ТНЕ

NATURAL HISTORY

O F

VEGETABLES,

As well Foreign as Indigenous;

Including an Account

Of their Roots, BARKS, Woods, LEAVES, FLOWERS, FRUITS, SEEDS, RESINS, GUMS, and Concreted Juices.

As alfo their

Properties, Virtues, and Uses in Medicine,

TOGETHER WITH

The Method of Cultivating those planted in Gardens.

By R. B R. O O K E S, M. D. Author of the General Practice of Physic.

VI.

LONDON:

Printed for J. NEWBERY, at the Bible and Sun, in St. Paul's Church-Yard, MDCCLXIII.⁹

 $\mathcal{O}K$ 99 E37 Digitized by Google

CFXN59CFXN59CFXN59*CFXN59CFXN59CFXN59 CFXX49CFXX49CFXX49*CFXX49CFXX29CFXX29

THE

CONTENTS.

PART I.

INTRODUCTION.

Of foreign Vegetables, and their Roots, Barks, Woods, Leaves, Flowers, Fruits, Seede, Refins, Gums, and concreted Julies.

CHAP, I, Of Roats,	T
CHAP. II. Of Barks,	23
CHAP. III. Of Waads,	29
CHAP. IV. Of Leaves and Flowvers,	34
CHAP. V. Of Fruits and Secds,	41
CHAP. VI. Of Liquid Refins,	Ġ4
CHAP, VII. Of Solid Refins,	60
CHAP. VIII. Of Gurns,	26
CHAP. IX. Of Gum-Refins,	80
CHAP. X. Of Juices extracted by art from Plants,	84
CHAP XI. Of Tubera, Fungi, and Subflances	that
adbere to certain Vegetables,	90

PART II.

Of indigenous Herbs, Plants, Sprubs, and Trees;	and their
Uses in Medicine,	93
An Alphabetical Index of their English Names,	438

ERRATUM.

A 2 182573^{gle}

The Place of the Lemon Tree should be placed in page 161.

X536FAX53X53#6FAX53#6FA#6FAX53X536FA X29654X49X23#654X42#654X42¥254

INTRODUCTION.

Of BOTANY in General.

F we confider the different methods in which the knowledge of Botany has been treated of late, we fhall find that none of the fciences fo much require abridgment. The fcience of Vegetables may properly enough be divided into three parts, namely that of their arrangement in the Botanical Nomenclature, their culture and their properties. The laft is the only one of real importance, the two former being fubfervient to it, and of no other benefit but as tending to make the latter more ferviceable or more readily comprehended.

When the knowledge of Vegetables is once reduced into a fcience, it is requifite that their names and diftribution fhould be the first thing delivered; but those who first attempted to learn the fcience from Nature herfelf, knew the plant and its properties before they affigned it a name. We have been nourished with the fruits, we have been clad with the leaves or barks, and have built huts of the wood of trees; before we became folicitous as to their appellations, chance rather than fagacity first taught us the use of plants, and their names followed their known utility. Hence it is obvious, that those immense labours which fome late Botanist have undergone to give us a list of the names of Plants, can tend but little towards the discovery of their properties.

One would be led to fuppofe from the repeated endeavours to fystematife this fcience, that the naming of plants was all they thought Students had to learn. There have been more attempts made, and time confumed in making catalogues of this nature, than

if

INTRODUCTION.

;;

1

1

if properly directed, would have difcovered feveral new properties in the vegetable world, as yet unknown. There have been numberless efforts made to impress distinct ideas of each plant, without giving the whole description, but every botanical system has hitherto failed in this particular, and nothing but a perfect description of each can give an adequate idea. For this reason, leaving such systems to the speculative, I have in the following work purfued the common method. and given a perfect account of every vegetable; its roots, leaves, stalks, height, flower, and feeds. Such compleat descriptions are absolutely necessary to diftinguish one object from another throughout every department of Natural History, but particularly in this The deviations of where the objects are fo numerous. nature are not to be reduced into fystems ; there are in plants no parts which are manifested in all the species, the flowers and the feeds which feem the most effential. and of confequence the most invariable are not to be found fimilar in many of the fame forts, although our most boasted systems are wholly founded upon the fimilitude in the parts of fructification.

I hope therefore Students will excuse me for not having adopted either the fystems of Tournefort, or Linnæus, in contradiction to nature and experience; my defign being not to amuse the speculative, but to direct the industrious. Their attempts to reduce the names of plants into a fystem, has rendered the study more difficult and more subject to error, than it would have been if the Student had only used his fight for the diftinguishing of plants, and his memory for registring The number also of vegetables which they them. have undertaken to register, is equally prejudicial to this useful study, not less than twenty thousand species have been classed, a multitude the mere remembring of which would employ all that time which might be more usefully spent in the vestigation of their particular ufes. Initead therefore of expatiating upon fo large, yet barren a field, I have only taken care to defcribe all fuch Exotics as are useful to us, either in medicine or manufactures, and all indigenous plants that have been at any time in use, which though now obfolete A Google

٧

folete may deferve one day an attention of which at prefent they are thought undeferving.

* Leaving therefore fystematical arrangement, let us treat this subject in the manner of the ancients, as *Pliny* and *Arifictle*, (if the work upon this subject ascribed to him be genuine) have handled it. Such as have been found already useful to mankind, we shall take particular care minutely to describe, and leave to posterity and chance to find out the uses of those now unnoticed.

In every vegetable production we may confider either the feed, the root, the leaf, the bark, the ftalk, the pith and the flower. All of which are necessary in carrying on the business of vegetation, and transmitting the fpecies from feafon to feafon without interruption. But though the principles of vegetation refide in every part of the plant, yet we generally find greater proportions of oil in the more elaborate and exalted parts of vegetables, namely the feed. This containing the rudiments of the future vegetable, it was necessary that it should be well stored with principles that would preferve the feed from putrefaction, and tend to promote vegetation. When the feed is fown, in a few days it imbibes fo much moifture, as to fwell, fo that it produces the radicale or incipient root, with fome force, which when thot into the ground, imbibes nourishment from thence, and what it receives becomes in a fhort time the chief fupply of future growth. When the root is thus far grown, it supplies the plume with nourifhment, till this by expanding and growing thinner, turns to green leaves, which are of fuch importance to the incipient plant, that it perifhes, and will not thrive if they are pulled off. But when the plume is fo far come to maturity, as to have branches and expanded leaves to draw up nourifhment, these seminal leaves being no longer useful, perish; their perspiration being impeded by the newly produced leaves that over shadow them, and their fap being

* Such as would defire to be more fully convinced of the fertility of the Botanical lystem, may confult a memoir written by Mr. Daubexton, the prefent keeper of the royal cabinet at Paris. Au Mat. Botanique Encyclp, fol. vol. ii. p. 340.

Digitized by Google

drawn

t

t

5

t

l

) 1

ľ

drawn away by the larger channels of the upper foliage. As the plant advances in flature, the first, fecond, third, and fourth order of lateral branches shoot out, each lower order being larger than those immediately above them, not only on account of their having a longer time to grow, but because being inferted in larger parts of the trunk, and nearer the root which is the grand fupply, they are provided with greater plen-ty of fap, from whence we generally fee trees tapering beautifully to the top.

Upon the discovery of the circulation of the blood in animals, Botanists seemed willing to think from the analogy there was between all the works of nature, that the fame circulation must also have prevailed in Vegetables; and fome have actually undertaken to prove, that the fap first rifes to the tops of trees by the pith, and then again descends to the root by the bark, with the fwifteft motion. This was long a received opinion, 'till the learned Doctor Hales undertook by experiment, to undeceive the public, and has led many to be of his opinion : When, fays he, the fap has first passed through that thick and fine strainer, the bark of the root (which may be regarded as the stomach of Vegetables in general, where the greatest part of the nourishment is prepared and taken in) there it is found in great quantities in the most lax part between the bark and the wood. early in the fpring it begins to rife. But as this fap is imbibed from the earth in great quantities, its celerity, continues he, would be incredible if that quantity firft. ascended to the top of the tree, and then descended again before it were carried off by perspiration. The defect of circulation, however, in vegetables, he accounts for by the fuperior quantity of liquor carried off by perspiration than what is perspired by animals, having fhewn that a Sun-flower, bulk for bulk, imbibes and perspires seventeen times more fresh liquor than a man, every twenty four hours. So that though the fap alcends with great velocity in Vegetables, from this great quantity of fubtile fluid carried off by the leaves, yet there feems no reason for its decent in any fuch proportion, nor would it have fufficient time to supply the plant with nutrition, if it went round ſo

fo brickly. Such was the opinion of this great Naturalist. Mr. Dubamel, however, who has written fince his time, has undertaken to prove the descent of the fap in Vegetables, as well as its alcent, by making a circular incifion on the barks of trees, and finding the fwelling of the bark above the incition was greater than that below it, which equally answered if the plant and its pot were inverted, the roots being in air, the branches downward. However, this may be certain, that there is a confant flow of juices through every plant, the roots furnishing it in great quantities, while the leaves fpreading an extended furface to the fun, have their moisture attracted in very large quantities, and when the influence of his beams no longer continue, they at night act as fponges, and imbibe the humidity of the air. Thus we fee that the leaves are abfolutely neceffary in the work of vegetation; they like young animals are furnished with inftruments to fuck it from thence; and befide this, they feperate and carry off the redundant watery fluid, which by being long detained, would turn rancid, and become noxious to the plant.

But as the leaves are found to exhale moiflure, fo they are known to imbibe nourifhment from the air. The acid and fulphureous spirit with which the air is fraught, is thence extracted by the leaves of plants, fo that it is. probable the most exalted and aromatic principles of Vegetables, are derived from this fource, rather than from the groffer watery fluid of the fap. Leaves are found to perform in some measure the same office, for the fupport of vegetative life, that the lungs of animals do for the fupport of animal life; but as plants have not a power of contracting or dilating the cheft, their infpirations will depend wholly on the alternate changes of the air. Plants of the more rich and racy juices, imbibe greater quantities of nutriment from the air, than the more vapid and fuchlent plants, which are found to abound more in fap. The Vine, for instance, is known by experiment to draw but little watery nutriment from the earth by its roots, and therefore it im-" bibes greater quantities of dew, impregnated with air by night, from whence it derives its richnefs of flavour ; and this may be the reafon why plants in hot countries, abound

e

e

1

Ĉ

n d

t

•

e

e 1

/ F ;; ix

abound more with fine aromatic principles, than northern vegetables, the former chiefly extracting their juices from the air by the leaf, the latter theirs from the earth by the root.

Nothing can exceed the regularity with which leaves are placed on every plant, and Bonetius has been at the pains of defcribing the different dispositions they assume, the alternate, the croffing, the vertical, the quincunx, and the fpiral, are the divisions he makes of their arrangements. But the care which, when hudding, Nature seens to take of the young shoots, still deserves greater admiration, for the most tender parts are ever defended by those which have acquired a greater degree of strength. Besides this, the leaf, as may be easily feen, has two different furfaces, the upper which feems more fmooth and polifhed, the lower in which the ribs are more prominent, and the colour of a paler green ; the cause of this difference has not a little puzzled the Botanists of every age; perhaps the upper polished furface from its position being more liable to the external injuries of the air and rains, is thus formed rather to defend the lower part, in which probably the attrac. tive powers may refide.

In this manner the leaves of trees contribute to improve the flavour of the fruits, and regulate the vegetation. When trees stand thick together in woods or groves, the lower branches, being shaded by those of neighbouring trees, can perspire little, and imbibe less, wherefore they perish : But the top branches being exposed to a free air, they perspire plentifully, and by this means drawing the sap to the top, they advance in height rather than extent : So that Doctor Hales compares a tree to a complicated engine, which hath as many different powers of attraction, as it hath arms or branches, each drawing from their common fountain of life, the root. The younger the plant, the greater its power of attraction, while as it grows older the veffels of circulation become more rigid, and the parts to be produced more inflexible, till at last the parts no longer capable from the rigidity of age, either of protrusion or dilatation, the plant acquires its greatest degree of hardness, but continues to vegetate no longer.

X ·

longer. So that in all we fee the admirable contrivance of the author of Nature, in adapting different ways of conveying nourifhment to the different circumftances of her productions. In the embryo flate the quantity which the bud demands relative to its fize, is very great, when it is encreased, though a much greater quantity of nourifhment is then necessary, yet less fuffices each particular part, fo that nature produces no organized being, which it is not able to fupply.

But the alliduity of nature in the protection of the growing plant, is not greater than her care to preferve the feeds which are to propagate the future Vegetable uninjured. The curious expansion of bloss and flowers, feem to be appointed by nature, not only to protect, but also to convey nourishment to the embryo feed. «Mr. Vallant even feems to regard flowers as the criterion which constitute the difference of fex in plants; he pretends that the leaves of flowers are nothing more than coverings, which ferve to wrap up the organs of generation, with which all plants are furnished, they having not lefs than animals their different fexes.

Tournefort, whole name we have adopted, diftinguishes five parts in flowers, namely the petal, the stamen, the apex, the piftil, and calix, or cup; thefe parts, however, are not found united in all flowers, but fome have one part, some another. To give the ignorant an idea of these, let us take the Carnation, a common flower, for an example, as containing them all. The leaves or petals of flowers are fo called to diftinguish them from the leaf of the plant. The petals are therefore the beautiful firiped leaves that compose the flower of the Carnation ; the stamen is that small slender stalk, several of which are found growing in the midft of the petals ; the apex is the little head with which every ftamen is terminated ; the pistil is that fingle eminence, in the midst of all terminated by two or three crooked filaments; while the calix or cup, is that exterior green part of the flower, which encloses and supports the reft. Such flowers as have flamina with apexes at the end, in general have two little receptacles, containing a dust or farina, but produce no fruit, they are called male plants ; such, on the contrary, as have only a pistil, which is fucceeded by the

Ĉ

777

ċ

e

0

e

xī

the fruit, are called female ; those, on the other hand, which have both stamina and pistils, are called Hermaphrodite Plants, as uniting both fexes in one. In order to perform the business of fæcundity, it has been supposed that the dust or farina, contained in the apex of the male flower, was fcattered by the wind, or otherwife upon the piftil of the female flowers, which was adapted with a proper aparatus for receiving it, and became by this means prolific. It has been also found by experience, that when the male and female flowers were seperated by an high wall, or otherwife, the latter continued barren and produced no feed; however, this whole theory has of late been strongly opposed by many eminent Botanist, particularly the late Doctor Alfton of Edinburgh, a man of extensive knowledge in fuch subjects, and of indefatigable industry.

The fruits in general ferve to fupply the feed with moifture, and may be compared-to a chymical elaboratory, in which the oleogenous juices are prepared; those kernels in particular which are enclosed within a thick shell, and receive nourishment from the fruit expanded round it, have the vessels which supply this nut, running perpendicularly inward, but making convolutions round the edges of the shell, in order to prepare the oils in still greater perfection.

In all fruits *Linnæus* diffinguishes the pericardium, or inner covering, in which the seed is lodged, the semen, or seed, and the receptaculum, or husk, as we call it, which is the part which supports the seed or the slower, or both together.

The Pericardium he divides into eight kinds, to wit. 1. The Capfula, or Pod, which is composed of several elastic cells, which generally open of themselves when ripe, and which inclose the seed in one or more cells. 2. The Conceptaculum which only differs from the Capfula, in that it is void of elasticity. 3. The Siliqua. 4. The Legumen. 5. The Drupa, 6. The Pomum. 7. The Bacca. 8. The Strobilus or Cone. Such are the divisions this Naturalist has thought proper to make in fruits; but if we examine Nature, we shall find that these are perfectly arbitrary, and that to understand these minute

INTRODUCTION.

minute diffinctions, is more difficult than to become acquainted with her real productions.

But though fruits in general are the most inconfiderable agents in promoting the work of vegetation, being, as has been already observed, only destined for fupplying the feed with proper moisture and nourifhment ; yet, with respect to man, they make the most uleful and pleasing part of vegetable productions. Their general properties, as constituting a part of our food, may be confidered as arifing from their different degrees of maturity. In general, while unripe, they may be confidered as aftringent, and in fome meafure partaking of the qualities of the bark of their respective trees ; when come to a sufficient degree of maturity, they cool and attenuate, but from too great a power, in these respects, they often bring on diforders that are fatal, particularly in warmer climates, where their juices are possessed of those qualities still more than with us. In our climates, however, this feldom happens, and they probably do not make a sufficient part of our diet.

As many expedients have beeen tried among us, for preferving fruit fresh all the year, I shall beg leave to give one communicated to the public by the Chevalier Southwell, and which has been used in France with fuecefs. "Take of Salt Petre one pound, of Bole Armenic two pounds, of common Sand well freed from its earthy parts, four pounds, and mix all together ; after this let the fruit be gathered with the hand before it be thorough ripe, each fruit being handled only by the stalk ; lay them regularly, and in order, in a large wide mouthed glass vessel; then cover the top of the glass with an oiled paper, and carrying it into a dry place, fet it in a box filled all round to about four inches thickness, with the aforesaid preparations, fo that no part of the glass vessel shall appear, being buried in a manner in the prepared Nitre ; and at the end of the year fuch fruits may be taken out as beautiful as they were when first put in.

N. B. In our defcription of the sommon Hemlock, we have taken no notice of the properties afer bad to it by Dr. Stork; for though we greatly eiteem that gentleman, and believe what he fays refpecting that plant, and its effects in Germany, yet we have the mortification to find that it does not produce the fame effects here.

хü

1 0,

ed d

s.

u at Y

5

ie M



ТНЕ

NATURAL HISTORY o F

VEGETABLES,

And their uses in Medicine,

PART I.

Of foreign vegetables, and their roots, barks, ewoods, leaves, flowers, fruits, feeds, refins, gums, and concreted juices.

CHAP. I.

Of Roots.

T Acorus Verus, is the fweet fmelling flag of T Rey, and the fweet fcented flag of other authors, has a long oblique geniculated root about as thick as a man's finger, and a lit-

the comprefied; when frefh, it is of a whitifu green colour, but atterwards, turns of a reddifu yellow. It is white and fpungy within, has a fharp bitterifu aromatic tafte, with a diftant relifu of that of garlick, and a fragrant aromatic fmell. When it is frefh, fragrant, and not mufty, rank, or rotten, it is good.

From the root, that lies near the furface of the earth, there arife leaves, fome of which are a cubit in length, others half as much, and its peculiar characteristic is Vol. VI. B a fimple

a fimple elegant iulus, with leaves, like the aromatic flower de luce. They are fharp at the point, of a pleafant green, fmooth, and above a quarter of an inch broad. The receptacle of fructification is in the fhape of a man's finger, covered with fmall flowers. They have fix petals, which are blunt, hollow, loofe, thick above and truncated below. There are fix thickifh filaments, a little longer than the corolla. The antheræ are thickifh, and join to the dedymæ. The germen dis gibbous, longifh, and there is no ftyle; but the ftigma is a prominent point. The capfula is fhort, triangular, and confifts of three cells. The feeds are of an oblong oval. *

Dr. Petit, a skilful botanist, affirms, the flowers are without petals, and confift of fix ftamina, disposed into a compact fpike, between which the embryoes are bred. and furrounded with very small flat leaves or scales. Each embryo turns into a quadrangular feed, and all the parts are connected to a thick axis, formed into a conical or horned spike, and are contained in a furrowed leaf that is thicker than the reft. The reader may perceive there is fome difference between these two defcriptions, but which of them is right, is hard to fay; but perhaps they may not both mean the fame plant. However, as the root is very well known, it is not of any great confequence. It abounds with a volatile effential oil, and a little urinous spirit. It is commended for ftrengthening the ftomach, difcuffing wind, eafing gripes, and for obstructions of the womb, and spleen; but it is not much depended on in these cases. It is given in fubftance, from twelve grains to thirty, and in infusion to two drams.

The INDIAN ACORUS, by fome called the true Afan Calamus Aramaticus, has a root not unlike the former, but more tender and of a pleafanter fmell; the tafte is bitterifh, but not difagreeable. It is found both in the Eaft and Weft-Indies, and is in fhape much like the former. It is recommended for inciding cold großs humours, and fome pretend it is good againft poifons.

* The defcription of this flower is from Linneus, whole terms cannot be properly translated into English, but the learned reader will readily understand them.

Digitized by Google

The

2

ati

e œ

ų

haj

liG

ú

er?

j

j.

or -

ü Ű,

ge.

ġ. 5

Ű,

¢.

۴ ژ

Ьſ

h

C.

e:

6

ŕ

e ni.

٢.

į

ł k

ī

gı

Ľ.

t

ø

1

The BASTARD ACORUS has a knotty root, and is red both within and without. It has little or no fmell, and is without tafte at first, but after a while it bites the tongue very much. It has formerly been kept in the shops instead of the true Acorus; but is now out of uſe.

ANGELICA is placed by Ray among the umbelliferous herbs with a fhorter feed. The flower according to Linnæus is a large convex umbella, and the univerfal corolla is uniform; but the proper confifts of five oval concave petals, that are nearly equal to each other. There are five fimple filaments, and roundish antheræ. The germen is beneath the receptacle, and there are two fimple erect flyles of the length of the corolla, and the Itigmata are capitated. The fruit is oval oblong, ftreaked, and may be feparated into two parts. There are two oval oblong feeds convex and ftreaked on the one fide, and the other plain. The root is three digits thick with many fibres, black and wrinkled on the outfide, but within white, foft, juicy, sharpish and bitterish. The falk grows to two cubits and upwards in height, and is hollow, full of branches, with large leaves like those of meadow smallage, but much sharper. Geoffrey lays the flowers are in the form of a role, and white with five petals, and a calyx, or cup, which turns to a fruit composed of two oblong streaked seeds. The dried root is brought to us from Bohemia, the Alps, and the Pyrenees. The best is thick, of a dusky colour without, whitish within, and with a most fragrant smell, a little inclining to musk, and of an acrid aromatic taste. The roots brought from Spain are recommended by our college, and it is accounted fomewhat cordial, and good for the flomach; but they are very feldom prefcribed now upon any occafron. Our own candid Angelica roots are well known to every one as a fweetmeat.

ANTHORA, in English Monk's bood, or whole some Wolfs Bane, is the Aconitum of Tournefort, and the flower has five unequal petals fet opposite to each other in pairs, the uppermost of which is galeated with its back turned upward, and the point sharp and reflected towards the bafe. The two on the fides are broad, roundifn and connivent; but the lowermost two are oblong, and turned

B Coogle

THE NATURAL HISTORY

turned downwards. There are two nectaria under the highest petal which is fiftulous and crooked. There are feveral small fubulated filaments, which are broader at the bafe, and inclined towards the highest petal. The antheræ are erect and small, and the three germina are oblong, terminating in flyles of the length of the flamina. The fligmata are fimple and reflected ; and there are three capfulæ fubulated, oval, upright, univalved, and ending inwards; the feeds are many, angular, and wrinkled. Others fay that the flower is anomalous. and confists of five petals, and unlike each other. refembling a man's head with a cowl thereon. The colour is of a palish yellow, and the pistil turns to a fruit, in which are collected, as into a head, corniculated membranaceous sheaths, full of angular wrinkled blackish feeds. The plant is generally about nine inches high. and fometimes it is above a cubit, with a fingular fiff angular hairy stalk, on which the leaves are fet alternately, which are like those of the Aconitum, only they are more flender and not fo fhining ; they are whitifh below, and have a bitterish taste. The root has been in ufe, and was supposed to be an antidote against poifons : however its vertues are uncertain, and fome think the ufe of it is dangerous; though Geoffrey affirms he has often given it for the killing of worms, and never observed it had any violent purging or other bad quality. He thinks it very proper to incide groß glutinous humours, and prefcribes it from a fcruple to a dram against gripes and for killing of worms.

