

Sed jam *Editores*, sicut æquum est, cum bonâ gratiâ dimittamus : hanc enim eorum humanitatem libenter agnosco, quòd principia, quibus usus sum, modò vera fuerint, me satis aptè atq; appositè ad rem meam accommodasse etiam, non inficiando confiteri videantur.

IX. *An Account of a Book, entituled, Gazophylacii Natura & Artis. Vol. I. In V. Decadibus. In quo Animalia, viz. Quadrupeda, Aves, Pisces, Reptilia, Insecta, Vegetabilia; item Fossilia, corpora Marina & Stirpes Mineralee à Terrâ eruta, Lapides figurâ insignes, &c. Descriptionibus brevibus & Iconibus illustrantur. A Jacobo Petiver, Pharmacop. Londin. & Reg. Societ. Soc.*

THIS Volume which the *Curious Author* has now finish'd, contains 50 *Tables* of the *Figures* of divers rare *Beasts, Birds, Fishes, Serpents,* and other *Reptiles*; as also several *Rare Insects, Shells, Plants* and *Fossils*, many of which he has obtained from the *Cabinets* of divers *Curious Persons*, and procur'd others with no small *Expence* from all *Parts* of the *World*, as the following *Account* will testify.

An *Abstract* of the *first Decade* has already been given in these *Transactions* No. 284; the *second* in the *Memoirs* for the *Curious* for the *Month* of *December* 1707; and the *third* in the same *Memoirs* in *July* 1709. We now proceed to the *fourth* and *fifth*.

The

The first *Figure* in this *Table* presents you with a large *Bill* of a *Helmet-headed Philippine Bird*, called *Calao*: Its *Description, Nature, &c.* may be seen in these *Philosoph. Transact.* No. 285. p. 1394. 17. and in *Table 28* foregoing, is an entire *Bird* of this kind, there figured. *Fig. 8* and *12.* are two very beautiful *Sponge-Coralls* from the same *Islands.* *Fig. 6* and *11.* are two *Plants* from *Madraspatan*, or *Fort St George.* *Fig. 9.* A remarkable *Shell* called *Pectunculus Venerens* from those *Parts.* The rest are divers small *Insects* and *Shells* of our own *Island*, and not common.

TAB.
XXXI.

Fig. 1. Represents a very curious sort of *Sea-Feather*, from the *Philippine Isles*, doubly netted with black *Threads.* 3. Another *Submarine* from the same *Shoars*: compos'd of many tangle-netted *Filaments* in a *Globular Ball*; both these sent to the *Author*, from the Learned *Father George Joseph Kamel.* *Fig. 2* and *9.* are *Luzone Shells*, the last a *Bivalve* called *Ducks bill* from its *Shape.* You have a particular *Accounts* of it in these *Transact.* No. p. 2402. 33. *Fig. 10, 11* and *12.* are 3 rare *Plants* which the *Curious Dr. Edward Buckley* collected about *Fort St. George.* *Fig. 5* and *8.* are two new *Kinds* of *Exotick Insects*, between a *Moth* and *Butterfly*; some part of their *Wings*, and commonly that near the middle, are transparent; the *Horns* of the first end crooked, the other thick and strait: Both these from *Carolina*, where there are divers kinds of them. *Fig. 4, 6* and *8.* are *English Insects.*

TAB.
XXXII.

This *Table* begins with a very odd sort of *Lentil* from *Madraspatan*, with spotted round *Leaves.* *Fig. 4.* is a large sort of *Tea*, with red *Flowers* as big as a *Rose*; in *China*, from whence it comes, they call it *Swa Tea.* vid. *Act. Phil.* No. 246. p. 396. *Fig. 8.* An elegant sort of *Androsace* from *Chusan.* *Fig. 3, 5, 9,* and *11.* are *American Insects* from *Carolina, Maryland,* and *Virginia.* *Fig. 7.* A *Moth* from *Guiney*; its body girdled with *Gold, Silver, Black,* and changeable, so beautiful I never yet

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XXXIII.

