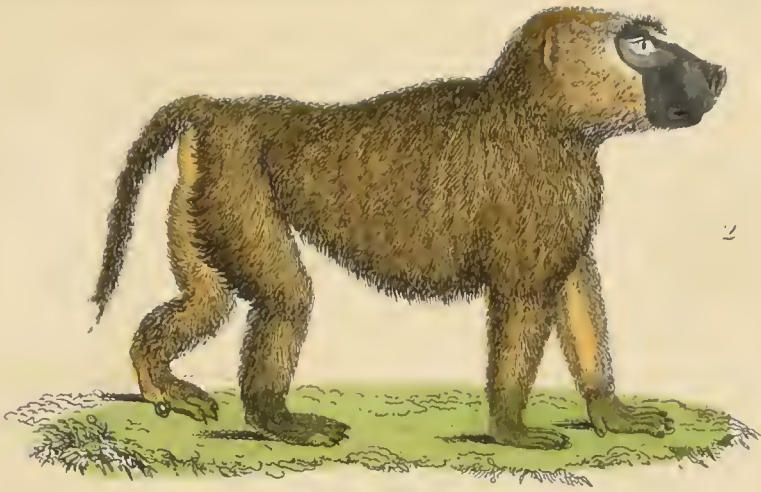


1. *Nasalis larvatus*. (The *Kahau* or *Proboscis Monkey*). 2. *Pithecius satyrus*. (The *Red* or *Asiatic Orang Outang*. (Erect View). 3. *Foot of the Stomang*. 4 & 5. *Dentition of the Semnopithecus Maurus*.



1 *Macacus silenus* (The *Cuanderow*) 2. *Pithecia melanocephala* (The *Cucajao*)
 3 & 4. *Teeth of the Cynocephalus*. Geoff. *S^t Hil.* 5. *Nose of the Rahau or Prebesco Monkey*. (*Nasalis larvatus*. Geoff. *S^t Hil.*)

London: G. Henderson & Co. 1845.



1. *Simia rufus*, Gm. 'The Patras' 2. *Cynocephalus papio*, Desm. 'The Guinea Baboon'

3. *Simia fatuellus*, Gm. 'The Horned Sajou'

2



1



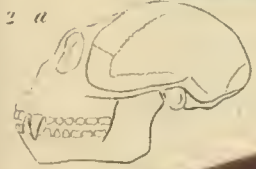
1. *Callithrix personata*, Geoff. The Masked Monkey 2. *Callithrix lugens*, Geoff.
The Mourning or Widow Monkey



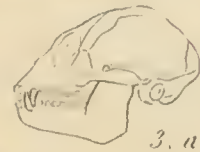
1. *Cynocephalus porcarius* (The Chacma) 2. *Papio naimon*, Geoff. S^e Hil. (The Mandril)
 3. *Myetes seniculus*, (The Red Howling Monkey)



$\frac{1}{10}$ n. s.



$\frac{1}{6}$ n. s.

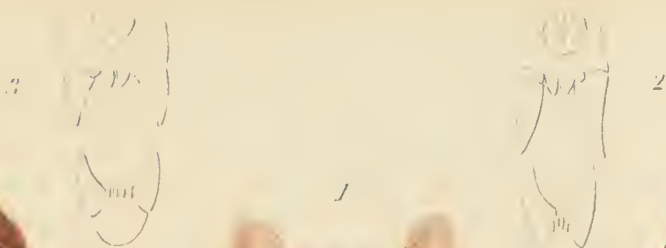


$\frac{1}{8}$ n. s.

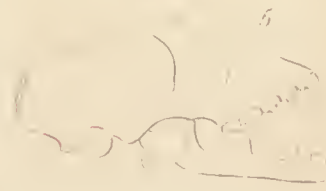
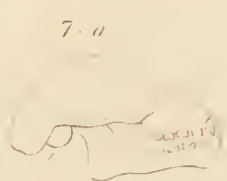
1. *Brachyteles hyposanthus.* / *The Miki* / 2. *Cebus apella* / *The Wesper Sapajou* /
 3. *Pithecia rufiventris.* / *The Red-bellied Saki* /



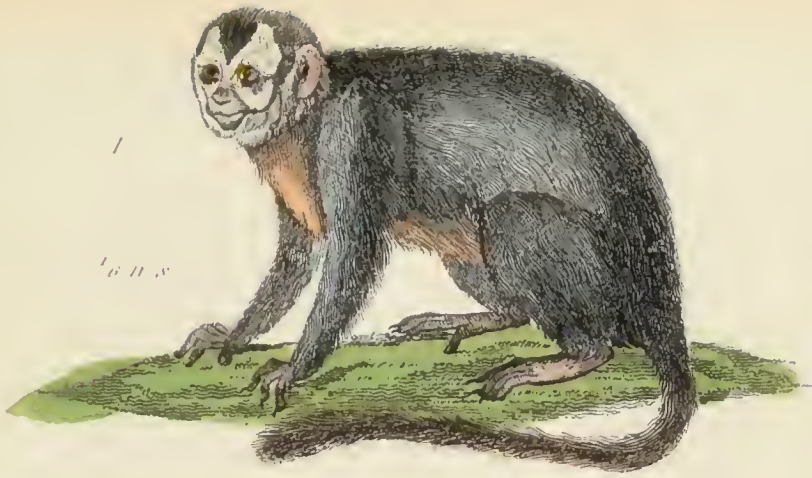
1. *Pteropus Dussumieri*, *isid.* Geoff. *N. H. H.* The Rousette of Dussumier. 2. *Pteropus Keratidreus* (The Rousette of Keratidren) 3. The Head of the *Cephalotes Fallaxii* Geoff. (Cephalote of Fallax) 4. *Molossus obscurus*, Geoff. (The Molossus Bat) 5. *Noctilio Leporinus tm* (The hair-tipped Bat)



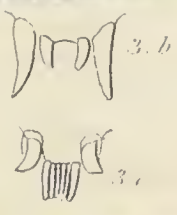
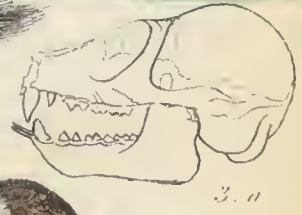
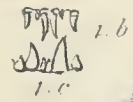
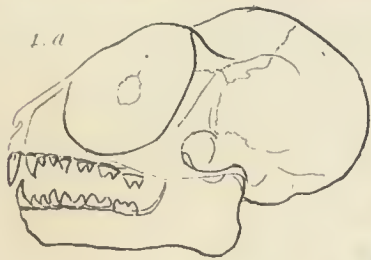
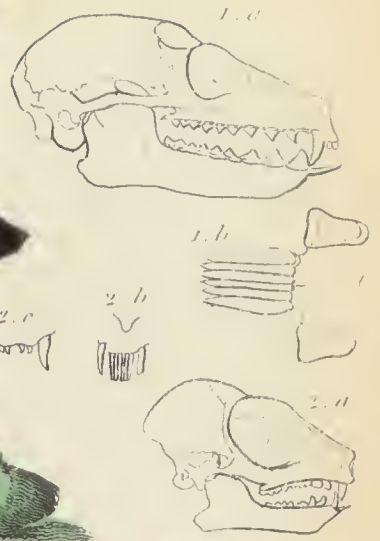
2 3 U.S.



1. *Phyllostoma carolinatum* Geoff. The Indented Saclin? 2 & 3 Teeth of *Phyllostoma a spectrum et ho status* Vampire & Javelin Bat. 4. Head of the *Megaderma trifolium* Geoff. Tripart leaf Bat. 5. Head of the *Meg* from s. Geoff. Leaf Bat. 6. Head of the *Rhinolophus tridens* Geoff. Three toothed Horse Shoe Bat. 7. *Nycterus Geoffroyi*. The Rear nose Bat.



1 *Nesohares trivirgata* The Douvroucouli. 2 *Hapale chrysoclytus* The Black Marikata
Lichanotus indri The Indri



1 Lemur ruber The Red Lemur 2 Galago senegalensis The Galago of Senegal
 3 Steudlops tardigradus (Moth of Feignal) 4 Tarsus spectrum The Tarsus



5

$\frac{1}{5}$ n. s

$\frac{1}{10}$ n. s

$\frac{1}{6}$ n. s

2

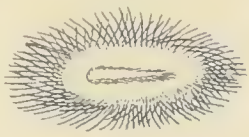
3
 $\frac{1}{9}$ n. s

4

$\frac{2}{18}$ n. s

- 1. *Galago crassicaudatus* the Great Galago
- 2. *Mustela lutreola* the White Vison of the Furriers
- 3. *Mustela lutra Brasiliensis* the American Otter
- 4. *Canis jubatus* the Red Wolf
- 5. *Koala cinerea* the Ash coloured Koala

London Gillenderson, 2. Old Bailey

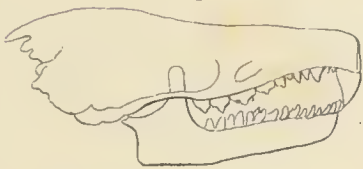


1. a



1

n. s.



2. c



2. d



2. e



1. b

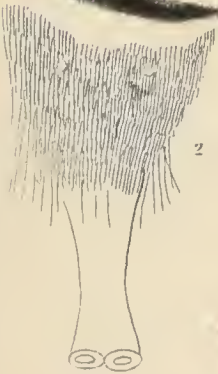


2. b.

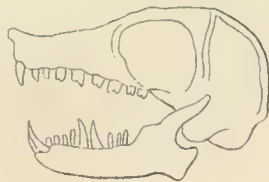


2

1/3 n. s.



2 a



3. a



3 b



3. c



3. d



3

1/3 n. s.

1. *Sorex araneus*, Lin. (The Common Shrew.) 2. *Mygale moschatus*, Lin. (The Russian Musk Rat.) 3. *Chrysochloris asiatica*, Lin. (The Golden Mole.)



1. *Taphozous mauritanicus*, Geoff. S^d Hd (The Mauritius Horse Shor Bat) 2. *Vespertilio pipistrellus*, Gm. The Pipistrelle
 3. *Plecotus timoriensis*, Geoff. The Timor Bat 1. *Galeopithecus rufus*, Geoff. The Red flying Lemur Bat

1

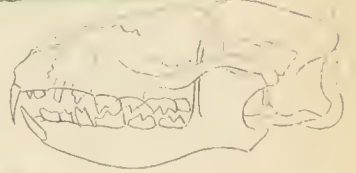


1/3 n.s.

2. a



2. a



2



1/2 n.s.

3



2. b



4. a



1



1/3 n.s.

1. *Ermineus europaeus* Lin. The Common Hedgehog. 2. *Centurus semistriatus* (The hooded shrew). 3. Head of the *Centurus setosus* (The Tundra shrew). 4. *Cladobates ferruginea* The Ferruginous Mole.



1

'24 n. s.



2

'16 n. s.

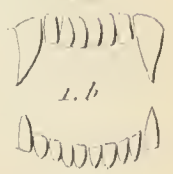
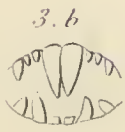
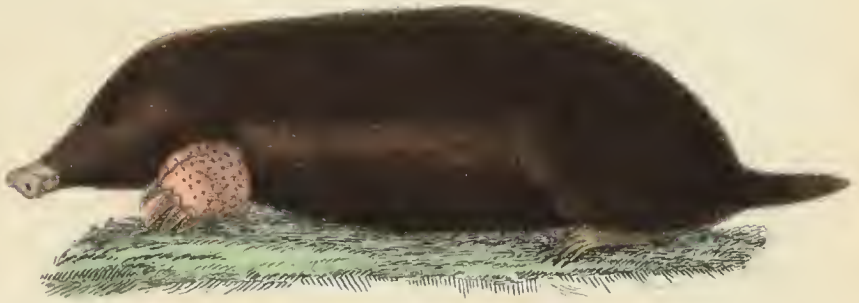


3

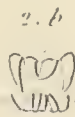
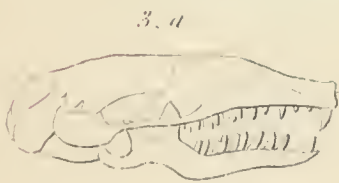
'12 n. s.

1. *Ursus labiata*. Blainv. The Thick lipped Bear / 2 *Ursus arctos*. The Brown or common Bear of Europe / 3. *Ursus malayanus*. Horsfield. The Malay Bear /

1



2



3

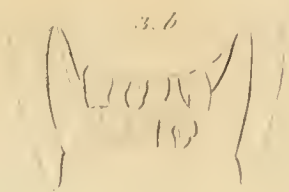
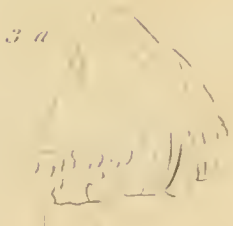
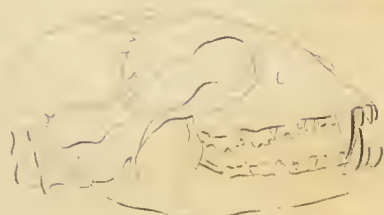


1. *Talpa europaea*, Lin. [The Common Mole.] 2. *Condylura cristata*, Lin. [The Radiated or American Mole] 3. *Scalops aquaticus*, Lin. [The Canadian Scalops.]



1. *Ursus americanus*. Gm. (The North American Black Bear) 2. *Ursus ferrox*. Lewis & Clarke. (The Grizzly Bear) 3. *Ursus maritimus*. The Polar Bear

London: G. Henderson, 2, Old Bailey.



1. *Ursus ornatus* (The Black Bear of the Cordilleras) 2. *Procyon lotor* Lin (The Raccoon)
 3. *Ailurus Redigens* (The Shining Panda)



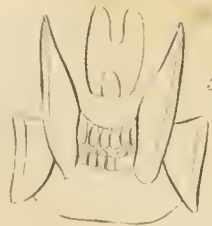
Heads of two Anomalous Mammiferous Animals
 1 2 3 the skull of the Aye-Aye (Cheiromys Madagascariensis) in three views
 the base 1 the top 2 the side 3.

4 5 6 the skull of the Wombat (Didelphis Ursina Shaw Phascologys ursinus Geoff. Cuv.)
 in three views the base 4 the top 5 the side 6.

London G. Henderson & J. P. B. Baile.



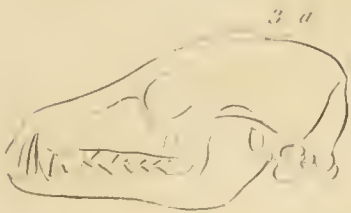
17 n.s.



3. b



2. a



3. a

3

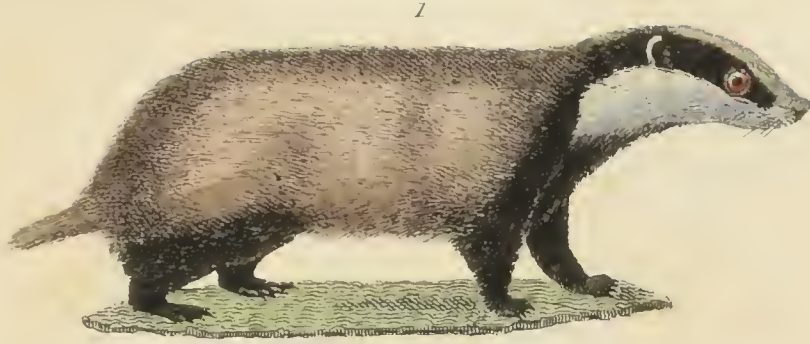


18 n.s.

1. Head of the White Bentwing.

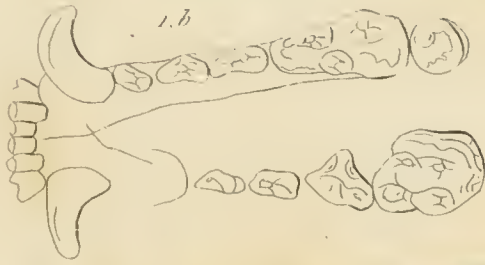
2. Potos condylyctulus The prehensile tailed Polka.

3. Nasua rufa (The Red Gouti)

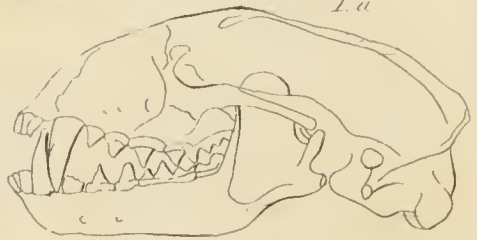


1

$\frac{1}{9}$ n.s.



1.b

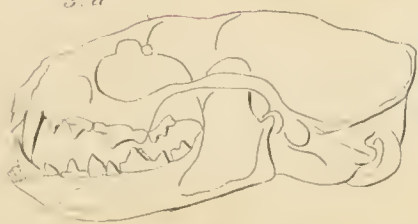


1.a

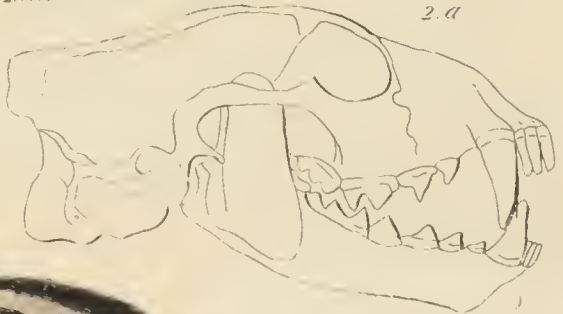


2

$\frac{1}{12}$ n.s.



3.a



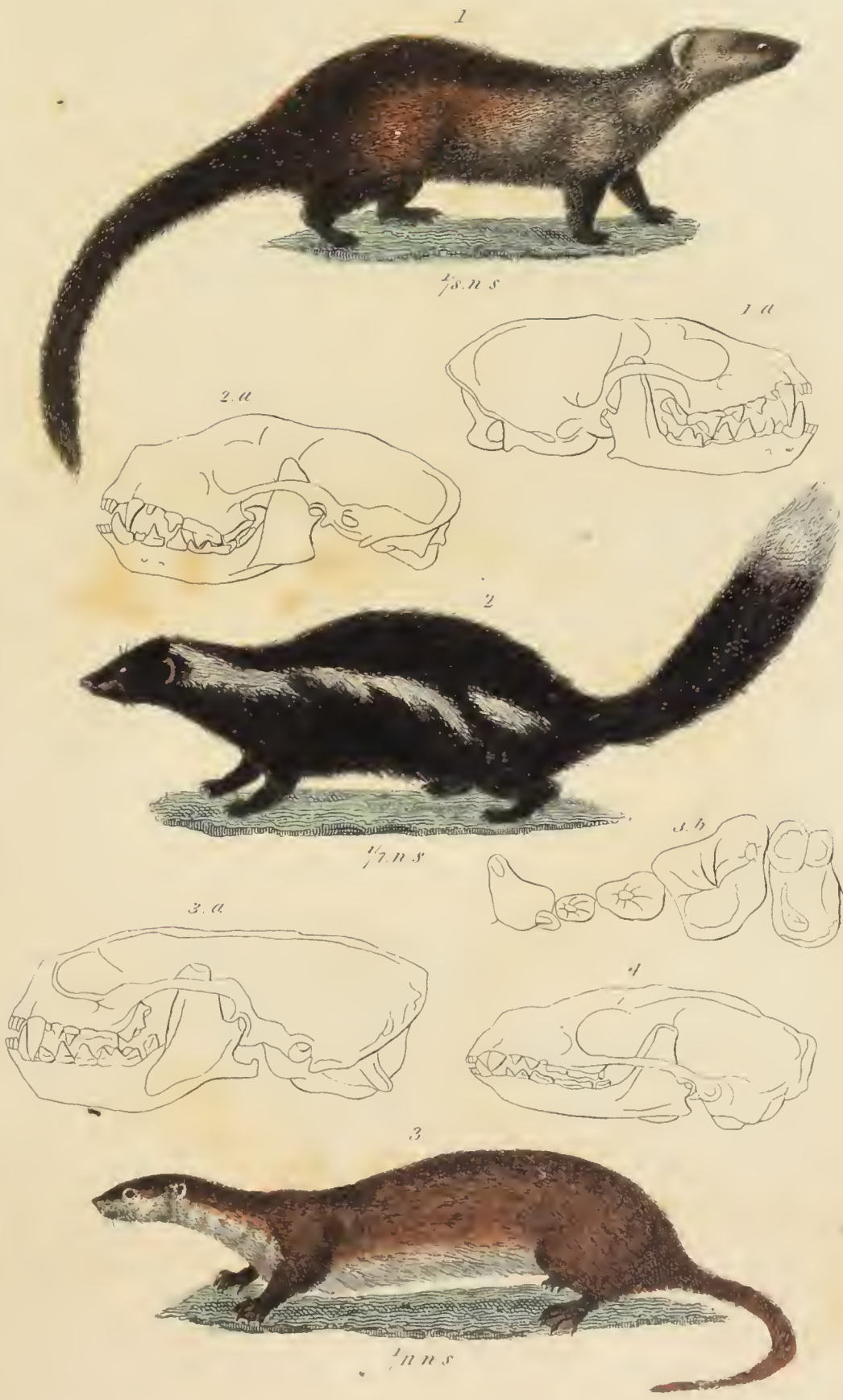
2.a



3

$\frac{1}{6}$ n.s.

