

TRAVELS

THROUGH THE

LOW-COUNTRIES,

Germany, Italy and France,

With curious Observations,

NATURAL, | MORAL,
TOPOGRAPHICAL, | PHYSIOLOGICAL, &c.

ALSO,

A CATALOGUE of PLANTS,

Found spontaneously growing in those Parts, and
their VIRTUES.

By the late Reverend and Learned

MR. JOHN RAY, F. R. S.

To which is added,

An ACCOUNT of the TRAVELS of
FRANCIS WILLUGHBY, Esq;
Through great Part of *SPAIN*.

The SECOND EDITION.

Corrected and Improv'd, and adorn'd with COPPER-PLATES.

VOL. I.

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T. Woodman, R. Chandler, and J. Wellington.

MDCCXXXVIII.

Over his Arms this written,

* *i. e.* Del-
phi.

• Phœbi
nimirum
feu solis.

* *Urbs Phœbi cineres jactat, sed * currus honores
Ingreditur quoties egrediturq; mari.*

One *Jean vander Mere*, an apothecary in this town, hath a *Musæum* well stored with natural and artificial rarities, which we viewed, and therein observed among other things the following particulars. *Zibetta* or the civet cat. *Dens Hippopotami*, as he pretended, though it be a question whether or no there be any such animal as the *Hippopotamus*; *Dentes Phocæ*, *Cornu Gazellæ*, of these we have since that seen in several cabinets. *Costa Sirenis dicta*, *Cornua birci Bezoardici*, *Cornua & Pedes Alcis*: this animal in *English* we call an *Elk*; I take it to be the same which in *New-England* and *Virginia* they call a *Moose*; it is of the deer-kind, the biggest and tallest of that *genus*. The horns have no brow-antlets, but only a broad palm with several snags upon it. I have seen one of these horns at Mr. *Holney's* an apothecary in *Lewis* that weighed 25 pounds. The skin of an *Elk* stuff'd we saw in the *Great Duke's* gallery at *Florence*. *Cornu cervi Americani*. The rattle-snake's skin. An elephant's tail, a very small thing considering the bigness of the animal. *Lacertus Indicus squamosus*. *Acus piscis 4 species*. A piece of a *Rhinoceros's* skin. At the anatomical theatre we saw the whole skin of a young rhinoceros stuff'd. The head of a dolphin. A giant's tooth, *si credere fas sit*. The head of a horned hare. A chamæleon. A *Soland-goose* out of *Groenland*. A *Tatou* or *Armadillo*. *Os petrosum Balenæ*. A young whale. A morse or sea-horse's head. *Guaina*, a fish from the island *Mauritius*. *Petim-buaba* or the tobacco-pipe fish. *Orbis Echinatus*. *Cancer Moluccanus ex novo Belgio*, which some call the sea-spider. *Corallium nigrum sive Antipathes*. *Spongia infundibuli specie*. *Mustela Africana*. Indian habits, an Indian saddle, several sorts of of Indian bread, Indian dice, several antient idols, The cup prince *William* of *Nassau* last drank out of. *Penicillum Sinense*. A *Japan* letter written to the *Dutch* governor, odly painted. *Passer Brasiliensis*. Several sorts of
Tominié's

Tominio's or humming-birds. A feather-garment from the streights of *Magellane*. *Siliqua arboris sacciferæ*. *Nidus avis ex Surat*. *Cancer Americanus*. Many sorts of *Indian* tobacco-pipes from new *Belgium*. A dart from *Fretum Davis*, wherewith the natives kill fish. A locust of that sort that St. *J. Baptist* ate in the wilderness. *Onocrotali caput*. *Rostrum Rhinocerotis avis sive Corvi Indici cornuti* of *Bontius*, which is worth twelve florins at *Amsterdam*. A cassawaries or *Emeus's* egg. A pelican's skin and bill. Many sorts of *Indian* weapons from *Brasil*. Eggs of an *Indian* goose. *Cor Veneris* (a shell like a *Nerites*.) Star-stones from *Compostella*. Several *Indian* and exotick fruits and seeds. *Putorius Africanus*, with hairs spotted like the quills of a porcupine.

In this city is a chirurgical and anatomical theatre, where lectures are read every *Wednesday*, and several rarities preserved, as the skin of a young rhinoceros stuff'd, before-mention'd. *Lacertus squamosus* of a different kind from what we had before seen. *Manucodiatae seu avis Paradisi nova species*. A flying squirrel. The skeleton of a dolphin. The tail of an *Indian* peacock. The head of an elephant. The horns of a hare. The head of a *Babiroussa*; it hath two long tusks on the lower jaw, and on the upper two horns that come out a little above the teeth, and turn up toward the eyes. In the entry below hangs a *Groenland* man in his boat, of which we have seen in several places, particularly in the *Trinity-house* at *Hull*.