ARISTOLOCHIA is of feveral kinds, as the round, the long, the clematitis, and the flender. Arifolachia Rotunda, or Round Birthwort, according to Linneus, has a fingle unequal petal, with a ventricous bafe; and it confifts of an oblong tube of a hexagon cylindrick fhape and a broad edge, extended downwards like a long tongue. There are fix antherz joined to the lower part of the fligmata, and the germen is oblong, angular, and under the receptacle. There is fcarce any flyle, and the tligma is roundifh, concave, and divided into fix parts. The capfula is large, hexangular, and confifting of fix cells. There are many flat feeds, and the fruit is round. Geoffrey observes that the flowers confift of a th

at

I Ľ

Tk

25

jn:

17

211

au

cC,

2

r i

, i

n.

b

ci

Dİ.

cs

î C

ċ.

ŀ

C

j)t

ß

H

2

đ

¥

21

c

ſ.

ţ

5

fingle petal in the form of a tongue, and are of a dark purplish black colour, with a calyx that changes to a' capfular fruit, which is roundifh, divided into fix cells that contain blackifh, broad, compressed feeds, lying one upon another, among which are certain membranes, and white fpungy matter, which is likewife common to the reft of the Birthworts. It confifts of a great number of falks proceeding from a fingle root, which are a. oubit high, and the leaves are placed alternately on the stalks almost without any pedicle. They are roundish, of a dufky green colour, and as it were embrace the stalks. The flowers proceed from the wings, the root is tuberofe, folid, three inches thick, roundifh, wrinkled, with a few fibres dusky on the outfide, of a palifh yellow colour within, and covered with a thick bark ; and the taste is acrid, aromatic, and bitterish.

ARISTOLOCHIA LONGA, long Birthwort, has the fame fort of flower as the former, only it is of a whitish green colour within, and outwardly of a herbaceous colour. The fruit is terminated like a top, and when it is ripe it gapes, flowing a broad reddifh feed, which at length turns to a dufky colour. The leaves are much like the former ; but the root is oblong and about an inch thick, though fometimes it grows to the thickness of a man's arm; and it is wrinkled, and of a dusky colour without, but within it is yellowifh, and the taffeis much like the former, but fomewhat more faint.

ARISTOLOCHIA CLEMATITIS has a long creeping root, divided into feveral fibres; it is fmall, for it is feldom thicker than a goofe-quill, it is dufky without, and yellowish within; and it has a bitter taste, with a imell ftronger than the former. The ftalks are a cubit in length, and are rounder, harder, and ftronger than those of the former; likewife the leaves are larger, full of veins, and of a pale green colour, with longer pedicles than the reft. The flowers are pale, but shaped like those of round Birthwort but less, and the fruit is like that of long Birthwort but bigger, they being of the fize of fmall apples, likewife the feeds are larger.

ARISTOLOCHIA TENUIS, Stender Birtbrwort ; otherwise called Piftilochia, has a root which confifts of long flender filaments, meeting in one head of a yellowish colour,

colour, with an aromatic fmell, and an acrid bitter taffe. The stalks are about nine inches high, and slender. They are angular and fireaked, and full of branches. with the leaves more pointed than the round Birth-wort. but less wrinkled and a little finuous on the edges. The flowers are like those of the round Birthwort but lefs. and fometimes black : but fometimes they are of an herbaceous yellowish colour, with fruit like those of the round. When they are ripe they gape at the part next the pedicle, and the feeds are like those of the round-Birtbwort.

All the kinds are reckoned to be opening and a little cleanfing, and fome effeem the round fort as best. They are faid to be good against catarrhs and diforders of the breast from gross humours; as also against wind, pains of the cholic, and obstructions of the viscera. Of late they have been cried up by the German phyficians as excellent against the gout, that is when a tincture is extracted from them with spirit of wine; because the refinous part is accounted the beft. Thus a pint of the fpirit that contains about two ounces of the refin, may be given to fifty drops; or the extract may be prefcribed in the form of pills, to the quantity of fifteen grains. This is looked upon by many to be a certain cure forthe gout, when taking in a morning failing for a confiderable time.

BEHEN ALBUM, white Behen, is a root which is brought to us in pieces about as thick as a man's finger ; of an ash colour without, with a contracted wrinkled furface, but pale and pulpy within, and of an acrid tafte.

BEHEN RUBRUM, red Behen, is a root brought to us in pieces like jalap, and is dry, thick, and of a blackish red colour, with a taste and smell like the former. but more faintish. They are both brought from Syria and other places. Authors have been long at variance about the plant to which this root belongs; but at length fome of the feeds have been brought by Tournefort into Europe, and is by him called Jacea Orientalis, that is, Oriental Knapwort, and is the white Behen of Rauwolf. It has a long geniculated root with no hairy fibres, andis creeping like Liquorice which it refembles both in fhape

fhape and thicknes; but it is whiter on the infide. As for *red Behen* we are fill uncertain what it is. It is faid to be itrengthening, and to be good in tremblings. However it is feldom or never in use.

BUTUA, or *Pareira brava* is a *Brafilian* plant, and the root is woody, hard, contorted, dufky, and wrinkled without, as well lengthways as circularly; within it is of a dufky yellow colour, and feems to be interwoven with various fibres; fo that when it is cut transversely, they appear like fo many concentric circles, with feveral rays or fibres reaching from the center to the circumference. It is without smell but of a bitterish taste, with a sweetness not unlike liquorice. It is as thick as arman's finger, and fometimes as a child's arm.

1

4

e

đ

le

ij

2

C!

2

25

x٠

¢

he

aj et

ņ

í.

j.

١ż

eti

j,

.....

t 1)

į i

nci,

şris

FC

;2tb

jr.2

ıt S

χŝ

â٢

h \$

ha¤

The Portuguele and Brasilians are very lavish inpraifing its vertues; and it is found in those parts to be excellent in pains of the gravel, and suppression of urine, fometimes relieving the patient almost in an instant. It is also good in ulcers of the bladder and kidnies, and when mixed with a little balfam of capivi it will certainly cure them. Geoffrey has found it good in the moist afthma, when other things have been tried in vain, for it promotes expectoration to a wonder. Likewife in the yellow jaundice proceeding from an inspiffated bile it has performed wonders, when exhibited in the form of a decoction; and three cups have been given of it in the space of an hour and a half; for the third cup cured a woman who had the jaundice, attended with pains of the cholic ; that is nit cured the cholic, and was still continued every fourth hour, till at length the yellow colour of the skin vanished, and the patient was quite reftored. The dole is from twelve grains to thirty in substance; and from two drams to three in decoction.

CARLINA, or *Chamælion albus* of the fhops, is a root a palm or two in length, and of the thicknefs of a man's thumb; it is red without, and has a furface which feems to have been corroded; it is white within, with an acrid aromatic tafte, and a fragrant fmell. It is brought from the *Alps* and *Pyrenees*, and fhould be chofen trefh, dry, and not carious. It is now of little on no use in medicine.

igitiz**B**by**4**.00gle

CASU-

1°.

8

THE NATURAL HISTORY

CASUMUNAR is an Eafl-India root, and is tuberofe. It is as thick as a man's thumb and upwards, and is cut into transverse pieces; it is marked on the furface with circles like galangal, and is a little geniculated. It is associated without, yellowish within, with a subacrid, bitteriss, aromatic tasse. What plant this belongs to is uncertain; however it is faid to ftrengthenthe nerves, refresh the spirits, corroborate the stomach, and repel wind. Some cry up its vertues in the apoplexy, falling fickness, fwimming of the head, the hypocondriac passion, and hysterick fits. It is given in subflance from ten grains to thirty, and the tincture fromtwenty drops to thirty. The extract is also given fromfix grains to fasteen; but the chiefest use made of it is. to help digestion and dispel wind.

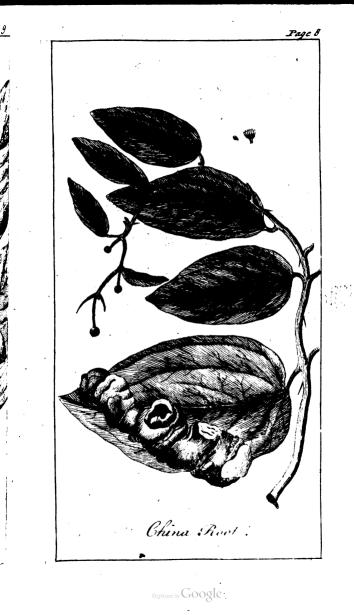
CHINA, is a long root, and is fo called from theplace it is brought from. However there are now two forts, one of which is brought from the Eafl, and theother from the Weft-Indies. It is a thick arundinaceous. geniculated, heavy, woody root, befet with unequal tubercles, and the colour without is of a dufky red, but within of a reddifh white. The tafte while fresh is a. little acrid, but when dry it has a fmall degree of an earthy aftringent take, and without fmell ; if it is good it feems to be fat and uncluous when chewed. The plant to which it belongs is called the rough Chine fe-Ímilax, or bind weed. This root was unknown to the ancients ; but among the moderns it has been celebrated for its vertues against venereal diseases ; though it is now pretty much laid afide, and gives way to more powerful medicines. Some affirm it refolves thick humours, and promotes infenfible perfpiration; others recommend it. against all diseases of the nerves as well as the gout are fcrophulous swellings ; but it is now little used for those purposes, and it is never given alone, though it has been. prefcribed in fubftance from half a dram to a dram and a half. The American China differs from the former only in being of a darker colour without, and redder. within.

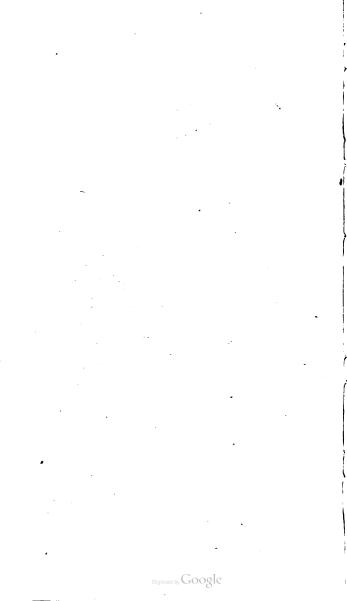
CONTRAYERVA is a root an inch or two in length, and about half an inch thick, and is knotty on the outfide; it is hard, thick, reddifh or blackifh without, wrinkled,

• • • • • • • . * . - · · • Digitized by Google



	Co	00	Ŀ
	GC	υg	16





wrinkled, and the protuberances are as it were covered with scales; it has also many flender filaments, or threads, but within it is pale, and has a fomewhat astringent bitterish taste, with a sweet fort of acrimony when it has been held long in the mouth. The tuberofe part is only to be chosen; for the filaments are of no value. It grows in feveral parts of the Weft Indies, and is brought to us from Spain, It is a mild alexipharmac, and has been counted excellent against all forts of coagulating poifons. It strengthens the stomach, helps digeftion, and discusses wind; it is also used by some in malignant fevers. The dole is generally a fcruple, but it may be given to a dram and upwards. It is certainly very good to promote a diaphorefis.

COSTUS is by authors faid to be of various kinds, but that in use with us is the fweet Costus of the shops, and is brought from the East-Indies. It is cut into oblong pieces, which are about the thickness of a man's thumb; which are light and porous, but hard and brittle, and a little refinous. Sometimes it is whitish, and fometimes of a yellowish ash colour, with an acrid aromatic bitterish taste ; but the smell is fragrant, and not unlike that of violets. It is faid to attenuate viscid humours, to promote expectoration, and is by fome reckoned a cephalic, as well as to be good for promoting a diaphorefis and urine. It is very feldom used, but when it is it may be given to half a dram in substance, and to half an ounce in infusion.

CURCUMA, Tumeric, is a root brought from the East-Indies, and is oblong, flender, tuberofe, knotty, and of a yellow or faffron colour ; the tafte is fubacrid, and bitterifh, with a fmell like that of ginger, but It is a very useful root to the dyers, and as it. weaker. is very much in request, there is scarce a garden in the East-Indies where it is not cultivated, and they use it with their victuals as a fort of a fpice. It is recommended against obstructions of the lungs, liver, fpleen, mefentery, and womb ; but its principal vertue is against the jaundice, in which it is looked upon as a specific. It is given in substance from a scruple to a dram, and in infusion to two drams. . Digitized by Google

CYPE-

10 THE NATURAL HISTORY

CYPERUS LONGA, long Cyperus, is a long flender knotty contorted root, not eafily broken; it is blackifh without. and whitish within ; and of a sweet subacrid aromatic tafte, with a fragrant fmell like that of nard. It is generally brought to us from Italy, and care should be taken that it has a lively fmell, and is not carious. There is another root called round Cyperu/s, which has been brought from the Levant, and is a roundifh and turbinated root, of the fize and shape of an olive. is rough, ftreaked, reddifh without, and fometimes black ; but it is white within, and there are feveral fibres or threads depending from a fingle head. The fmell andtaffe is the fame as the former. It has been cried up as a great aperient, and good for opening obstructions. It: has also been looked upon as a specific in ulcers of the bladder, and has been given to a dram in fubstance, and in infusion to an ounce; but in the prefent practice it is feldom used.

DICTAMNUS CRETICUS, dittany of Crete, is a kind of Origany, and is now only uled in venice treacle; it is brought to us from Candy, and is faid to grow on mount Ida. There is another fort called *white Dittany*, which is a fort of Fraxinella, which is now of fome ule in many parts of Europe. The root, or rather bark of the root, is thickifh, white, and is generally brought to us wrapped up in the fame manner as cinnamon; it is of a bitterifh taffe with a little acredity, and has a fragrant, and pretty firong fmell when fresh. It is faid to be an alexipharmac, to promote fweat, urine, the menfes; to kill worms, and to refift putrefaction. The dofe is from half a dram to two drams in fubfiance, and in infufion to an ounce.

DORONICUM ROMANUM, Roman Wolfibane, is a tuberofe root full of knots and tubercles, which are hardly fo big as fmall hazel nuts; it is yellowifh without, and whitifh within, and the tafte is fweetifh, clammy, and a little flyptic. It is brought to us from the *Alps*. There has been a great diffute among authors whether it is poifonous or not; for many affirm it will kill dogs in feven hours time; but fome in anfwer to this affirm, that what is poifonous to a dog may be falutary to a man, and particularly Gefner informs us, that he has taken fome of it without any harm. But be this as it will, if the vertues of this root are doubtful, it will be the fafeft to abitain from it.

GALANGA MINOR, the leffer Galangal, is a tuberole, knotty, geniculated root, and is divided into branches, as well as encompassed with circular rings; is uneven, hard, folid, and about as thick as the little. finger; of a dusky colour without, and reddifh within; with an acrid, aromatic, bitter, pungent tafte, burning the mouth like pepper or ginger, and has an aromatic or fragrant smell while it is fresh, it is used in the East-Indies as a spice. It is a warm stomachic bitter, and is given to promote digestion. It is good to discuss wind, and in all diforders that proceed from a weak flomach, fome have a great opinion of it as a purifier of the blood. The dole is from fifteen grains to thirty in substance, and from half a dram to two drams in infusion. When this root is reduced to a mafs, with the juice of plantain, and applied with a red cloth to the region of the heart, it is by fome looked upon as a fpecific against its palpitation.

GENTIANA, Gentian, is a root fometimes a foot in length, and near an inch in diameter, but fometimes more; it is dusky on the outfide, but of a yellowish red within, and a tafte intenfely bitter, likewife the fubstance is a little fpungy. It grows among the Alps, Pyrenees, and other mountains, and is brought to us from Germany. Not many years ago there was a poilonous root fold inftead of Gentian; but it may be readily diftinguished from it, it being of a whitish colour within, and without its bitter tafte. It is usually prefcribed as a bitter to firengthen the flomach, and to help digeftion, The dole is from half a dram to two drams. It is frequently used as a tent by furgeons to dilate ulcers and wounds.

GLYCYRRHIZA, Liquorice, is a root extremely well known almost to every body. The stalks rife to three or four cubits in height, and are divided into feveral branches, with round fh leaves of a faint green co-They fland upon the stalks by pairs, that is, cr.e lour. on each fide, but at the end there is one that is fingle. The flowers are papilionaceous, fmall, blueith, and at the top disposed as it were into a spike. The pistil that ₿`6`` rifes

1.1

rifes from the calyx turns into a reddifh pod, half any inch long, which has two valves and a fingle cell containing the feeds, which are fmall, hard, flat, and in the fhape of kidnies. According to Linnaus the flowers have a fingle leaved, tubulated, bilabiated perianthium, and the upper lip is divided into two parts; but the under lip is very fimple. The corolla is papilionaceous and tetrapetalous. The vexillum is oval like a launce, as well as strait and long, and the wings are oblong and a little bigger than the carina, which is dipetalous and acute, with a nail as long as the calyx. The flamen is fimple and hid in the carina; the antheræ are fimple and roundifh. The germen is fhorter than the calyx ;. the fivle fubulated and of the length of the stamina ;but the fligma is blunt. The pod is oval or oblong, fat and tharp, with a fingle cell.

Liquorice grows foontaneoufly in Spain, Italy, France, and Germany, and is also common with us in England. The root temperates falt acrid humours, and is good in difeases of the breaft. It is often prefcribed in decoctions, as well to appease the heats of the fluids as to abate their acrimony. As for the dose it is not eafly determined, for it is usually chewed by children in largequantities, without any bad consequence. The infpifiated juice which is brought from Spain is of a blackisth colour, and is commonly called Spanis liquorice, it has the fame vertue as the root but flronger.

HELLEBORUS ALBUS, white Hellebore, is an oblong tuberofe root, fometimes as thick as the thumb, dufky without, and white within, with a great number of whitifh fibres; the tafte is acrid, a little bitterifh, fubaftringent, difagreeable and naufeous. The inward ufe is not very fafe; nor indeed the outward, for when the powder is applied to an iffue it will occafion violest purging. When taken inwardly it is a ftrong emetic, and has been obferved fometimes to occafion convultions and other terrible diforders. However in defperate cafes it may be fometimes ventured upon; particularly againft madnefs; and the dofe in this difeafe is a fcruple; however it ought always to be ufed with the utmoft caution.

HEL

HELLEBORUS NIGER. black Hellebore, is a tuberole knotty root, from which as a head many fibres hang, which are thick and black without, but white within, and of an acrid bitterifh taffe ; the fmell while fresh is exceeding firong. The inward use of this is much . fafer than the former, and it is accounted a great melanagogue, that is, a proper purge against melancholic and atrabilatious diforders. It acts particularly on the Arait gut, for which reason it promotes the piles. Whether this be the Hellebore or not fo famous among the ancients for curing of madness is uncertain; for Tournefort made use of that in the Levant, which was esteemed the true Hellebore; but he found the effects to violent and uncertain, that he was obliged to leave it Quincy fays he has frequently given fifteen or off twenty grains of black Hellebore as an alterative and fudorific with good fuccess; but it could hardly be the right fort, because all authors agree that it is violent in . its operation.

HERMODACTILUS, Hermoda Byl, is a hard tuberole triangular root, or rather in the shape of half a heart, it being flat on one fide and tuberofe on the other, terminating as it were in a point; it is reddifh without, white within, and is eafily reduced into a meal by pounding; it is of a clammy fweetifh tafte with a flight : acrimony. While Hermodactyls are fresh they are faid . to operate both by vomit and ftool; but when they are dried and toasted, the Egyptians, particularly the women, eat them, because they are of an opinion they make them fat ; however they are always dried when they are brought to us, and have been thought to purge groß humours, particularly of the joints, whence they have been effeemed as excellent in the gout ; however their purgative quality is but weak. It is given in fubitance from half a dram to two, and in decoction to an ounce ; but it is feldom or never used alone.

JALAPA, Jalap, is an oblong turbinated thick denfe root, cut into transverse pieces, and is heavy and blackish without, but within dusky or associated. It is refinous, hard to be broken, and has a taste that is something acrid and nauseous. It is the root of an American convolvulus, and is called by some Mexican night shade with with a large flower. It is in great use as a purge, and is of the ftronger fort, though it feldom or never produces any bad confequences. It is best given in fubfance because then it operates best; for the refin is aptto occasion gripes, and the watery extract is too weak. It is very useful in a cold phlegmatic habit of body; but is not at all proper in feverish diforders, nor in hot and dry conflications, nor yet in melancholic, or scorbutic diforders. Geoffrey affirms it is good in childrens diseases, which Hofman denies; for he afferts it will deftroy the appetite and weaken the body; however it has been frequently given without any fuch bad confequences. But yet it is most fafe to give it with faline fubitances; as for inftance, fifteen grains of jalap with. half a feruple of vitriolic tartar, or cream of tartar. A fcruple is the ufual dofe to grown perfons.

IMPERATORIA, Master-wort, is not the fame plant called by that name with us, for it is brought from the Alp: and Pyrenean mountains; and is an oblong root as thick as a man's thumb, and wrinkled; it is fomewhat geniculated, and is dufky without, and white within, with a very actid aromatic tafte, violently vellicating the tongne, and heating the mouth; it has a moft fragrant smell but inclinable to what is commonly called physicky. It has been reckoned an alixipharmac, and has been recommended by Casper Hoffman as a divine remedy in the cholic and windy diforders. It is faid to help digeftion, cpen obstructions, and to help the afthma. The dose is from half a dram in subflance, and to two drams in infusion; but it is not now muchin use with us.

IPECACUANHA, is brought from America, and is of two kinds, the Peruvian and the Brafilian. The Peruvian is not a quarter of an inch thick, and is crooked, and as it were rough with circular rings; it is of a light brown or a fh colour, and is denfe, hard, brittle, refinous, with a fmall nerve which runs through its heart the whole length of the root; the taffe is fubacrid, bitterifh, and with little fmell. The Brafilian Ipecacuanka is of a brownifh colour and is crooked and rough, with rings like the former, but more rugged, and it is little more than the twelfth of an inch in thick-

nefs :

> Digitized by Google



1 Ç:

nefs ; it is brown or blackifh without, but white within, and of a flightly bitterish taile. The white Ipecacuanha is a baftard fort, and is flender, woody, without wrinkles or bitternefs. It is fometimes imported by the merchants for the true Ipecacuanha, but may be readily diflinguished from it; for befides the marks already mentioned, it is of a whitish yellow colour, neither will: it work upwards nor downwards like the two former. These last are now of great use in the beginning of dyfenteries and other fluxes of the belly; but the Peruwian is accounted the best. Those that have not been cautious in pounding it, have often found bad effects from it; for they have been taken with shortness of breath, fpitting of blood, or bleeding at the nofe; however these symptoms will go off of themselves. Eight ounces of the root will yield ten drams of refin, when the extract is made with spirit of wine. It has formerly been given to the quantity of a dram, but now from. fix to ten grains are judged to be fufficient. In a confirmed dyfentery if the dofes are fo fmall as not to be firong enough to purge, and given feveral times a day, it will cure the ulcers of the inteffines. It is now more generally used as an emetic than any thing elfe.

IRIS FLORENTINA, Florentine orris, is a root which is brought to us in oblong pieces, and it is geniculated, a little flat, white, with a yellow reddift bark. which when taken off, the root has a bitter acrid tafte. with a fragrant violet smell. It is sometimes twice as thick as a man's thumb. The Iris noftras purpurea, the common purple flower de luce, is of the same kind as the former; for the roots, leaves, and flowers, are of the fame shape, though the colour is different. Florentine orris attenuates and incides the thick lympha lodged in the breast, and promotes its expectoration; whence it is good in the affhma, fhortness of breath, and coughs; but it is chiefly used as a perfume, and is often mixed with fnuffs. The dole is from a fcruple to a dram. The root of common purple flower de luce when fresh, will work upwards and downwards, and from two to three ounces of the juice have been given against the dropfy every other day; but it is fo acrimonious, that it creates heats in the fauces, flomach, and bowels, and there-

16' THE NATURAL HISTORY

therefore is feldom used for that purpose. However when the juice is fauffed up the nose it brings away a great quantity of serum; and mixed with bean meal it is faid to take away freckles.

MECHOACANNA, Mechoacan, is a root brought. from South America in white pieces, and is covered with a wrinkled bark. The fubftance is foftifh with f carde any fibres, and the tafte is fweetifh, with a little acredity, which fometimes caufes a naufea. It has rings fomewhat like briony, but differs from it in being compact, and in having no bitter tafte, nor a ftrong difagreeable fmell. It was looked upon at firft as a most excellent purge, but is not fo much cried up now fince jalap became in ufe; however it is mild and fafe, and cleanfes the body from grofs, clammy, ferous humours; whence it is good in cold diforders of all kinds, particularly in dropfies. The dofe is from a dram to two drams, and fome have : given it to an ounce.