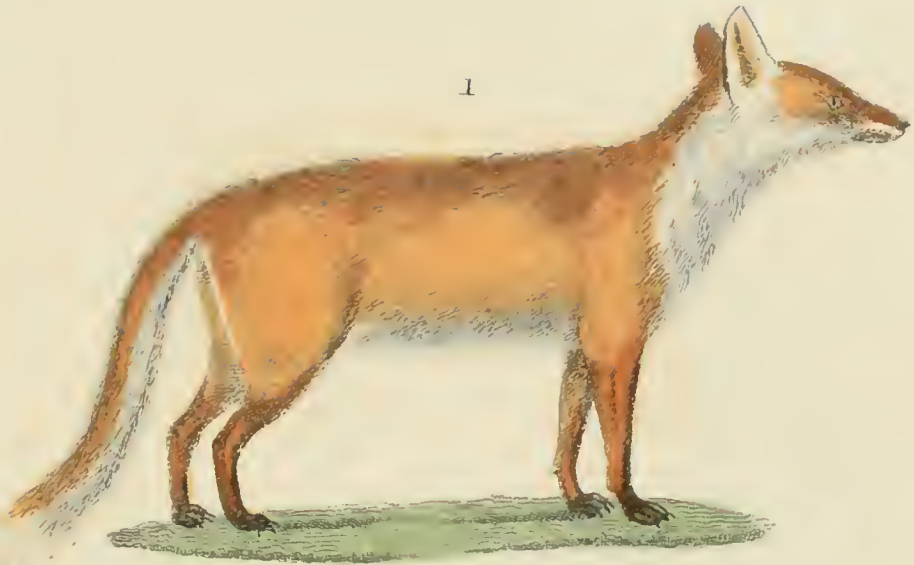
1 *Meles vulgaris* (The Common Badger) 2 *Gulo arcticus* (The Arctic Glutton) /
 3 *Putorius norillo* (The Cape Pole Cat or Zorillo)



1 *Mustela pekan* (The Canadian Marten or Pekan) 2 *Mephitis americana* The American Skunk
Lutra nair (The Pondicherry Otter) 4 Head of the Javanese Teledu.

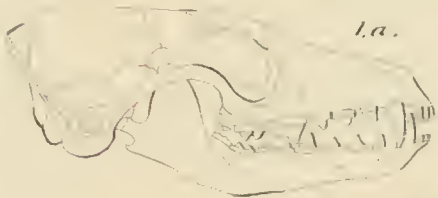


1. *Paradoxurus typus* (The Pangouire of India) 2. *Herpestes catina* (The Mongoose of India)
 3. Cranium & Jaws of (*Viverra zibethica*) the Sunkite 4. *Proteles laundii* (The Mangu of Island)

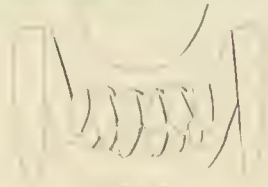


1

$\frac{1}{12}$ n.s.



1.a.

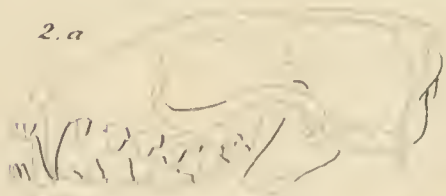


1.b.

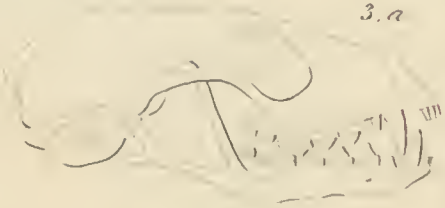
2



$\frac{1}{12}$ n.s.



2.a.



3.a.



$\frac{1}{7}$ n.s.

1. *Canis vulpes* (The common Fox) 2. *Niverra civetta* (The Civet)
 3. *Genetta Civ. Niverra genetta* Lin: (The common Genet)



1

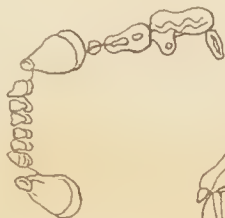


1/15 n.s.

1. a



2. b



2. c



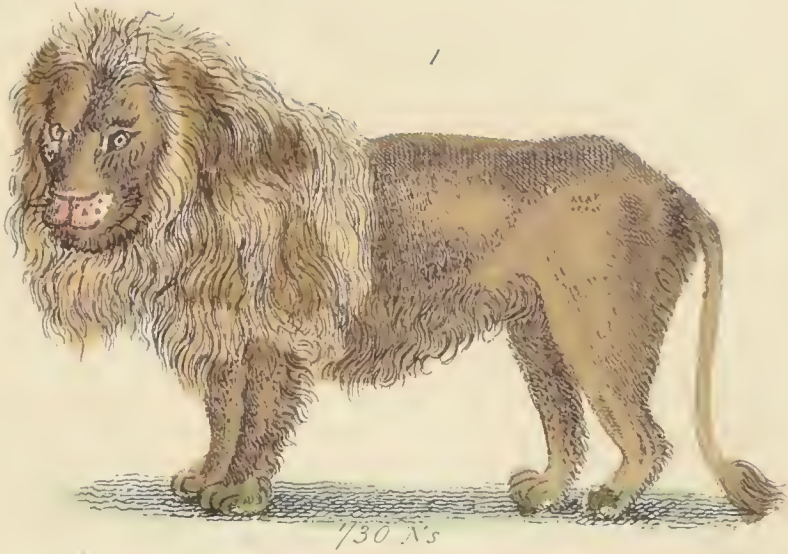
2



1/30 n.s.

1 *Ursus arctos* Thunberg (The Brown Bear)

2 *Panthera tigris* (The Royal Tiger)



1. *Felis leo* Lin. The lion 2. *Felis leopardus* Lin. The leopard
3. *Felis catus* Lin. The Domestic Cat



1. *Calocephalus rotundatus*. Lin. (The Common Seal) 2. *Macrorhinus proboscideus*. Cav. (The Elephant Seal) 3. *Otaria jubata*. (The Sea Lion of Steller, Pometti, &c.) 4. *Otaria ursina*. (The Sea Bear) 5. *Trichechus rosomurus*. Lin. (The Sea Cow of the Eastern Hemisphere)

London G. Scriver & Co. Del. & Lith.



1. *Didelphis cancrivora* The Crab-eating Opossum. 2. *Marmosa riveriana* White Marmosa. 3. *Perameles nasutus* Geoff. The Long-eared.



1. *Hypsiprymnus* White, Quoy et Gaim. The Kangaroo Rat or Potoroo. 2. Head of *Macropus major* Schaw (The Greater Kangaroo) 3. *Phascolomys cinereus* Gull. The Koala. 4. *Phascogale* Wombat, Per. (The Wombat)

London: G. Poulson, 2 Old Bailey



1. *Phalangiستا rufa* Geoff. (The female hollow-fronted Phalanger) 2. Head of the *Petaurus taquanoides* Desm. (Taquan Phalanger) 3. *Petaurus pygmaeus* Sch. (The Flying Dwarf Phalanger)





1 *Sciurus aurocaer*. Fr. Cav. / The Golden-bellied Squirrel / 2 Head of a Gashington / A Sort of Squirrel /
 3. *Pteromys volucella*. L. / The American Flying Squirrel / 4. *Chironomys madagascariensis* (Gmel.) / The
 Aye-Aye



1 *Hydromys chrysogaster*, Geoff. The *Hydromys*. 2 *Capromys leysii*, The *Moletia*.
 3 *Mus decumanus*, Pall. The *Sarsenet* or *Common Noisy Rat*.



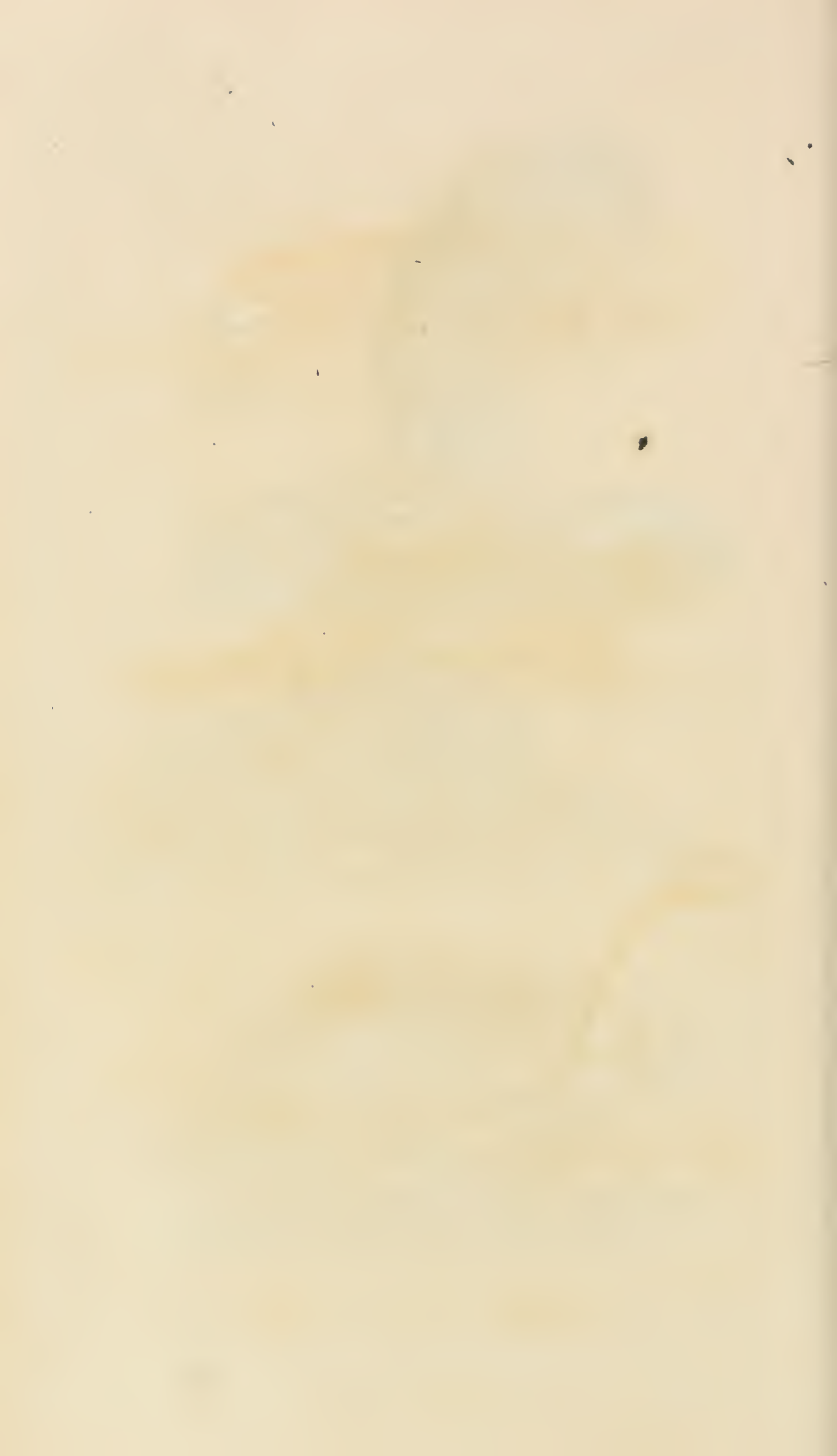
1. *Arctomys campestra*, Schv. The Quebec Marmot! 2. *Myoxus glis* L. The Fat Dormouse! 3. *Echimyus cayennensis*, Geoff. (The Cayenne Echimy!) 4. Head of the *Echimyus dactylinus*, Geoff. (Long toed Echimy.)



1. *Geomys bursarius* Shaw, *Inv.* (The Canadian Hamster) 2. *Castor fiber*, Buff., *Inv.* (The Beaver) 3. *Myopotamus cupus*, Molina, *Inv.* (The Coia)

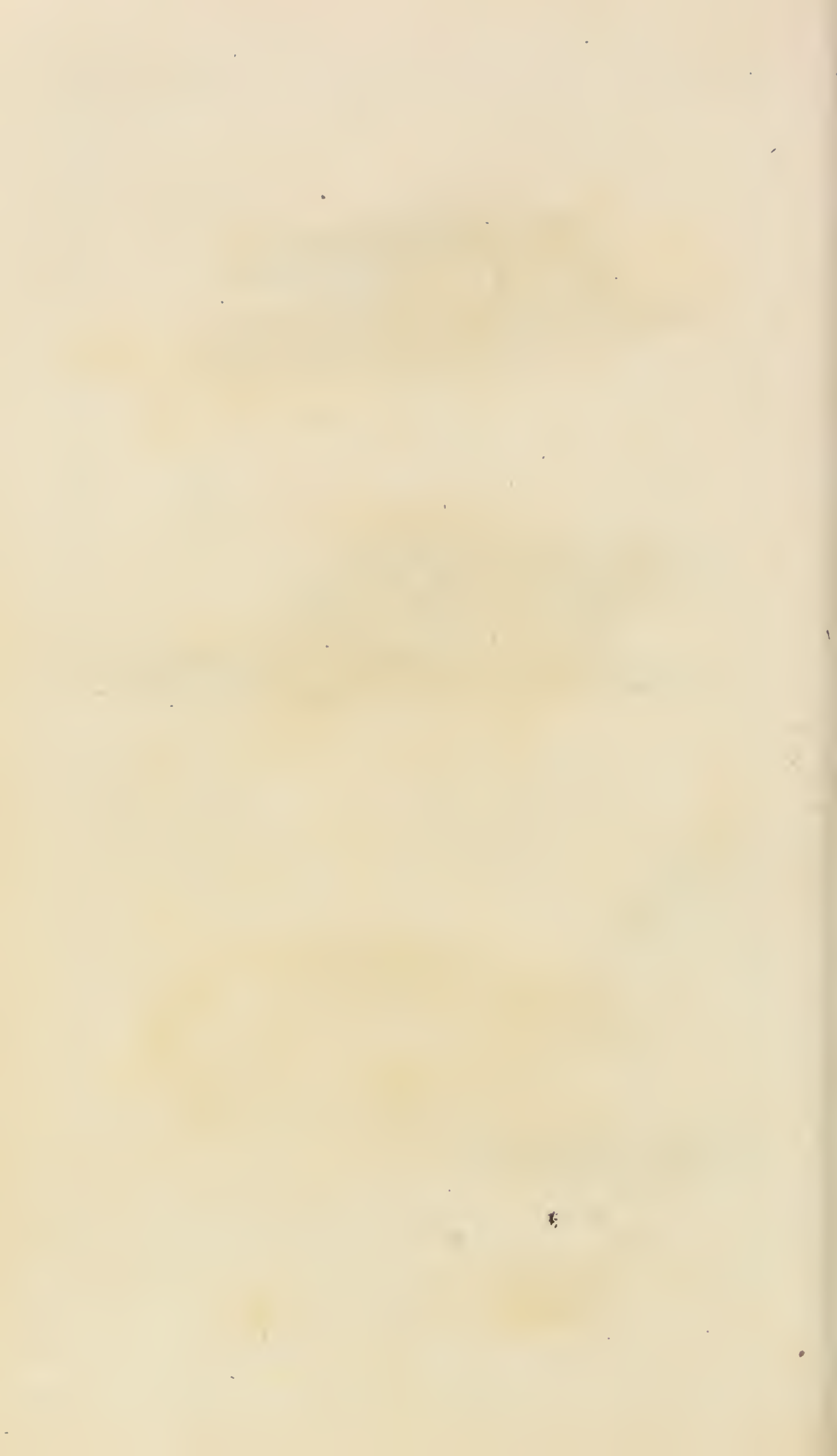


1. Gerbillus pyramidum. Isid. Geoff. The Gerbil of the Pyramids. 2. Cricetus vulgaris. Desm. The Common Hamster. 3. Arvicola aconomus. Desm. The Meadow tampaquole.





1. *Georychus lemmus*, L. (The Lemming) 2. *Otomys capensis* Fr. Cav. (The Cape Otomys)
 3. *Dipus hirtipes*, Lich. (The Hairy-footed Jerboa)

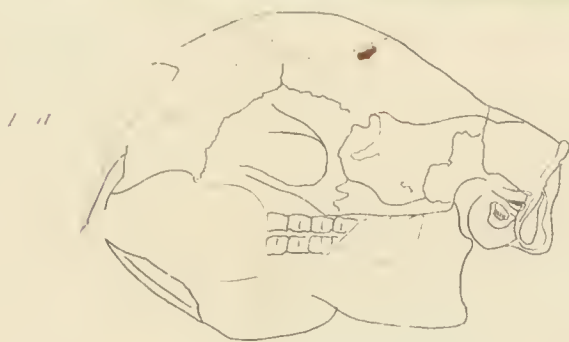




1 *Heteromys capperi*. The Jumping Hare 2 *Spalax typhlus*. The Blind Rat Mole
 3. *Bathergus maritimus*. The Maritime Rat Mole

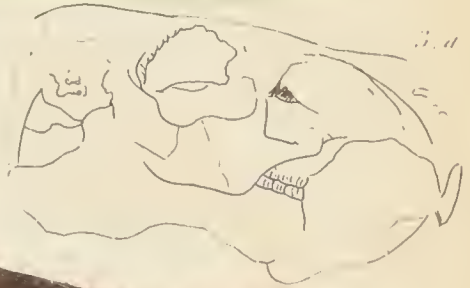
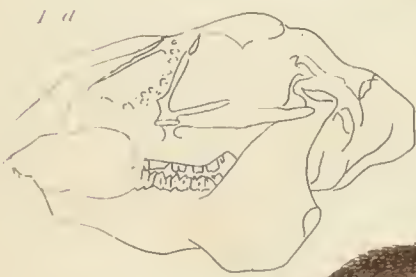
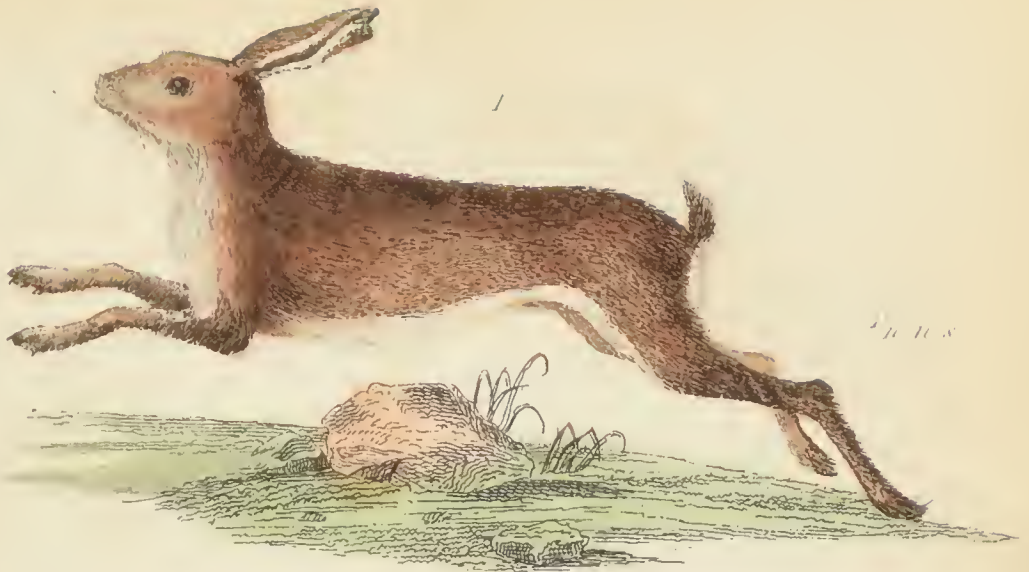


1 *Hystrix cristata*. Lin. (The Indian Porcupine). 2 *Hystrix prehensilis*. Lin. The prehensile tailed Porcupine or Chimantá. 3 *Hystrix ferretulata*. Lin. (The pencil tailed Porcupine)



1. *Hystrix cristata*, Lin. 'The Common Porcupine.'