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from that part have seen its like. *Fig. 10* and *12.* are two varieties of very curious *English* Moths, which for their Beauty and Spots are call'd *Royal Leopards.*

TAB.
XXXIV.

The 3d Icon in this *Table* gives you the Figure of the famous *China Tallow Tree*, of which *Father le Compte*, p. 101. gives the Description, in his *History* of those Parts: Here you see it both in *Flower* and *Fruit.* The 1st and 2d are two *Cape Plants.* *Fig. 10.* is a strange Fruit found on the Shoars of the *Orkney Isles*, and is the same with another the Author received from the *Philippines*; but the Plant that produces it is not yet known. *Fig. 11.* An odd sort of *Agnus Castus*, with round hoary Leaves, from *Chusan* and the *Crocodile Isles.* To these are added 3 *English Butterflies*, and as many *Sea Nerit Shells.*

TAB.
XXXV.

The four first are the *Figures* of as many small *English* (and for the most part blueish) oculated *Butterflies.* *Fig. 6, 8, 9,* and *10.* are also *Native* Shells and Fossils. *Fig. 5.* gives you one of the largest kind of *Curculio* or *Pipe-Beetles* yet seen, from the Bay of *Bengal.* *Fig. 7* and *11.* are two Trees from the Island *Cheuxan*, or *Chusan*, communicated to the Author by that Worthy Physician, and Curious Collector of all Rarities, Dr. *Hans Sloane*, Secretary to the *Royal Society.* The last in this *Table* is a rare sort of *Sea Plant*, which *Father Kamel*, that Sagacious and Learned Naturalist, sent the Author from the *Philippine Isles.*

TAB.
XXXVI.

The bulk of this *Plate* is taken up with the *Figures* of 3 or 4 *Chusan* Plants, the last of which, No. 8. is a very elegant kind of *Fagara* with welted Stalks. This Industrious Author has also discover'd several other sorts of this rare and Medicinal Plant from those Parts. *Fig. 4.* represents a very strange serrated Bone, somewhat resembling the *Pristis* sive *Serra Clusij*, and is supposed to belong to some Fish. *Fig. 3, 4, 5, 6, 9,* and *10,* are *English Insects*, the last very rare and of a peculiar

liar Species. The last is a flat round stellated *Echinus*, found on the Coasts of *China* by that Curious Naturalist and Surgeon Mr. *James Cunningham*.

The largest Figure in this Table, is the true *Turmeric* of the *Shopp*s, which is here very neatly delineated from a design of *Father Kamel*, who (contrary to the Opinion of *Matthiolum*, *Cordus*, and even some later Writers) says, that the *Long* and *Round rooted* are the same Plant, viz. the last is the Parent or tuberous Glands, and the *Long* its Branches or Off-springs: The sundry Names and Vertues are largely described by him in the Appendix to Mr. *Ray*'s 3d Volume, p. 23. Fig. 4 gives you a large *Broom-rape* with a purple Flower, found wild in the sandy Places of *Barbary*, where its call'd by the Inhabitants there *Danoon*: And in the last place you have the Figure of the *Broom* itself, to which it grows: Its call'd in their *Arabick* Language *Rorum*: It bears a whitish Flower, and probably is the same which the *Spaniards* call *Retama*. The smaller Figures are of divers *East-India Insects*, chiefly from *Luzone*, with some Fruits from thence, and one from *Guiney*.

The beginning of this Table continues the Figures of other Fruits from *Guiney*, *Jamaica*, and *Luzone*, with 3 rare Beetles and a Butterfly from the last Place. The rest are several Plants observ'd in *Barbary*, and delineated there by Mr. *John James*, a Surgeon, about A. D. 1680. where he had been a *Captive* near 20 Years, and in that time had made several Remarks on the Plants of those Parts, and has design'd the chief of them; a Manuscript of which, with his Observations on them, Mr. *James Petiver*, the Author, has still by him. Fig. 7. is a wild *Oat* from thence, which the *Moors* call *Khortan*; it is ripe in *May*. Fig. 8. *Mitiniam*, which signifies *strong*, is a Plant with a yellow Flower, and Leaves like *Tyme*; of its *Bark* they make *Cords* and *Ropes*, as we do of *Hemp*. Fig. 9. is a yellow pentapetalous Flower, with

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TAB.
XXXVIII.

small serrated Leaves. The last has a carneous or reddish Flower, and seems a sort of *Carline Thistle*; the Natives call it *Tickuntoos*; it Flowers in April: The Roots are of a very hot taste, and by them much used in Powder to warm cold Stomachs.