MEUM ATHAMANTICUM, Spignel, is an oblong root about as thick as the little finger and branched; it is covered with a bark of a ferruginous colour, but it is pale within, a little gummous, and contains a whitifh pith. It fmells almost like parsnips, though more aromatic, and the tafte is not difagreeable, though it is acrid and a little bitter. It grows among the Alpsand the Pyrenean mountains. It is faid to attenuate thickgross humours, and is recommended in the humoral afthma; it is good for wind in the flomach, the gripes and fupprefion of urine. The dose is from half adram to a dram in subflance, but it is now but feldom used.

NARDUS-CELTICA, *Celtick-Nard*, is a fibrous, capillary, reddifh root, covered with fmall fcales, of a yellowifh green colour; with an acrid bitterisfh aromatic tafte, and a fragrant ftrongifh fmell. It is faid to be a carminative; to ftrengthen a weak ftomach, and to help digeftion; but it is now chiefly used in venice treacle and mithridate. The dose is from half a dram to two drams.

NARDUS INDICA, Indian Spikenard, is a hairyroot, or rather a congeries of flender capilliments adhering to a head, which is about as thick as the finger,

OF VEGETABLES.

and as long, and of the colour of rufty iron; the tafte is bitter, acrid, aromatic; and the imell agreeable. It is faid to firengthen the flomach, and to difcufs wind; but its principal use now is in venice treacle and mithridate.

NINZIN, and GINS-ING, are generally taken forthe fame roots, but they are diffinet from each other :however their outer appearance and vertues are much the fame, though Gins-ing bears the much greater price. The root of Ninzin is in the shape of a parsnip, and isthree inches in length, and is about as thick as the little: finger, with a few fibres proceeding from it. It ispulpy, whitish, and has fome faintish cracks on the out fide ; but below it is divided into two branches. Ir has the fmell of the yellow parinip, and the tafte of fkirrets, but it is not quite fo fweet, and there feems to be a little bitterish talle. It grows in Korea, from. whence it is brought to Japan, and is in high effeem inthose parts. For they pretend it is endowed with extraordinary vertues. However it is of no use with us. Gins ing is a root of an inch long, and about as thick as the little finger ; it is flightly wrinkled, and generally divided into two branches, but fometimes into more; and at the fmall ends there are flender fibres. It is a little reddift without, but yellowift within, and the tafte is fubacrid, a little bitterish and aromatic. with an aromatic fmell. On the top there are a row of knotsplaced in an irregular order, which feem to tell the years of its growth. It was thought only to grow in-China and Tartary, between thirty-nine and forty-feven degrees of north latitude; but it is now found in Maryland and other parts near it, from whence it is brought to London, and fent to the Eaft-Indies, where it bears a great price; for it is confidently affirmed, that in China they will give three pounds of filver for a pound of this root. It is looked upon by the inhabitants as a panacea, and is their last refuge in all kinds of diforders. The phyficians in Batavia recommend it in fainting, weakneffes, and loss of memory. The dose is from a fcruple : to two in fubstance, and from a dram to two in infution.

Digitized by Google

ł

1

7

ŗ,

EYRE-

14

É

1

8

1

154 11 11 14. 84.

PYRETHRUM, Pellitory of Spain, is about thelength and thickness of a man's finger, and without it is of a blackish red, but it is white within, and has a most acrid burning taste, though it is without smell. This is brought from the kingdom of Tunis; but there is another kind which is more flender, and not fo acrid. They have large quantities of this root fent to Conflantinople and Cairo candied with fugar; and they eat it in pains of the breast and teeth. This root is remarkable for opening the falival ducts, and for procuring plenty of spittle, hence it is by some looked upon as a specific. in the tooth-ach, from obstructions and catarrhe. It is likewife good in fleepy difeafes, and the palfy of the tongue, when chewed and held in the mouth. It is feldom or never given inwardly except in glyfters againft fleepy difeafes.

RHABARBARUM VERUM, true Rhubarb, is a rcot brought to us in thick unequal pieces, from four inches to five or fix in length, and three or four thick. It is a little heavy, and of a dufky yellow on the outfide, but within it is of a faffron colour, and variegated withyellow in the fame manner as a nutmeg; it is a little fungous, of a fubacrid bitterifh and fomewhat aftringent. tafte, with an aromatic fmell but fomewhat firong. It grows in China, and though we have had feveral figures of the plant, it is not certain that any of them are. like it, which is fomewhat firange, fince it grows in all parts of that country, though principally near the great. wall; it was formerly brought from China through Tartary to Aleppo, and from thence to Alexandria, and at. length to Venice; but we have it now from the East-Indies and Ruffia. There is a fort has been fent to Jussien, and is called Rhubarb with an oblong curled undulated leaf. It was fent to him for the true China. Rhubarb, and is now growing in the phyfick garden at Paris, and there is also some of it in the physick garden at Chelfea. It was brought to Mr. Rand, the then gardiner, and was called by him the Rhubarb with an undulated. fmooth leaf like Burdock. These were generally thought to be the right fort, because their feeds are exactly like those fent from China by a Paris physician, and the roots agree in every respect. The root is thick, perennial.

OF VEGETABLES.

nIal, almost round, and descends into the earth to the length of a cubit, and is then divided into thick branches; and these again into less. This account is taken from Geoffroy, but Mr. Miller the present gardiner affirms that was nothing else than the Rhaponticum. However fince that time Mr. Miller has received fome of the true feeds as they were thought; but he fays that the roots that grow here are not comparable to the common Rhubarb, for which reason some imagine that there are feveral species of Rhubarb, which grow in different countries, and that the fort here mentioned is not the The faculties of Rhubarb are well known both. beft. for its purging quality, and for its general aftriction of the flomach and inteffines. It is supposed to open obfructions of the liver; from whence it is called by fome the foul of the liver, and it is excellent in loofeneffes. It is fo mild that it may be given to all ages and fexes at all times. However it is not very proper when the inteftines are very hot, and there is a feverish heat. It is good in the jaundice that proceeds from a clammy thick bile, which ftops up the biliary ducts. Some chew it in a morning before breakfast or dinner to help digettion. It is given in fubftance from half a fcruple to a dram, and in infusion to two drams.

The true RHAPONTIC, is the Rhubarb of Diofcorides and of the ancients, and is by fome called the English Rhubarb. The impalement of the flower is composed of three small leaves, which are turned back ; and the flower itself has three leaves, which are larger than those of the impalement, and are coloured. In the center of the flower is feated the three cornered pointal fupporting three fmall ftyles, and is attended by fix flamina, the pointal afterwards becomes a triangular feed inclosed by the petals of the flower. It is frequently cultivated in gardens, and of late years the first stalks of the leaves have been used for making of tarts in the spring of the year, but they must have their outward fkin peeled off, otherwife they will be very ftringy ; they have an agreeable acid flavour. When they are propagated for use they should be planted three feet afunder, and in rich ground.

Digitized by Google

The

The RHAPONTIC that was formerly used in the fhops is an oblong thick branched root, brown on the outfide and of a faffron colour within; when cut tranfverfely it is found ftreaked with rays proceeding from the center to the circumference. It is of a loofe texture, with a bitterifh, fubaftringent, fubacrid tafte, and afterfome time it becomes clammy in the mouth; the fimell is not difagreeable. It grows in many parts of *Tartary*, and is now cultivated in the gardens of *Europe*. It purgesmoderately, and is given in fubfrance from two drams to half an ounce, and in infufion or decoction from half an ounce to fix drams. It binds more powerfully than the true Rhubarb, and therefore is no defpicable remedy in a diarrhcea and dyfentery.

SARSAPARILLA, the root of this name is made like a rod of feveral ells in length, whole twigs are of the thickness of a goose quill, and are tough and flexible and fireaked lengthways. The bark is thin, and the colour without is reddifn, but ash coloured within ; under this there is a white mealy fubstance, which is fo foft, that it may be reduced to powder between the fingers ;the tafte is bitterish and clammy, but not disagreeable. Under this in the middle there is a woody bright tough fubstance, which is not eafily broken. All thefe twigs or strings proceed from a fingle head as thick as a man's thumb, and scaly. It is brought from New Spain, Pera, and Brafil. It is fudorific, and attenuates gross humours. It has been reckoned a specific against the venereal difeale, the gout, the palfy, and other chronic diforders :but its vertues are now most approved against the first ; for it performs wonders when mercury has failed of a cure. The method of using it is thus; to three ounces of the firings, which are good and not fpoiled with age or other accidents, three quarts of river water must be added, and it must be made to boil as soon as possiblein an open veffel till two pints of the ftrained liquor re-This quantity is enough for twenty-four hours, main. and may be given at two or three times, either warm or cold. It must be made fresh every other day, and the patient's diet should be stender while he takes it. Some have given it from half a dram to two drams in fubflance, **Hance**, and to half an ounce in decoction ; but the for-.mer method is beft.

SENEKA, is the root of a plant called Polygala Virginiana, with oblong leaves and white flowers; but it is known to us by the name of the Rattle Snake root. It is usually about the thickness of the little finger, and is variously bent or contorted, and is divided into many branches with lateral fibres, and there is a prominent membranaceous margin running lengthways; and it is yellowish without, but white within, and it has an acrid bitterish taste, but somewhat aromatic. In America it is looked upon as a specific against the bite of the Rattle Snake, by giving it inwardly, and applying it outwardly to the wound. It is likewife thought to be good in all other diforders proceeding from a thick blood, particularly in the pleurify and inflammation of the lungs, first letting the patient blood. Three spoonfuls of the following tincture have been given every fix hours, till the fymptoms have abated. Take of Seneka root three ounces, of wild Valerian root one ounce and a half, pound them in a mortar, and then add a quart of fack, digett them in a fand heat fix hours, and then decant for use. With these was given fifteen drops of balfam of Capivi and Sal volatile Oleofum in the usual drink, two hours after each dofe of the tincture. It has likewife been prefcribed in nervous diforders, and flow fevers with fuccess. The usual dose of the powder is about thirty grains, and feveral French phylicians, after various tryals, have declared it has had great fuccefs in the above difeales, and likewife in the dropfy, when the common remedies have failed. It will fometimes vomit and purge; but if the patient cannot bear it, it may be prevented by mixing a testaceous powder with the tincture, or by giving twelve grains of falt of tartar in weak cinnamon water.

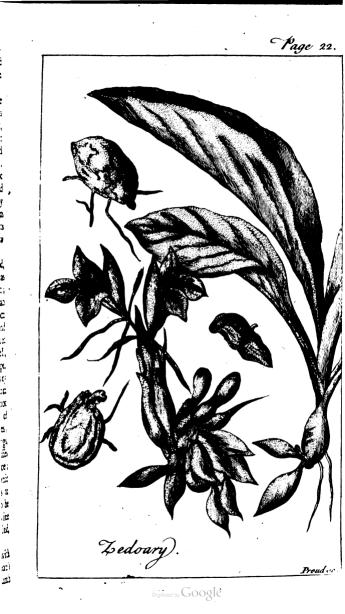
SERPENTARIA VIRGINIANA, Virginian Snakeroot, is flender, fibrous, light, brown without, and yellowifh within, with a fubacrid bitterifh tafte, and a fragrant aromatic fmell, not unlike that of zedoary. It is now reckoned a fpecies of the Ariftolochia, and is brought from Virginia and Carolina. It confifts of a great number of itrings or fibres matted together, that proceed from

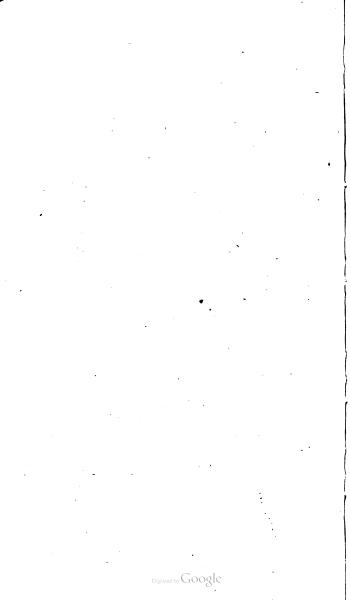
from a fingle head. It is accounted a great alexipharmac, and is frequently given in malignant fevers, and epidemical difeafes. It may be given in fubftance from ten to thirty grains, and in infufion to two drams.

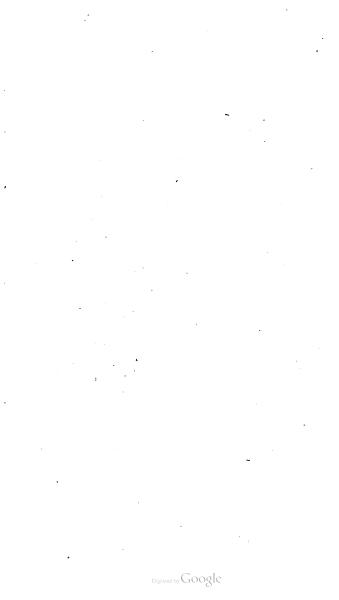
TURPÉTHUM, *Turbetb*, is a root, or rather the bark of a root, cut into oblong pieces about as thick as the finger, and it is brown or afh coloured without, but whitifh within, with a fubacrid naufeous tafte. It is beft when it is frefh, refinous, not wrinkled, and eafily broken. It belongs to an *Indian* Convolvulus. It has been thought a proper remedy to purge cff thick groß humours from the remote parts of the body, and has been commended in cold chronic difeafes, efpecially in the gout, palfy, and dropfy. The dofe is from fifteen grains to a dram, but an extract made of fpirits of wine is beft, of which a fcruple is a dofe; but it is now not much in ufe.

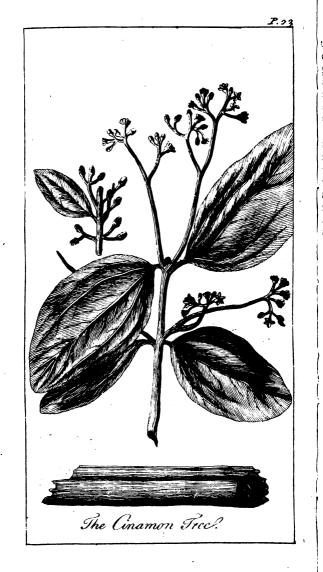
ZEDOARY, is a tuberofe root that is denfe, folid, from three to fix inches in length, and about as thick as a man's finger, terminating both ways in a blunt point ; it is ash coloured without, and white within, with an acrid, bitterifh, aromatic tafte, and fragrant fmell, which is most remarkable when it is chewed or pounded, and is fomewhat like camphire. There is another fort called round Zedoary, and is in fubstance, weight, folidity, fmell, and tafte like the former ; for it only differs in the fhape. which is roundifh and only an inch in diameter. They are both brought from China, but the latter is feldom found in the shops. Zedoary distilled with common water yields a thick oil, which concretes into a fort of camphire. It has been greatly celebrated for its vertues ; it promotes fweat, incides groß phlegm in the lungs, as well as in the ftomach and inteffines, it difcuffes wind, and cures the cholic proceeding from thence; it raifes the spirits, and has been given in several chronic diforders. The dole in fubftance is from fix grains to thirty, and two drams will ferve as an infusion to be drank in the manner of tea. Rectified spirit of wine extracts the aromatic part, leaving the bitter behind, which may be afterwards extracted in water.

ZERUMBETH, is a tuberofe geniculated root, with an unequal furface, and is from the thickness of a man's thumb









Digitized by Google

thumb to that of his arm; it is a little flattifh, and of a whitifh yellow colour, with an acrid tafte, not unlike ginger, and a fragrant fmell; it is feldom or never kept in the fhops. It is faid to be good againft acrid crudities of the flomach, and wind. When it is dried and reduced to meal they make bread of it in the *Eaft-Indies* -when corn is dear.

ZINGIBER, Ginger, is a well known tuberofe root, knotty, branched, and flattish, the substance is a little fibrous, and of a pale or yellowish colour, and covered with a brownish skin, which is commonly taken off before it is brought to us. 'The taffe is very acrid, hot. and aromatic, with a very fragrant fmell. It is brought both from the East and West-Indies, where it is looked upon while fresh as an excellent remedy against the cholic, loosenesses of the belly, and windy diforders. It ftrengthens the ftomach, helps digeftion, and is faid to firengthen the memory. It is often added to purges to correct them. But it should not be given in hot conflitutions, for then it will do more harm than good. It may be taken in fubstance from five to fifteen grains, but it is oftener taken in infusion or decoction from half a dram to half an ounce ; but the dofe of that which is brought over candied, is from a dram to an ounce.

CHAP. IL

Of Roots.

CINNAMOMUM, *Cinnamon*, is a well known fpice, it being a bark that is fometimes exceeding thin, and fometimes pretty thick, and rolled up into a fort of tubes or pipes of different lengths. The fubftance is ligneous and fibrous, but brittle ; and the colour is of a yellowifh red, with an acrid, pungent, pleafant, agreeable tafte, and a moft delightful fmell. It is the fecond and inward bark of a tree called Canella Zeylanica. It is commonly taken from trees that are three years old in the fpring or autumn; and the afh coloured outfide is taken

Digitized by Google

23

taken off, and then it is cut into pieces and exposed to the fun, and when it is drying it rolls itfelf up in the manner it is brought to us. When the tree is ftripped of its bark, it continues naked for two or three years, and then another grows again, which ferves for the fame purpose. When it is distilled fresh it yields plenty of oil, but when old and dry very little ; however it is of two forts, one of which finks to the bottom of the water. and the other fining on the furface. This last is pale. but the former is of a reddifh yellow colour, but they are both limpid and of a most fragrant fmell; but when they are tafted they are exceeding pungent. When the bark of the root is diffilled it yields an oil, with a volatile falt or camphire which is lighter than water, limpid, yellowish, and foon flies away. It has a ftrong smell between camphire and cinnamon, and has a very pungent tafte. The camphire got from it is exceeding white. and has a much finer fmell than the common fort : but it is extremely volatile, and takes fire immediately. whole flame leave nothing behind it. The fruit of this tree is an oblong roundifh berry, fomewhat above a third of an inch long, and is fmooth, green at first, but afterwards turns to a dufky blue, fprinkled with whitifh fpecks. Under the green pulp there is a thin brittle shell containing a roundish kernel. It is common in the island of Ceylon, where it is as plenty as hazel trees with Cinnamon is heating, drying, aperient, difcotient, us. and alexipharmatic; it frengthens the viscera, recreates the fpirits, helps digeftion, and difcuffes wind. It is given in fubstance from a scruple to a dram, and in infusion from one dram to two. The oil is fo hot and burning that it is never prefcribed alone, but it may be mixed with fugar and then given with any fluid. The dole is from one drop to three. A fingle drop on a dole of fugar is an excellent remedy against hiccoughing. Likewife if a drop of it be put with cotton into a hollow tooth it cures the tooth-ach by drying and burning the nerve. Cinnamon is commonly used as a spice, however it should be avoided when the stomach is inclinable to an inflammation, for then it does more harm than good; nor is it proper for hot and dry conflitutions,

Digitized by Google

CASSIA

CASSIA LIGNEA, Woody Caffia, is a bark brought to us in rolls like cinnamon, and has fomewhat of the fmell and tafte, but weaker, for which reafon it may be eafily diffinguished from it; befides which it is clammy when tafted; however the best is that which approaches nearest to Cinnamon. It has much the fame vertues as Cinnamon, though in a fmaller degree ; and when given as an aftringent it is preferred to it, on account of its glutinous quality; it is good in loofeneffes and to Brengthen the viscera. The dose in substance is two scruples, and when infused in half a pint of white wine an ounce.

CASSIA CARYOPHYLLATA, is the bark of a tree called the Clove berry tree, and is found in the island of Cuba, and other parts of the West Indies. It is as thin as Cinnamon, and of a dufky yellow colour. It is brought in rolls like cinnamon, and has a tafte between cloves and that bark ; but that of cloves is the most predominant. It grows stronger by length of time, and at length becomes fo acrimonious, that the tongue is affected as though it was burnt with a flight caustic. It has the same vertues as cloves, but fainter, and the inhabitants where it grows use it as a spice in their stead.

CANELLA ALBA, by fome called Winters-bark; and by others wild Cinnamon, is rolled up in oblong tubes, in the fame manner as cinnamon, but larger. It is thicker than cinnamon, and has an acrid, pungent, aromatic tafte, as if it had been mixed with cinnamon. ginger, and cloves. Some imagine there are two forts, but they only differ in the largeness and thickness of the tubes ; the one being taken from the trunk of the tree, and the other from the branches. It is not only used as a spice in the West-Indies, but is also accounted a good remedy against the fourvy. It discusses wind, and is fometimes used in diforders proceeding from catarrhs. It is also used as a corrector in biera picra. The dose is from half a feruple to a dram in fubstance, and to two drams in infusion.

CORTEX WINTERANUS VERUS, the true winters bark, is brought over in tubes like the former; and it is of an afh colour without, that is, it has a covering of Digitized by COOGLC

VOL. VI.

of that colour, that is foft, fungous, unequal, and full of chinks; but within it is folid, denfe, and of the colour of rufty iron, with an acrid, aromatic, pungent, burning taffe, but the fmell is extremely fragrant. It was brought from the Straits of Magellan, by William Winter, in 1567. It has been accounted excellent against the fourvy, for which some reckon it a specific. However_it is feldom or never to be met with in the fhops. The dole in substance is from half a dram to a dram, and in decoction to two drams. The Canella Alba is now used instead of it.

CORTEX PERUVIANUS, Peruvian or Jejuits bark, is generally from the fixth part of an inch to the fourth of an inch thick, and is rough on the outfide, it being of a brownish colour, but sometimes it is covered with a hoary mole; it is fmooth within, a little refinous. and of a reddifh rufty colour, with an intenfely bitterifh tafte, and fomewhat of aftringency. Sometimes it is brought in large pieces, three or four inches in length or upwards, and an inch broad, and not rolled up, becaufe it is taken from the trunk of the tree; fometimes inclining to tubes like cinnamon, though but flightly. and it is marked with shallow circular chaps or fifures ; this is taken from the flender branches; there is likewife a leffer fort, which is yellowith within, and hoary without, which is faid to be obtained from the roots, and is in high efteem in Spain. It grows in South America, and particularly in Peru. It was at first greatly celebrated for its febrifuge qualities, and is still in the highest efteem upon that account. However it has many other vertues which have been difcovered one after another : but that which was first remarked was its power in flopping mortifications. It is given in various forms for agues of every kind, and its tincture with faffron and Inake-root is excellent in nervous fevers, as well as in fpotted fevers. It also cures bilious fevers of the camp. when there are fhort intermisfions, as well as the malignant quinfey. It is good in the meafles, and cures the ftrumous ophthalmia, hectic fever, and has been found excellent in the epilepfy as well as St. Vitus's dance, the hooping cough, and fpitting of blood. It is of great use in a confumption, and in the intermitting putrid

putrid fevers of that difeafe, as also in the hyfteric paffion. It is good in the king's evil, cures a pimpled face, and malignant ulcers. It is excellent for hemorrhages in general, and for hysteric convulsions. It is uleful in tremblings, in languors, against the worms, as well as in a diabetes, and colliquative fweats, in which laft cafe it performs wonders ; and laftly, it cures aphthæ in fevers; in fhort there is no fingle remedy yet found out that is endowed with fo many excellent qualities, However there is one not yet mentioned, which must not be forgot, and that is its being an excellent prefervative in fickly aguish countries in all parts of the world, and in fickly feafons. Many who have taken the bark three times a day, or the infusion of it in a fmall quantity of brandy, have continued in health while others have died about them like rotten sheep. The dose of the bark in powder is half a dram, though fome have given it to two drams; and if an ounce is infused in a pint of generous red wine, fix ounces is a dose ; however it is certain that when it is given in fubstance it is much more efficacious than either in infusion or decoction ; but when patients refuse to take it in fubstance, the infusion in wine is undoubtedly the best. In whatever form this medicine is given, it must always be repeated every third or fourth hour, and in agues must be repeated again in eight days time from the cure; and it will be still better to give it a fecond or a third time, that is, a few doles of it every eight days; and this process is generally necessary for autumnal agues; befides it must be observed, that no evacuations of any kind must be made after taking the bark for fome weeks, or even months after a cure is performed.