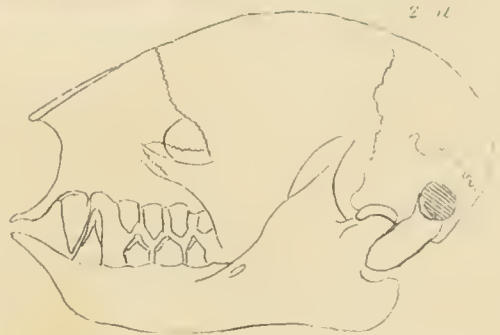
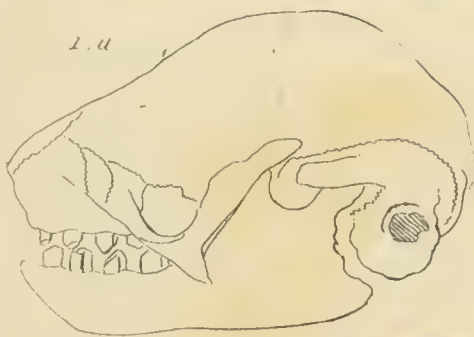
2. *Syntheres insidiosa* 'The Coat of Brazil'



1. *Lepus timidus*, Lin (The Common Hare) 2. *Lagomys alpinus*, Pall. The *Lagomys pica*, or Alpine Hare
3. *Hydrochoreus capybara* The Capybara



1. *Acanthia cobata* Aperea (The Guinea Pig) 2. *Chloromys acouchi* (The Acouchi)
 3. *Cecloguys paca* (The White-spotted Paca)

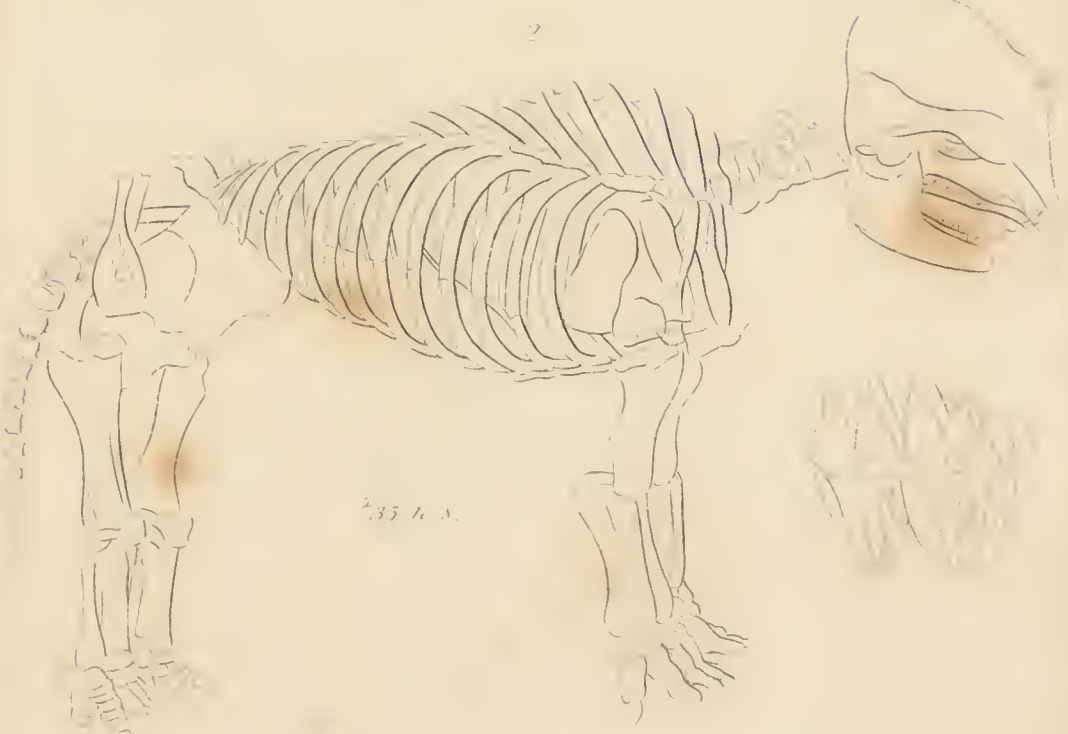
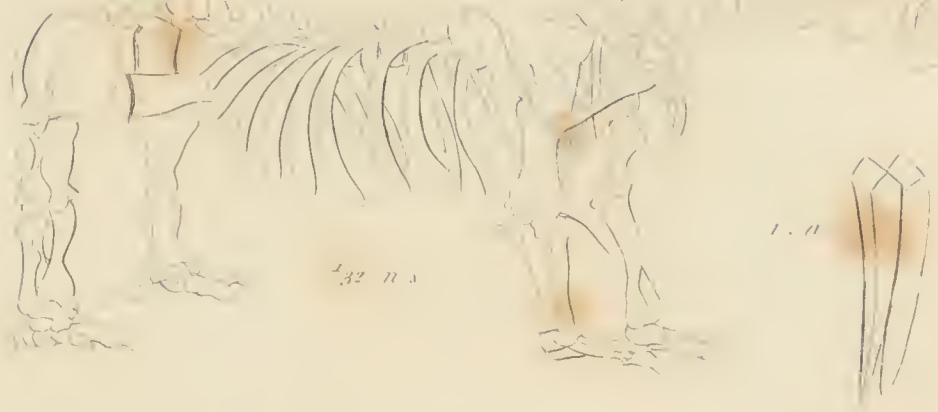


1. *Acheus torquatus*, Geoff. (The Black-collared Ape)

2. *Bradypus didactylus* (The Unau)



1 *Dasypus encubert* Desm. /The Six-banded Armadillo/ 2. *Dasypus univittatus* L. /The Tatouay/
 3 *Chlamyphorus truncatus* Harlan. /The Truncated Clamyphore of Chili/



1. *Megatherium cinctum* Desm. 2. *Mastodon giganteum* Cuv. The great Mastodon
 3. *Anoplotherium commune* Cuv.

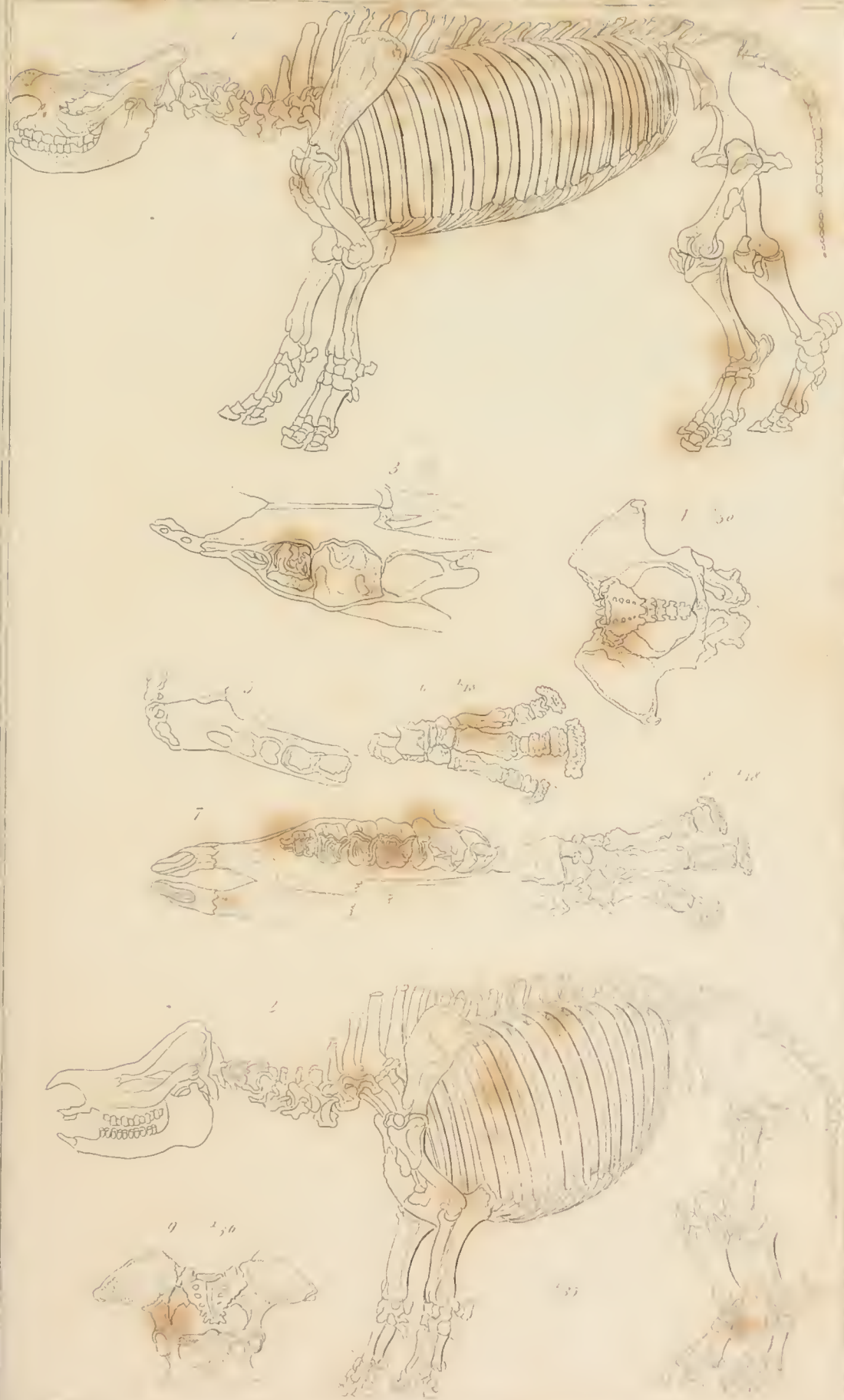




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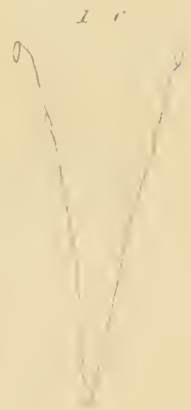
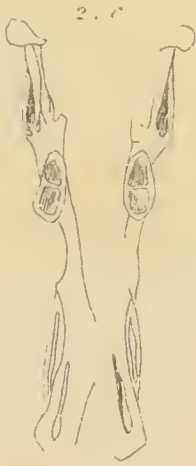


1 *Orycteropus capensis*. The Cape Ground Hog! 2. *Myrmecophaga didactyla* (The Two-toed Ant Eater)
 3. Head of the *Myrmecophaga jubata* (Tamaoivir)! 4. *Manis tetradactyla* (Lin.) (The Maned Pangolin)



1 Skeleton of the Two horned Rhinoceros 2. skeleton of the One horned Rhinoceros of Java.
 3 to 9. Anatomical details of the Rhinoceros. For further description see explanation of the plates at the commencement of the Volume.





1. *Echidna setosa*. The Bristly Echidna

2. *Ornithorhynchus paradoxus* Blain. The Paradox Animal of New Holland

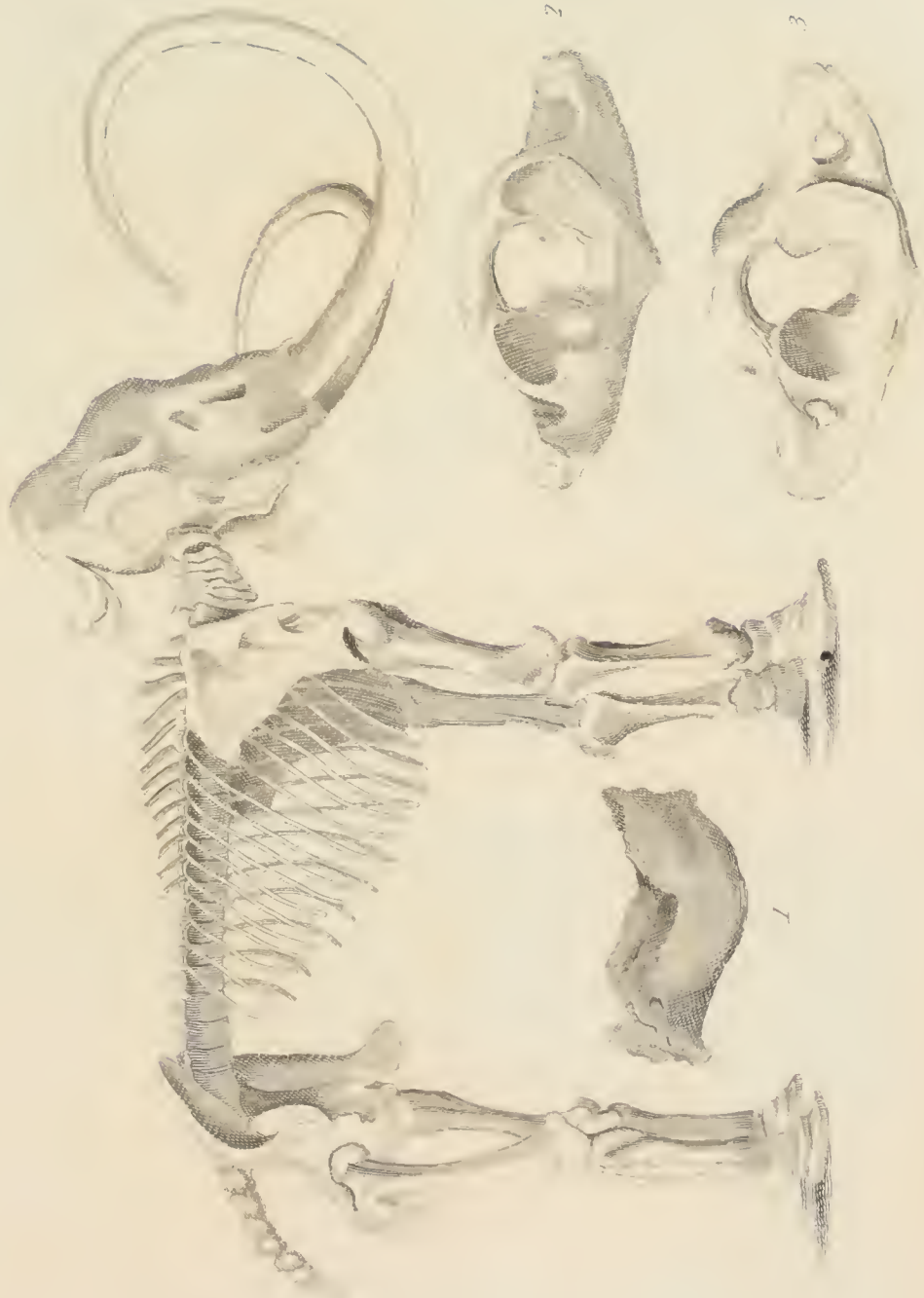
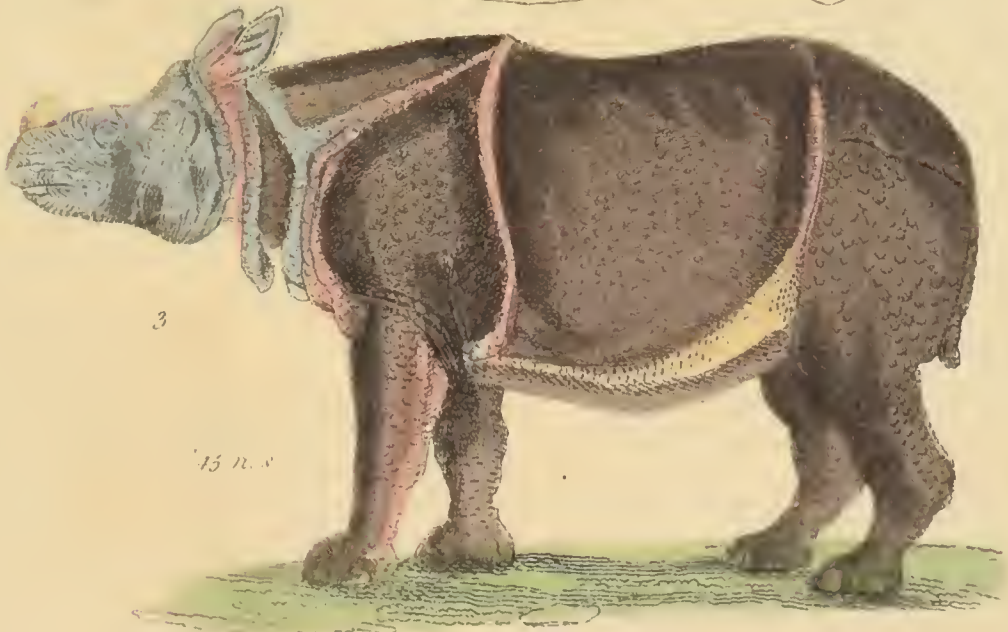


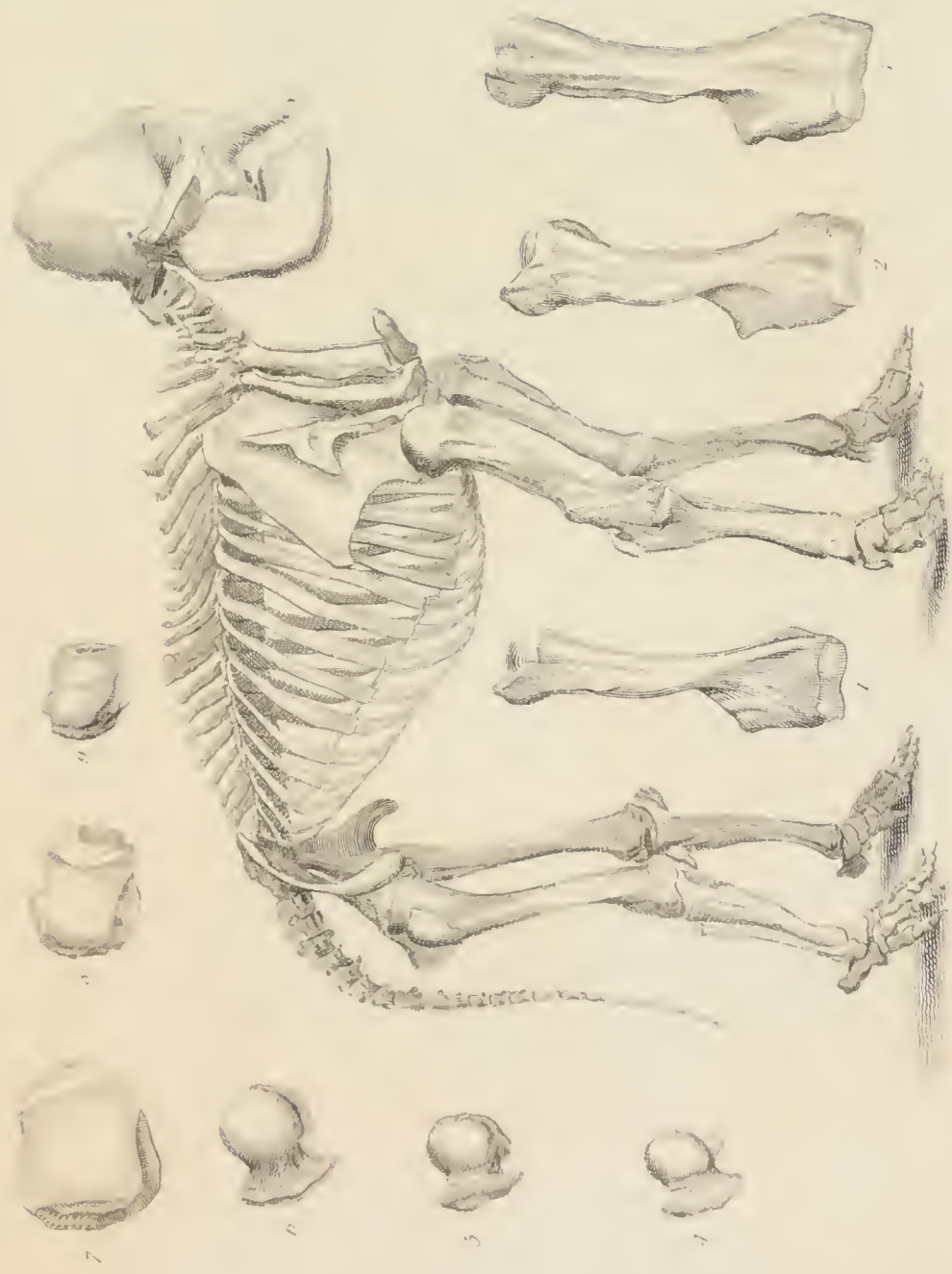
Fig. 1.