TAB.
XXXIX.

Fig. 1. Represents a small *Berry-bearing Barbary Plant*, which grows on Rocky Mountains, and is called by the *Moors*, Fox-grapes. Fig. 3. gives you another, call'd there *Lowon*. Fig. 2. is a Curious *Flying Lizard*, or *Flying Dragon*, sent delineated to the Author from Father *Kamel*. Fig. 8. is a red warty *Mushroom* from *Barbary*, with a bloody Juice; it is called by the *Natives* there *Turtooths Bargasham*, and grows a foot high. Fig. 9. is an odd sort of *thorny Locust*, or *Grasshopper*, brought by Mr *James Cunningham* from *Chusan*. The rest are some rare *Fruits*, and *Butterflies* with their *Catterpillars*, and particularly a very strange hairy one with a *Pea like Coffin*, which is not usual.

TAB.
XXXX.

The 5 following are uncommon *Barbary Plants*, viz. Fig. 1. A sort of naked-flower'd, or *bald Dase*, with Leafy Stalks; its called there *Tusolka*, and Flowers in *March*. Fig. 2. is a woody stalk'd Plant full of *Flowers*. Fig. 5. A *Dase-flower'd Plant* with small nocht Leaves. Fig. 8. Seems a sort of *Aloes* with smooth frosty Leaves. Fig. 10. is a low Plant with a blue Flower and yellow bottom, flowering in *May*. Fig. 9. is a beautiful *Iguana*, or large edible *Lizard*, with a blue Head: You see a Description of it, which *Father Kamel* sent the Author, in the *Philosoph. Transact.* No. 318. Fig. 3. is a *Moth* from *Bengal*, with part of its Wings transparent; and the next is a *Butterfly* from *Madrassatan*, finely marked and spotted. Fig. 6 and 7. are two very odd Insects from *Luzone*. Fig. 11, 12 and 13. are the *Moth*, *Catterpillar*, and *Coffin*, feeding upon a large sort of *Philippine Arum* called *Biga*. Fig. 14. shews you the *Fruit* of the true *Oriental Anacardium*, so rarely met with in the
Druggists

Druggists Shops. The *Author* has lately discovered the *Tree* from whence it comes, and has got *Branches* of its *Leaves* and *Flowers*, which he promises to *Figure*.

This *Decade* and *Table* begins with divers *Luzone Insect*. The first is a sort of *Bugg*, curiously coloured with green, yellow, white, black, and red; this feeds on the *Lupine-leaved Malabar Crotolaria*, or *Rattle-broom*. The next is a pale green shining *Dor*, or *Comb-chaffer*, from its *Horns* when expanded resembling a *Comb*. *Fig. 3.* is a very elegant sort of *Cochineal*; its *Sheaths* being alternately streak'd with a changeable green and copper lustre. *Fig. 5.* is an odd sort of *Insect* with 3 sharp *Horns*; its *Head* and *Body* black, the last mixt with white; it hath a dancing flight like our *Gnats*. *Fig. 6:* a *Bugg* wholly green, suppos'd to change from *Fig. 1.* The true *Amomum* is here accurately *Figured* at No. 8. A large and very exact *Description* of this, and its many *Vertues*, may be seen in the *Dendrology* of Mr *Ray's* 3d Volume, p. 89. as also in the *Act. Philosoph.* No. 248. p. 2. *Fig. 4. 7. 9. and 12.* are uncommon *Barbary Plants*, taken from the *Designs* of the *Manuscript Herbal*, mentioned in the 38th *Table*, which was presented to the *Author* by Mr. *John Thorpe*, Apothecary. *Fig. 10 and 11.* are two *Moths* caught in the *Bay* of *Bengal*, by Mr. *Henry Smyth*, who made a *Present* of them and divers others, which he had collected in those *Parts*, to Mr. *James Petiver*.