CORTEX ELUTHERIZE, is known abroad by the name of *Cafcarilla*, and has been fold for the Jefuits bark; and it is itill called by fonfe the grey *Peruvian* bark. It is rolled up in tubes of the thicknefs of the finger, and from two to four inches in length. It is thinner, than the *Peruvian* bark, and is of a white affh colour without, but within of the colour of rufty iron, with a bitter aromatic tafte, and a fragrant fmell when burnt; however fome think it very difagreeable, and cannot bear it becaufe it affects their heads. It was

27

formerly used mixed with tobacco for fmoaking, because · it was supposed to correct its smell; but it is now laid afide. It has a refolvent, diaphoretic, and fedative quality, and is thought to be good in difeafes of the breait, particularly the pleurify and inflammation of the lungs; as also in loofenesses attending acute fevers. It was formerly cried up in malignant and contagious fevers; but now its vertues in those cases is not allowed. Some prefer it to the Jesuits bark for the cure of agues, but very improperly. By its fedative quality it is uleful in inflammations, though it is bad in the quinfy. It has produced good effects in internal hemorrhages, and in enormous vomiting, as well as in all fluxes of the belly. The dole is from fix grains to a fcruple, though it has been given to a dram three or four times a day.

CODAGA PALA, is a bark of a dufky reddifh colour. and fometimes whitifh, with a bitter and fomewhat pungent tafte. The tree that produces it is common on the coast of Malabar and the island of Ceylon. This bark reduced to powder and drank in four milk is recommended in fluxes of the belly ; as also is the bark of the root. If it be boiled in water wherein rice has been washed, it is good for the quinfy when fomented therewith, as well as in pains of the gout. It has been given in Scotland when reduced to a powder and made up into an electuary with fyrup of oranges, to the quantity of half an ounce or upwards every fourth hour for three or four days, against fluxes of the belly. The stools at first are more frequent, but without gripes; the next day they are of a better colour, and the third or fourth they become of the natural colour and confistence, if the cure has fucceeded.

SIMARUBA, is the bark of a tree hitherto undefcribed; but it grows in *Guiana* in *South America*. It is of a yellowifh white colour, and confitts of clammy fibres, and is of a bitterifh tafte, but has no fmell. It is taken from the root of the tree as well as the body and branches, from which it readily feparates. The bitternefs is but flight, and yet it ftrengthens the ftomach by its balfamic unctuous particles, which are known from the whitifh colour it gives the water in which it is boiled. It is good againft the gripes and other pains,

Digitized by Google

and

OF VEGETABLES.

and it ftops hemorrhages and fluxes of the belly. It was first brought to France in 1713, when it was used frequently against dysenterical fluxes of the belly, as well as in 1718, when there was another epidemical difeafe of that kind, and which could not be cured by ipecacuan. nah. It was first given decocted in a small quantity of water, from half an ounce to an ounce, and then it occasioned vomiting, profuse sweating, and other diforders; but it was after exhibited to two drams decocled in a quart of water, and in substance to half a dram; but then the raipings must be given and not the powder. It eases the pain in twenty-four hours time, and the fleep returns; befides it promotes plenty of limpid urine. and the stinking smell of the excrements ceases, and the appetite likewife returns. The loofenefs is fometimes cured with a dofe or two, unless there is a cacochymia, and then feveral dofes are neceffary.

တို့လင့်လည်းလို့လည်းလို့လည်းလို့လည်းလို့လည်းလို့လည်းလို့လည်းလို့လည်းလို့လည်းလို့လည်းလို့လည်းလို့လည်းလို့လည်းလို့

CHAP. III.

Of Woods.

GALLOCHUM, or LIGNUM ALOES, Aloes Wood, is of three kinds, and the first which is best is called Calambac by the East Indians. It is light, refinous, and as foft as massick, for it will slick to the teeth and nails, and it will melt over the fire with a very fweet fmell; but the tafte is bitterifh and aromatic. The Agallochum of the shops is brought to us in fragments of various fizes, which are heavy, denfe, and of a bay colour, variegated with blackish and refinous freaks; fometimes there are holes in it, as if it was rotten, but they are filled with a fort of reddifh refin, and then the colour of the wood is of a purplish black. The tafte of this is fubacrid, bitter, and aromatic, and the fmell is very agreeable. When it is laid upon red hot . iron it emits a refinous fluid, which swells in bubbles with a fweet and fomewhat acid fmoke. It grows in the island of Sumatra, in Cambaya, and more especially in

. **C**iqogle

ZQ.

in Cochin China. It is oftener met with in the fhops than the former, because the price of that is exceeding great.

AGALLOCHUM, or LIGNUM ALOES OF MEXICO, is more light, porous, and not fo refinous as that of the flops; the colour is of a brownish green, and the fmell is fweet and fragrant, not unlike that of the true lignum aloes, but the tafte is bitter. It is not only met with in Mexico but in the islands of Solor and Timor in the East-Indies. It is feldom or never taken notice of as a medicine, but is used in making boxes, chefts of drawers, and other things of that kind. Bontius affirms that the power of the agallochum of the fhops cures the cholera morbus and all cold diforders of the ftomach and inteffines, as well as kills worms in children. The effential oil that may be readily got from it is good in fainting fits, and the palfy, and is praifed by fome for ftrengthening the memory. It was formerly in use with us for curing the gout and rheumatism, but it is now laid alide; though the effential oil would undoubtedly ferve for many excellent purposed. It is looked upon as a cordial by Hoffman, and an excellent ftrengthener.

LIGNUM RHODIUM, Rhodium Wood, is a name given to woods of feveral kinds. It had its name from the ifland from whence it was brought, and it was alfo called Cyprinum, becaufe it was had from the ifland of Cyprus. This is fuppofed by fome to be the Affalathum of the ancients. This wood is of a pale yellow at firft, but in time grows reddift; and it is thick, hard, and folid, and marked with fat refinous knots, fmelling like a rofe. There is another fort of Rhodium brought from the ifland of Jamaica, and though it fmells like the true it appears to be different on a careful examination. The Dutch extract an effential oil from Rhodium which is well known, and only is ufed as a perfume, though it has doubtlefs many good medicinal qualities. It is ufed by fome in apoplectic balfams.

GUAIACUM, is otherwife called Lignum SanEtum and Lignum Vitæ; the wood of Guaiac, is a folid, denfe, heavy, and refinous wood, whole middle part or heart is of a blackifh green, and variegated with pale, green, and black colours; but the external part is of a pa².

Digitized by Google

yellow

yellow like box; it is of a bitterifh and fomewhat aromatic tafte with a mild acrimony, and the fmell when burnt is fomewhat fragrant and not difagreeable. The bark is woody, thin, denfe, fmooth, and fomewhat refinous, and confifts as it were of feveral thin plates laid one upon another; the colour without is of an afh coloured green or blackish, or variegated more or less with green fpots, intermixed with a livid or lead colour; it is pale within, of an acrid tafte, and difagreeably bitter. It grows in the West-Indies, and particularly Mexico and New Spain : This wood is full of refin, infomuch as a pint of rectified spirit of wine will extract leaft at two ounces thereof. When it is boiled in water for a confiderable time and afterwards gently evaporated, it will leave a mass that looks fomething like refin, which is balfamic, of an agreeable fmell, and a fomewhat acrid tafte ; when it is quite dry and reduced into powder and taken as fnuff, it will bring a large quantity of ferum from the nose; besides which it is very friendly to the nervous parts of the head. It has been formerly given very much against the venereal disease, before the vertues of mercury were found out, and the decoction is fill prefcribed by fome for that purpofe. The oil of guaiac is heavy, and when just distilled, if it be mixed with the fame quantity of rectified spirit of nitre, it will prefently ferment, fwell, and afterwards emit a flame. When the deflagration is over it leaves behind it a fpungy light fhining inlipid fubftance, which cannot be changed afterwards by any art. Guaiac incides and attenuates grofs humours, opens obstructions, promotes fweat and urine, ftrengthens the ftomach, as well as all the reft of the viscera, and cures inveterate obstructions of the liver and fpleen, and is prevalent against the jaundice, dropfy, and other diforders thence arifing. It is also good in the gout, rheumatism, and all forts of pains in the joints. It is a great friend to the nerves, and brings all cold hard fwellings to suppuration ; and yet it is never attended with the leaft bad confequence. The bark has the fame vertues as the wood, and is given as an antivenereal likewife. Twelve ounces of the wood macerated in three quarts of water for a day, and then boiled over a gentle fire till half or more is evaporated, and then **G**Google ftrained

-31

32

frained off, is called the cream of guaiac. If the remainder is boiled in four quarts of water to two, this new decoction is generally given for common drink. While the patient is taking these decoctions he must be shut up in a close room during the course of the cure, drinking a cup of the ftronger decoction twice in a day, that is, morning and evening; then he must be carefully covered with the bedcloaths for fome hours, till he falls into a fweat, which afterwards must be wiped off with a very warm linnen cloth. About three or four hours after the fweat he may eat a meal of two ounces of bifcuit with currants or damascene prunes, and sometimes he may be allowed young chickens and pigeons, but not very freely. The weaker decoction must be for common drink, and the body must be kept open all the time of the cure. On the feventeenth day he must take a pretty ftrong purge; and this course must be continued twenty or thirty days, or till the venereal poifon is quite destroyed, which may be known by the vanishing of all the symptoms. He must continue drinking the weak decoction for forty days afterwards, and be brought to his usual method of living by degrees. This was the old method of curing the pox, which is now in a great measure laid aside, because it may be done by mercury in a quicker manner.

LIGNUM TINCTILE CAMPECHENSE, *log-wood*, is well known as a dye, and is commonly brought from *Campeachy* in the *Bay* of *Honduras*. It is but lately u/cd as a medicine, and that in loofeneffes, in which it is very efficacious; for if two ounces of the chips are boiled in a quart of milk, and a quart of water to one quart, and a tea-cup full of this decofion be given every three hours, it feldom fails to cure a common diarrhoea. What other vertues it may have is uncertain; but there is little queftion to be made but it has many good qualities.

LIGNUM NEPHRITICUM, Nephritic wood, is whitifh or of a palifh yellow colour, and is folid and heavy, with a fubacrid and a little bitterifh tafte; the bark is blackifh, and the heart reddifh or brownifh. When this wood is macerated in water for half an hour, it turns it of the colour of an opal, that is, a mixture

Digitized by GOOQIC



.

d d :1

Sal TERMINE BOOK

Digitized by Google

Digitized by Google

mixture of blue and yellow, but not united, for in one light it appears blue, and in another yellow. When the tincture of this wood is put into a glafs veffel, and placed between the eye and the light, it appears to be of a gold colour; but if the eye is between the light and the veffel, it then feems to be blue. The wood has been recommended againft diforders of the kidnies, and difficulty of urine. Some have prefcribed feven ounces of the decoction every morning upon an empty flomach; others give it feveral times a day mixed with wine. However, its vertues are not fo remarkable as to be brought into the prefent practice.

SANTALUM CITRINUM, yellow Sanders, is a heavy folid wood brought from the Eafl-Indies in large ftrait pieces; it is of a pale reddifh or yellowifh colour, with an aromatic bitterifh tafte, and a fragrant fmell, inclining to that of musc and roses.

SANTALUM RUBRUM, red Sanders, is a folid, denfe, heavy wood, brought over from the Eaf Indies fometimes in strait and fometimes in crooked pieces. It is the heart of the tree, and has no remarkable fmell, but it has a flight aftringent, and auftere tafte. The vertues of these woods is not agreed upon by authors, for fome fay they are cooling, and others heating ; however they generally agree that they are inciding, attenuating, aftringent, and ftrengthening. But the yellow is the most powerful incider, and is more astringent than the red. Some recommend them as a most powerful remedy in the beginning of a confumption, and in obftinate fluxes of blood. The dose of the yellow in substance is from a scruple to a dram, and of the red to two drams ; but in decostion half an ounce. If the yellow Sanders be digested in rectified spirit of wine, it will yield a fine yellow tincture; and then if the fpirit be drawn off by diffillation, it will leave an extract much more efficacious than the wood itself; and it is recommended by Hoffman as a great reftorative.

SASSAFRAS, is the root of a large American tree, and is brought to us in long firait pieces, which are very light and of a fpungy tafte. It is of a whitifh red colour, and the bark is fpungy, afh coloured without, but within of the colour of ruft of iron. The tafte C = 0 of

of the wood is acrid, fweetish, and aromatic, with a fragrant fmell, not unlike that of fennel. Its vertues are fudorific and inciding ; and it is good in the cachexy, green fickness, and dropsy. It was formerly cried up against the venereal difease, but in that respect has not answered its character. Six pounds of the wood mixed with twelve quarts of river water, and properly diffilled after four days maceration, will yield an ounce and fix drams of oil as limpid as water, and yet will fink to the bottom when put into water. This oil will diffolve entirely in rectified spirit of wine, when it is genuine ; but if water be poured upon it, it will immediately fink to the bottom. It is good in diforders of the breaft, and particularly in coughs, pains, and fpafms. It may be taken alone or dropped upon fugar, or a drop or two may be mixed with a powder good for the fame purposes. The decoction, after the distillation of the oil, fhould be strained, and inspissated with a gentle heat, till it comes to the confiftence of an extract. This is of a bitterifh and fubaftringent tafte, and the dofe of it is a fcruple. It is good in a cachexy, to strengthen the tone of the vifcera, and in the declension of intermitting fevers, as well as to allay the fpaims arifing from a fault in the hypecondria. It is a medicine not very commonly known, but exceeding useful; Saffafras is alfo made use of like tea.

₣₹₩₩₩₩₩₩₩₩₩₩₩

CHAP. IV.

Of leaves and flowers.

CORALLINA, Sea moli, is a fmall marine plant, divided into a great number of fprigs, which are flender, brittle, and confift of feveral joints. Without it feems to be covered with a fort of a whitifh ftony fubfiance, and the colour is various; for it is either white, reddifh, yellowifh, afh coloured or black, and fometimes of the colour of grafs. It has an naufcous fifty fmell, with a faltifh difagreeable tafte, and crackles between

between the teeth; it may readily be reduced to powder by rubbing it between the fingers. It is feldom above an inch and a half, or two inches long, it is found growing in rocks on the fea, as well as on ftones, fhells, coral, and the like. It has no root, and is very plentiful on the fhore of the *Mediterranean* fea. That is efteemed the beft which is whitifh or afh coloured. It is greatly cried up for its vertue in killing worms, and is given in powder from half a dram to a dram.

SCHOENANTHUS, *Cameli bay*, this is brought in fprigs with the leaves, and fometimes with the flowers from *Arabia*; they are dry, fliff, round, fhining, geniculated, and about a foot in length; it is full of a fpungy pith, and is of a pale yellowifh colour at the moot, but near the top it is green or purplift; the tafte is hot, fubacrid, bitterifh, aromatic, and not difagreeable. It is by fome recommended in obfurctions of the bowels, in inflammations of the flomach, and in difficulty of urine. The dole in powder is to a dram, and of the decoction to two drams; but it is now out of ufe, except as an ingredient in venice treacle and mithridate.

MALABATHRUM, the Indian leaf, is like that of the cinnamon tree, and differs nothing from it except in fmell and taffe; for it is oblong, acuminated, denfe, and fmooth, and there are three nerves which run from the pedicle to the point; it has an aromatic fmell, not unlike that of cloves. The tree to which this leaf belongs is called the white cinnamon tree of Malabar. It is now only made use of in venice treacle and mithridate,

,

ł

1

ł

1

1

ş

٤

SENNA, or SENA, confits of fmall, dry, flattifh, firm, fharp, and as it were lanceolated leaves of a yellowifh green. The smell is not very firong, but the tafte is fubacrid, bitterifh, and nauseous. It is of two forts, the *Alexandrine* and that of *Tripoly*; which last is the worft, and the leaves are green and large, with a blunt point and rough to the touch. This medicine is in great use as a purge, because it is feldom or never attended with the bad confequences of draftic purges. Authors greatly differ with regard to the humours it brings away, which is a firong proof of its operating C 6 univerfally.

univerfally. It has been greatly praifed by fome for bringing away all noxious humours, and it is faid to be good in all chronic obstructions, particularly in flow fevers, melancholy, the epileply, itch, and other defedations of the fkin. However it is apt to gripe, for which reason physicians have endeavoured to correct it in various manners; fome with ginger, others with cinnamon, and others again with spikenard. Some mix it with prunes, jujubs, raifins, violets, marsh mallows, and polypody of the oak; others with things that discuss wind, and incide gross glutinous humours, such as fennel-seeds, aniseeds, coriander seeds, and falt of tartar. However those things are best that extend its refinous fubstance, such as a plenty of fluid, alkalious falts, and oils, in which refins readily diffolve. Senna is not good in those diforders in which the fluids are hot, and the folids tend to an inflammation, particularly in hemorrhages, all inflammations whatever, and difeafes of the breaft. Some authors are in doubt whether the leaves of Senna or pods are best; however there is no great difference, only the pods are faid to gripe leaft, and to be fomewhat weaker as a purge. It is given in substance from a fcruple to a dram, though very feldom, because it always gripes most exhibited in this manner. In an infusion or gentle decoction it is prescribed from a dram to half an ounce, either alone or with other purging medicines. Some have endeavoured to correct its difagreeable tafte by various additions, which however have not fucceeded extremely well; particularly they have recommended the greater water fig-wort for that purpole, but as it has a ftrong fmell and a naufeous bitter tafte it can do little good this way ; others have recommended bohea tea with as little fuccefs.

DICTAMNUM CRETICUM, or DICTAMNUS CRETICA, Dittany of Crete, is a leaf of a roundifh fhape, about an inch long, and of a greenifh colour, and covered with a thick white down. It is generally brought over with the ftalks, from whole tops a fort of fpike of fcaly leaves depend, of a purplifh colour. The imell is fragrant and not difagreeable, and the tafte is acrid, aromatic, and hot. Some authors make dictamnus to be of the mafculine gender, but whether properly

or

, Digitized by Google



or not is of no great confequence. It was commended by the ancients for its extraordinary vertues, efpecially in healing wounds. The dose in powder is from half a dram to a dram, and in infusion from a dram to half an ounce; but it is only used with us in venice treacle and mithridate.

THEA, Tea, is a small dried curled leaf, with a tafte bitterish in a small degree, and slightly astringent; the fmell is very agreeable and by fome is likened to that of new hay, or violets. It is brought from China, and has variety of names; but it may principally be divided into three kinds, namely, the green, the imperial, and the bohea. The green is of feveral forts, and is of various degrees of goodness, from the common coarse green tea to the hyfon, which is now the dearest and accounted the best of all. The imperial tea is so called because it is chiefly used by the emperor and great men in China and Japan. The leaf is large, and not fo much rolled up as in the other kinds: the colour is greenifh, lively, and of a fine fmell, with an agreeable taste. This, not many years ago, was in great request with us; but now we either have it not at all, or it is fold under a different name. The bohea is of a reddifh brown colour, and the leaf is fmall rolled up, and tinges the water of a brownish colour; but the difference of tafte of these teas are so well known they need not be infifted on. Some authors affure us there is no difference between the green and bohea teas, but what arifes from the manner of curing them, for the bohea is faid to be higher dried or rather burned, from which it receives its different tafte and colour. The natives throw the bohea into a brass vessel full of water, and boiled over a flow fire, where they keep it the whole day and it ferves for common drink; but these are the common fort, for others are much more nice and careful in preparing it. The Japonele grind their tea into a small powder, and then put a spoonful of it into one of their cups, powering hot water thereon, and then they beat them together with a fort of a brush composed of long brittles, till a foam arifes thereon; but the Chinefe make use of it in the fame manner as we do. The Chine fe pretend it is endowed with extraordinary vertues, fuch as clean-

Digitized by Google

fing

fing the blood, curing the vertigo, eafing pains of the head, and helping the dropfy. However it is certainly of fome use in abating the acrimony of the humours, and in keeping people awake, but more efpecially in those who drink it but feldom ; however when others take it late at night it very often prevents their fleeping found. Some physicians pretend that the Japanele who drink it constantly, are never troubled with the stone or gravel, but we find no fuch effects in these parts. It is gently aftringent, for which reason it hinders the water from weakening the flomach, and in those that take it but feldom it will prevent the operation of a purge. It has indeed fome power in preventing the gravel, but then it does not arife from the tea, for hot water alone will do the fame. In general it may be observed, that tea has different effects on different people, and therefore though it may be good for some it is hurtful to others.

STOECHAS ARABICA, French Lawender, confifts of the florid tops of the plant which when dried are called Storchas; they are oblong, fcaly, and of a purplish colour, with a subacrid bitterish taste, and a fragrant pleafant fmell. Though it is called the Arabian Stoechas it is brought from the fouth parts of France, where it grows spontaneously; it is now cultivated with us by fowing the feeds upon a bed of light dry foil in March. When the plants are come up, they should be carefully cleared from weeds, till they are two inches high, at which time they should be removed into a light dry level ground prepared for that purpose, and fet at about five or fix inches distant from each other, observing to water and shade them well till they have taken root. It has a labiated flower, confifting of one leaf, whole upper lip is apright and cut into two; but the under lip, or beard, is cut into three parts; but both are fo divided as at first to appear like a flower cut into five fegments, out of whole flower cup rifes the pointal, attended by four embryces, which afterwards become fo many roundifh feeds inclosed in the flower cup. The flowers are ranged in various rows with fcaly heads, out of the top of which peep fome fmall leaves which look very beautifully. The Stoechas used in the shops is fill

1k

n/

ń

ì

C

Ę

'n

a

ġ

c

fill brought from the fouth parts of *France*; but as it is apt to contract a mouldinefs in its paffage, it is not near fo good as that gathered fresh in *England*. It is recommended in cold diforders of the head and nerves; however it is rarely met with in prescription, but is used in venice treacle and mithridate.

CROCUS, Saffron, grows in various parts of the world, but it is no where better, if fo good, as in England. At prefent it grows plentifully in Cambridgefbire, and in all that large tract of ground between Saffron-Walden and Cambridge. They begin to plough the ground in the beginning of April, and about five weeks after they lay between twenty and thirty loads of dung upon each acre of ground, and the shortest rotten dung is best; and this they plough into the ground. Soon after Midfummer they plough it again, and the time of planting is the latter end of July; the method of which is this, one man with a shovel raises between three and four inches of earth and throws it before him about fix inches; two women follow him with the heads of faffron, and place them in the fartheft edges of the trench that is made at three inches distance from each As foon as the digger has gone once the breadth other. of a ridge he begins again at the other fide, and digging before covers the root laft fet, and makes room for the fetters to place a new row; and thus they go on till a whole ridge is planted. The quantity of roots planted in one acre, is generally about a hundred and twenty. eight bushels. When the leaves are ready to show themfelves above ground, they pare the ground with a fhort hoe, and take off the weeds. Sometime afterwards the faffron flowers appear, which are gathered before as well as after they are full blown, and the most proper time is early in the morning. They carry them home in baskets, spread them on a large table, and pick out the chives with a pretty large part of the ftyle itfelf; but the reft of the flower they throw away as useles. They then dry them on a kiln which is built on a thick plank supported by four short legs, that it may be removed from place to place. It is fet in the lightest part of the house, and they begin by laying five or fix fheets of white paper on a hair cloth, upon which they fpread

40

fpread the wet faffron between two and three inches thick; this they cover with other fheets of paper, and over all they lay a coarfe blanket five or fix times doubled. At first they give the kiln a pretty flrong heat to make the chives sweat. When it has been dried about an hour, they turn the papers and faffron upfide down, covering them as before. The same heat is continued for an hour longer, and then they take off the papers, cover the faffron as before, and lay on a weight. Then they have nothing more to do than to keep a gentle fire, and turn the cakes every half hour till thoroughly dried, which is generally performed in twenty-four hours.