*Skeleton of the Indian Elephant,
in a nearly allied species in a fossil state, discovered in Siberia*

1



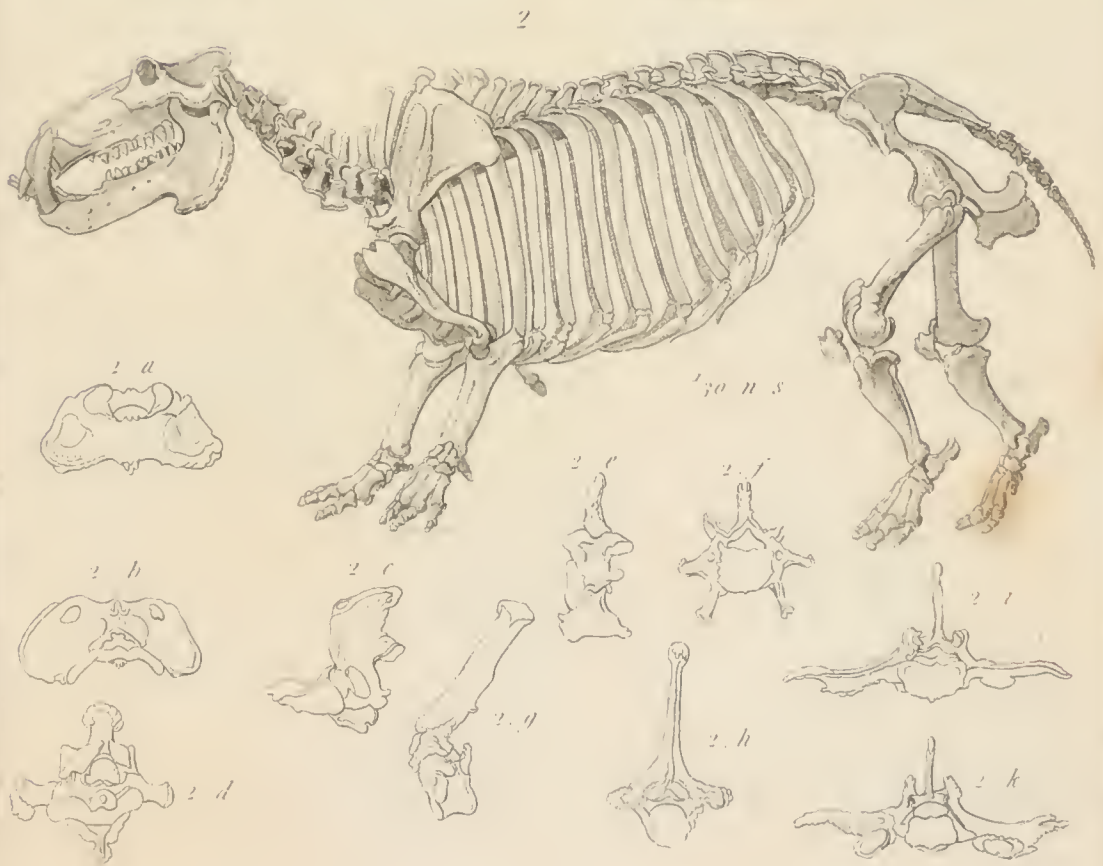
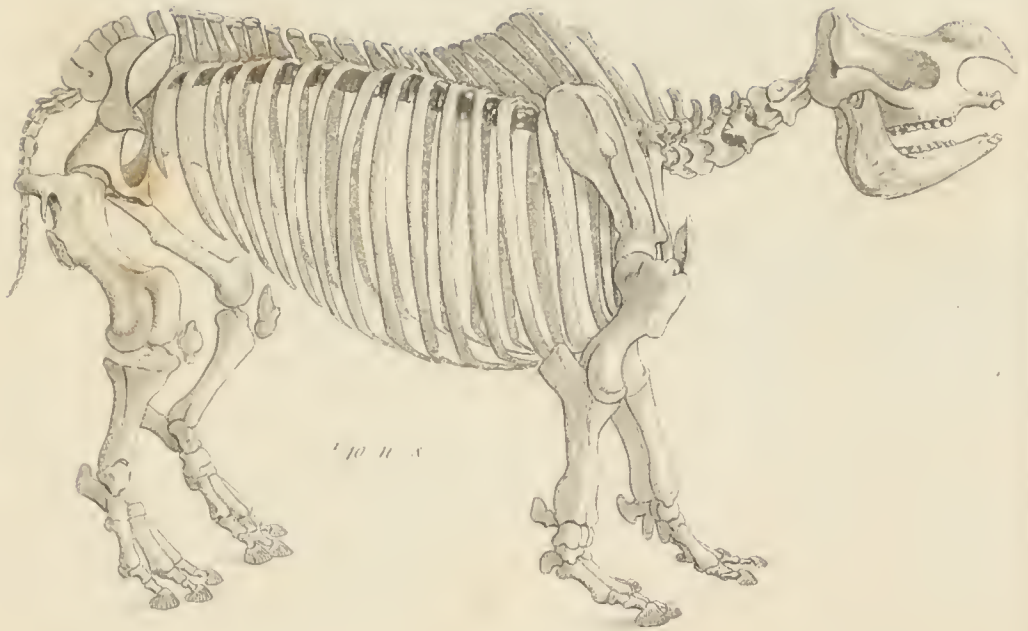
1 *Elephas indicus* The Indian Elephant 2 Teeth of Elephas The African Elephant
 3 *Rhinoceros indicus* The Indian Rhinoceros



Skeleton of an extinct species of Elephant nearly allied to that of India (For Description see Journal of the Acad. Sci. Proc. 1828)

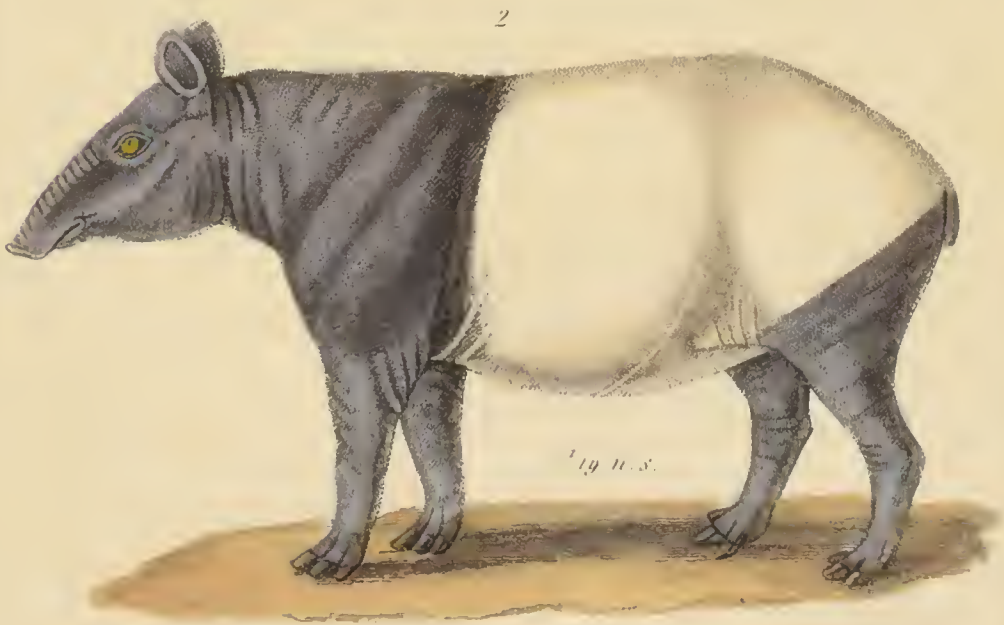
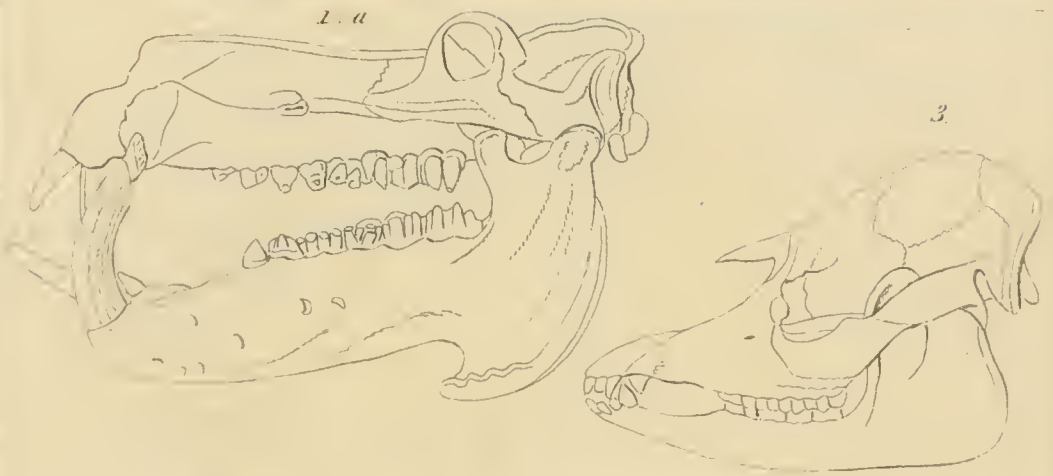
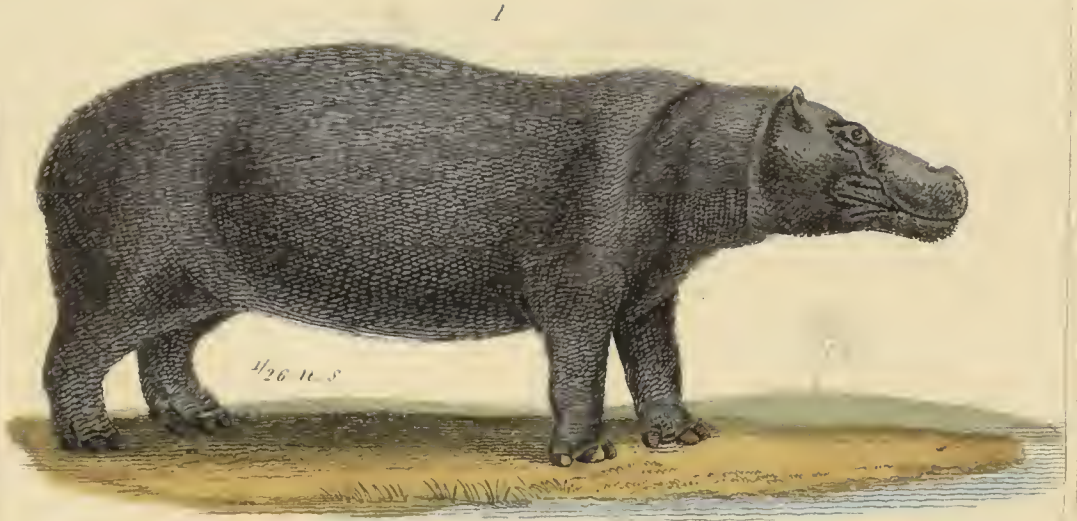


1. *Dicotyles tuberosus* The White-lipped Pervary or Tajassou. 2 *Phacochoerus aethiopi* Rapp. The Hog of Ethia. 3 *Sus scrofa* Var of *Asiatic* The Wild Hog.

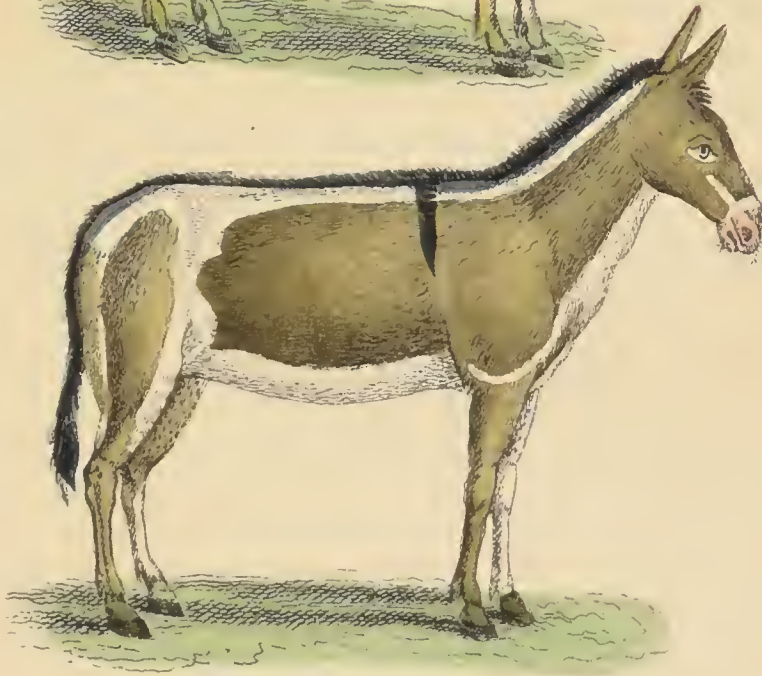
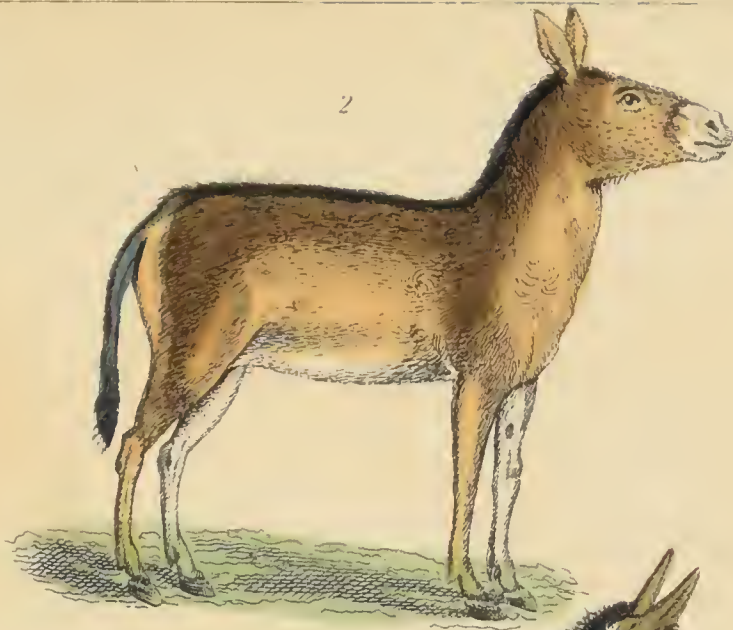


1. Skeleton of the *Rhinoceros unicornis* (One horned or Indian Rhinoceros)
2. Skeleton of the *Hippopotamus amphibius* Lin. (The Hippopotamus)

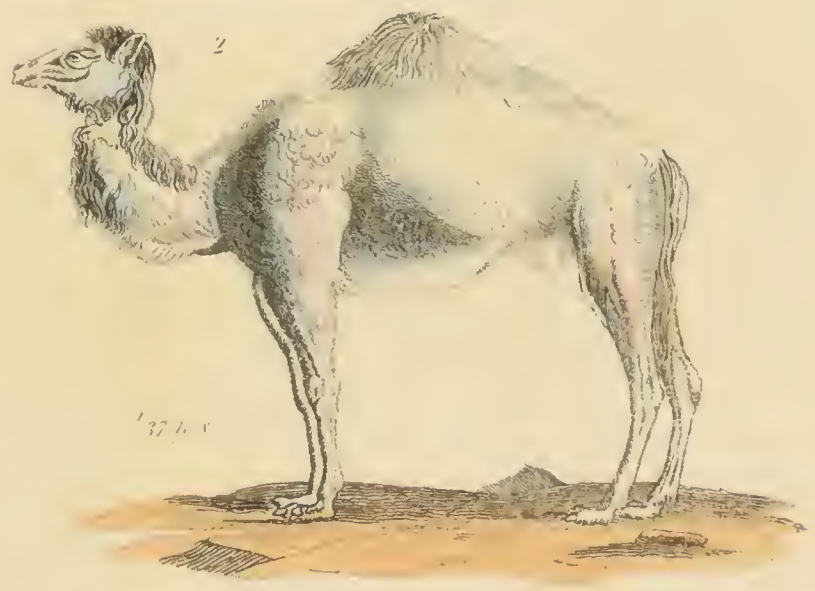




1 Hippopotamus amphibius, L. The Hippopotamus. 2 Tapir indicus. The Tapir of India.
3 Head of Tapir americanus, L. The American Tapir.

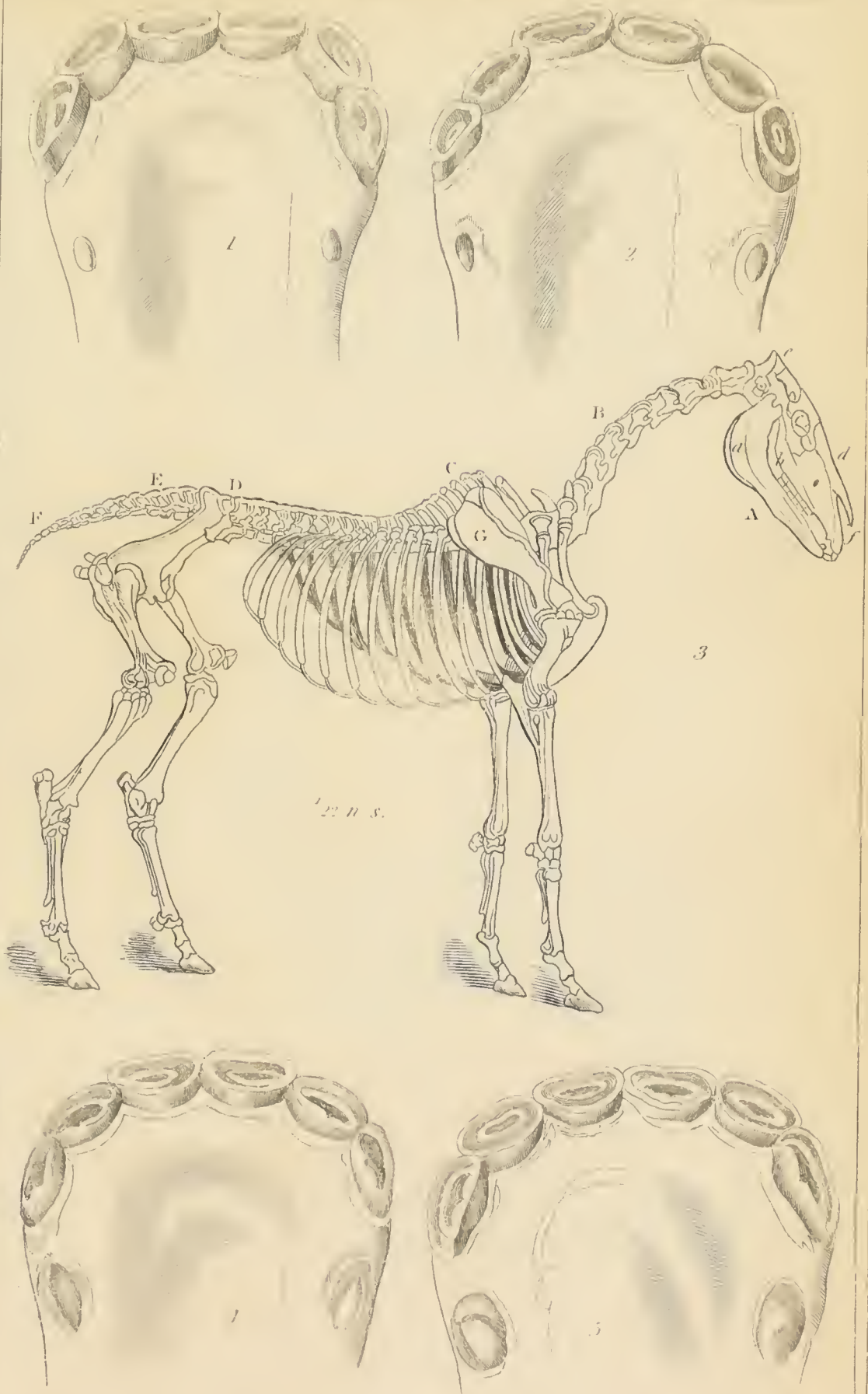


1. *Equus asinarius* Burchell (The Onagga) 2. *Equus hemionus* Pallis (The Daigguetai)
 3. *Equus zebra* Lin (The Zebra)