The first *Figure* is of a *Wood* from *India*, which the *Portugueze* call *Pao de Cobra*, i. e. *Lignum Colubrinum*, or *Snake-wood*. The *Bark* is much bitterer than the *Wood*, which resembles that of *Tamarisk*. *Fig. 2. 3. and 5.* are *Luzone Beetles*, taken from *Father Kamel's* *Designs*. *Fig. 6. 9. 10. and 11, &c.* are several uncommon *English Insects*. *Fig. 7.* is a *Plant* with a *Jasmin Flower*, whose *Leaves* taste and smell like *Worm-wood*; it grows on the

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XLII.

Sea-Coasts of the *Philippine Isles*; from whence also come the several odd *Fruits*, figured at 4. 8. 10. and 14. The last but one is a large long *Nutt-meg.* with its *Mace* on it, found wild on the *Mountain Balete*.

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XLIII.

Fig. 1. Is a round, pointed, umbilicated *Leaf* of a *Luzone Tree* call'd *Balanti*, whose *Root* they commend in *Fluxes*. The next is another *Tree* with a large *Plane* or *Maple Leaf*, the *Wood* of which is very brittle. *Fig. 3.* 4-5. and the two last, are divers *Philippine Insects*. *Fig. 6* and *13.* are two *Squills*, a greater and less, from the same Coasts. *Fig. 7, &c.* is the *Leaf, Flower* and *Fruit* of a great shady *Tree* called the *Black Zapotl*; the pulp of the *Apple* is black, and tastes like a *Plumb*; but before it is ripe, it pricks the *Mouth* like the *Roots* of our *Arum* or *Wake Robin*. The *Brittle-tree* at *Fig. 11.* has an angular *Maple Leaf* with a stellated *Flower* and small *Berry*. *Fig. 12.* a very rare *Bird* remarkable for its two eared tufts on the *Head*, and ruff about its *Neck*. This *Mr Ray* calls *Colymbus cristatus*, the *Crested Ioon*, or *Diver*, but its *Head* is not there so well express'd as in the *Author's Figure*, who has the *Bird* it-self caught in *England*, tho' very rare.

TAB.
XLIV.

The 6 first *Figures* are of divers sorts of *Scarlet Pease*, called *Anacock* and *Abrus*, from *Guiney* and both the *Indies*. The other *Remarkables* are a large *Saw-bill'd Bird* from *Surinam*, called *Toucan*, finely mark'd with black, white, yellow and red. *Fig. 12.* is a rare sort of *Remora*, or *Stop-Ship*, with a very taper *Body*. See its *Description* in the *Act. Philosoph.* No. 302, 24. *Fig. 10* and *11,* are two *Philippine Plants*; the first a sort of *Visco-Aloss*, or *Flowring Misseloe*; the other the *Carandas* of *Garcias*, according to the *Opinion* of *Father Kamel*; its *Fruit* is of a pleasant roughish *Sweetness*, and full of small *Grains*.

TAB.
XLV.

In the middle of this *Plate* is delineated a very strange *Centaur-like Monster*, born in the *Philippine Islands*;