This town is noted for good earthen ware, as stone-jugs, pots, &c. of which great plenty is made here. The government is by a prætor, two burgomasters, seven eschevins, and forty senators, which they call here, as in other towns of *Holland*, the *Vroetschap*.

May 28. We went by boat in an hour's time from *Delf Hague* to the *Hague*, which, though not walled about, is rather a great city than a village. It hath fair streets, stately and beautiful houses, especially about the palace where the States sit. Near this town is a large grove full of pleasant walks; where we first observed *Monophyllum* growing wild in great plenty. At *Scheveling*, a village by the seaside, a mile from the *Hague*, we found a sort of *Spartum maritimum*, much taller and larger than our *English* kind.

From

good books, and free for all persons, as well strangers as citizens, to enter into and make use of. It was founded by cardinal *Carolus Borromeus*, of whom they have made a saint. The college, called *Hermathenæum*, is a stately building, having a handsome court, encompassed with a double *portico* or cloister, one above the other. The pillars of both *portico*'s are double, the lowermost of the *Ionick*, the upper of the *Tuscan* order.

The castle of *Milan* is esteemed one of the principal fortresses of *Europe*, as well for its strength (having never been taken by force) as for its greatness and beauty. This castle, since its first building, hath been twice enlarged; for the ancient castle, built by the *Visconti* (which is now the palace of the governor, and before which is a court, having a round stone-tower at each corner;) the *French* taking in a great space of ground, inclosed with a square wall of a very great height and thickness, and a deep ditch. Upon the top of this wall one may walk under cover round about, and from thence have a fair prospect of the country, and the new fortifications of the castle, or the new line added by the *Spaniards*, being of a pentagonal figure, and having at each angle a bastion or mount, and between every two bastions an half moon. It is well furnished round about with great guns ready mounted. Within the castle is a water-mill, which they told us was driven by water which springs up within the castle-walls. *Schottus* saith, that the circuit of the whole fortress, besides the trenches, is 1600 paces. The garrison, at our being there, consisted of about 600 soldiers, and the *Castellan*, or governor's name, was *Don Balthasar Markadel*.

We saw the *Musæum*, or gallery of seignior *Man-March 6: fredus Septalius*, son to *Ludovicus Septalius* the famous physician; wherein we took notice of a box with a multitude of looking-glasses, so disposed, as by mutual reflexion to multiply the object many times; so that one could see no end of them: the best in this kind that I have any where seen. A plain plate of glass with so many spherical protuberances wrought upon it; that if you look'd thro' it upon any object, you saw it so many times multiplied, as there were protuberances or

P segments

segments of spheres upon the plain of the glass. Likewise a *speculum* of the same fashion, by looking upon which through the former, you see your face so many times multiplied, as to be equal to the product of the sum of the protuberances of the one glass, multiplied into the sum of the protuberances of the other. Several concave burning *specula* of metal; and we saw the experiment of burning by reflexion. Several engines counterfeiting a perpetual motion, of which, afterward we understood the intrigue. Several *automata*, and clocks of divers fashions, among the rest two of a cylindrical figure, which moved without weight or spring, only by being placed upon an inclining plain, their own weight was the spring of their motion. Pieces of amber with flies, grasshoppers, and bees inclosed in them. Pieces of chrystal with grass, moss, leaves, insects, &c. inclosed in them. A large piece of chrystal with a drop of water in it, and in that water a bubble of air, which, as you turned the stone, moved upwards. A little cornelian with a great quantity of water inclosed in it. Pictures made of feathers by the *Indians*. A great collection as well of ancient as modern coins and medals. Several *Entaglie*, *Camei*, & *Nicoli*. The *Pietra imbroscata* of *Imperatus*, having the lively signatures of herbs and trees upon it. Of this sort is found plenty about *Florence*, where they polish them, and make cabinets of them. Perfumed knives. *Persian*, *Arabick*, *Chinese*, and *Japonick* manuscripts; and a *China* kalendar in wood. Great variety of shells. Telescopes and microscopes of his own making. A large piece of the *minera*, or matrix of emeralds, with the stones growing in it. Many musical instruments, and divers sorts of pipes of his own invention. Ancient rings. *Indian* scepters and bills made of stone. Several things petrified. Chymical oils extracted by himself without fire. The skeleton of a morse's head. Divers and very large rhinoceros's horns, gazell's horns, and an unicorn's horn. Curious pieces of turned work of ivory, very fine and subtil. Several pieces of past and colour'd glass. Several pieces of most transparent chrystal-glass, excelling that of *Venice*, made and invented by himself. Fictitious *China*, or porcellane, of his own invention and making, hardly to be distinguished from

rence, Fiesole, Siena, Grossetto, Massa, Montalce, Suana, Chiusa, Pientia, all episcopal sees: besides which, in Tuscany are many considerable towns, castles, and fortresses.