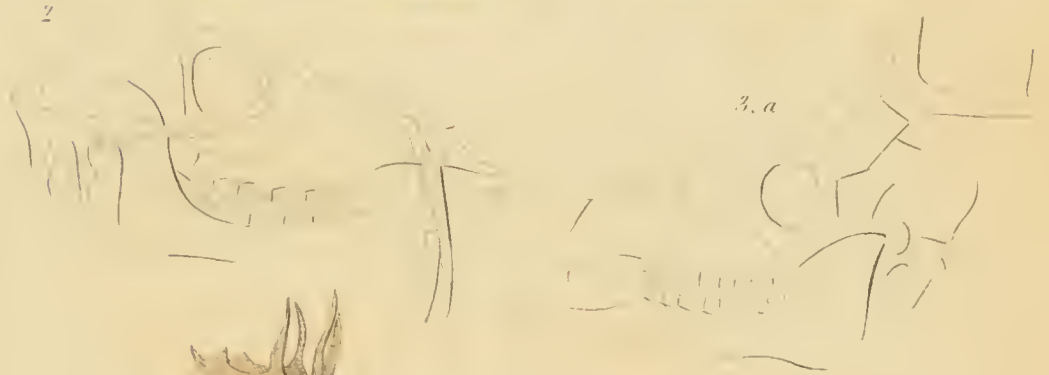
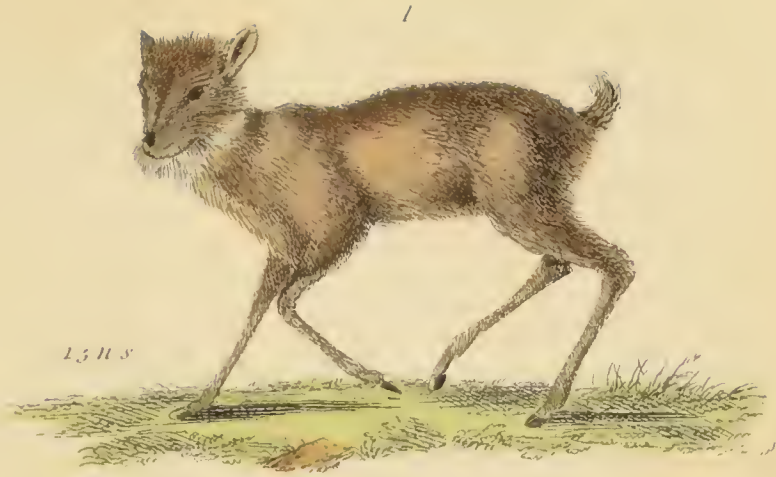


1. *Equus quagga* Lin. The Quagga. 2. *Camelus bactrianus* L. The Bactrian camel.
 3. *Auchenia huacna* Lin. Var. Alpaca. The Llama.

London: G. Henderson, 2, Old Bailey.



1 The teeth of a horse three years old. 2 The teeth of a horse four years old. 3 External structure of *Equus Caballas*. The Common Horse. A The Head. a The posterior maxillary or under jaw. b The superior maxilla or upper jaw. c The orbit. d The nasal bone. e The suture dividing the parietal bones below from the occipital bones above. f The inferior maxillary bone. B The Seven Cervical Vertebrae. C The Eighteen Dorsal Vertebrae. D The Six lumbar Vertebrae. E The Five Sacral Vertebrae. F The Caudal Vertebrae. G The Scapula or shoulder Blade. 4 The teeth of a horse five years old. 5 The teeth of a horse six years old.



1. *Moschus Pygmaeus* Bull. The Pygmy Musk Ox. 2. Head of *Moschus moschiferus* The Musk Ox.
 3. *Cervus virginianus* The Virginia Deer.



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1. *Cervus tarandus* L. The Reindeer. 2. *Cervus elephas* L. The common Stag.



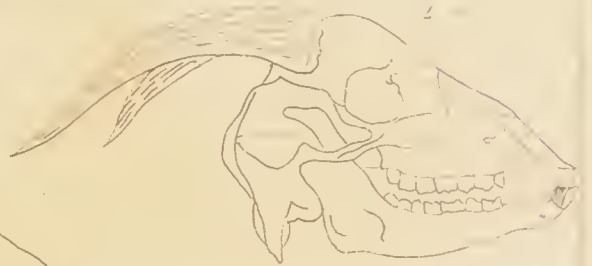
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Cervus canadensis Lin. The Elk

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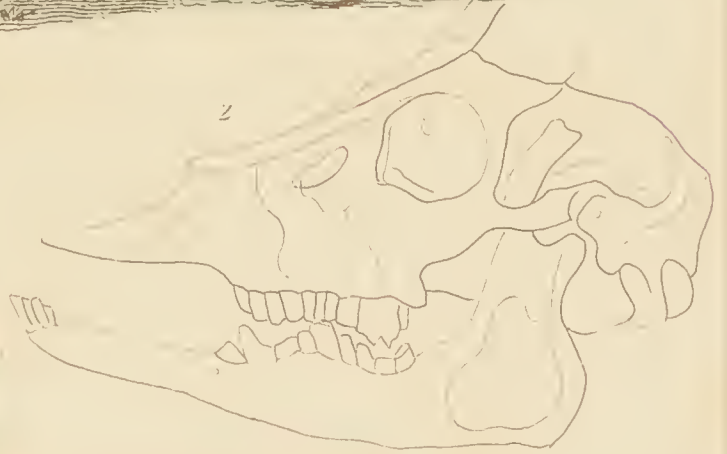
1 *Camelopardalis girata* The Giraffe



1 *Ovis ammon* Lin. Var. *laticauda* Lin. The Argali of Siberia
 2 *Capra aegragus* Lin. The Wild Goat



16115



2



1

12115

1 Antilope korymbosus, Gmel. (The Korymb Antelope)

2 Head of the Gazelle

3 Antilope gazella, Lin. (The Gazelle)



1/32 N. S.



2



1/30 N. S.

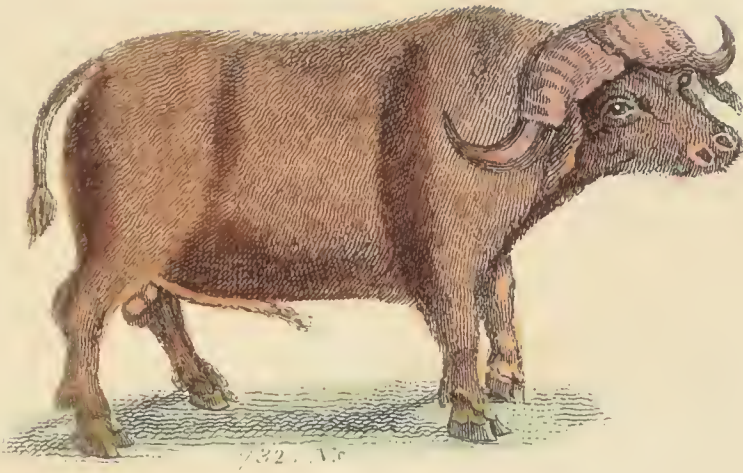
1. *Bos bison* Linc. The American Buffalo or Bison. 2. The head of *Bos taurus* Linc. The common Ox.
 3. *Bos bubalus* Linc. The Buffalo.



1. Head of the *Bos moschatus*. Male for female figure see *Mammalia*. Pl. 59. 2. *Ovis montanus*. Geoff. *The Mountain of Sardinia*. 3. *Ovis tragelaphus*. *Giv. The Mountain of Africa*. 4. *Bos urus*. *Giv. (The Auroch)*.

London, G. Henderson, 2, Old Bailey

1



2



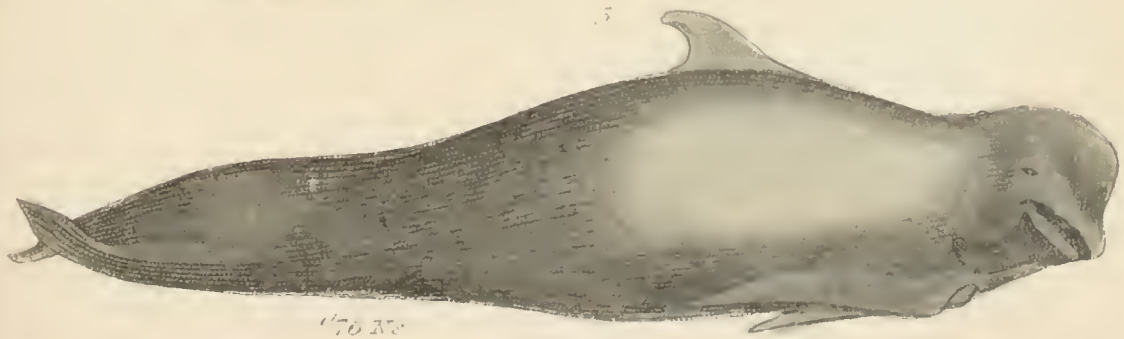
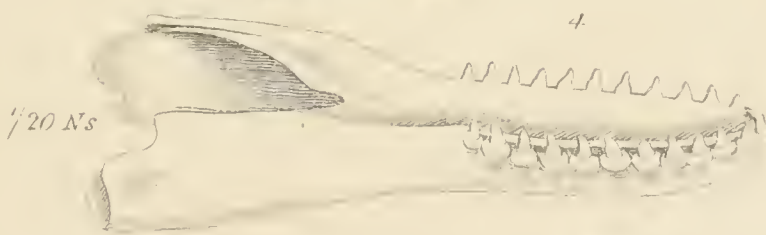
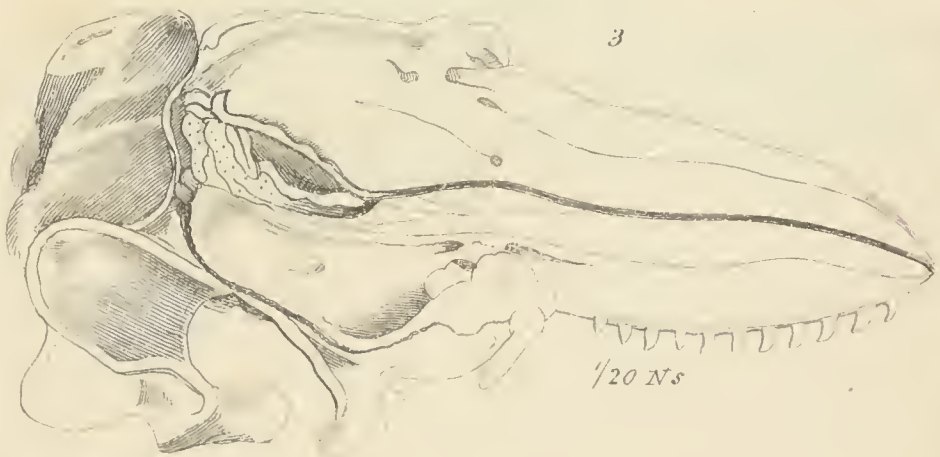
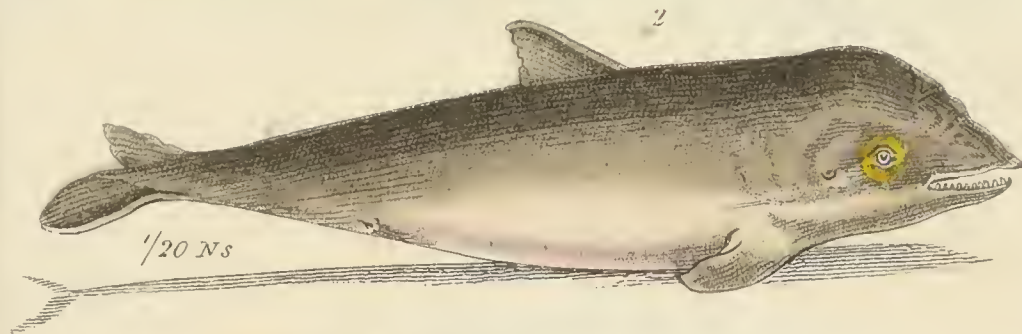
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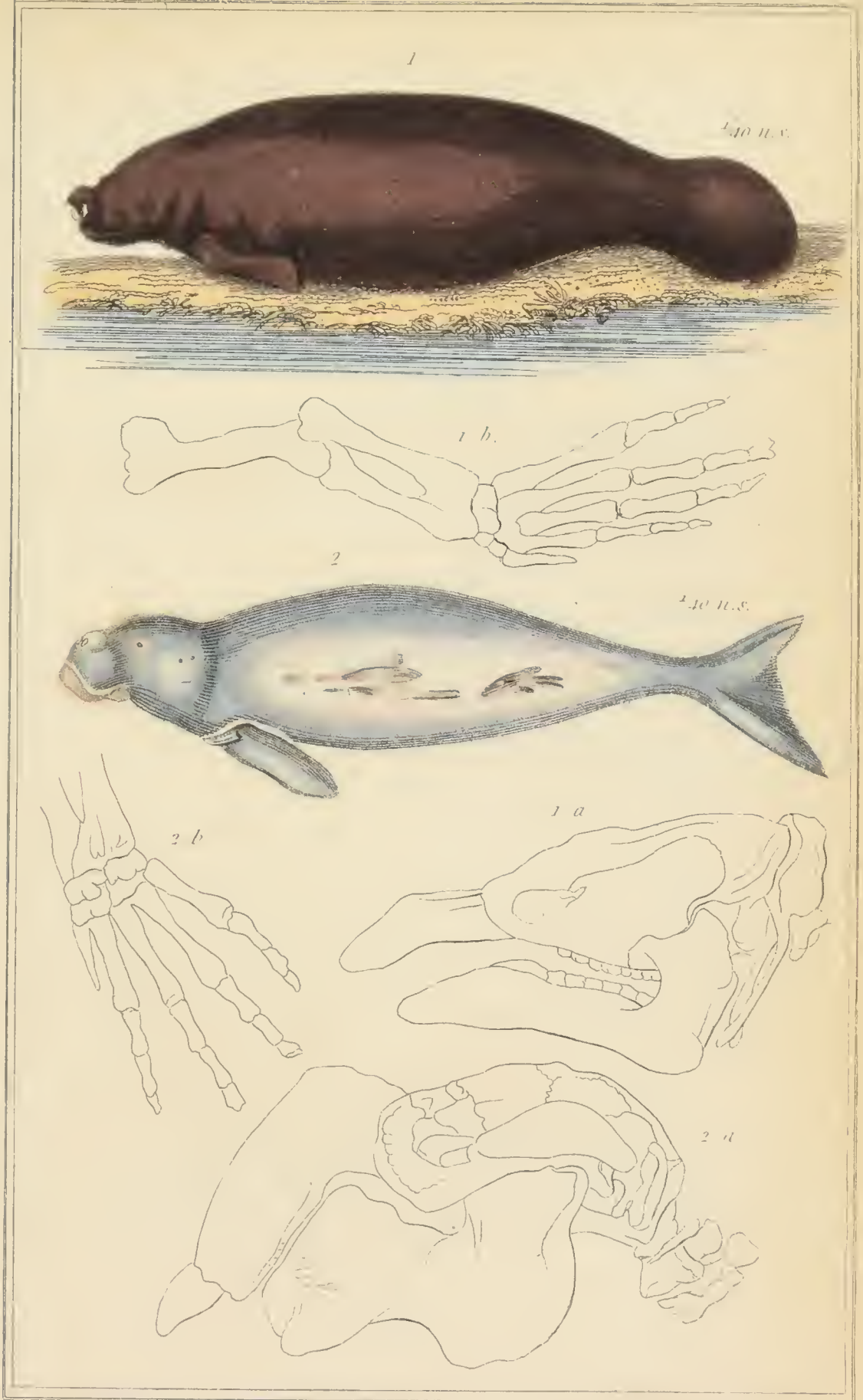
1. *Bos capensis*, Sparrm. The Cape Buffalo 2. *Bos moschatus*, Gm. The Musk Ox of America

3. *Bos grunniens*, Pall. The grunting cow of Tartary

London. G. Henderson. 2. Old Bailey.

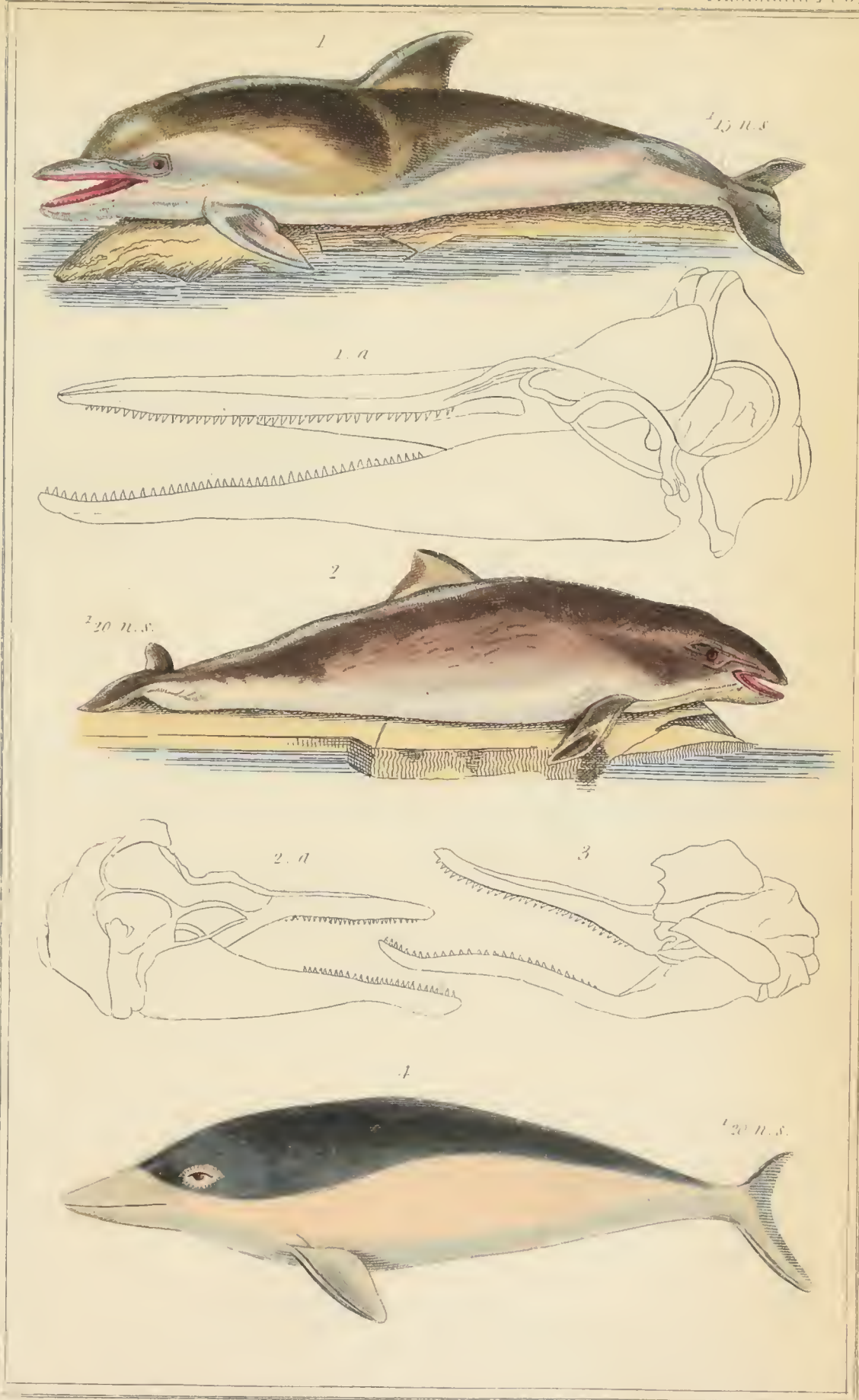


1. *Delphinus orca*, Laccp. The Grampus. 2. *Delphinus capensis* Duss. The Cape Porpoise. 3. The Skull & upper jaw of the *Delphinus orca*. 4. The lower jaw of the *Delphinus orca*. 5. *Delphinus globiceps*, Guv. The round headed Grampus.