stands; an Account of which *Father Kamel* has given in the *Act. Phil.* No. 307. *Fig. 1* and *2.* are the *Leaf* and *Wood* of a *Tree*; which last and its *Root* are both *Alexipharmick* and *Traumatick.* *Fig. 3.* is a sort of *Rock* or *Tree-Oyster*, call'd by some a *Hammer-Shell* from its *Shape.* *Fig. 5, 6* and *13.* are three rare *Moths*; the first and last *English*, and to be seen only in the *Cabinets* of the *Curious, viz. Dr. Sloane, Mr. Dan ridge, &c.* The other a very elegant one from *Chusan*, white, with *scarlet Spots* and *edges.* *Fig. 7* and *8.* is the rugged *Nutt* and *Kernel* of a strange *Tree*, call'd in the *Philippines* *Hohom.* *Fig. 9, 10,* and *11.* are the *Fruit, &c.* of the *Scarlet Zapotl*, which the *Chinese* call *Xi-cu.* These they dry in the *Sun* like *Figs*, and eat them in their *Deserts* steep'd in *Wine*, and sprinkled with *Sugar* and *Cinamon.* *Fig. 12.* seems to be an *impreffion* of an *Entrochus* on a sort of *Iron Stone.* This *Dr. Chr. Max. Spener*, *Physitian* to the *King of Prussia*, and *Fellow* both of the *Imperial* and *Brandenburg Colleges*, sent the *Author*, amongst many other *Curious Fossils.* vid. *Act. Philosoph.* No. 302.

In this *Table* are great variety of divers *Curiosities.* *Fig. 1.* is a particoloured *American Serpent*, girded with white and black, and spotted with the last. *2.* is the *Vanilia*, as it grows. *3.* Its beautiful *Flower* in full bigness; and *4* is its ripe *Pod.* By thus seeing this profitable, and rare *Plant* in its different *States*, it may be the easier discovered in the *South-Sea*, and other *Places*, as it has lately been in *Jamaica:* *5.* is a sort of *Long-Pepper*, call'd in *New Spain, Mecaxochitl.* This they mix with their *Chocolate*, to give it a more pleasant taste, and to correct the *Breath.* *6.* Another sort, supposed for the same use, found in the *Spanish West-India Ships* that were burnt at *Vigo.* *7.* A particular *Unicorn Shell* from *Nevis*, with alternate hollows on its twirls. *8.* A very strange *Tree* from *New Spain*, with a *Tulip-Flower*, and
like

like a *Birds foot* growing out of it. 9. is a Sprig of the *Cortex Peru*, or *Jesuits Bark*, as figured by *Monfieur Pomet*. Here the Author promites a *Guinea* to the first Person that brings or sends him a fair Specimen or Branch of its Leaves, with Flower and Fruit on it, which, 'tis now hop'd, the *South-Sea Trade* may easily discover and bring over. *Fig 12.* and *13.* are 2 very beautiful *Surinam Birds*, copied from the Paintings of that great *Naturalist* and *Artist* *Madam Sybilla Merian*. The rest are *West India Insects*, and a curious Piece of *Fossil* flat *Echinus* from *Carolina*.

TAB.
XLVIII.

This *Table* begins with a very large *Capricorn Beetle*, accurately figur'd from a design which *F. Kamel* sent from *Luzone*, with the Insect itself very curiously preserved, to the Author *Mr. Petiver*, which he has still by him: As also the Head of another strange one, which they call *Ololo*, and comes next to our *Corvus volans*, or *Flying Buckbeetle*. *Fig. 8.* is a particular sort of creeping *Osund* or *Flowering Fern*, with small *Fumitory* Leaves, with two others of less Note. Here is also figured from the same hand a neat *Rhombus*, spotted with black and white, call'd therefore by some the *opard Shell*. To these the Author has added 4 *English Insects* of a new genus, approaching next to the *locusta* or *Grasshoppers*, but differ in their shape, and are in bulk much less; these he calls *Ranatrae*, or *Frogboppers* from their form and motion. *Fig. 12* and *13.* are the different Positions of a wonderful *Fossil*, call'd by *Wormius* and others, *Lapis Hysterolithos*. Those *Dr. G. Kifner*, a Curious *Physitian* at *Frankfort*, sent to the Author, who found them in the *Vineyards* of *Lobenstein*; he has also received them from *D. Heigel*, with the *Figures* of divers other sorts, which he designs to publish.

TAB.
XLVII.