Saffron has a flower confifting of one leaf, which is fhaped like a lilly, and fitulous underneath; the tube widening into fix fegments and refting on a foot stalk ; the pointal rifes out of the bottom of the flower, and is divided into three headed and crefted capillaments ; but the impalement afterwards turns to an oblong triangular fruit, divided into three cells, and is full of roundifh feeds. It has a tuberofe root and long graffy leaves, with a longitudinal white furrow through the middle of The parts of the flower used in medicine are the each. three long ftamina or chives, of a reddifh flame colour. Saffron is endowed with great vertues, for it refreshes the fpirits, and is good against fainting fits and the palpitation of the heart; it ftrengthens the ftomach, helps digestion, cleanses the lungs, and is good in coughs. łt is faid to open obstructions of the viscera, and is good in hysteric diforders. However, the use of it ought to be moderate and feafonable, for when the dofe is too large it produces a heavinefs of the head and a fleepinefs; fome have fallen into an immoderate convultive laughter. which ended in death. A few grains of this is commonly a dole, though fome have prefcribed it from half a fcruple to a fcruple and a half.

Digitized by Google

CHAP.

OF VEGETABLES.

inché , anc tienc

iton iton

itit cu

ित्र ुव

् हो। हो।

jż

iir Si

dà

ж ir ir

Ľ.

ά

ù

2

z

1

ļ,

ž

ť

41

CHAP. V.

Of fruits and seeds.

DACTYLI, Dates, are oblong fruit of a roundifu fhape, of the thickness of a thumb and the length of a finger. They are in the form of acorns, and compoled of a thin dufky yellow skin, with a fat, firm, fweet pulp; and a thick, oblong, hard ftone, furrowed longways. Those are best that are large, fost, yellowish, with few or no wrinkles, and full of pulp. Dates are diffinguished according to their degrees of ripeness, the first is when the end begins to grow ripe, the second when it is ripe to the middle, and the third when it is ripe in every part. With regard to the vertues of Dates, they are faid to ftrengthen the ftomach, ftop loofeneffer, and corroborate the inteffines; they are also good in difeafes of the breaft, and promote the expectoration of grofs humours. The tree that produces them grows in feveral parts of the world, particularly in Arabia, Syria, Ferfia, Africa, as well as in Greece, Italy, and the fouth parts of France; but they do not thrive fo well in thefe last places, and the fruit feldom comes to perfec-Dates are commonly eaten by the inhabitants of tion. Egypt and other parts of Africa, it being their principal food in fome places. They are fometimes uled in pectoral decoctions in fome parts of Europe.

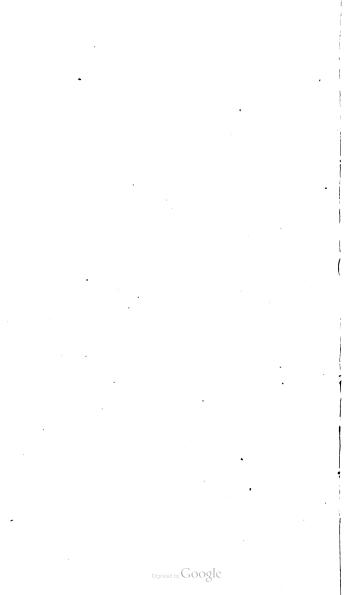
JUJUBÆ, Jujubs, are a fruit which when a little dried in the fun become wrinkled, and are in the fize and fhape of olives; they confift of a blackifh fkin, of a reddifh yellow colour, and a whitifh pulp, which is foft and ipungy, together with an oblong flone fharp on each fide, and wrinkled; they have a fweet vinous tafte. They are faid to be good to allay the irritations of the breaft and lungs, to cure violent coughing proceeding from an acrid phlegm; but they are now out of use with us, and are not fo much as kept in the fhops. SEBESTEN, is a fruit not unlike fmall plumbs, which are blackifh, turbinated, pointed at the top, and wrinkled. They confift of a dufky clammy pulp of a fweetifh tafte, which adheres firmly to the ftone. It is in common use in fome parts of *Europe* to abate the acrimony of the humours, and to appeafe coughs proceeding from a foft phlegm, as well as in hoarfeneffes and heat of urine; they likewise foften and loofen the belly, though in a very fmall degree. They are out of use with us, and consequently are not kept in the fhops.

UVÆ PASSÆ, Raifins, are the ripe fruit of the vine dried in the heat of the fun, and are univerfally known. There are feveral forts, though not all known to us, as the raifins of Dama/cus, which are the largest ; the raifins of Provence, which are of a middle fize; and the raifins of Corinth, with us commonly called currants. Those of Damascus are most in use with us, and are named raifins of the fun. There is also another fort brought from Spain, which are pretty much in use, called Malaga raifins. The vine that produces the larger raifins is like other vines, only the leaves are bigger, and not divided fo much on the edges. The common use and taste is known to every one, and as to their phyfical use they are faid to attenuate gross humours, and to abate their acrimony. Those called jar raisins being floned and eaten frequently, are excellent in obftinate hoarseneffes. They are sometimes used in pec-toral ptisans, and in several decoctions to abate the difagreeable tafte of other medicines.

CARICÆ, dried Figs, are fo well known that they need no defcription. The flowers are always inclosed in the middle of the fruit, confift of a fingle leaf, and are male and female in the fame fruit, the male flowers are feated towards the crown of the fruit, and the female which grow nearer the flak, are fucceeded by fmall hard feeds. The entire fruit is for the most part turbinated and globular, or of an oval fhape; and is flefhy and of a fweet tafte. Frefh figs, as well as those which are dried, ferves among other things for food in fome diftant countries; and when they are ripe they are eafy of digeftion, and perhaps more fo than any common fruit what



Digitized by Google





Page 43. Ωţ. PURSON ALL n, Myrobalans. P Prond se.

Digitized by Google

whatever. Galen informs us that he forfook all forts of fruits when he came to be twenty-eight years of age except ripe figs and grapes. They are moderately nourifhing, foften the belly, and are good in diforders of the lungs, kidnies, and bladder; however the too frequent use of them is hurtful, becaufe they generate wind. When they are dried they have the fame qualities, but are better for medical purpoles. They are fometimes used in pectoral decoctions, and fix figs are enough for every plat of liquor. Externally they are fometimes applied in the form of a cataplafm, to difculs or ripen fwellings; being pounded with yeaft and falt they bring peftilential buboes to a fuppuration in a fhort time. Some roaft them, and apply them to fwellings of the gums, and others to eafe the pains of the piles.

MYROBALANI, Myrobalans, are of feveral forts, but the yellow are principally used in medicine, and are a dried fruit, of an oblong roundifh turbinated shape, and an inch and a quarter in length, and three quarters of an inch in breadth; they are blunt at both ends, and of a yellowish or citrine colour. Thy are marked generally with five larger ftreaks, and as mapy that are fmall between them ; under the glutinous and as it were gummous bark, or rind, half a quarter of an inch thick, which is bitter, austere, and subacrid, there is a stone that is of a lighter colour, that is angular and oblong, with feveral pits or cavities; the kernel is whitish, and covered with an exceeding thin dark yellow membrane. The rind or pulp, for they are both together, is the only part in use. They proceed from a tree like that of wild plumbs, whose leaves are fet by pairs like those of the ash tree.

The CHEBULE MYROBALANS, are the largeft, and are oblong, angular, and faid to purge phlegm. They are like the former, but bigger, and more turbinated, and have likewife five high ribs made by the ftreaks or furrows; but they are of a darker colour, and more inclinable to brown; within they are of a blackifh red, but tafte as the former, though the pulp is thicker, and the kernel is fat, oblong, and of the fame tafte. They grow on a tree not unlike a peach tree.

Digitized by Google

43

Indian or black MYROBALANS, are lefs than the yellow, and are marked with nine oblong lines; they, are rather wrinkled than fireaked, and are blunt at both ends. They are black on the outfide, and within they are of a finning black like pitch. The tafte is fubacrid, accrb, bitterifh, and a little acrid; they adhere to the teeth and provoke fpittle. The tree grows to the fize of a wild plumb-tree that has leaves like those of willows.

The BELLIRIC MYROBALANS, are a roundifufruit, and are of the colour and fhape of a nutmeg, but a little more yellow and almost an inch in length; the rind is bitter, austere, and altringent; under which lies a stone of a lighter colour, containing a kernel like that of a hazel nut.

EMBLIC MYROBALANS, are a dried fruit of a round shape, but marked with fix angles, and of a blackish ash colour. They are half an inch in diameter, and under the rind, which when ripe open in fix places, there is a white lightifh ftone of the fize of a hazel nut divided into three cells. Generally speaking there is nothing but the dried fegments of the pulp or rind brought over, which are of a blackish colour, and of a tartiff auflere tafle. They grow on a tree higher than any of the former, but we have no accurate defcription thereof, nor indeed of any of the former. The Indians make use of these myrobalans for dressing leather and making ink; as all when pickled they eat them to procure an appetite; they are all brought from the East-Indies, and particularly from Bengal, Cambay, and the coafts of Malabar. They have been looked upon to have a purgative faculty, without producing the leaft weakneffes; and by their aftringency they ftrengthen the bowels. The dofe is from an ounce to an ounce and a half, but the prefent practice has laid them afide. Among the yellow fort, there is another brought over called the Bengal bean, which fome look upon to be this fruit not come to perfection ; and others the nidus of fome infect. It is a denfe, wrinkled, round, compreffed substance, with a cavity like a navel, and about an inch broad, brownish without, and blackish within; it has a flyptic affringent tafte but no fmell. It is a

Digitized by Google

great

Digitized by Google



	Co	000
ed by	GO	ogie

great aftringent, and might be of good use against. hæmorrhages, particularly spitting of blood, and likewise proper to consolidate ruptures.

COLOCYNTHIS, Coloquintida, or bitter apple, is about the fize of an orange, of a roundifh fhape, and the pulp when dried is fpungy, and as it were, full of cells; it confits of fmall membranaceous leaves, which are dry, white, and exceeding light when brought to us. It is of a very bitter, acrid, naufcous talte, and it has fmall, flat, hard, white or reddifh feeds, of the fize of those of a cucumber, but rounder and harder; it is brought from Aleppo.

From eight ounces of the pulp of Coloquintida, may be obtained three ounces of a gummous extract; and from the fame quantity of pulp in spirit of wine, half an ounce of a refinous extract. The refinous extract purges very little, but it caufes intolerable gripes; but the gummy extract is more mild and purgative. It is now in use as a medicine and is a most strong violent purge ; and therefore only proper to be used in defperate cales, and in obstinate inveterate dileases. It has fometimes very dangerous effects, for it greatly injures the stomach, viscera, nerves, and even the whole body ; it also corrodes the inteffines, produces intolerable gripes, and fometimes occasions hæmorrhages in the bowels. There have been various methods used to correct it, but very improperly, because it need only be made use of when violent purges are required. The best way of using it is to extend and divide the particles, and then it will not have such dangerous effects; befides, plactitioners should be very careful in their doses, and then there will not be fo much reafon to complain of it. It is often mixed with other purgatives, to render the operation more quick, and particularly with aloes and scammony. The dose of it, when given alone, is from five grains to twenty, when reduced to a fine powder. It has fuch a purging faculty, that when laid to the navel with oxes gall it not only purges but kills worms.

CASSIA FISTULARIS, the pudding pipe tree, is an exotic fruit contained in pods fometimes half a yard long, and about an inch in diameter; it confifts of a woody

46

woody shell, of a dark brown colour, but though it is it hard it is thin. It is divided into feveral cells with in partitions transversely placed, and parallel to each other ; in the pulp is foft, black, fweetifb, and of the confiftence in of honey; and contains oblong, roundifh, flattifh feeds, # that are hard, fhining, and of a dufky yellow. Those m pods are best that are fresh, full, and will not rattle is when shaken. The pulp is only in use which is taken it from the pods, and is passed through a fieve. It is looked upon as a mild, gentle, harmless purge, agreeing a with all fexes and ages. The tree from whence it pro- a ceeds has been planted in the West-Indies, but it did not grow naturally there, nor does it fucceed very well; in for it has a thicker shell, and the pulp is acrid and a nauseous. As a cathartic it must be given in a large z dofe, but a small one is sufficient to keep the body open. Some have complained of its bad effects, and fay it produces wind in the ftemach and inteffines; but by mixing it with cream of tartar, or boiling with tamarinds, b_{i} this may be prevented. It is very efficacious in taking a away the painful tenfion of the abdomen, which fometimes fucceeds the injudicious use of antimonials. The pulp of caffia may be given to new born infants to purge : off the meconium, by diffolving two drams of it in veal broth or whey, and giving it by fpoonfuls for eight or twelve hours. The common dofe to adults is from two drams to an ounce and a half, either alone or mixed with other purgative medicines.

ſ TAMARINDI, Tamarinds, are a fruit with a thick clammy pulp, and they are brought to us in maffes of k a blackifh colour, with an acrid tafte, and mixed with the rinds of the pods as well as membranes, nerves, and ķ filaments; as also with the hard seeds or stones. That 1 pulp is beft that is clammy, of a blackish red, acrid and moift. It is to be cleanfed from the membranes. filaments, and feeds, before it is used. It is brought // from Egypt, and the Eaft and West-Indies.

1

The flower+ confifts of feveral leaves, which are fo placed as to refemble in fome fense one that is papilionaceous; but they expand circularly, and from the many leaved flower cup there arises a pointal, which afterwards becomes a flat pod, containing many flat angular feeds.

OF VEGETABLES.

47

feeds, furrounded with an acrid blackish pulp. The pods of the tamarind-tree in the Eafl-Indies contain fix or feven feeds in each ; whereas those of the West-Indies have feldom more than three or four. They may be r propagated in *England*, by fowing the feeds on a hot bed in the fpring, and when the plants are come up they fhould each be fet in a separate small pot, filled with light rich earth and plunged into a hot bed of tanners bark to bring them forward, observing to water and a fhade them till they have taken root. They must be a conftantly kept in the bark flove both winter and fummer. When rightly managed they will grow to the height of three feet in one summer from the seed. Tamarinds, befides their purging quality, temperate the acrimony of the humours, abate the heat of the bile and blood, quench thirst, and are good in acute burning fevers. They ferve to correct the faults of violent pur-gatives, and they quicken those that are fluggish. The dole is from one dram to an ounce, and in decoction from one dram to three ounces.

VANILLA, Vanells, is an narrow pod almost round. though a little flat, about fix inches long and a quarter of an inch broad; it is wrinkled, reddifh, foft, oily. flat, and yet brittle; without it is as it were coriaceous. and within the pulp is reddifh and full of a vaft numa ber of exceeding small, black, shining feeds, and of a fubacrid, fat, aromatic tafte, with a fmell like that of balfam of Peru. It is brought from Peru and Mexico. The tree bears an anomalous flower, confifting of fix leaves, five of which are placed in a circular order, and the other in the middle is concave; the impalement afterwards becomes an horned, foft, fleshy fruit. filled with very fmall leeds. It is much used by the Spaniards to fcent their chocolate, and it grows plentifully in the t bay of Campeachy, where it is usually fold to the English for three pence each pod. There are three kinds of this fruit, one of which has a thicker and fhorter pod, and is called by the Spaniards pompona or bowa; the fecund has a more flender and longer pod, which is the right fort; but the third is the smallest in every fense, and is r called the fimarona or bastard vanilla. This fruit is gathered from the latter end of September to the end of Tune, . مثاني

June, and takes from fifteen to twenty days in drying, that the fuperfluous or rather noxious moifture may be exhaled. This fruit is faid to ftrengthen and warm the ftomach, to promote digeftion, to difcufs wind, to help the cold diforders of the brain, and to ftrengthen the memory; but it is feldom used in physic. Some have looked upon it as a fpecific in melancholy diforders, and the dole is from twelve grains to half a dram infused or decoded in fome convenient liquor.

CARDEMOMUM, Cardomum, is of feveral kinds, of all which fome account will be given. The feeds of the greater Cardomum are contained in a dried oblong fruit, about the fize of a fig and much of the fame fhape, with a broad circular navel at the top, divided in the middle into three parts, and including in a thin, membranaccous, tough, fibrous, wrinkled, brown or reddifh colour, a great number of feeds in three cells, which are uneven, fhining, reddifh, and lodged in a fort of membranes that lye between them.

MELLGUETTA, or MALAGUETA, by fome called *Guiney* pepper, is a finining angular feed lefs than pepper, with a reddifh-or bay furface, but white within, and of an acrid, hot, burning tafte, like pepper or ginger; and much of the fame fmell. It is brought from *Africa*, the island of *Madagafcar*, and the *Eafl* Indies.

The middle fized CARDOMUM of Matthiolus, or the greater Cardonum of Bontius, is an oblong fruit, of the length of an inch or an inch and a halt, but flender, triangular, ftreaked and blunt at the top; it is of an aft colour, not eafily broken, and divided into three cells that contain a great number of feeds wrapped up in thin white membranes. They are oblong, angular, thin, and on one fide divided by a fort of fmall pipe, and there are feveral transverse lines run acrofs it; they are of a reddifth white colour, with an acrid aromatic tafle. This fort is very common.

The leffer CARDOMUM of Matthiolus, is the Cardomum of the ancient Greeks, and is a dried fruit with a fhort membranaceous pod, not half an inch in length; and of a triangular fhape, but fharpeft at the pedicle, and blunt at the extremity; it of a reddift colour, ftreaked, and has a much thinner fhell than the middle fized

OF VEGETABLES.

ī,

11. 2

2

2

:-

.

Ë,

.

•

fized Cardomum. When it is fully ripe the three corners gape, and discover three cells, containing a double row of angular, wrinkled, reddifh yellow feeds, but white within, and of an acrid, bitterifh, aromatic taffe, fomewhat like camphire. It is brought from the Eaft-Indies. In the places where they all grow they are used as fpices, and they are faid to help digeftion, to ftrengthen the stomach and brain, and to promote urine. The dole is from ten grains to a fcruple in fubftance, and in decoction to half an ounce. They are much used in the prefent practice, that is the greater fort, and are a very warm grateful spice.

AMOMUM VERUM, the true Amamum, is brought from the East-Indies, is a dried fruit growing in finall bunches, confifting of ten or twelve berries or membranaceous bladders, which are membranaceous, fibrous, and brittle, lying clofe to each other without pedicles. The bunch is supported by a woody sprig, which is fibrous, round, and the length of a man's thumb. It is adorned with leaves as well as a row of fmall fcales where there are no berries, and there are fix long leaves furrounding each berry or grape like a flower cup. Three of the longest leaves are half an inch in length, but the other three are smaller, and scarce show themfelves above the grapes. The thickness and shape of the berries are like that of a middle fized grape, and each contains three rows of feeds, feparated from each. other by a thin membrane, and each row confifts of feveral angular feeds, wrapped up in the fame thin membrane, and lying to closely together that they appear to be only three long feeds. The whole bunches are of a wood colour, but paler in fome than others. The feeds are folid but brittle, and the fmell is fragrant, not much unlike that of lavender, but fweeter; however, when they are taken out of their shells the smell is more acrimonious, and they have an acrid tafte. They are faid to contain many vertues, but at prefent are only used in venice treacle.

CUBEBÆ, Cubebs, of the shops, are a fruit, or round dried grains like pepper, and fometimes bigger, with a long flender pedicle, and a wrinkled darkifh afh coloured

Vol. VI.

D

49

ed shell, containing a single feed of a roundish shape, blackish without, and white within, with a sweet, acrid, aromatic tasse, but not so hot as pepper. They are faid to be good in diseases of the head, to create an appetite, to strengthen the stomach, and to discuss wind; some also commend them in hoarseness. The dose is from three grains to a scruple, and infused in wine from a dram to two drams.

PIPER, Pepper, is of feveral kinds, as black pepper, white pepper, long tepper, and Jamaica pepper.

PIPER NIGRUM, black pepper, is a dried fruit or grain, of the fize of a small pea, with a wrinkled, brown or black rind, which taken off, a hardish compact substance appears of a yellowish green colour, but white within ; the tafte is acrid and hot, and feems as it were to bite the tongue. It grows on a fhrub, with a Imall, fibrous, tough, blackish root, which sends out many shoots that are tough, flexible, green, and wocdy, which lye on the ground like hops, unlefs they are propped up; there are feveral knees, or knots, which when they lye upon the ground will fend out fhoots; and at each knot there are leaves alternately disposed. and opposite to each other, that are roundish, and two or three inches broad, and four long, terminating in points; the texture is thick and firm, and on the upper part they are of a fhining dufky green; but beneath they are of a light green, and have fhort, thick, green. The flowers grow in bunches, and they are pedicles. monopetalous, but divided into three parts at the edges," to which fucceed the grains, which are ten, twenty, or thirty in number upon one pedicle, and they are green at first, but red when ripe; but in drying they grow black and wrinkled. When the rind of black pepper is: taken off it becomes white, and is the only fort brought to us by the name of white pepper ; though authors give : us an account of one which is naturally white; however there is faid to be no difference between the plants that produce them, except in the colour of the pepper. They' are now very rare, and only to be found in certain places of Malabar and Malacca; whereas black pepper'

• · · · · · - ,` ۰ -Digitized by Google





Page 51 Long Depper. Proud so. Digitized by Google

Page 50. Black Depper. Digitized by GOOgle Prou Loo.

Digitized by Google

OF VEGETABLES.

is met with in Java, Sumatra, and on all the coafts of Malabar.

Long PEPPER, is an unripe dried fruit, about an inch or an inch and a half long. It is oblong, round, cylindraceous, and as it were ftreaked with fpiral lines, with tubercles placed in the form of a net; within it is divided into feveral fmall cells, containing each a fmall round feed, fearcely the twelfth of an inch in breadth, blackifh without, but whitifh within, with an acrid, hot, bitterifh tafte.

Black pepper is of more common and general ule than the reft, and is every where employed as a fpice, to create an appetite and help digestion. Long pepper is commonly pickled, and is in high efteem among fome. It is very good in cold phlegmatic conftitutions. Thev have all much the fame vertues, for they heat, dry, at- * tenuate, refolve, open and strengthen relaxed fibres of the viscera; and by exciting an oscillation therein, refresh the spirits, divide gross humours, and encrease the circulation of the blood. Some cry it up in intermitting fevers, advising seven, eight, or nine corns swallowed whole, fome hours before the fit; but this remedy does not agree with all; and if it be taken near the fit, it rather increases than abates the fever; and indeed in all hot difeafes it is altogether improper.

PIMENTA, Jamaica pepper, by fome called all fpice, because it has somewhat of the taste of every one. It is a dried unripe fruit, of a roundish shape, and generally somewhat larger than black pepper; the skin is brown and wrinkled, with a navel or corolla on the top, which is divided into four parts; and it contains two black kernels covered with a greenish black membrane. The taste is a little acrid, aromatic, and somewhat like that of cloves. It grows in several parts of the West-Indies, and is gathered while green, and dried in the fun for many days, but they are taken in night and morning to avoid the dew. It is used as a spice; strengthens the stomach, helps digestion, and refreshes the spirits.

CARYOPHYLLI AROMATICI, Cloves, are a dried unripe fruit, formewhat in the fhape of a nail, and a little quadrangular, wrinkled, and of a blackifh

> D 2 . Digitized by Google

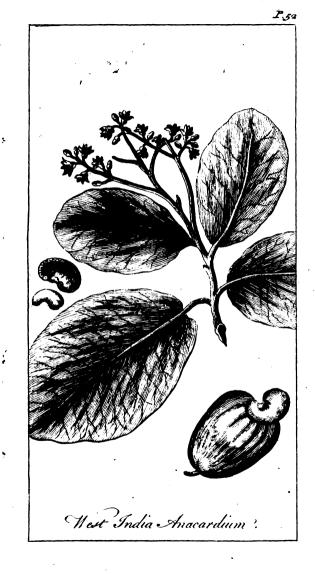
red.