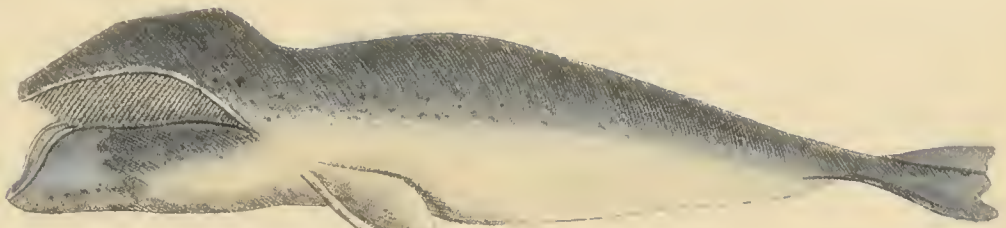
1. *Manatus americanus* Desm. The American lamantin or Sea Cow

2 *Halicore dagouij*. The Dugong.



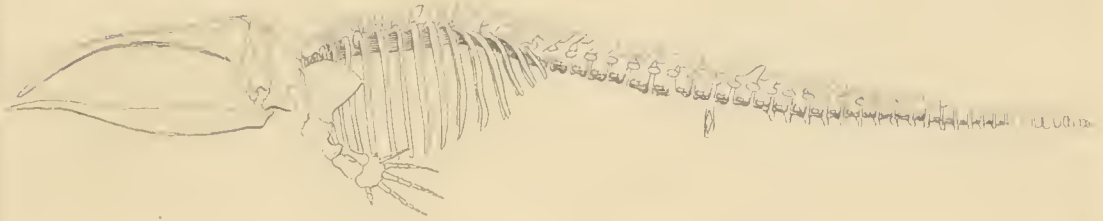
1 *Delphinus delphis*. L. The Common Dolphin 2. *Phocaena vulgaris*. The Common Porpoise 3 Head of *Delphinorhynchus gangeticus* Rev. The Dolphin of the Ganges. 4 *Delphinapterus leucoramphus*. Erson. The South Sea Porpoise.

3

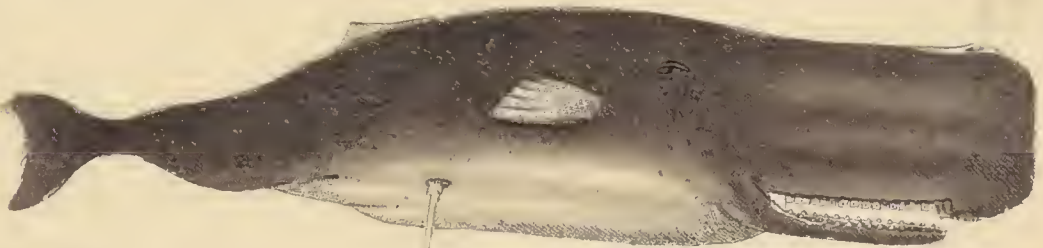


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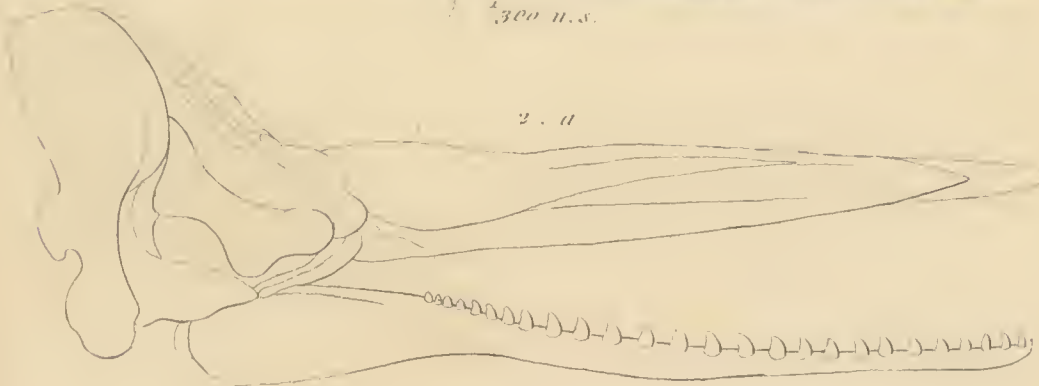


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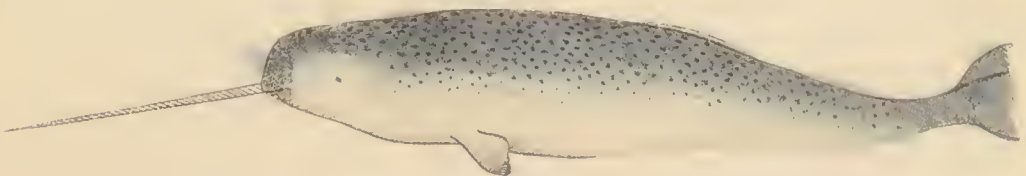


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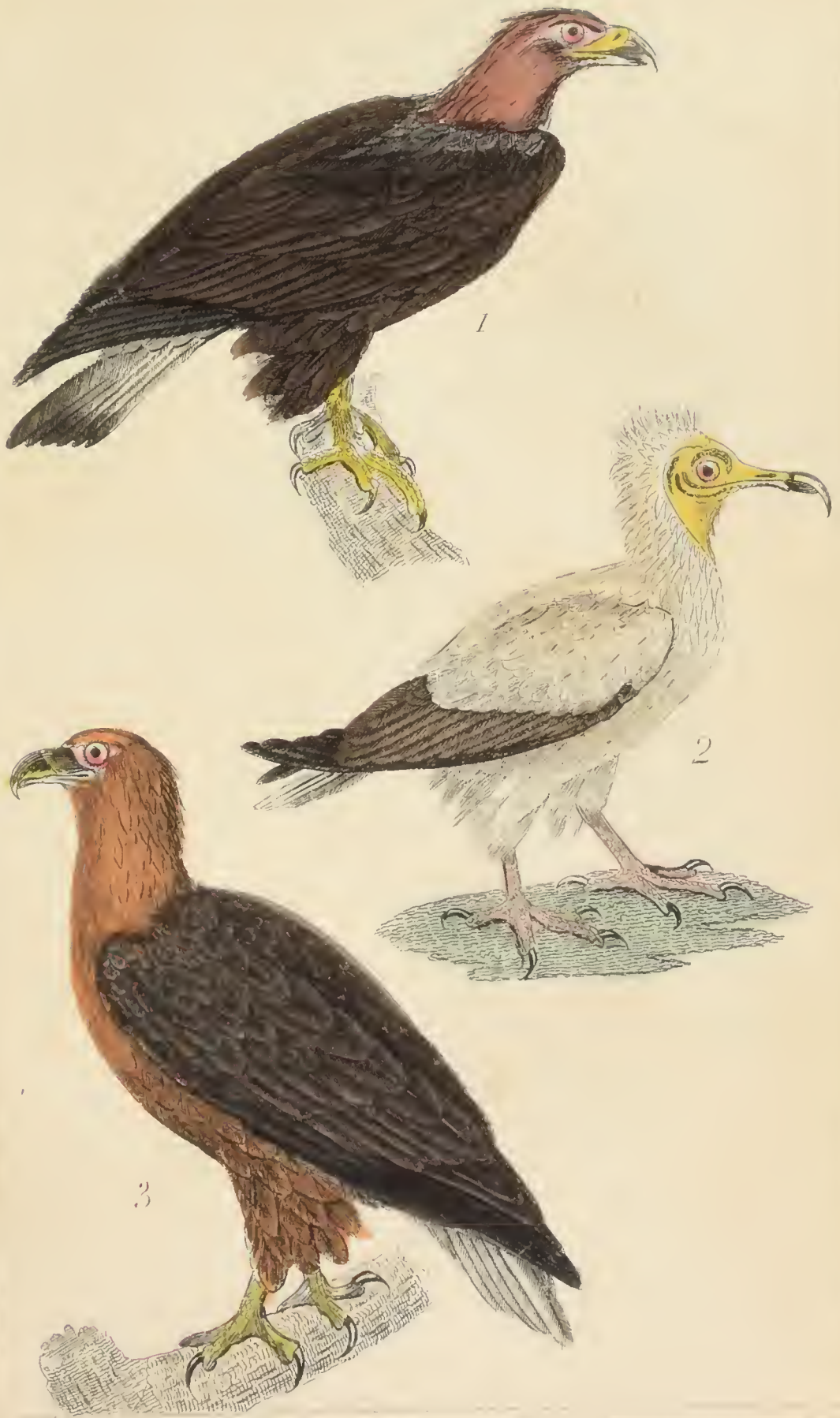
1/66 n.s.

1. *Monodon monoceros*, L. Cav. (The Narwhal) 2. *Physeter macrocephalus*, Shaw. Cav. (The Cachalot or Spermaceti Whale) 3. *Balaena mysticetus*, L. Cav. (The great Greenland or Common Whale)



1. *Vultur indicus*, Linn. (The Indian Vulture) 2. *Sarcoramphus gryphus*, Linn. (The Gander or great Vulture of the Indies) 3. *Sarcoramphus papa*, Linn. (The King of the Vulture's) 4. *Gypaetos barbatus*, Linn. (The Lamb's Vulture) 5. Head of the *Cathartes aura*, Linn. (The Turkey Buzzard);

London, G. Henderson, 2 Old Bailey.



1 Falco Fulvis *Gm* (The Common Eagle) 2 Neophron Percnopteri *Sav.* 3 Falco Ossifragus *Gm*
The Ossifragus



1. *Falco communis* Gm. The Common Falcon . 2. *Falco nova Hollandiae* White. The Goshawk of New Holland .
3. *Falco candianns* & *Islandicus* Gm. The Gerafalcon .



1. *Falco fentoralis*. 2. *Aquila malaiensis*.
 3. *Astur xanthothorax*. 4. Head of the Gerfault.



1. *Falco parisiensis*. Lath. 2. *Falco cayennensis*. Gm. 3. *Falco occipitalis*. Daud.



1. *Milvus forficatus* (The fork tailed Kite) 2. Head of the *Venus cristata* The crested Honey buzzard of Java
 3. *Buteo jaceal* (The Rou-noir or Jackal buzzard) 4. *Serpentarius cristatus* The crested Secretary or snake eater



1 *Pernis cristata*, Guvier. The Honey Buzzard of Java. 2. *Falco pennsylvanicus* Wils. The American Sparrowhawk. 3. *Buteo albicaudatus*, Vieill. The White-tailed Buzzard.

London & Henderson 2, Old Bailey



1 Falco Haliaeetus L. The Osprey 2 Harpyia Ferox The American Harpy. 3 Caracara Vulgaris The Common Caracara



1 *Harpyta Major* a. Vieillot. The Great Harpy. 2 View of the Head and Face of Fig. 1. 3 *Falco gutturus* Daud. The Small Eagle of Guatima.



1. *Falco palustris*. Pr. Mar.^{us} 2. *Strix bubo*. Ent. (The Great Owl)

3. *Syrnium aluco*. Lin.



1. *Otus macrorhynchus* Tem. The large beaked Owl. 2. *Strix flammea* L. The Ominous Screech Owl.
 3. *Syrnium pagodorum* Tem. The Villane Owl.



1 *Bubo virginianus* (the Virginian Owl.)
 2 *Noctua ulularis* (the Screeching Owl.)
 3 *Scops vulgaris* (the Common Scops or Great Owl.)
 London G. Henderson & Chas. Bailey



1 *Edolus tenuis* (Lanius Shaw) (The Malabar Shrike)
 2 *Phyalura flavescens* (The Brazilian Yellow Bill)
 London Colledge 2 Old Bailey



1. *Cuculus gularis* (The spotted Cuckoo) 2. *Coccyzus Geoffroyi* (The couas Cuckoo)
 3. *Centropus menckleyi* (The lark-nailed Coucal)



1. *Coccyzus cristatus* Vieillot The Cuckoo 2. *Cuculus canorus* Lin The Common Cuckoo
 3. The Bill of the *Santothera vesula* Vieillot The Indicator





1 *Lanius collaris* (the collared Shrike) 2. *Græcalus melanurus* (the dark eyed shrike) 3. *Barnia strepera* (the Norfolk Island Wren) 4. Bill of the Yellow Butcher-bird 5. Bill of the New Zealand Wren 6. Bill of the Azure Butcher-bird 7. the Bill of the Swallow-nosed Shrike 8. Bill of the Wagtail

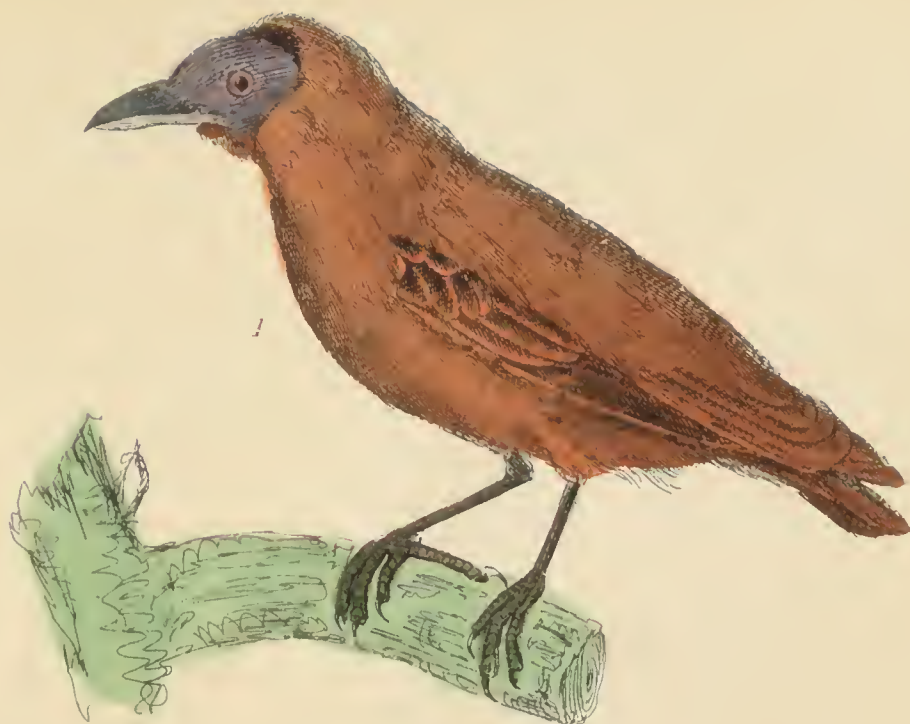
L. J. G. S. del. & sculp. W. G. & A. S. lith.



1 *Ocypterus Albovittatus* *Vaill.* 2. *Lanius Plumatus* *Shaw.* 3 *Barita Anaphoresis* *Temm.*



1. *Lanius Pitangua* Gmel. 2. *Bethylus picatus* Vail. 3. *Lanius Cayanus*. Gmel.



1. *Gymnocephalus capucinus*. L. 2. *Ampelis cotinga*. L. 3. *Muscicapa paridisi*. Gm.
The Fly-catcher.



1 *Pardalotus cristatus* Vieill. (The ornamented Pardalote) 2. Bill of the *Lanius tyrannus* (The Tyrant) 3. Bill of the *Muscipeta coronata* (The Crested Muscipeta) 4. *Musciroops miniata* Tem. (The small Fly catcher) 5. Bill of the *Gymnocephalus calvus* Tem. (The bald Tyrant) 6. Bill of the *Platyrhynchus carolinensis* Tem. (The broad-billed Fly catcher) 7. *Cephalopterus ornatus* Geoff. S. M. (The ornamented Cephalopterus)





1 *Myothera superciliosa*, the supercilious Ant catcher
 2 *Cinclis vulgaris*, the Common Water Thrush
 3 *Phylloscopus granicola*, the carunculata, Whitn's Ant
 Linn & G. Verder



♂ u. s

Struthio camelus (Ostrich of the Eastern Continent.)

L. & A. G. Henderson 2. Old Bailey.



1

1. a

3/8 n. s.



2

2 a



6



3

1/2 n. s.



5 a

5



4

1/4 n. s.



6 a



1. *Ampelis carnifex*. (The Butcher Chatterer. 2. Head of the *Procnias averano*. (The variegated Chatterer.)
 3. *Bombycilla cedrorum*. (The Chatterer of the Cedars.) 4. *Gymnoderes nubicollis*. (The bare-necked Chatterer.)
 5. Spiny wing feather & Bill of *Ceryle alcyon*. (The African Crown bird.) 6. Bill of the *Tersina harradina*.
 (The Swallow Crown bird.)



1. *Tanagra mexicana* .*lin.* 2. *Ampelis garrulus* .*L.* The Bohemian Chatterer. 3 *Turdus palmarum* .*lin.*

London, G. Henderson, 2, Old Bailey.

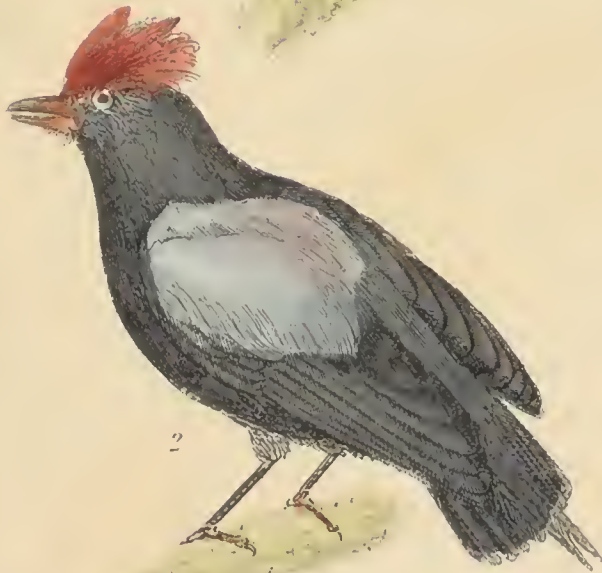


1. *Tanagra magna* L. The Grosbeak Tanager. 2. *Turdus merula* L. (The European Blackbird).
3. *Tanagra jacapa*. *im.*



1 *Oriolus galbula* L. (The Yellow Thrush) 2 *Grallina melanoleuca* Vieill
3 *Merops monachus* Lath.

London G. Henderson 2 Old Bailey.



1. *Eurglanis corydon* Temm. 2. *Pipra parvula* Endl. The Manakin. 3. *Emberiza citrinella* Linn. The Yellow Bunting.



1. *Fringilla carduelis* Linn. The Common Goldfinch. 2. *Rupicola viridis* Temm. The Green Cuckoo of the Rock. 3. *Fringilla montifringilla* Linn. The Mountain Finch.

London, G. Henderson, 2, Old Bailey.





1. *Ficedula sialis*. (The American Stone chat) 2. *Currucula subalpina*. The *Currucula* of the lesser Alps) 3. *Regulus ignicapillus*. A. Bill of the *Accentor alpinus*. Bechst. The descender of the Alps) 5. Bill of the *Saxicola rubicola*. Lin. (The Mill clapper)



1. *Alauda aprata*, Vieill. (The Batelense) 2. *Parus biarmicus*. (The Bearded Titmouse) 3. Head of the *Parus coruleus*. (The Blue Titmouse) 4. *Pyrgita ciris*. (The Lark Bunting) 5. Bill of the *Remiz*. (The Pendulous Titmouse) 6. Bill of the *Alauda calandra*. (The Calandre Lark) 7. Bill of the *Emberiza caesia*. (The Girl Bunting) 8. Bill of the *Tisserin jaune*. (The Yellow Weaver) 9. Bill of the *Fringilla montifringilla* (The Mountain Finch) 10. Bill of the *Luscinia sibilatrix*. (The Linnet)



1. *Vidua longicauda* Lincl. (The long tailed Widow) 2. Bill of the Common Gros beak. 3. Bill of the *Pitylus canadensis* (The Canadian Grosbeak) 4. *Pyrrhula vulgaris* Briss. (The Common Bullfinch) 5. Bill of the *Loxia curvirostra* Lin. (The Cross bill) 6. Bill of the *Corythus cucullator*. 7. *Colinus leucocotus* Lath. (The Colin) 8. Bill of the *Buphaga africana* (The Beef eater)



1 *Eulabes javanus* Vieill. The Javanese Grackle. 2 *Ceryle alcyon* Vieill. The Martin.
 3. *Pyrrhocorax alpinus* (The Alpine Crow). A Bill of the *Manorhina viridis* The Green Bill-crow.