Fig. 1. is a scarlet *Mushroom*, which grows to a Tree call'd in *Luzone* *Molavin*, whose *Wood* is famed for its extraordinary hardness. *Fig. 2, 3.* and *4.* is a red *Cam-lady*

lady from the same place; with its changes, viz. Catterpillar and Coffin. Fig. 6, 7, and 8. another somewhat bigger, of a Golden lustre, with its Mutations. 5. is also a smooth green *Cantharus* or long Beetle; with 9. a house Cock-roach, very like ours, which the Natives there give inwardly to kill Worms in Children; they drink also their Ashes, bruised and mixt with Sugar: They lay them to Ulcers and Cancers to suppurate. Fig. 11 and 12. are *Philippine Plants*; the first a Fern; the other, tho' rank'd amongst them, is supposed to be a Scandent bacciferous Herb. 13. is a fine rib'd *Indian Shell*, call'd there *Binga*. The two next from *Pulo Condore*; one a small black Warty *Welk*, the other a pretty marbled *Cockle*. The Author has lately found fig. 16. to be a Native of *Jamaica*, from whence it was brought, with divers others by Mr. Carter, Surgeon, a Person Curious in collecting Shells, &c.

The 3 first are the remaining *Ranatrae*, or Frog-hoppers, of Tab. 47. which the Curious Mr. Dandridge and the Author had observed. Fig. 4 and 5 are broad leaved *Luzone Ferns*; the one notch'd, the other plain. Fig. 6. is an *American* foraminous sandy *Sponge*, presented to the Author by Dr. Lewis, M. D. The two next are *Luzone Beetles*; the last very large and fair, with 2 Horns like an Oxe, and a shorter in the middle, with one much bigger from the lower Jaw, which turns up like the Trunk of an *Elephant*. Fig. 12. A sort of bacciferous *Dodder*, which climbs about Shrubs, and frequently the *Agnus Castus*: it bears a small tripetalous, or three-leaved Flower in April. The last is a very particular and rare *Scallop*; for, contrary to all others, it is smooth on the outside, and the Valves within only striated. This the Curious Mr. *Cunningham* observ'd, with several others, on the Shoars of *Pulo Condore*.

The 4 first Figures are *Luzone Spiders*, very exactly delineated. Fig. 1. A long Web-spinning house Spider. 2. A harmless *Tarantula*, its body of a *Filbert* size, and brown: Here is also shewn a flattish round *silken Egg-bag*, which