ζľ

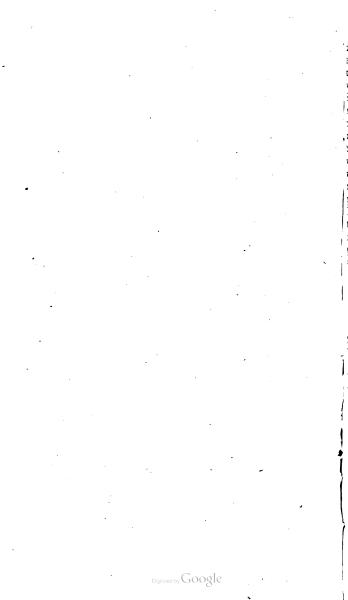
red. On the top there is a head, much about the magnitude of a very small pea, which is composed of fcales wrapped one into another, and round about it there are four fmall leaves, not unlike a flower cup, and disposed like a star, between which, in a cavity, there is a fmall quadrangular ftyle of the fame colour. The tafte is acrid, bitterifh, and agreeable, with a most fragrant fmell. Cloves are the flower cups and embryoes of the fruit before the flowers are expanded, and are gathered from the month of Odober to February. When fresh they are of a dark red, for they come blackish by being dried in the fun and by fmoke; for they are placed for fome days in baskets over imoke, and then. are dried in the fun. They grow in feveral islands of the East-Indies, which are all now in the hands of the Dutch. While they are fresh they yield an oil by expreffion, which is thick, reddifh, and fragrant ; but the effential oil is gained by diffillation, and is at first yellow, afterwards reddifh, and finks to the bottom of water. Its principal use is as a spice, though it is faid to be good against all cold diforders of the brain, fwim-. ming of the head, and weakness of fight; it is also good for a cold ftomach, and hysterical diforders. The dole in substance is from three grains to a scruple, but in infusion from thirty grains to two drams.

ANACARDIUM, the Malacca Bean-tree, produces fruit, or rather a kernel, in the fhape of a bird's heart, and is blackifh, fhining, and about an inch long, terminating in an obtufe point, with a wrinkled pedicle at the bafe, including under a double cover a whitifh kernel of a fweetifh tafte like almonds or chefnuts. Those are beft that are frefh, very black, heavy, with a white kernel, and plenty of a fluid liquot. Most phyficians agree that it is not fit for internal ufe, becaufe fome have run mad that have eat it. Some have given it in cold difeafes to excite a fort of a fever; but it is the wifeft way to abstain entirely from its ufe.

ACAJOUS, or CAJOUS, by fome called the occidental anacardium, and by the French the must of Acagous, but by the English the cashew-nut, is a fruit, or rather a nut, of the shape of a kidney, and of the fize



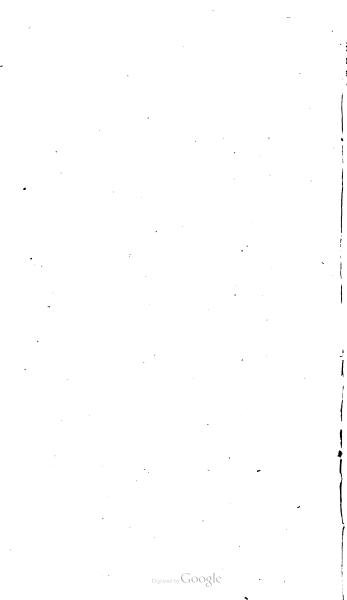
Digitized by Google



fize of a chefnut ; it is covered with an ash-coloured, or brown skin, about a twelfth part of an inch thick, hard and tough; it feems to confift of a double membrane with a fungous fubstance, which in its cells contains a fort of oily fluid of the confistence of honey; it is of a reddifh colour, extremely acrid, bitter, and biting; for if a drop of it falls on the skin, it seems to burn it like a cauftic; and if any one through ignorance should bite the nut, the lips and tongue are immediately affected with a very sharp pain. Under this is the kernel, which is covered with another brown fkin of the thicknefs of paper, whole fubftance is extremely white, compact, oily, and of a more agreeable tafte than almonds. The tree that produces this nut is one of the best fruittrees in all America, fome of which are of the fize of flandard apricot-trees; and fometimes are pretty regular, but generally the branches are crooked, knotty, and are strangely contorted among each other. The wood is greyish, pretty strong, tough, and heavy; the bark is thin, fmooth, and of a dirty white, a little wariegated with brown specks and lines. The leaf is large, firm, well fed, pretty thick, and more round at the top than at the bottom. The flowers are fmall, and grow in tufts, and when they are opened they are divided into five leaves, which form a flower cup of imall ftamina of a yellow golden colour, that furround a pittil of the fame colour but longer; the leaves that compose the flower are whitish at first, and afterwards turn to a purple mixed with white lines'; but they are of fmall duration, for the piftil foon changes to a fruit. The tree, either spontaneously or cut, yields plenty of gum, that is reddifh, transparent, and solid; it will diffolve in water like gum-arabic, and supplies the place of glew; when the juice is expressed from the fruit and fermented, it becomes a fort of heady wine, which greatly promotes urine, and the fpirit diftilled from it is very good. The thick fluid abovementioned tinges linnen of a rufty iron colour, which can hardly be got Some get an oil out of it which will flain linnen out. with a black colour that can never be got out, and if any wood he imeared with it, it preferves it from rot-

> D 3 Digitized by Google

ting



OF VEGETABLES.

fize of a chefnut; it is covered with an ash-coloured. or brown skin, about a twelfth part of an inch thick, hard and tough; it feems to confift of a double membrane with a fungous fubstance, which in its cells contains a fort of oily fluid of the confistence of honey; it is of a reddifh colour, extremely acrid, bitter, and biting; for if a drop of it falls on the skin, it seems to burn it like a cauftic; and if any one through ignorance should bite the nut, the lips and tongue are immediately affected with a very sharp pain. Under this is the kernel, which is covered with another brown fkin of the thicknefs of paper, whole fubstance is extremely white, compact, oily, and of a more agreeable tafte than almonds. The tree that produces this nut is one of the best fruittrees in all America, fome of which are of the fize of flandard apricot-trees; and fometimes are pretty regular, but generally the branches are crooked, knotty, and are strangely contorted among each other. The wood is greyish, pretty strong, tough, and heavy; the bark is thin, fmooth, and of a dirty white, a little wariegated with brown fpecks and lines. The leaf is large, firm, well fed, pretty thick, and more round at the top than at the bottom. The flowers are fmall, and grow in tufts, and when they are opened they are divided into five leaves, which form a flower cup of fmall ftamina of a yellow golden colour, that furround a piftil of the fame colour but longer; the leaves that compose the flower are whitish at first, and afterwards turn to a purple mixed with white lines; but they are of fmall duration, for the piftil foon changes to a fruit. The tree, either fpontaneoufly or cut, yields plenty of gum, that is reddifh, transparent, and folid; it will diffolve in water like gum-arabic, and fupplies the place of glew; when the juice is expressed from the fruit and fermented, it becomes a fort of heady wine, which greatly promotes urine, and the fpirit diftilled from it is very good. The thick fluid abovementioned tinges linnen of a rufty iron colour, which can hardly be got Some get an oil out of it which will flain linnen out. with a black colour that can never be got out, and if any wood be fineared with it, it preferves it from rot-D 3

ting,

₹4

• ting. The oily fluid first taken notice of is used for taking off warts and corns, when mixed with the black wax of Guadaloupe, or warm water. The ladies make ule of it to take off freckles, for it foon deflroys the cuticle which is fucceeded with one that is fair and of a good colour. When the kernels are put into water the fkin will readily come off, and then they are fit to eat ; but when they are dry they open it a little with a knife. and then lay them over the fire, by which means the tkin may be eafily taken off. They are in very high effeem among the inhabitants of the Weft-Indies, not only to eat by themselves, but to make mackeroons and marchpains; befides which they give to rofa folis and other liquors a very fine flavour. They may be tranfported to any diftant country, and will continue good for many years.

BEN, is the Balanus Myrepfica of the shops, and is a nut of the fize of a hazle-nut, and is of different shapes, for it is fometimes oblong, roundifh, or of a triangular shape; it is covered with a whitish shell, which is pretty thek and brittle, and contains a kernel covered with a fungous skin as white as snow, and of the same confistence as an almond; it is fat and of a bitterish taste. Eight pounds of the kernels will yield thirty ounces of a yellow limpid oil by expression. This nut was formerly used inwardly upon feveral accounts; but it has been fince found to hurt the stomach, to disturb the viscera, and to procure cold fweats; but fome fiill make use of. the oil against difeases of the skin. It is of great use among the perfumers for extracting the fine fmell out of flowers, because it will never grow rancid, and has no fmell of its own.

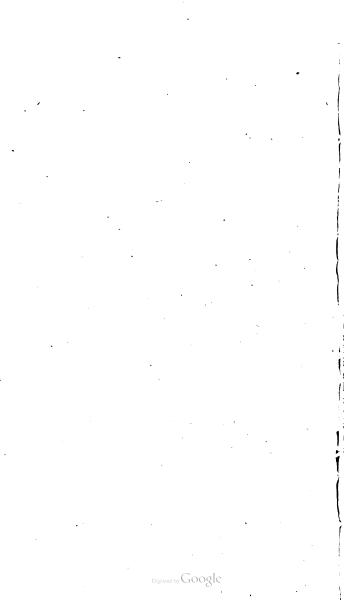
There is another nut of this name brought from the Eaft ladies, particularly Ceylon, and is called Moringa; befides which the tree grows in the fandy places of Malabar and elfewhere. It is also cultivated in gardens for the fake of the fruit, which is much in requeft. Of the leaves, bark, and of the root, and fruit, they prepare pills, which are faid to have an antifpafmodic quality. The juice of the bark mixed with water and garlic, and drank, is good againft pains of the joints proceeding from cold;

Digitized by Google

the



0		T
oy G	009	5le



the juice of the root with garlic and pepper is faid to be excellent against cramps and flitches, if the temples are anointed therewith. The juice of the green tree is used against all pains of the joints and head proceeding from the venereal difease.

ì

CACAO, or COCAO, the chocolate-nut, are fomewhat like pistachio-nuts, but larger, they being oblong. roundifh, and of the fize of olives ; and they are covered with a thin, hard, brittle, blackifh fhell, which being taken off there remains a firm, denfe, dry, flattish kernel, of a dufky yellow on the outfide, and reddifh, or of a bay colour within. They confift of feveral pieces clofely united together, and have a little bitterish and flightly acerb, but not a difagreeable tafte. Some take notice of four forts of the trees, which grow fpontaneoufly, and without any cultivation, in many parts of America between the tropics; particularly near the river of the Amazons there are whole forests of them. The wild cocoa-tree is very large, and thick of branches; but those that are planted are cultivated in such a manner that they never exceed twelve or fifteen feet in heighth, not only that the fruit may be gathered more eafily, but that they may not be too much exposed to the wind. The leaf is generally eight or nine inches long, and fometimes more, but feldom lefs; and the breadth is one third of the length. It is pointed at both ends, and has a ftrong flalk two or three inches long. It is of a lively green above, but deeper beneath, and the edges, from the place where it is broadest to the point, is of a very fine flesh colour. The fibres or nerves are like those of the cherry tree. This tree is never entirely deprived of leaves, for when fome drop off there are others ready to fucceed them. It bears fruit twice a a year, as well as most of the trees in these parts of America, but more properly speaking, it is never with. out flowers or fruit; however the produce is most plentiful near both the folftices, but that near Christmas is always the best. The flower is small, and it has fix leaves when opened, which form a fmall cup, in the center of which is a longifh button, furrounded with five filaments and five flamina. The leaves of the flower are of a pale flefh

D 4

flefh colour variegated with red fpots and fpecks; the filaments are of a reddifh purple, and the flamina are of a fine filver colour : but the button is of a duller white. and it is this that produces the fruit. The flowers do not proceed from the branches as in the European trees, but from the root up to one third part of the five large branches. The fruit that succeed these slowers refemble cucumbers, and are pointed at the end; but on the fides there are furrows like those on melons, among which are fmall unequal tubercles, and these contain the nuts before described ; besides which they contain a substance, or pulp, of a palish colour, which is is very light and delicate, and of the fame tafte as pomegranates. Within this pulp are the nuts, of which there are twentyfive in number in each pod. The trees are in greatest perfection when they are ten or twelve years old, not because they bear more, but the largest fruit. Labat denies that there are feveral kinds of this tree, for he affirms upon his own knowledge there is no difference except in the fize of the fruit. The chief use of these nuts is for making chocolate, which is every where very well known, and is faid to have reftorative qualities, for which reafon it is good in confumptions, prepared with milk, for then it abates the acrimony of the humours.

PISTACHIA, Piflachio-nuts, are of the fize and fhape of hazle-nuts, only they are a little angular, and higher on one fide than the other. They are covered with a double fhell, the outermost of which is membranaceous, dry, thin, brittle, and reddifh when ripe; but the other is woody, brittle, finooth, and white, under which is a kernel of a pale greenifh colour, and of an oily, bitterifh, fweetifh tafte, and agreeable to the palate; it is covered with a red fkin. It grows in Perfia, Arabia. Syria, and the East-Indies; and is cultivated in Italy, Sicily, and the fouthern parts of France. They yield good nourifhment, and are faid to be reflorative, causing those that are fallen away to regain their flefh very foon. They have been used to make emultions in the fame manner as almonds.

PINEI

Ì

PINEI NUCLEI, Pine-apple-nuts, are oblong, round, white, fat, fweet, and covered with a reddifh coat ; and they are included in a thick hard fhell. These nuts are contained in the pine-apple, or cones, between their hard and woody scales. They contain a great deal of oil, which may be gained by expression ; they are faid to be very nourifning, but they are not eafily digefted. Some account them good for confumptive patients, because they deftroy the acrimony of the humours ; they are also good in heat of urine, and in ulcers of the kidnies and bladder.

1

۵

2

1

r i

İ.

i

£

;

is Jene

i

RICINI NUCLEI, Mexico feeds, are oblong, oval, gibbous on one fide, and flat on the other, and with a fort of a small head, or navel, placed on the top; they are covered with a thin brittle shell, variegated with white and black fpots, elegantly mixed, under which is a firm fleshy pulp of a white colour, and not unlike an almond; it is divided into two parts, and has a fatty, acrid, fweetish, naufeous taste. There are three feeds in a fingle fruit, which is triangular, tricapfular, and a little rough or echinated. They contain plenty of a fweet temperate oil; befides which there is one of another fort, which is fo cauftic that it burns the mouth, and on this the cathartic faculty depends. They are of no use in medicine, because the eating of them has been attended with great danger. Dioscorides affirms, that the oil being drank brings off water by ftools, and kills worms; but Dr. Stubbs in the philosophical transactions affures us it will not purge at all, though a perfon should fwallow a fpoonful.

RICINUS AMERICANUS MAJOR SEMINE NIGRO, the American Ricinus with a black feed, whofe fruit are called Barbadoes nuts, have a faculty of purging upwards and downwards, for if three or four of them be eaten they work fo violently as to put a perfon in danger of his life. In Barbadoes they are called physic nuts, and they are recommended by Pi/o in inveterate obstructions of the viscera ; he says four or five of them are a dole, but then he would have both the inner and outer skins taken off, after which they are to be roasted, and steeped in wine. The inhabitants of Brafil, and other

Ðς

other parts of *America*, express an oil therefrom, which they use in their lamps. Some affirm it is excellent in all diseases proceeding from cold humours, and therefore they use it in all dropsies, by anointing the belly therewith, and give a few drops in wine. If contracted limbs are anointed therewith, it does excellent fervice by fostening the tendons. If the bellies of children are anointed therewith it destroys worms, especially if a drop or two be given at the fame time in milk.

RICINUS AMERICANUS TENUITER DIVISO FOLIO, produces a fruit called *parging nuts*, from their purging quality, which is not lefs than any of the former, for one nut eaten with a little butter, is fufficient for that purpofe. If ten or twelve leaves of the tree are mixed with a falad they are faid to purge gently without gripes, and are greatly commended against the jaundice.

RICINUS ARBOR INDICA COSTICA PUR-GANS, has various other names, but the fruit, as the former, are called purging nuts. Under a thin shell there is a fat, white, oily kernel, of an acrid burning tafte. The tree is cultivated on the coaft of Malabar. and other parts of the East-Indies. While they are fresh they purge off ferous humours upwards and downwards, and leave a painful inflammation in the anus; but when they are dry they are a gentle cathartic, and given in a fmall dofe promote fweat. They are accounted a specific in dropfies, and other chronical difeases. The dole of the old is from a fcruple to half a dram in fubflance, but in infufion or decoction half an ounce. If it be given to promote fweat, then ten grains is fufficient in substance, and two drams in decoction. Some fay four or five grains are fufficient for a purge, and that three will produce five ftools. The expressed oil is used to anoint the navel when the body is too coffive.

COFFEE, is a hard feed in an oval form, and fomewhat above a third of an inch long, and a quarter of an inch bread; one fide is convex and the other flat, marked with a remarkable furrow. It is yellowifh or of an afh coloured palifh green; it has a farinaceous tafte, and before it is roafted it has not much fmell.

:

The cup of the flower confifts of one leaf, that is divided at the top into five fegments, and the flower likewife confitts of one leaf in the fhape of a funnel, and divided into five fegments ; the flowers are fucceeded by berries, which fplit in the middle. The coffee tree is propagated. by feeds, which should be fown foon after they are gathered, otherwife they will not grow, which is the reason that all other countries except Arabia, have been fo long without it. It was necessary to get trees that were growing, which has been at length done, and there are now many of them as well in Europe as in America ; but they fucceed best in the Caribee islands; however the coffee is not accounted fo good as the Arabian. The berries are commonly ripe with us in April, at which time they should be fown in pots of fresh light earth, covering them about half an inch thick with the fame; and then the pots should be plunged into a moderate hot bed of tanner's bark, observing to refresh them often with water ; as also to raise the glass in the heat of the day to admit fresh air; and in very hot weather it will be proper to fhade the glaffes with mats.

The bloffoms, or flowers, are white, and fhoot out just where the stalks of the leaves join the branches; and when the bloffoms fall off there remains a fmall fruit, which is green at first, but as it ripens becomes as red as a cherry, and not unlike one; and it is very good to eat, being strengthening and refreshing; under the flesh of the fruit instead of a stone there is the berry, covered with a fine thin fkin. When the fruit has been dried by the fun, the pulp becomes a shell of a deep brown colour, under which there is a thick brown liquor extremely bitter. Some direct the taking off the pulp of the berries before they are fowed, but this is a millake, for they will come up fooner when it is left on, and produce stronger plants. There are two feeds in each berry which feldom fail to grow; but when the plants are young they may be eafily parted and fet in different pots; that is, when they are about an inch and a half high. In the winter feason they should be placed in a bark stove, kept up to the heat proper for pine apples. In Arabia they bear ripe fruit twice or thrice in a year. The

Digitized by Google

The use of coffee is now well known every where, and the liquor made with it is generally supposed to be good in weaknesses of the stomach, in want of appetite, and in the flatulent cholic. It prevents fleepiness, and is good in fleepy disafes, for which reason it refress the brain and the animal spirits. It is good for those that are fat, and abound with thick gross humours; but with those that are lean and have hot constitutions it does not fo well agree, nor yet with those of melancholy dispofitions. When mixed with cream it is very proper for fuch as are emaciated.

NUX MOSCHATA, or NUX MYRISTICA, the Nutmeg, is very firm and compact, and yet is very eafily pounded in a mortar. It is wrinkled without, and fomewhat of an ash colour; but within it is variegated with a whitish yellow, and a bay colour, running in veins without any regularity. The trees that bear nutmegs are now entirely in possession of the Dutch, as are all the fpice islands; they are like pear-trees, and have an afh coloured bark, with a fpungy wood. The flowers, or bloffoms, are yellowish, with five leaves, not unlike those of cherries; to these succeed the fruit, hanging to a long pedicle. It is fomewhat like a walnut, and the kernel, or nutmeg, is covered with three coats, the first of which is fleshy, soft, and juicy, about as thick as a man's finger, but villous and red, and variegated with yellow, gold colour, and purple fpots, like a peach. When it is ripe it gapes spontaneously, and is of an austere taste. Under this there is another reticular covering, or rather divided into feveral parts, which is of an oily clammy confistence, and as it were cartilaginous, but thin, and of an agreeable aromatic fmell, and of an acrid aromatic tafte, with a fort of bitternefs. It is of a faffron colour, and is what we call mace. Between the clefts of this there is a third covering, which is a hard, woody, thin shell, of a dusky reddiff colour, and brittle; and in this the nutmeg is contained. It is foft at first, but grows dry and hard in time. The take and fmell is too well known to need a description. Nutmegs abound with an effential oil, which may be gained by diffillation, and every pound will yield an

Digitized by Google

ounce :

ounce; befides which there is another oil which will fwim on the furface of the water, and is thick like fuet, but has little vertue. Every fixteen ounces of nutmegs will yield three ounces and two drams of oil by exprefion, which is of the confiftence of fuet, and has both the fmell and tafte of the nutmeg. The principal use of nutmegs is as a fpice, and they are good to promote digeftion, to thop vomitting, to difcufs wind, and to ease pains of the cholic. However the immoderate use is bad, for it will affect the head, and produce fleepy difeases, as they have found by experience in the *East-Indies*. When toafted they have a binding quality, and are good in fluxes of the belly, and are given to the quantity of a dram.

MACIS, *Mace*, is a membranaceous, thick, and as it were cartilaginous fubftance, lying like a net on the woody fhell of the nutmeg. It is at first of a beautiful reddifh colour; but after it has been exposed to the air it turns a little yellowish. It has an agreeable aromatic taste, with fomewhat of a bitternefs; and when quite fresh it will yield a fort of an oil by expression. Mace has the fame vertues as nutmegs, but is less binding. It affects the head as well as the former, for Ca/par*Hoffman* mentions a young woman who took too much of it, and fell into a delirium for fome hours.

NUX VOMICA, the Vomic nut, is round, flat, depreffed, about an inch broad, and a quarter of an inch thick ; it is of a hard horny fubstance, of an ash colour. and a little downy without, with a navel on the middle of each fide; but one fide is flatter than the other, and the tafte is bitter; it is brought from the East-Indies with fnake wood. It kills all quadrupedes that come into the world blind; and it will likewife intoxicate crows, thrushes, and many other birds; and fome fay that two drams of it will kill a man, though many have placed it in the rank of alexipharmacs. There is another nux comica which is only one third as big as the former, but it is of the fame fhape, colour, and confistence, the wood of the tree they proceed from, is called fnake wood, because it is faid to cure the bites of the serpents called cobras de capello. It is commended Digitized by Gby gle

61

by fome for curing agues, and killing worms; as alfo for expelling noxious humours by fweat; but if the dofe is too large it produces convultions; however it is never ufed but when it is old, for when it is only of a year's growth it caufes madnefs, the gripes, vomiting, and convultions. The dofe in infufion is from two drams to half an ounce; however the ufe of it is beft laid afide.

FABA Febrifuga et FABA fancti Ignatii, the bean of St. Ignatius, is of a roundifh unequal shape, and as it were knotty; but it is very hard, femi-transparent, and of a horney fubstance. It is of the fize of a hazle-nut, and has a very bitter tafte. It has been lately brought into Europe from the Philippine islands, by the miffionaries. The natives of those islands think it will cure all difeafes, and many have them hanging about their necks, thinking them to be a prefervative against poifons, the plague, and all kinds of contagious difeafes. But notwithstanding these encomiums, a certain person of a melancholy conflitution, after taking a fcruple of the powder of it, was affected with a vomitting and loofenefs, with a great plenty of wind, and acrid belchings ; after this he had an universal tremor, attended with convulfions; however at last he grew entirely well. But yet there is a diffinction to be made, for though it affeets the Spaniards in this manner, the natives take it without any detriment. There are German physicians who have cried this bean up in many chronic difeafes, and particularly for curing agues in fucking children ; but the use of it is better omitted.