1 *Anabates superciliosus* (The Thrush billed Nuthatch) 2. *Synallaxis tessellata* (The Tesselated Nuthatch)
 3 *Sitta castanea* Col du Mus (The European Nuthatch) 4 Bill of the *Xenops ruficollis* (The Shining Nuthatch)



1 Oriolus chinensis Vahl The Chinese Oriole Plate
 2 Menura lyra Vieill The Lyra Bird or Superb Manuara



1. *Motacilla alba* (The Wheat-ear) . 2. *Motacilla luscinioides* Gmelin (The Nightingale) . 3. *Sylvia subalpina* Bonelli .



1. *Dicæum erythronotus* Vieill. (The Scarlet backed Creeper) 2. *Melthreptus vestitus* (The Scarlet Footed Creeper) 3. *Cinnyris solaris* Tem. (The Sun Creeper) A Bill of the *Arachnothera longirostris* Tem. (The Long-billed Creeper)



1. *Pica chrysops*. The crested Jay. 2. *Carrulus cristatus*. The Blue Jay of Galesby. 3. *Turdus ruficeps*. The variable Pie. 4. *Corvus splendens*. Bill of the splendid Jay. 5. *Caryocatactes vulgaris*. Bill of the Common Nuthacker. 6. *Glaucopsis cinerea*. The Ash-coloured Glaucopsis.



1. *Corvus leucophaea* Temm. The Northern Raven. 2. *Corvus c. cyanocephalus* L. Common Nutcracker. 3. *Corvus glandarius* Lin. The Jay.



1. *Paradisaea apoda*. (Great Bird of Paradise) also called the Emerald Bird of Paradise

2. *Paradisaea aurca*. (Golden-breasted Bird of Paradise)



1. *Rupicola vulgata*. The Common Cock of the Rock. 2. *Pipra erythrocephala*. The Yellow headed Manakin. 3. *Eurystomus macrochrychus*. Linnaeus & Todd's



1. *Cypselus niger*. Temm. The Martinet. / 2. *Caprimulgus europaeus*. The European Tuckey. / 3. *Hirundo urbana*. Lin. The Swallow. /





1. *Merops amictus* Tem. The Green Bee Eater.
 2. *Prionites brasiliensis* Illig. The Brazilian Saw Bill.



1 *Coracias bengalensis* Gmel. The Bengal Roller
 2 *Colinus garrulus* Gmel. The Garrulous Roller



1. *Loxia enucleator*. Lin. (The Pine Grosbeak) 2. *Loxia coccythruastes*. Lin. (The common Grosbeak)
3. *Loxia curvirostra*. Lin. (The Crossbill)



1. *Certhia familiaris*. L. The Common Creeper 2. *Dendrocopates falcirostris*. The Hook-billed Woodpecker
 3. Bill of the *Dendrocopates nasican*. Vieill. The Nasican Woodpecker 4. Bill of the *Dendrocopates pubescens*. Tem.
 (The Red-billed Woodpecker) 5. Bill of the *Tichodroma muraria*. L. The Wall Creeper 6. *Nectarinia leucophaea*.
 The Gnatcatcher



1. *Upupa superba*, Lath. *The Splendid Puff*. 2. *Dendrocolaptes communis* Gm. *The Woodpecker*.
3. *Dendrocolaptes procerus*, Temm.



1. *Certhia cyana* Vall. 2. *Certhia muraria* Lin. The Wall Creeper
 3. *Certhia flavecota* Gm.

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3



1. The Common Starling 2. *Coccyzus coromachus* The Madagascan Roller
3. The Cassin's



1. Oriolus Jacamaris Lincl. 2. Melicitta Cayana Gmel. The Puffin 3. Cinnerys Senegalensis



1 *Xanthornis puantaci buehii* 2 *Oxyrhynchus hammeceps* 3 *Sturnus ruber* *tem. le.*
 4 Bill of the *Cassicus hamorrhous* 5 Bill of the *Icterus niger* The Black *Icterus*
 6 Bill of the *Dacnis cayana* The Cayenne *Dacnis*



1 *Upupa minor* Vieill (The Hoopoe or African Hoopoe) 2 *Promerops caffer* Ent. The New Guinea Hoopoe
 3. *Epimachus magnificus*. The Splendid Epimachus)

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16 u. s.

1. b



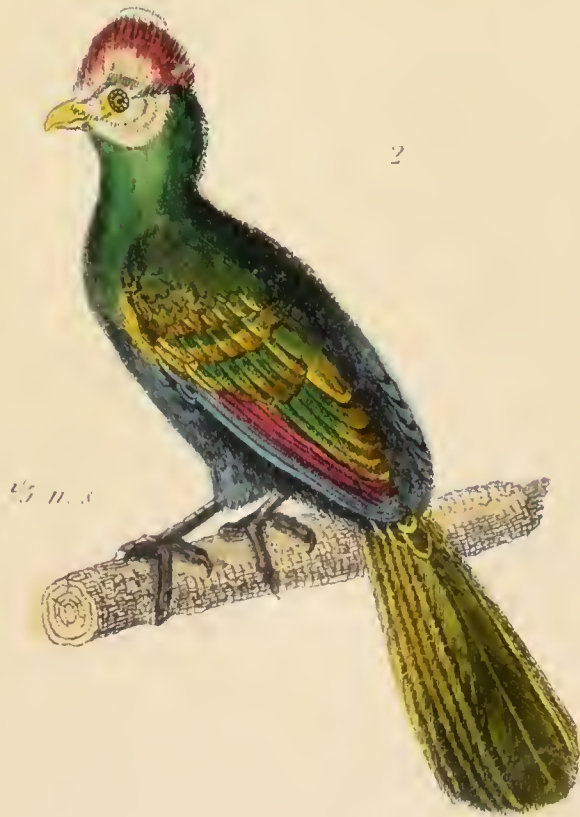
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1. *Microglossus aterrivatus* Goff. The Black horned Paroquet

2. *Pezomachus f. mexicanus* Swall. The Beautiful nimbly Paroquet



1. *Musophaga gigantea* Vieill. The gigantic toucan, or Violet coloured Plantain eater

2. *Corvhaix Paulina*, Temm. The toucan of Pauline



1. *Troglodytes longirostris*. The European Wren 2. Bill of *Troglodytes communis*. The Common Wren
 3. *Motacilla lugubris*. The lugubrious Wagtail 4. Foot of *Budytes flava* The Yellow Wagtail 5. *Anthus arboreus*. The Tree Pipit!



1. *Alcedo cristata*. (The Crested Kingfisher)
 2. *Ceix tribrachys*. (The three-toed Kingfisher)



1. *Motacilla regulus*. Lin *The Reitelet* / 2. *Motacilla alpina*. Gm. *The Alpine Fairvete* /
3. *Anthus pratensis*. Bechst.

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1. *Trochilus granatorius* (the garnet throated Humming Bird) 2. *Tro. brasiliensis* (the Brazilian Humming Bird)
 3. *Orthorhynchus* (the straight billed Humming Bird) 4. *Ortho. Magnificus* (the gigantic Humming Bird)

London. G. Scudder. 2 Old Bailey



1 *Leptosomus viridis* Vull. 2 *Indicator variegatus* Lesson The Variegated Indicator
 3 *Monasa leucops* Illiger



1. *Todus viridis* The Tody 2. *Buceros hydrocorax* Linn. The Horn bill of Sumatra



1. *Malcoha superciliosa*. The Common Malcoha
 2. *Scythrops australasia*. The Australian Scythrops



1. *Hirundo collaris* The Collared Swallow 2 *Trochilurus Martini* The Martin 3 Head and Tail of the
 goat-sucker 4. *Podargus cyreri* The Goat sucker of Cuvier



1. *Bucco Duvancellii*, Less (*Duvancellii's Barbet*) 2. Bill of the *Pogonias major sulcirostris leucii* (The Great Pogon) 3. *Bucco parvus Barbieri* (Vall. The Barbican) 4. *Tamatia collaris*, The Banded *Tamatia*



3 a.



1. *Tamatia melanoleucos*. Gm. The *Tamatia*. 2. *Malcoha rouverdin*. Vaill. The *Malcoha of Vaillant*. 3. *Bucconiger*. Gm. The *Black Throated Barbet*.



1. *Jacamerops grandis*. Vahl / The Grand Jacamar . 2. *Galbula ruficauda*. Vahl. The Red-tail Jacamar / . 3. *Todus platyrhynchos*. Gm.



1. Trogon pavoninus Tem. (The Peacock Cotinga) 2. Bill of the Trogon Divaricatus Tem. (The Peacock Cotinga) 3. Ramphastos maximus (Greatest Billed Toucan) 4. Bill of the Crotophaga major (The Greater Ani)



1. *Ramphastos aracari* Gm. 2. *Ramphastos taca*. *Vaillants, Birds of Paradise, Pl. 2*. 3. *Crotophaga ani* Gm.

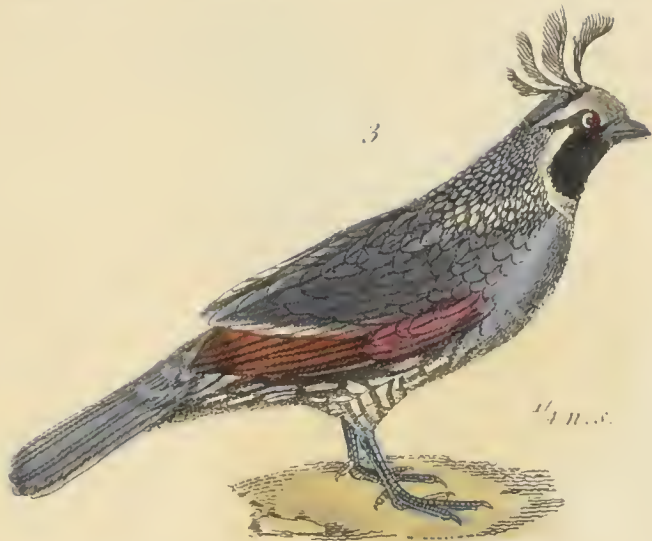


1. *Ara araucana* Gmel. (The Guayana Scarlet Macaw)
 2. *Cacatua galerita* White. (The Crested Cockatoo)

1. del. & G. Henderson 2. Old Bailey



1. *Tetrao umbellus* Gmel. The ruffed heath cock } 2. *Tetrao lagopus* L. The Ptarmigan White Grouse or Partridge of the Pyrenees } 3. *Pterocles arvensis* Pall. The Partridge of Aravena }

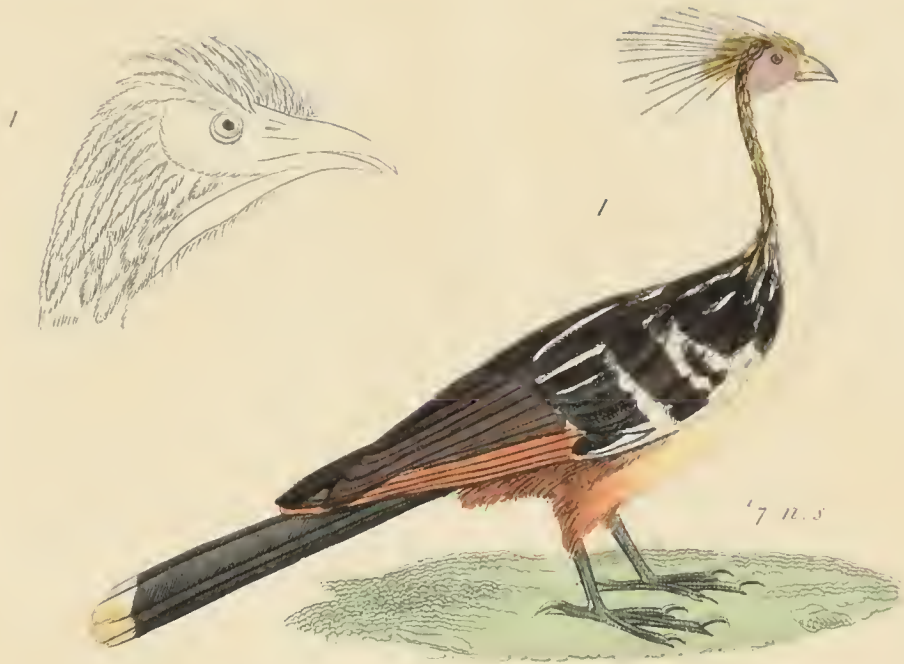


1 *Francolinus ocellus* Tem. The All-eyed Francolin. 2. *Perdix petrosa* Gmel. The Rock Partridge
 3. *Colinus californicus* Ah. The Californian Colin.



1. *Tetrao rufus*. L. The Red Partridge 2. *Perdix tertilis*. Temm.

3. *Francolinus clamosus*. Temm.



'7 n. s.



'8 n. s.

1. *Opisthocomus cristatus*. L. The Hoazin. 2. *Crax rubra*. L. The Red Hocco. 3. Head of the Penelope guan. Edw. The Guan. 4. Head of the *Ortula paraquana*. L. The Parraqua. 5. Head of the *Fourax pauci*. L. (The Stone Bird)



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1. *Cuculus persa* Lin. The *Touraco* 2. *Corax alpestris* Lin. The *Bocco*
3. *Musoplagia violacea* Vieill. The *Phantom eater*



1. *Phasianus gallus*. L. / The Domestic Cocker / 2. *Numida meleagris*. L. / The Common Guinea hen / 3. *Meleagris gallopavo*. L. / The Common Turkey /



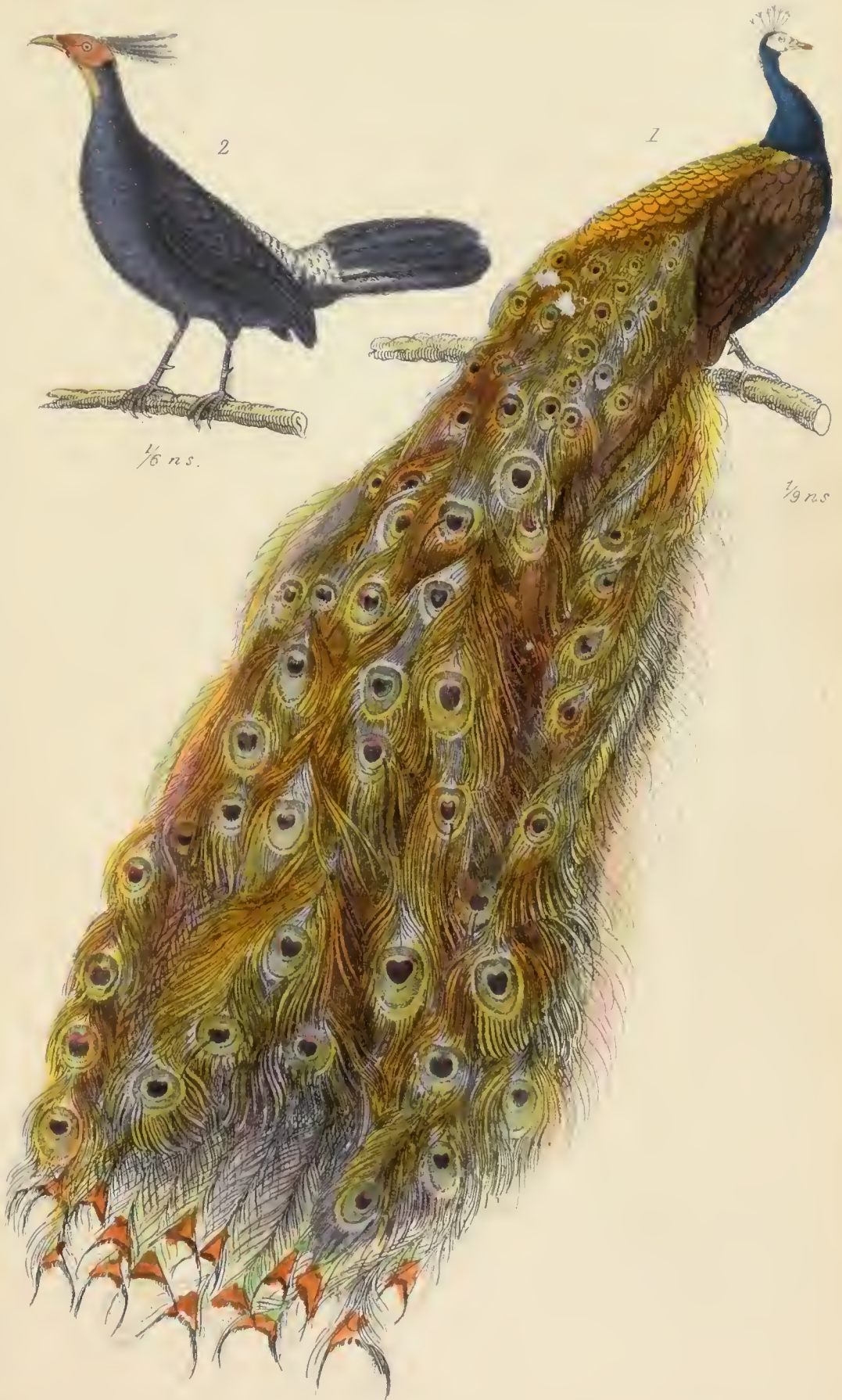


1. *Numida ptilorhynchos*, Licht. The Crested-billed Guinea Hen.

2. *Meleagris ocellata*. The Golden Green-necked Turkey.



1. *Tinamus braziliensis* L. The Brazilian Tinamoo . 2. *Phasianus pictus* L. The Golden Pheasant . 3. *Hemipodius nigrifrons*, Temm .



1 *Pavo Cristatus* (the Common Peacock)
2 *Lophophorus Cuvieri* (Cuvier's Pheasant)

London G. Henderson 2 Old Bailey.



1. *Megapodius Duperreyi*. Less.
2. *Lophophorus rufulgens*. Temm.

London, G. Henderson, 2, Old Bailey.



1. *Cryptonyx coronatus*, Tem. The Sumatra Pheasant bird. 2. Houppetier Pheasant. *Dardis* Pheasant. 3. Head of the Houppetier Pheasant. See The Animal Kingdom. 4. *Tragoionyx* *sin.* The Horned Pheasant of Nepal.