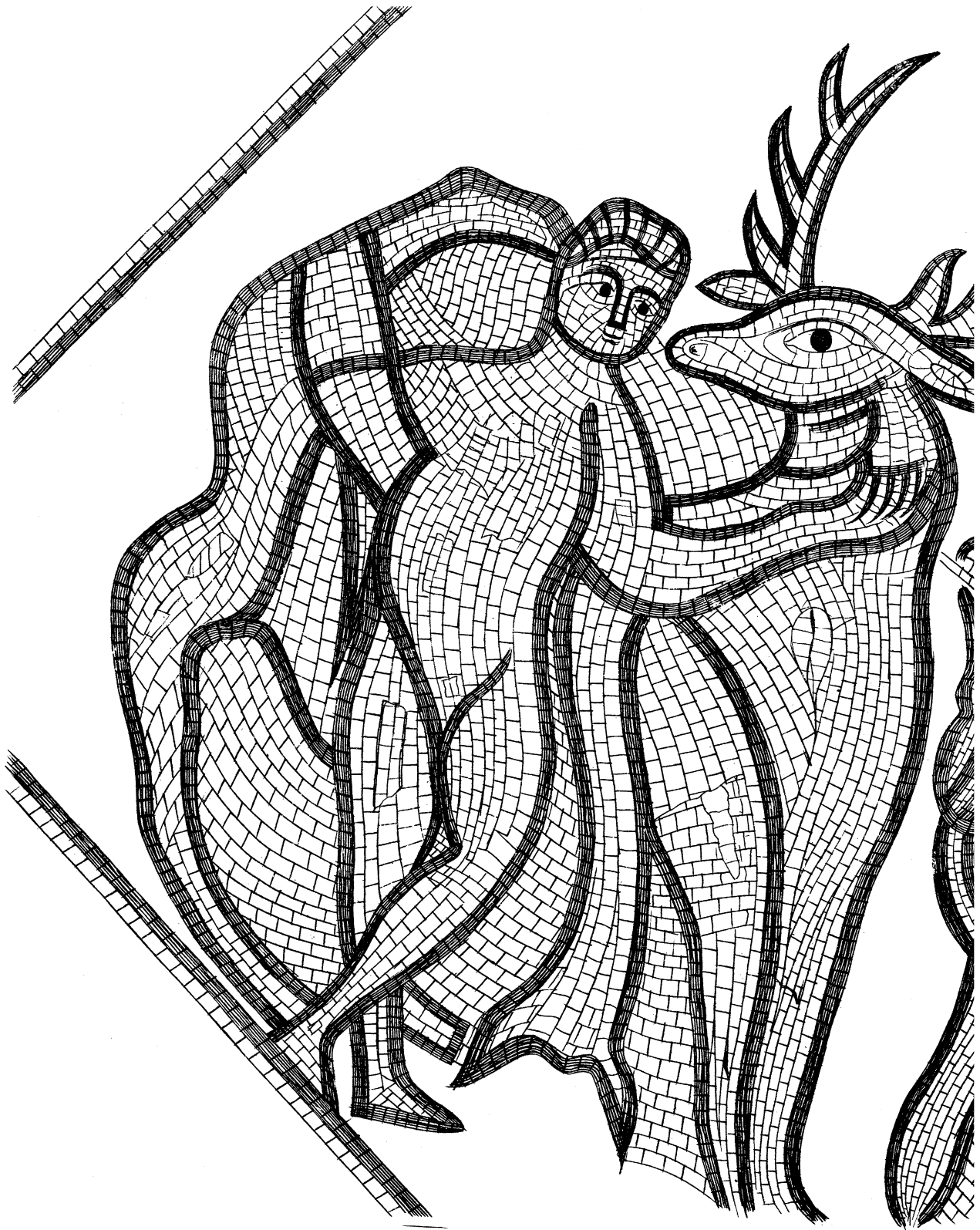
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which he carries under his Belly, and out of it was produced 1000 young ones. 3. A web-spinning *Spider*, with Silver, yellow and black girdles, with its white, flat, Silk Bag, in which *Father Kamel* believes there were 2000 Eggs. Fig. 4. Another long-leg'd one, with a marbled Body. 5. A green *Beetle*, very finely mark'd, which *Mr. Cunningham* brought from *Chusan*, and is one of the most beautiful of its kind from those Parts. 6. 7. 8 and 9. are small *English Pipers*, or *long-snouted Beetles*; the two last of *Mr. Dandridge's* discovering, and not common. 10 and 11 are *Bug-flies* observed in the Woods about *Hampsted Heath*. 12. an *Indian Flowring Fern*, with an *Arum-like Leaf*; the Seed-leaves higher and more erect than the rest, standing on longer root-stalkes than the green ones next the Root. They use this Plant instead of the *Spleenwort* of the *Shops*. 13. is a sort of *Dipping Shell*, very common on the Shoars of *Jamaica* and *Barbadoes*. The last is very like our *English Hedge Snail*, but without Girdles, and has a small Navel: This is often met with in our *Gardens*, and sometimes in *Hedges*.

N. B. The *Second Volume*, containing 50 more *Tables*, is just now finish'd, in which there are many other things no less Curious or Strange than the former; and are ready to be delivered as soon as Ten more *Subscribers* shall send a *Guinea* each to the Author *Mr. James Petiver*, or *Mr. Christopher Bateman*, Bookfeller in *Pater-noster Row*, where the *First Volume* may be had, and the *second* as soon as *subscribed* for.

L O N D O N: Printed for *H. Clements* at the *Half Moon*, and *W. Inny*s at the *Princes-Arms*, in *St Pauls Church-yard*; and *D. Brown* without *Temple-Bar*.



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