I shall enlarge no farther concerning the churches, towers, pillars, fountains, statues of brass and stone, and pictures, of which there are a great number in this city, and of excellent workmanship: only I cannot omit to mention two *Statuæ equestres* in brass, much greater than the life; one of *Cosmus I.* upon the great piazza: the other of *Ferdinand I.* in the piazza of the *Annunciata*, erected by *Ferdinand II.*

The *Great Duke's* gallery is in the old palace, a The galle- handsome pile of building. Under ground, as it were, ry of the in cellars, are the stables: above them fair *portico's* or *Gr. Duke.* cloisters to walk in. Above the *portico's* are shops for all manner of artificers to work in for the *Great Duke.* The uppermost story is the *gallery* properly so called; where, in an open walk free for any man to come into, stand many ancient, and some also modern statues, Round about on each side this walk, hang the pictures of many Princes and other persons, who have been famous in the world for learning or valour. Among the rest we noted the pictures of of *Queen Elizabeth*, *King James*, *Oliver Cromwel*, and *Johannes Acutus*, before remember'd.

The chief rarities are lock'd up in closets, of which we saw four. The things which in our transient view we took more especial notice of were, a huge terrestrial globe, and a *Sphæra armillaris* bigger than that. A branch'd candlestick including many little figures of ivory, or white wax appearing thro' the transparent amber: an engine counterfeiting a perpetual motion, like those of *Septalius* at *Milan.* Several stone-tables, so curiously inlaid with small pieces of precious stones of divers colours, as to compose figures of plants, fruits, and flowers, birds, beasts, and insects, so natural and to the life, that scarce any picture drawn by the hand can excel them. One of these, the best and richest that we have any where seen, both for the excellency of the workmanship, and costliness of the materials, being set with many rubies and pearls, they valued at 100000 *Florence Scudi*, which is more than so many *English* crowns. Several rich cabinets. That of the greatest value, which they rated at

at 500000 *Scudi*, was rich set with gems of the first magnitude; a pearl of an enormous greatness, but not perfectly round; several topazes almost as big as walnuts, large rubies and emeralds, besides other stones of inferior note, studs of amethyst, &c. Here we also saw the nail, pretended to be one continued body, half iron, half gold, part of the iron having been turned into gold by one *Thurnhauserus*, an alchymist of *Basil*, before-mentioned. To us it seem'd counterfeit, and not neatly neither, the iron and the gold being but bunglingly joined together. A large topaz as big as a pullet's egg. An intire image made of one *Turchois* stone: many ancient *Roman* idols of brass; old *Roman* lamps found in sepulchres, of several fashions: a press full of turn'd work of ivory, very fine and subtile: rhinoceros horns, &c. I omit several pictures and statues wherewith the rooms were adorned, made by the best masters, and much esteemed by those that have judgment in such things.

The ar-
mory.

In the armory we saw several remarkables, as the armour of many great persons of *Europe*, among others of *Henry IV.* King of *France*, and *Charles V.* Emperor: *Hannibal's* head-piece (as they called it) it had engraven on it many ancient *Moresco* characters: a suit of *Persian* armour for a man on horse-back, made of little scales of iron. A loadstone, having its poles at the greatest distance I ever saw any: several *Indian* royal veils, made of feathers. Five great swords, such as the Pope uses to bless on *Christmas* day, and send to Princes. A King of *China's* armour made of fish-bones, and a wooden sword. This sure they mistook for an *Indian* King's, the *Chinese* having of a long time had the use both of iron and guns: *Japan* arms and swords without point, and broad at the top. Divers *Turkish* scymitars; *Scanderbeg's* sword: the hair of a horse's mane, seven yards in length; the skin of this horse stuffed up, sent by the Duke of *Lorrain*: several conceited guns: pistols, on whose muzzles were screw'd the heads of halberds, or pole-axes. Nine pistol-barrels so laid on a frame, that by letting down one cock they were all discharged, making eighteen shot, for each is double charged, and a train of powder leads from the touch-hole