1. *Coturnix chinensis* Lin (The Chinese Grouse) 2. *Oryzias pugnax* Tem (The Fighting Grouse of Java)
 3. *Tinamus rufescens* Tem (The Rufescent Tinamoo) 4. Bill of the *Tinamus brasiliensis* Lin
 (The Brazilian Tinamoo)





19 n 5

Phasianus Argus, (The Argus Pheasant)

London G Henderson & Old Bailey



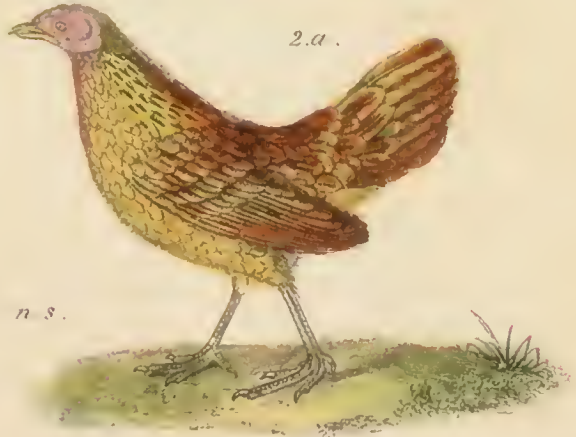
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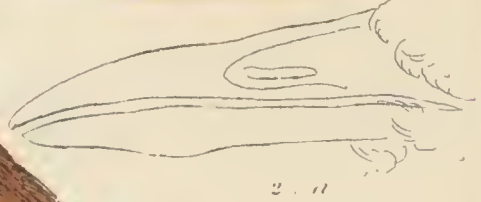
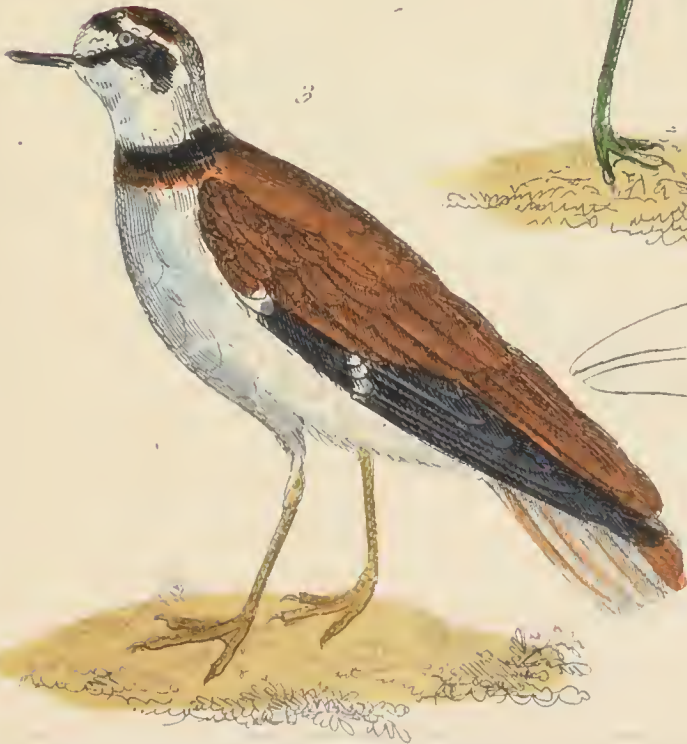
1 Phasianus torquatus (the collared Pheasant)
 2 Gallus bankiva Tem (the wild Cock of Java)
 2 a The wild Hen of Java
 London C. Henderson 2. Old Bailey.



1 *Tanagra cyanocephala* The Blue-headed Tanagra | 4 Bill of the *Tanagra specularis* Ortolan Tanagra
 2 Bill of the *Tanagra cayanaensis* Bushy-billed Tanagra | 5 Bill of the *Tanagra nigririma* Cardinal Tanagra
 3 Bill of the *Tanagra aenea* Great Grosbeak Tanagra | 6 Bill of the *Tanagra brasiliensis* (Rhamphocidna) Tanagra
 7 *Turdus Abigularis* The White-necked Thrush



1. *Goura coronata* (The Crowned Pigeon) 2. *Columba porphyrea* Tem. (The Porphyry Pigeon)
3. *Niaga aromatica* (The Spicy Niago)



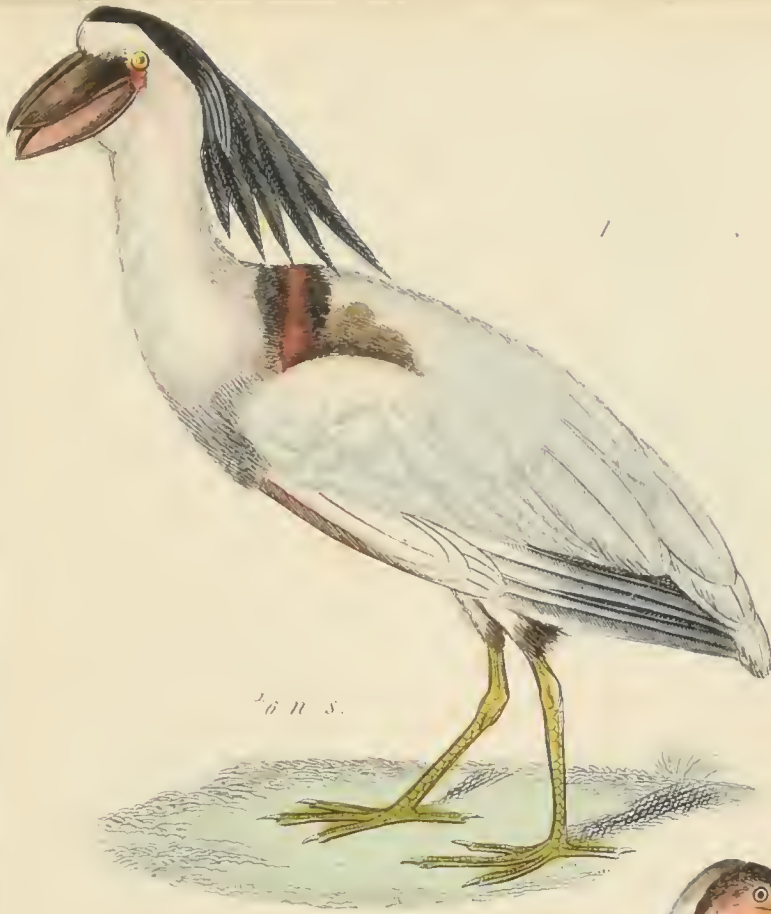
1. *Otis tetrax*. Lin. The little Bustard. 2. *Eidunetus limpiper*. Geoff. S. Hill
3. *Charadrius hiaticula*. Lin. The Ring Plover.



1 *Otus ruficollis* Guv. (The Great Bustard) 2 Bill of the *Otus tetrax* L. The little Bustard 3 Bill of the *Otus afra* Luth (The Moorhen) 4. (*Ediomerus maculatus* Guv) The Speckled Thick Knee 5 Bill of the *Ed. vulgaris* Guv. Lm. (The Common Thick Knee) 6. *Charadrius bilobus* L. The bilobate Plover



1. *Vanellus cayennensis* Tem. (The Cayenne Lap-wing) 2. *Hematopus pallasi* Tem. (The European Lap-wing) 3. *Cursorius coromandelicus* Lach. (The Coromandel Swift-foot) 4. Bill of the *Vanellus* sp. (Fr. *Vanellus* Lin. (The European Lap-wing) 5. Bill of the *Tringa squata* L. n. (The European Lap-wing)



♂ N. S.



♂ N. S.

1. *Craneramus cochlearia* Linn. The Great Bellbird 2. *Ardea aquina* Buff. The European Crane



1 *Microdactylus cristatus* Geoff. The Short Finca 2 *Psophia crepitans* The Trumpeter
 3 *Grus carunculata*. The Crowned Crane

Painted by Henderson. 2. Col. by



1. *Ciconia maguari* Vieill. (The Maguari, or American Stork) 2. Bill of the *Jabiru Maguari senegalensis* Lath. (The Jabiru)

3. *Scopus umbretta* Vieill. (The Umber coloured Stork)





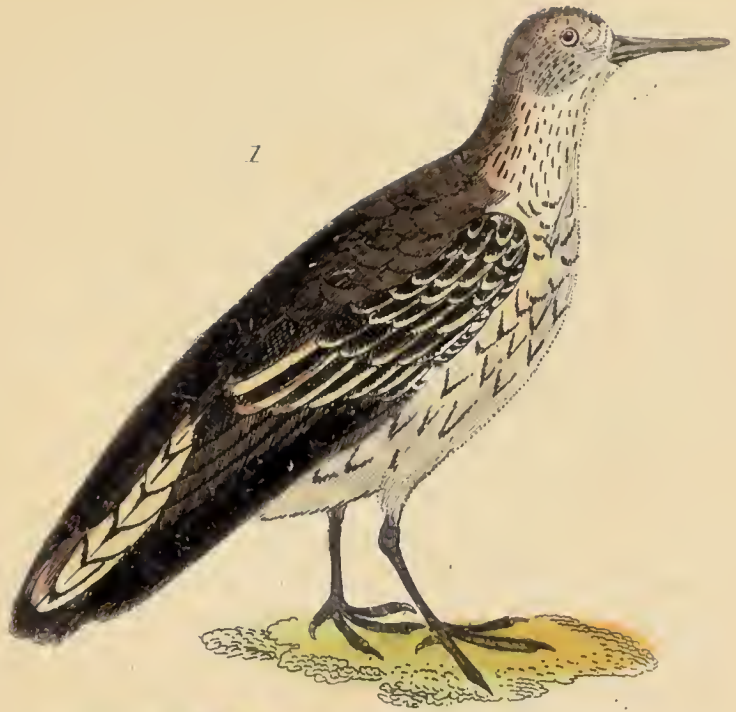
1. *Ardea ricoria*. Lin. (The White Stork) 2. *Mycteria americana*. Lin. (The American Jabiru) 3. *Ardea major*. Lin. (The common Heron)



1. *Anastomus lamelliger*. Tem. (The Laminated Open Bill) 2. *Tantalus ibis*. Lin. (The African Tantalus)
 3. *Platalea aiata*. Vieill. (The South American Spoon Bill)



1 Scolopax gigantea Tem. (The Gigantic Woodcock) 2 Bhychnya hularia Val. (The Brazilian Snipe)
 3 Ibis Relegiosa. (The Sacred Ibis)



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1. *Tringa islandica*. Gmelin. (The Sand piper) 2. *Tringa pugnax*. Lin. (The Ruff.)
3. *Scolopax ureuata*. Lin. (The European Curlew)



1. *Limosa melanura* Leister (The Black tailed god wit) 2. Bill of the *Calidris rufa* Wils. (The Red Sanderling) 3. Bill of the *Actinaria calidris* Gm. (The Common Sanderling) 4. Bill of the *Pelecanus alpina* Gm. (The Alpine Pelican) 5. Bill of the *Falco pygmaeus* L. (The Pygmy Owl) 6. Bill of the *Phalaropus lobatus* (The Lobated Phalarope) 7. Bill of the *Streptopelia interpres* L. (The Pouter) 8. Bill of the *Totanus fuscus* L. (The Fuscous Sand-piper) 9. Bill of the *Himantopus nigricollis* Wils. (The American Limp-shrike) 10. *Recurvirostra orientalis* (The Oriental Avocet)



1. *Fulica chloropus*, Lin. (The Water Hen) 2. *Fulica phorphyreus*, Lin.

3. *Fulica atra*, Gmelin. (The Coot)

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1. *Palamedea cornuta* Lin. 2. *Charadrius himantopus*. Lin.

3. *Recurvirostra avocetta* Lin.

London, G. Meuberssen. J. Old Bailey.



1. *Tringa vanellus*. Lin. The European Lapwing | 2. *Hematopus ostralegus*. Lin. The Oyster Catcher.

3. *Cursorius isabellinus*. Meyer.



1. *Parva albicauda* Isid. Geoff. *magas. de Zoologie* The Bronze Jacana 2. Head of the *Palmæta cornuta* Lin. The Kaimichi or Horned Screamer 3. *Channa chavaria* Lin. The Chana of Paraguay 4. *Megapodius Paparreyi* Cuvier & Lesson The Taxon of Duperrey

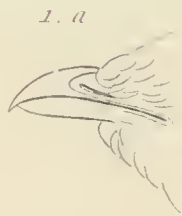


1. *Rallus gularis*. The European Water Rail. 2. *Porphyrio smaragdinus* Tem. The Emerald or Sillano Coot.
 3. Bill of the *Rallus aquaticus* Lin. The Water Rail. 4. Bill of the *Rallus creca* Lin. The Rail. 5. Bill of the
Rallus porzana Lin. The Spotted Rail. 6. Bill & foot of the *Gallinula chloropus* Lin. The Water Hen. 7. Bill
 & foot of the *Fulica atra* Linn. The Common Coot. 8. Head of the *Chonotus neophaga* Vieill. The Sheath Bill.



1. *Scolopax capensis* Gu. 2. *Scolopax hehius* Lath.

3. *Phalaropus rufus*. Bechst.



1. *Glareola lactea* Tem. The Milky Pratincole 2. *Phaenicopterus ignipalliatu*s Isid. Geoff. et d'Orb. The Firey Flamingo 3. Bill of the Phœni *ruber* Ent. The Red Flamingo



1. *Glaucola austriaca*, Ent. (The European Puffin or Sea Partridge) 2. *Phaenicopterus ruber*, Ent. (The Red Flamingo) 3. *Vaginalis chionis*, Leth. (The Sheath-bill)

London, G. Henderson 2, Old Bailey.



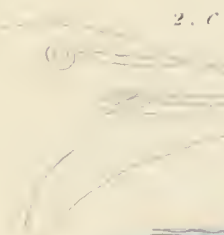
1 Podiceps cornutus Vieill: The Dusky Grebe 2 Noddy surinamensis Gmel: The Spermian Noddy
 3 Head & Foot of the Colymbus glacialis L: The Great Northern Diver 4 Bill of the Uria grylle Vieill
 (The Spotted Guillemot or Greenland Dove 5 Cephus minor Gmel: The Little Guillemot)



1. *Larus marinus*. L. (The Great black-backed Gull) 2. *Sterna hirundo*. L. (The Common Tern or Sea Swallow) 3. Bill of the Noddy (*Sterna stolida*. L. (The Noddy) 4. Bill of the *Rhynchops nigra*. L. (The Black Skimmer)



1. *Pelecanus onocrotalus* L. Var. *fuscus*? Edw. The braying or Common Pelican! 2. *Tachypetes aquilus* L. The South Sea Frigate bird! 3. *Carbo hioplus*. The Crested Cormorant!



1. *Aptenodytes patagonica*. Gmel. (The Great Penguin) 2. *Alca torda*. Gmel. (The Common Duck)



1. *Procellaria pelagica*. Lin. (Mother Carey's Chicken) 2. Bill of the *Proc. glacialis*. Gmel. (The Fulmar)
 3. Bill of the *Puffinus equinoctialis*. Edw. (The Equinoctial Puffin) 4. A Bill of the *Pachyptila vittata*.
 Forst. (The Lined Tropicbird) 5. *Diomedea melanophrys*. (The Albatross)

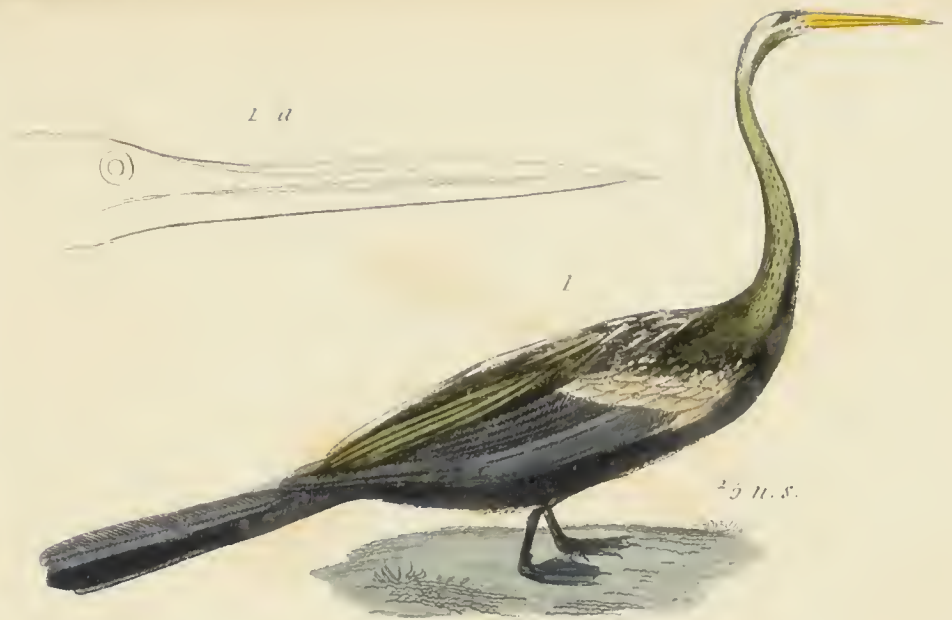


1. *Diomedea exulans*. Lin. (The common Albatross) 2. *Procellaria capensis*. The Cape Petrel or Cape Pigeon 3. *Larus crepitatus*. Gm. The Arctic Gull

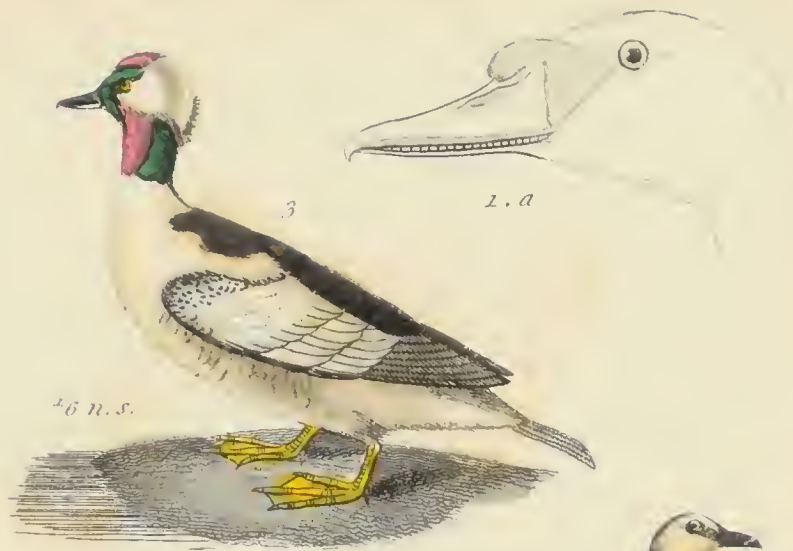
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1 *Phoebastria immutabilis* L. (The Booby Adult) 2 *Anas atrata* Lath (The Black Swan)
3 *Rynchops nigra* L. (The Black Skimmer)



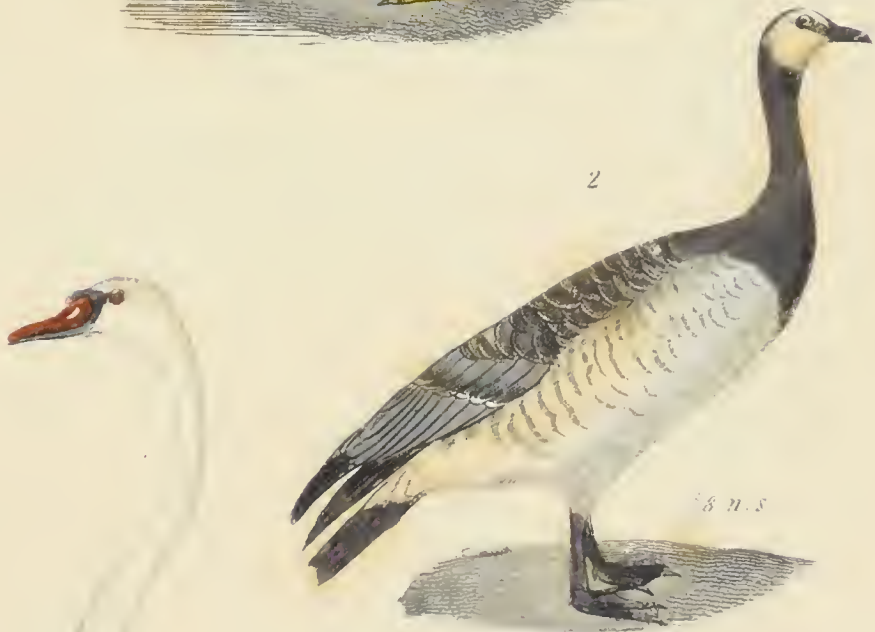
1. *Plotus Levaillanti* Bechst. (The Black bellied Darter) 2. *Sula parva*, Gmel. (The Bessan or Common Booby) 3. *Phaeton Phanicurus* Vieill. (The Common Tropic Bird)



16 n. s.

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8 n. s.

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13 n. s.

1 *Cygnus olor* Gmel. (The Red billed or Domestic Swan) 2. *Anser (Bernacle) erythropus*. Gmel. (The Bernacle Goose) 3. *Anas (Garrot) albicollis*. Gmel. (The Golden Eye)



1 *Anser cinereus* Meyer (The Wild Goose) 2 *Mergus serrator* L. (The Red Breasted Merganser.)
 3 *Anas boschas* L. (The Wild Mallard.)



1. Eider (*anas mollissima* L. (The Eider or St Cuthbert's Duck) 2. Tadorno (*an boschas* L. The Mallard
 3. *Mergus cucullatus* End. The Gowander)



1 *Struthio camelus*, Lin. The Ostrich

2 *Casuarus galentus* Vieill. The galated Casuarus



1 Skeleton of the Ibis from a Mummy, found at Thebes in Egypt. 2 Figure of the Ibis copied from one of the Temples in Upper Egypt. 3. Bill drawn from the Mummy of an Ibis by Mr Olivier.





1. Numenius Ibis. The true Ibis of the Egyptians.