CARTHAMUS, Baflard Saffron, produces feeds that are fometimes used in medicine, but the flowers very feldom, for they are chiefly used as a dye. It agrees with thiftles in most of its characters, only the feeda are always without down. It is greatly cultivated in *Germany*, and is brought into *England* from thence, for the use of the dyers. It is fown in the open fields in the fpring of the year, and when come up they hoe it out thin, as we do turnips, leaving the plants about eight or ten inches dittant every way. These plants divide into a great many branches, each of which bears a flower at ŧ

the top of the fhoot, which when fully blown they pull off, and is the part the dyers make use of. 'The seed is fometimes called parrots seed, because parrots are fond of it, and it makes them grow fat; however it purges mankind, and brings away ferous gross humours, and is accounted very good in the dropfy and jaundice. When it is given in substance the feeds must be free from the huses, and then the dose is from one dram to two; but it is a nauseous medicine, and as we have much better purges, it ought to be laid afide.

SANTONICUM SEMEN, Worm feed, is a gross powder, confisting of oblong, scaly, yellowish, green grains, of a difagreeable bitter tafte, with fomewhat of an aromatic acrimony, the fmell is a little aromatic. but nauseous, and there seem to be diminutive leaves and exceeding small streaked stalks among it. What this drug is, is a doubt, for fome would have it to be one thing and fome another; Herman believes it to be a fort of fouthernwood that is brought from the eaftern countries to Perfia; and that they are not perfect feeds, but their coverings, which from thence are dispersed all over the world. However we are not certain what fort of plant it belongs to. Its chief vertue is against worms, befides which it is faid to ftrengthen the ftomach, difcufs wind, and excite an appetite; the dole is from a fcruple to a dram.

ANISUM INDICUM STELLATUM, is a fruit in the form of a ftar, which confifts of fix, feven, or more capfulæ, meeting like rays in the center ; they are of a triangular shape, and from near half an inch to an inch in length, and from a quarter to near half an inch broad. They are a little flat and united at their bafe, being composed of a double rind, the outermost of which is hard, rough, wrinkled, and of a bay or rufty colour; but the infide is hard, fmooth, and fhining, and has two valves, which gape on the upper part in those that, are dry and old. There is in every one a kernel, which is fmooth, fhining, oblong, flat, and near a quarter of an inch long, and a twelfth broad, of the colour of linfeed, which in a flender brittle shell contains a whitish, fat, sweet flesh, or pulp, agreeable to the nogle

the palate, and of a tafte between anifeed and fennelfeeds, but ftronger. The capfula has the tafte of fennel mixed with fomewhat of an acidity, and the fmell is like it, but more fragrant. It is brought from China. Tartary, and the Philippine islands. They have the fame vertues as anifeeds and fennel-feeds, but ftronger. They firengthen the flomach, difcuss wind, and promote urine. They are chewed by the Chinefe for the fake of a fweet breath, and as a remedy against contagious air; they diftil an ardent fpirit from it, which by the Dutch is called anife arack.

₭™.₭™.к

CHAP. VI.

Of liquid refins.

H E fluids that flow spontaneously from any plant or tree, or from the wounded bark, either concrete into a refin, or gum, or fomewhat of a middle nature between a gum and a refin, which ought carefully to be diffinguished from each other.

A refin is a fat, oleaginous, inflammable substance, that will not diffolve in water, but will in oil or fpirit of wine. It is of two forts, for one is clammy, liquid, and tenacious; and the other dry and brittle, which however will grow foft with heat.

A gum is a concreted juice that readily diffolves in water, but will neither melt nor take fire. A gum refin is that which will diffolve equally in water or oil, or at leaft for the greatest part, and is composed of refinous and gummous particles.

OPOBALSAMUM, Ealm of Gilead, is a liquid refin, of a very light yellowish colour, and of a fragrant fmell, not unlike that of citrons, but the tafte is acrid and aromatic. Some authors have faid that the tree that produces it grew only in Judea, whence it has been called Jews balfam ; however Diofcorides affirms, it not only grew in Judea, but also in Egypt; Strabo in-

OF VEGETABLES.

informs us it grew in Arabia near the fea. But be that as it will it is now only to be met with in Arabia Felix, and has different vertues according to its age, for when frefh it has a much greater efficacy than when old. It is given inwardly against putrefaction of the viscera, and abceffes of the lungs, liver, and kidnies. The dofe is from two foruples to a dram, and it is in high effeem among the Egyptians for curing almost all forts of diforders, but more particularly for healing wounds; it alfo cleanfes foul ulcers, and heals them in a fhort time; but it is hard to be met with genuine, and very little that is fo is brought over to us.

ċ

ſ

BALSAMUM PERUVIANUM, of which there are two or three forts, as the Balfamum Peruvianum album, the white Balfam of Peru, that is fluid, and thinner than turpentine, but of a clammy confiftence, and is refinous, inflammable, limpid, and of a yellowith white colour. The tafte is a little acrid and bitterifh, but the fmell is fweet and fragrant, approaching to that of florax. It is brought from Spanifh America.

BALSAMUM PERUVIANUM FUSCUM, brown Balfam of Peru, is fluid, refinous, clammy, and nearly of the confiftence of turpentine; the colour is brown or of a reddifh black, with a most fragrant smell like that of benjamin; but the tafte is fubacrid, and is a little pungent on the tongue. It will readily take fire and flame, the imoke of which imells extremely agreeable. That which is quite black is bad. They both are the juice of the same tree, and the one proceeds from the wounded bark of the tree ; but the other is obtained by boiling. They cut the wood, bark, and branches, into very fmall bits, and then boil them in water for a confiderable time; when the water is cold the balfam will fwim on the top, which they put in shelks and keep for use. They are both faid to have the fame vertues as opobalfamum, and the dole is from four drops to twelve in an afthma, confumption of the lungs, fits of the gravel, and suppression of the menses. Outwardly they ease pains proceeding from cold humours, and are excellent in healing wounds.

Digitized by Google

BALSA-

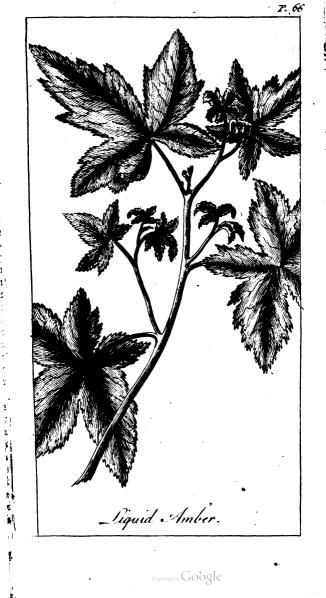
66 THE NATURAL HISTORY

BALSAMUM TOLUTANUM, Baljam of Tola, is a refinous clammy juice, and of a middle confiftence between a fluid and a folid; the colour is bay, inclining to that of gold, and it has a most fragrant fmell; and the taste is fiweet and agreeable, for it does not create an nausea like other balsams. It is brought in small gourd shells from South America, and particularly from Tola. In length of time it becomes dry, hard, and brittle. It has the fame vertues as balsam of Peru, and is of great use in confumptions of the lungs, and internal ulcers. It is very efficacious in curing wounds, and ferves to make what is called the ladies black flicking plaster, now fo much in vogue.

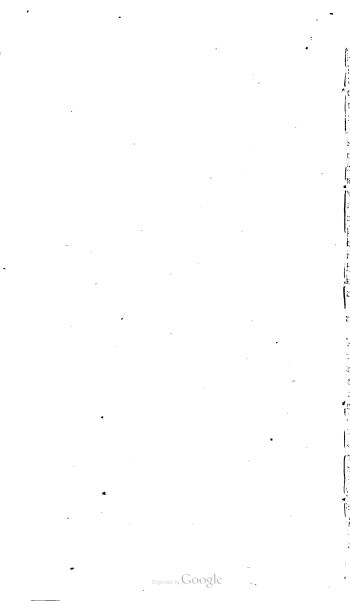
BALSAMUM COPAIBA, Balfam of Capivi, is a refinous liquid juice, and while fresh is of the confistence of oil, but in time it grows thick and glutinous. It is of a yellowish white colour, with an acrid, bitter. aromatic take, and of a fragrant smell. It is brought by the Portuguele from Brafil into Europe. It is often adulterated with turpentine, but may readily be known from it when taken; for it does not give the violet fmell to urine as that does. It abates the acrimony of the humours, enriches poor blood, and it both inwardly and outwardly heals all manner of wounds. It is good in fluxes of the belly, the whites, and benign gonorrhæa, it cleanfes the ureters and bladder, and heals their ulcers. It is also good in diforders of the lungs, and is excellent in appeafing coughs. It is given in a bolus with fugar and powder of liquorice, from five to twenty drops.

LIQUIDUM AMBARUM, liquid Amber, is a refinous, liquid, fat juice, of the confiftence of turpentine, and of a yellowifh red colour; it is of an acrid aromatic tafte, with a fragrant fmell, not unlike florax. It is brought from New Spain, Virginia, and other parts of America. It was formerly of great use among perfumers, but is now laid afide, and is feldom met with in the fhops. It has been faid to be good against cold diseafes, and to refolve tumours; but the fmell of it having been observed to hurt the head, and to throw women into hysteric fits, it is how out of use.

STY-



ł



OF VEGETABLES.

STYRAX LIQUIDUS, liquid Storax, is a refinous juice, of which there are two forts in the fhops, the one pure, and the other impure or thick. The best is of the confistence of turpentine, and femi-transparent; the colour is brown, or of a reddifh brown, and fometimes of an afh coloured brown, with a ftrong fmell like ftorax; but it is so violent it is disagreeable, and the tafte is a little acrid, aromatic, and oleous. The impure ftorax is a refinous juice full of dregs, and of a brownish or ash colour; it is also opaque, fat, and has not fo ftrong a fmell. It is the produce of a particular tree, growing near Suez in Arabia, whole bark they ftrip off every year and boil in fea water to the confistance of bird-lime. and then they take off the refinous fubstance fwimming at the top. It is in like effeem among the eaftern people, and it is faid to have the fame vertues as the former balfams, and is given from three drops to twelve to heat internal ulcers; but it is more commonly used outwardly for wounds, bruifes, and ulcers. It is used in the French , hospitals in an ointment, called the ointment of florax, and with good fuccefs.

TEREBENTHINA, Turpentine, is of feveral kinds, and there are four kept in the fhops.

TEREBENTHINA CHIA VEL CYPRIA, Chio Turpentine, is a refinous liquid juice, of a whitish yellow colour, inclining a little to blue; it is fometimes tranfparent, and fometimes of a pretty firm confiftence, and fometimes fost, thick, and glutinous. The tafte is a little bitterish and acrid, and the smell is also acrid but not difagreeable. The best is brought from the islands of Chio and Cyprus. The use of this, as well as of the other turpentines, is both external and internal, externally it is emoluent, discutient, resolvent, cleanses ulcers, and heals recent wounds. But this is generally prefcribed inwardly, and is remarkable for healing ulcers of the stomach, intestines, liver, kidnies, and bladder. It is good in an old cough, for purulent fpitting, and the beginning of a confumption. It promotes urine, gives it a violet fmell, and is good in heat of urine ; and it often brings away small gravel, some recommend it in the gout, and other difeafes of the joints, for which

purpole it has been given to half an ounce; but it is not, now depended on. The common dole is from half a $\frac{1}{2}$ dram to a dram and a half, in the form of a bolus, or $\frac{1}{2}$ diffolved in the yelk of an egg.

TEREBENTHINA VENETA, Venice Turpentine, is. a refinous, liquid, limpid, clammy fubstance, thicker than oil, but more liquid than honey; it is a little, transparent like glass, and of a yellowish colour ; the fmell is refinous, fragrant, and acrid, but not difagreeable; the tafte is acrid and bitterifh. It it is called Venice turpentine, because it was formerly brought from Venice ; but now from Savey, and the fouthern parts of France. It proceeds from the larix of dodonzus, either foontaneoufly or by an incition of the bark in fpring and autumn. It may be observed that all forts of turpentine, either taken by the mouth or in clyfters, or externally applied, give the urine a violet fmell, from whence we may conclude, that it acts by its fpirituous and volatile particles, which are readily diffused throughout the whole body, and the mais of blood and humours, involving the acrid falts, and by that means reftoring the fecretions and excretions, and recovering ofcillations of the fibres. It is often used internally, and will loofen the belly, and is good in all internal ulcers. It is of great fervice in a gonorrhoea, in the whites, and in refolving or ripening the imposthumes of the viscera. The dofe is the fame as the former, and it is taken in the fame manner.

TEREBENTHINA ARGENTORATENSIS, Strafbarg Turpentine, while fresh is more liquid than the former, and is more transparent, not fo clammy, and has a finer smore bitter, pretty much refembling that of citron peel; but in time it grows yellowish and thick. It flows from the tree called abies taxifolio, that is the firr with the leaf of the yew-tree; not only from its trunk and boughs, but also from certain tubercles within the bark. That which proceeds from the trunk h the worst, and when dry it refembles frankincente in colour and finell, but that which proceeds from the incision of the tubercles is beft. It has the fame vertues

28

s Venice turpentine, though some think it is more efficacious, and it is given in the same manner.

11 TEREBENTHINA COMMUNIS, common Turpentine, is more thick and tenacious than any of the former. and is not fo transparent; it has a refinous frong imell, with an acrid, bitterifh, naufeous tafte. It pro-"ceeds from the pine-tree, either fpontaneously or from incifions. There are also two forts of refins got from it, one of which proceed from the fruits or apples, and the " other from the incifions of the tree. The white refin, ¹³ called by the French galipot, is commonly mixed with ²⁷ wax for the making of flambeaux. When the white " refin is melted with common turpentine, and oil of turpentine, the composition is called Burgundy pitch. In fome places the trunks of the old pine-trees that are still ¹² flanding, have a ditch made round them and fet on fire, " which forces out a fluid well known by the name of tar, of which tar-water is made, lately fo much in vogue, for the curing almost all forts of distempers. All forts ¹ of refins being fet on fire, produce foot, which preferved, is known by the name of lamp black. All forts of refins, as well liquid as folid, are emollient, digeftive, refolvent, and ferve to make plasters and ointment for the curing of wounds and ulcers. Pix liquida is fuppurative, cures diforders of the skin and all forts of scabs, and being mixed with mutton fuet is excellent for fcalda heads.

J

CHAP. VII.

Of solid refins.

A NIME vel ANIMUM, Gum Anime, is improperly called a gum, for it is nothing but a refin, and is either oriental, or occidental. It is a transparent refin, and is brought in fragments of various colours, for fome are white, others reddifh, and others brown. When kindled it has a pleafant fmell, and is brought from Arabia

70 THE NATURAL HISTORY

Arabia to us. We know nothing of the tree that it proceeds from, nor are we certain that this is its proper name.

ANIME OCCIDENTALIS SEU AMERICANA, American Anime, is a white refin, a little inclining to the colour of frankincenfe. It is more transparent than copal, but more oleaginous. It is of a most grateful and fweet smell, and when thrown upon live coals foon burns away. It is brought from New Spain, Brafil, and the American islands. This is used by the inhabitants of Brafil in pains of the head arising from cold; and the furfumigation therewith is fufficient, not only to ftrengthen the head, but all parts of the body affected with cold. Some apply it outwardly, when diffolved in oil or fpirits of wine, to ftrengthen the nerves.

COPAL GUMMI, Gum Copal, is also improperly fo called, for it is a folid transparent refin, of the colour of water, or a little inclining to that of citrons. - It is brought from New Spain. It is feldom used in medicine, though it is faid to be good in cold diforders of the head, but it is often employed in making varnish.

BENZOINUM, Benjamin, is a dry, hard, brittle, inflammable refin, confifting of various bits, fome of which are yellowish, others whitish, in the same mass; and it has a refinous tafte, with a fweet fragrant fmell, especially - when it is fet on fire. There are two forts, one of which is pale, or of a reddifh yellow, containing white grains like almonds; the other is blackish, with few or no fpots. It is brought from the kingdom of Siam, and the illands of Java and Sumatra; that of the lightest colour is best. Its principal use is as a perfume, though it is good in diforders of the breast, promotes expectoration, and appeales coughs. The flowers of Benjamin promote fweat, and are good in the afthma. It is used externally to ftrengthen the head, ftomach, and nervous parts, when made up into a plaster; the tincture is of great use in taking off tubercles and redness of the face.

CAMPHORA, *Campbire*, is a refinous fattifh fubflance, white, light, and transparent, and is brought to us in a fort of loaves or maffes, fix inches long and one.

Digitized by Google

70



. Digitized by Google

or two thick ; it has an acrid, bitterifh, aromatic tafte. and yet with a fense of coldness; the smell is fragrant, fomewhat like rofemary, but much stronger. It is fo volatile that when exposed to the air it will diminish by degrees, and at length fly quite away. It eafily takes fire, leaving no earth or any thing elfe behind it when it has done flaming. It is brought from Japan into Holland, and from thence dispersed all over Europe. In the East-Indies it is diffinguished into two forts, namely, that which is brought from Japan or China, and that which is produced in the iflands of Borneo and Sumatra; but this is very dear and uncommon, and is feldom or never brought to us. It is produced from a tree like a laurel, but of a very large fize, for it grows to the bigness of an oak tree. Camphire may be got from any part of it, for it flows through incifions like other refins, but in fome places the country people cut the root and wood into fmall bits, pouring water upon them, and boiling them in an iron veffel, with a head fixed thereto made of ftraw, to which when it is fublimed it flicks like foot. However it is coarfe when first brought over to Europe, and is cleanfed by the Dutch. When camphire is diffolved in spirits of wine, by pouring water thereon it will rife to the top like fnow; and it will diffolve in ftrong oil of vitriol into a thick, reddifh, yellow liquor. Hoffman thinks it is of a peculiar nature, and that it is improperly called a refin, and this becaufe when kindled it entirely flies away, as was observed above; fome are of opinion that it is a fort of fal volatile oleofum; but Hoffman takes it to be a fine volatile coagulated oil, becaufe there are many forts of fragrant oils that will yield fome fuch fort of fubftance by diftillation; and because all effential oils will entirely burn away. Likewife all etherial oils will diffolve in rectified spirits of wine, and campbire will do the fame, for a fingle ounce of rectified fpirits of wine will take up fix drams of camphire; add to this, that the folutions of oils in fpirits of wine may be feparated from it by the addition of water, as well as camphire; befides all diffilled oils, a few only excepted, will fwim on the furface of the water, as well as camphire. The ver-

tues

tues of camphire are very great, especially in the hands of a fkilful physician; for it is an alexipharmac, and is both anodyne and diaphoretic, without heating the body or disturbing the circulation of the blood; neither does it occasion thirst, nor render the urine of a higher colour, as hot medicines will. It has also an anodyne and foporiferous quality, and is good in pains, madnefs, and fpass, often producing wonders. The dose is from three grains to a fcruple, given in the form of a bolus, or diffolved in oil of fweet almonds. It cures the bad effects of cantharides, when taken inwardly, and is of great use externally, when diffolved in fpirits of wine, in rheumatic pains and inflammations; it is also good against burns and fcalds.

CARANNA, Carama, is a refinous fubftance, as ductile as pitch when it is frefh, but when old it is hard and brittle, of a blackifh afh colour without, and brown within; it has a refinous bitterifh tafte, fomewhat like myrrh, and when kindled it has a fragrant fmell. It is broughr from *America* in maffes wrapped up in a fort of leaves. It is only of outward ufe, and is faid to refolved tumours, eafe pains, and ftrengthen the nervee. It is made into a plafter and laid to the temples for the tooth ach, and on the top of the head for the headach.

ELEMI, Gum Elemi, is a yellowish refin, or of a greenish white, pretty hard on the outfide, but within fost and clammy, and is brought to us in masses of a cylindrick form ; when set on fire it has a strong but not difagreeable smell, somewhat like fennel. This is the, true elemi that was brought from Ethiopia, and is now feldom to be met with in the structure form.

ELEMI AMERICANUM, American Elemi, is fometimes whitifh, fometimes yellowifh, and fometimes greenifh. It is fomewhat transparent like refin, and has a ftrong fmell like that; this is very common in the fhops, and is only used outwardly for refolving tumours, diffolving ulcers, and eafing pains. It is particularly recommended against diseases of the head and tendons, especially the ointment prepared with it, which is called the balfam of Arczeus.

Digitized by Google

RESINA

72

.

.

:

ŧĽ

2

:

٠.

ř.

t,

à

i.

14

1

2

RESINA HEDERÆ, improperly called gummi bedre; the gum of the ivy tree, is a refinous, dry, hard, compact, brown or rufty coloured fubstance, fomewhat transparent; it is broken into small fragments, among which fome are of a reddifh colour; the tafte is fubacrid and a little altringent and aromatic, but it has no imell. When kindled it yields a bright ftrong flame, with a fmell like frankincenfe. It is brought from Perha and other oriental countries. The ancients looked spon this as a pfilothrum or medicine to take off bair; but that quality is not acknowledged by the moderns. It is accounted an aftringent by the Perfiam, but with us it is only used outwardly, and that very feldom, for deterging and healing wounds.

LADANUM vel LABDANUM, Labdanum, is a refinous substance, of which two kinds are met with in the shops, one of which is brought in large compact masses, and is of an agreeable smell, with a reddifh black colour. It is wrapped up in bladders or fkins, but the other fort is without any, and is of a contorted fhape, fomewhat like a fcrew, and is dry and brittle; but when heated by the fire is a little foft, and is mixed with a kind of black fand. It is of a black colour, and weaker than the former, but is most commonly met with amongst us. Outwardly labdanum is emollient, and is used to trengthen the stomach and promote digestion; when applied to the head it is faid to cure the cold intemperies thereof, and the tooth ach when laid to the temples; but it is very feldom used.

MASTICHE, Mallich, is a dry refin, of a pale yel-37 lowifh colour and transparent; it is brought in tears of the fize of small peas, and is brittle at first between the teeth, but when warm it flicks thereto; and when thrown upon live coals it takes fire, emits a pretty good r, ï. fmell, and the tafte is flightly aromatic, refinous, and 1 fubastringent. That is best that 'is pale, yellowish, transparent, dry, brittle, and has a pretty strong smell ; I ۶, but the black, green, livid, or impure, is good for nothing. Some phyficians have commended maffich for³ ftrengthening the fibres of the vifcera, and abating the acrimony of the humours. Some give from a fcruple. VOL. VI. E to

74

to half a dram, in fpitting of blood and inveterate coughs. Simon Paulus commends it against catarrhe, and difficulty of hearing, because it greatly promotes spitting, by which means the peccant humour is drawn from the ears. Externally laid to the temples it is faid to cure the tooth ach.

OLIBANUM, Olibanum, is of a refinous substance, of a pale yellowish colour, and transparent, it is brought in tears like maftich, but bigger, and is of a bitterish take, and pretty actid, but not dilagreeable, and of a fragrant fmell. It readily takes fire, and flames a long while. That is best that is whitish, transparent, pure, thining, and dry. Some have accounted it a fpecific against a pleurify, and commend it in diforders of the head and breaft, especially coughs and spitting of blocd. The dole is from a scruple to two drams. If a dram of it be put into an apple and roafted under the afhes, and given to the patient, it has been observed to cure those who have been given over in a pleurify ; but then he must be well covered in bed in order to fweat. If the first dose does not do, another must be given in fix hours time. It is accounted a good vulnerary, and therefore is mixed in various plasters.

SANDARACHA, Gum Sandarach, is a dry, inflammable, transparent, refinous substance, of a pale yellow colour, and brought in tears like massive. The taste is refinous, but the smell when it is kindled is fragrant and fiveet. That is best that is yellowish, transparent, and shining. It is brought from the coast of Africa. It has much the same vertues as massich, but is feldom given inwardly; nor is it very often applied outwardly. When powdered it is well known by the name of pounce, which is rubbed over paper to prevent the finking in of the ink, and to render the writing more fair; it is also an ingredient in some forts of varnish.

SANGUIS DRACONIS, Dragons-blood, is a dry, brittle, refinous fubftance, melting eafily, and as readily taking fire. It is of a dark red, but when powdered it is of an elegant blood colour; when drawn into thin plates it is transparent, but is without tafte or fmell, un-

Digitized by Google

leís

1 I 61 [] Ŕ l ***** 2 ľ C Digitized by Google



lefs when kindled, for then the fumes fmell fomewhat like ftorax. There are two forts in the fhops, one of which is hard and in maffes, about an inch long, and half an inch thick, and is wrapped up in long narrow. leaves. Dragons blood in tears and drops is generally mixed with bark, wood, earth, or other heterogeneous fubstances, and then made into masses, or loaves, as fome call them. There is another counterfeit fort, that may be readily diffinguished from the true, for the maffes are of a durky red colour, and made up of feveral forts of gums tinged with Brafil wood. It will not flame. but when placed over the fire rifes in bubbles, and being put into water diffolves therein. That is best that is fhining, of a darkifh red, wrapped up in leaves, and when powdered is of a fine red fhining colour. It is brought from the East-Indies, and is produced by four different trees; however, that which is genuine will diffolve only in fpirits of wine and in oils. It is of an aftringent quality, and is excellent in all forts of hæmorrages whatever ; the dole is from half a dram to a dram, and when applied outwardly dries up ulcers, heals wounds, and faftens loofe teeth; it is also of use to painters, in making a red fort of varnish.

STYRAX SOLIDUS, Storax, is a refinous fubflance, of which there are two kinds, Storax Calamite, and Common Storax.

١

SIYRAX CALAMITA, Storax Calamite, is a refinous, fhining, folid, fomewhat fattifh fubftance, which is composed of reddish and whitish grumes or grains, of a refinous, acrid, but not disagreeable taste, and a most fragrant single, especially when thrown on live coals; it takes fire readily, and emits a very bright flame. It was wont to be brought over in reeds, from whence it had its name.

STYRAX VULGARIS, Common Storax, is of a yellowifh red, or brownifh colour, which is finning, fat, and a little clammy, and is brought in maffes mixed with whitifh grains; it has the fame fmell and tafte as the former. There is also another fort of florax which is mixed with faw-duft, and this is now commonly fold in the fhops, and is oftner met with than the true. It is $E \cdot 2^{-1}$ good

good in difeafes of the breaft, and is faid to firengthen the brain, refresh the spirits, and restrain their inordinate motions; it has also an anodyne faculty, and is good in pains of the head, and inveterate coughs, by abating the acrimony of the humours. The dofe is from half a fcruple to half a dram.

TACAMAHACA, Tacamahac, is a refinous, dry, fragrant fubftance, of which there are two kinds in the shops, but that in shells is the best. It is a little fost, fometimes pale, fometimes yellowifh, and at other times greenifh. It is brought in shells, which feem to be of the gourd kind, and covered with leaves. It has a most fragrant aromatic and very fweet fmell ; but it is feldom met with in the fhops. The common fort confifts of whitish grains, or glebes, but they are sometimes yellowifh, reddifh, or greenifh, or variegated with all those colours, and femi-transparent, I he smell is much like the former, but not fo agreeable, and it is brought from New Spain. It is feldom or never given inwardly, but is applied outwardly for eating of pains ariting from cold flatulent humours; it refolves and ripens fwellings, and restrains defluxions on the eyes and other parts of the face. When laid to the temples it is much praifed by fome for curing the tooth-ach, and to the flomach for ftrengthening it, and affifting digeflion.

:

1

1;

.

CHAP. VIII.

Of gums.

UMMI ARABICUM, Gum Arabick, is brought **T** over to us in tears, or drops, of different colours, 12 fome of which are pale, others yellow, and others red, with a wrinkled furface, and brittle ; and which fhines like glass when broken. When held in the mouth it flicks to the teeth, and diffolves readily in water, but has no tafte It is produced by a tree called the Acacia Vera, or the Egyptian Iborn, and is brought over from Arabia,

÷.,

3

ź

77 ·

Arabia, Egypt, and other parts of Africa. The best is whitish, or of a palish yellow, shining, dry, transparent, and free from filth. When it is brought over in large reddifh dirty maffes it is only fit for mechanical ules. It will not diffolve in fpirits of wine or oil, and in the fire it burns to alhes without flaming, whence it appears to confift of a mucilage and earth, for which reason it is good to abate the acrimony of sharp humours, and to thicken those that are too fluid ; whence it is good in hoarfeneffes, coughs, falt catarrhs, fpitting of blood, the ftrangury, and heat of urine. The dole is from a fcruple to two drams. When a powder of this gum is wanted, it must be beaten in a red hot mortar, and then the powder of it may be exhibited for internal use. Some fay it is proper externally to heal wounds, and ulcers, for bleeding gums, and for hæmorrhages of the fpungy parts.

GUMMI SENEGA, or SENICA, Gun Seneca, is not unlike gum arabick, and it is called Senega, becaule it is brought from a province of Negroeland bordering upon the river Senegal. We now have it in great plenty, and at prefent the whole trade is in our own hands, though from what tree it is obtained we are uncertain, though perhaps it may be a kind of an acacia. The white and smaller tears of this gum, are often fold for the true gum arabick ; and there is no great cheat in the matter, for their qualities and properties are much the fame. The negroes feed upon this gum after it is diffolved in milk.

GUMMI NOSTRAS, Cherry-tree and Plumb-tree gum, differs little from gum arabick, and has the fame vertues; however the former is always preferred for medicinal uses.

TRAGACANTHA, TRAGACANTHUM, and DRAGACANTHUM, Gum Tragacanth, is a gummy juice, fometimes brought over in long ftrings varioufly contorted and bent, and fometimes in fmall grumes, or bits; it is white, femi transparent, and fometimes yellowish, reddish or blackish. It is dry but not very hard, and without either fmell or tafte. It is brought from Cyprus, Afia, and Greece. That in ftrings like worms

tized by Google

THE NATURAL HISTORY

78

worms or ifuglaís is beft, when it is white and free from filth. It ferves for the fame purpofes as gum arabick; and it is obfervable that a dram of it will thicken a pint of water, full as much as an ounce of gum arabick, it being altogether a mucilage without any earthy parts. It is good in dry fharp coughs, hearfeneffes, and other diforders of the breaft, arifing from an acrid lympha; as alfo in the dyfury, firangury, and ulcers of the kidnies; it is alfo of ufe to abate the heat of the mouth and tongue, and to heal the painful chaps of the nipples. It is beft taken diffolved in fome convenient water, and the dofe is from half a fcruple to two drams. It is never ufed externally, but ferves the apothecaries for making troches.

MANNA, Manna, is a fort of gum which flows fpontaneoufly from feveral forts of trees, and afterwards congeals into grumes in the form of an effential oleous falt; it not only proceeds from the afh and quicken-tree, but allo from the larix, pine, fir, oak, juniper, maple, olive, fig-tree, and other plants; for which reason it differs in form and confiftence, according to the place and tree from whence it was gathered; for fome is liquid, and of the confiftence of honey, and another fort is concreted into grains like maftich, and another againinto grumes or finall maftes. Manna is also divided into the Oriental and European, the first of which is brought from India, Perfia, and Arabia.

MANNA CALABRA, Calabrian Manna, is fometimes in grains, fometimes in tears, and fometimes in grumes or finall maffes; it it brittle and whitifh while frefh, and fomewhat transparent, but in time grows reddifh, and in moift weather turns to the confistence of honey; it is as fiveet as fugar, with a kind of an acridity. That is beft that is white or yellowish, light and concreted into grains or grumes in the fhape of icicles; but that which is fat, like honey, or blackifh and dirty, is not good; for fometimes this is counterfeited with coarfe fugar, honey, and a little fcammony; likewife that which is white, opaque, folid, heavy, and not in the fhape of icicles is bad, because it is nothing but fagar and manna boiled together. This counterfeit fort

may

2

ļ

41

ź1

è

2

i

li

(2

. 1

Ċ.

ŧ

1

k

Ş

I Į

1

Q

Z

đ

Q

8

P

1.

2

Ż

1.

OF VEGETABLES.

may eafily be diffinguished from the true by its density, íe. weight, opacity, and tafte. This manna in Calabria į, and Sicily flows spontaneously from two forts of ash trees, ic, and is found on the boughs and leaves in the fummer n. months, unless prevented by rain. Sometimes they h make incitions in the bark, and the manna that proceeds d. from thence is called by the Calabrians, Forzata, where-Ð Ŀ as the other is named Manna di Fronde, and Manna di Corpo. When the weather is dry it flows from the Ľ trunk and large boughs of these trees from the twentieth et. of June to the end of July, and from noon till evening, r in the form of a limpid fluid, which concretes into va-P, rious grumes, and grows white and dry. They gather ĥr, it the next day, fcraping it off with wooden knives, if the weather is fair; but if it fhould chance to rain the 6 à manna is loft. When July is paft, they make incifions in the bark of the afh and quicken-trees, and from noon r. till evening a liquid flows out, which concretes into ť, k, thicker grumes, which are fometimes very large, and require a day or two to bring it to a proper confiftence ; Å this is redder than the former, and is fometimes blackish. α. on account of the earth and other filth mixed theres١ with.

The MANNA DI FRONDE, flows fpontaneoufly in July and August, from about the nervous fibres of the leaves, which being dried in the air concrete into whitish grains of the fize of wheat; infomuch that in August the greater leaves of the afh-tree look white, as if they were covered with fnow ; however, this is very fcarce, on ac-count of the difficulty of gathering it. The vertue of manna is well known, it being a mild laxative purge, and is thought to diffolve gross humours, and to abate their acrimony; whence it is good in catarrhs and coughs, proceeding from an acrid phlegm. It is also good in diforders of the breaft and lungs, when fluffed with clammy humours. It is also profitable in the pleurify, inflammation of the lungs, and tenfion of the belly from a thick hot bile. The dole is from one ounce to three, and Hoffman, in fome particular cafes, has given to four. There is another fort of manna which is gathered in Dauphiny in France, and proceeds from the Ε4 larch-

ù

ø.,

H

¢ iii -

k

n dÎ

ri. v pi

5;

,

í.

1

ji I

ľ

d)

larch tree, and it is white, and fometimes in grains, and at others in grumes. It has an agreeable iweet tafte, only it has a relifh of the refin; however it is not in ufe even at *Paris*. There is alfo another kind of manna common in the *Levant*, which proceeds from a certain tree in large drops, which when hardened in the fun, are of the fize of coriander-feeds, and reddifh. Thefe are generally made up into maffes, together with leaves, thorns, and other filth, and would be very good if cleanfed therefrom; the natives take three ounces of it for a dofe.

l

l

¢

Q

N......

14

16

12

1

4

ť

CHAP. IX.

Of gum.refins.

MMONIACUM, Gum Ammoniac, is a concreted juice, of a middle nature between a gum and a refin ; it is composed of little lumps, or masses, shining here and there with bits that are milk white, or reddifh; but the fubstance itself is a little brownish, and it is not unlike benjamin; but it is sometimes in tears. It is fometimes yellowish on the outside, and of a yellowish white within; the tafte is fweetish at first, but afterwards bitterish, and the smell is fragrant, not unlike that of galbanum, but stronger. When chewed it grows whiter and whiter by degrees, and when thrown upon burning coals it will flame; it will diffolve in vinegar or hot water, and is brought from Alexandria in Egypt. The tears are best for internal use, especially when pure, dry, and without mixture. However it may be purified by diffolving it in vinegar, and then firaining and inspissating it; but this preparation deprives it of its fine volatile particles. Ammoniac incides groß humours, and is good in the affhma, and in crude tubercles of the lungs, and in general is a great aperient. The dofe is from half a fcruple to a dram, in the form of an emulfion,

OF VEGETABLES.

81

fion, electary, bolus, or pills. Outwardly it is discutient, and is of great use in ripening tumours.

17

1 1

1

ñ

\$7

ť

Ņ.

¢,

c

6

¥;

•

3

÷

3

ASSA-FOETIDA, is a kind of gum refin, and is of the confistence of wax; it is frequently brought in large maffes, full of shining, whitish, yellowish, reddish, fleshcoloured or violet ipots. It has a very firong fmell, fomewhat like garlick, and has a bitter, biting, acrid tafte. It is brought from Perfia and the Eaft-Indies, and that is best which has the strongest smell, and feems to be composed of tears reduced into masses. It proceeds from the wounded root of a tree, but never from any other part, and at first it is as fluid as cream, and of the fame colour; but being exposed to the air and fun it becomes brownish and thick. In the East-Indies they mix it with their fauces, and account it a great delicacy; but here it can scarce be endured upon any account, the fmell is fo ftrong and difagreeable; however, it is prefcribed in the flatulent cholic, hysterical diforders, and for promoting fecretions. It is diaphoretic, and prometes fweat ; it is good in diforders of the nerves, and is of fome use in a palfy. The dose is from twelve grains to a dram, and even to two drams. It is given against an asthma in a poached egg, and is accounted of great efficacy against the bad effects of narcoticks.

BDELLIUM, Bdellium, is a gum-refin, which is brought to us in masses of feveral shapes and fizes, and it has fomewhat of the appearance of myrrh, it being of a rufty reddifh colour; but in the infide it is a little tranfparent. It is brittle, of a bitterish taste, and has no disagreeable smell when kindled; it will flame for a confiderable time, with a fort of a crackling noife. One part of this gum will diffolve in water, and the other in fpirits of wine; but it will all diffolve in tartarized fpirits of wine, in any alkaline liquor, as well as in wine or vinegar. It has been commended against diforders of the lungs, but is now feldom or never given inwardly; however it is a good emollient, and is effectual in difperfing tumours of the glands.

EUPHORBIUM, Euphorbium, is a refinous gum, and is brought to us in drops, or tears, of a pale yel-Es lowifh.

82 THE NATURAL HISTORY

1

ï

1.

1

ć

į

ļ

ľ

t

lowish, or gold colour. They are bright and of different fhapes and fizes, with a most acrid, burning, nauseous tafte; but they have no fmell. It is brought from the inland parts of Africa to Sallee, from whence it is transported into Europe. It is a most violent and dangerous purge, and often produces fainting and cold fweats; for which reason various methods have been used to correct it. which are not worth mentioning, because in whatever manner it is given it is never fafe. It is of fuch fubtile parts, that it will cause fneezing only by fmelling to it, but if any of the powder gets up the nole, it always fets it a bleeding. Even when used outwardly it not only makes the part look red, but raifes an inflammation and ulcers. However it has been of some use in a caries of the bones, and punctures of the nerves, either alone or mixed with an equal quantity of Florentine orris. For punctures of the nerves a scruple of euphorbium should be mixed with half an ounce of Venice turpentine, with a little wax, and then fome of it must be applied hot to the part. It is dangerous even to powder it, becaufe without a great deal of care it will get into the nose or mouth.

GALBANUM, Galbanum, is a fat fubftance, as ductile as wax, and is fining and femi-transparent, it being of a middle nature between a gum and a refin. It is of a whitifh colour while fresh, but afterwards grows yellowifh or reddifh. It has a bitter acrid tafte, with a firong smell. That is best which is fresh, fat, pure, and moderately viscous. When taken inwardly its vertues are not unlike gum ammoniac, but weaker; however it diffolves thick phlegm, for which reason it is good in an afthma, and old cough; it discusses wind, is good in the cholic, and opens obstructions of the womb. Externally it fostens and ripens fwellings, for which reason it is mixed in various plasters; being applied to the navel it mitigates hysteric disorders, and spass from one for uple to two.

MYRRHA, Myrrh, is a gum-refin, and is brought to us in grains or maffes of various fizes, fome of which are as big as a hazle-nut, and fome of a walnut; the colour is yellow, or rather of a rufty red, and femitransparent.

OF VEGETABLES

Ŀ.

L,

:-

۲

2,

ł

3

2

t,

j,

z

E

3

Ľ

7 H

į

b é

1

, I

1.

1

1

ĿŻ

The tafte is bitter, fubacrid, and aromatransparent. tic, but naufeous, with a ftrong fmell, which ftrikes the nose when it is pounded or burnt. The best is brittle, light, of the fame colour, bitter, acrid, and of a pretty strong fmell. It strengthens the stomach, helps digestion, and discusses wind, and is good in all cold cachectic discases, catarrhs, and all forts of ulcers. It is alfo good against worms, on account of its excessive bitternefs, as also in diforders and obstructions of the womb, It is given in fubstance in the form of a bolus or pills, from half a fcruple to half a dram. Externally it attenuates, discusses, and is an excellent vulnerary; it cleanfes old ulcers, preferves them from putrifaction, and cures the caries of the bones. It is bad in all forts of hæmorrhages, as well as in fpitting of blood, and it ought not to be given to women with child, except with great caution. The tincture of myrrh is most in use, and is given from five drops to half a dram, When outwardly applied, it often prevents gangreens and mortifications; and that which is improperly called the oil of myrrh, is good against freckles and pimples on the face.

OPOPANAX, Opppanax, is a gummy and refinous juice, concreted into grains about the fize of a pea, which are reddiff without, and within of a whitifh yellow; the tafte is intenfely bitter and acrid, and the fmell is ftrong. The beft is in fhining, fat, brittle tears, of a faffron colour without, and whitish or yellowish within; it is brought from the East-Indies, but we know not from what plant. It takes fire like refin, and discolves in water, where it turns it of a milky colour. It incides gross viscid humours, discuffes wind, and loofens the belly; it is good in hypocondriacal diforders, obstructions of the vilcera, and suppression of the menses, and is an ingredient in the gummous pills of the shops. The dole is from a scruple to a dram.

SAGAPENUM, Sagapenum, is a juice between a gum and a refin, and is fometimes brought in grains, but more frequently in larger masses, which are reddifu on the outfide, and within are of the colour of horn ; it has a biting acrid tafte, fomewhat refembling leeks, with

E 6

with a ftrong fmell, and feems to be of a middle nature between affa-foetida and galbanum. It will flame when held to a candle, and will diffolve entirely in wine vinegar and hot water. That is beft which is transparent. reddifh without, and within full of whitish or yellowish fpecks, and which grows foft when handled. It is a powerful aperient, discutient, and attenuant, and not a little abstergent; hence it is good in diforders of the breast, ariting from a gross phlegm; as also in hard callous fwellings, efpecially of the nervous parts. Some preferibe it in an affhma, obstructions of the viscera, and diforders of the nerves. The dose is from a fcruple to half a dram. Rolfincing affirms, that when applied externally it opens obstructions of the viscera like a charm. mitigates pains of the fides, and refolves the hard fwellings of the fpleen.

SARCOCOLLA, Sarcecella, is a gummons juice, and fomewhat refinous; it confits of fmall whitifh grains, or of a whitifh red, that are fpungy, brittle, and now and then mixed with finning fpecks; the tafte is fubacrid and bitter, with a difagreeable naufeous fweetnefs. It foftens between the teeth, and when held to a candle it first bubbles, but afterwards breaks out into a clear flame, and yet it diffolves in water. It is brought from Perfia and Arabia. Authors are not agreed about its vertues, however they all commend it when diffolved in aftes-milk, in defluxions of the eyes, becaufe it abates the acrimony of the lympha; it is alfo a vulnerary, and cleanfes and heals wounds.

CHAP.X.

Of juices extracted by art from plants.

A LOE, wel SUCCUS ALOES, Alees, is of three forts, the Succetrine, the Hepatic, and the Cabaltine. The first is brought from the island of Soccetora, near Arabia, and is the best and purest of them all;

it



۱ , , Digitized by Google

it is of a reddifh or faffron colour, and when broken is fhining, and as it were transparent ; the tafte is bitter, aftringent, and fomewhat aromatic, with a itrong, but not disagreeable smell. The Hepatic is dense, dry, opaque, and of the colour of liver, with a ftronger fmell and tafte. Caballine, or Horfe Aloes, is the worft of all, and is heavy, dense, black, and full of fand ; it has an exceeding bitter nauseous taste, and a very strong difagreeable fmell. The best Succotrine Aloes is fhining, transparent, fat, and brittle in the winter, but in the fummer a little fofter, and is of a yellowish or purple reddifh colour, but when powdered it is of a fhining gold colour, with an aromatic bitter tafte, and a throng aromatic fmell, almost like myrrh; Hepatic Aloes is of a darker colour, and is more denfe and dry, fhining lefs, and has a ftronger fmell and tafte, as before obferved. Succotrine aloes is the beft for internal uses, and the Hepatic for external, but the Caballine is only for horfes. Aloes in general is not only a purge, but is a remedy against diforders of the bile; but if it be given in too large a dole, it is apt to create hæmorrhages, and particularly the piles. Likewife if it be given too often it is noxious, and produces the fame effects. It confifts of two parts, a gummous and a refinous; but the purging quality is in the first, and must be extracted with a watery menftruum ; but the refinous is aftringent, and is extracted with fpirit of wine. Aloes has this peculiar property, that a few grains of it will loofen the body as much as a fcruple. It promotes the flux of ` the piles and of the menfes, and is excellent for killing and expelling worms. Externally it is a very great vulnerary, and is useful for cleaning ulcers, especially when there is a tincture made of it of myrrh. Some give it from one scruple to two scruples in substance; but the most common way of taking of it is in tinctura facra. In general it purges off bilious and pituitous humours, opens obstructions of the viscera, strengthens the stomach, helps digestion, and provokes an appetite; however it is best in cold constitutions and difeases, and women with child fhould abstain from it entirely.

1

ſ

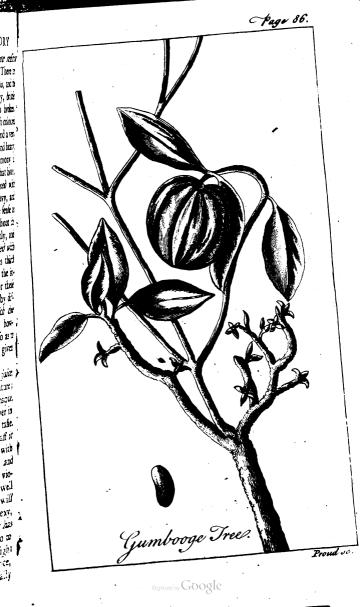
SCAM-

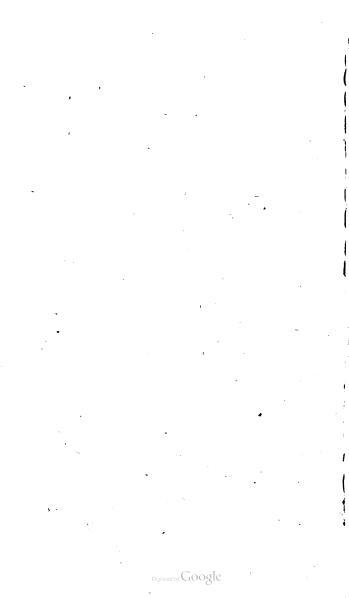
SCAMMONIUM, Scammony, is a concrete refinous and gummous juice, and is a noted purge. There are two forts, one of which is brought from Aleppe, and the other from Smyrna; the first is light, spungy, brittle, and of a blackish ash colour, shining when broken; when it is pounded it turns to a whitish or ash coloured powder; it has a bitterifh acrimonious taffe, and a very strong fmell. Smyrna Scammony is more denfe and heavy. and of a black colour. However that Scammony is best that will readily break and powder, and that bites, or burns the tongue very little, but when mixed with fpittle turns whitifh like milk. The black, heavy, and impure is bad. All ftrong purges are in fome fenfe or other dangerous, and this in particular is not without its bad effects ; for fometimes it purges too violently, and at other times not at all ; it is fometimes attended with fickness, and produces wind, as well as occasions thirst and a fever. It will fometimes caufe ulcers in the intestines, and produce a dysentery or tenesmus; for these reasons it has been corrected in different manners by different authors ; but with us it is corrected with the fumes of fulphur, and then is called diagrydium ; however the best way is to grind it with fugar, fo as to divide its refinous particles, and then it may be given fafely to ten or twelve grains.

l

í

GUMMI GUTTA, Gumboge, is a concreted juice, partly of a refinous, and partly of a gummous nature ; it is inflammable, dense, dry, hard, shining, opaque, and of a yellowish faffron colour ; it is brought over in pieces of various fizes, and has very little or no tafte. It will diffolve both in wine and water, in which last it will turn a little milky, and yet tinge any thing with yellow. When held to the candle it will flame, and emit a copious imoke. It is reckoned among the violent purges, and brings away ferous humours as well upwards as downwards, and that speedily, though it will not gripe. It is frequently used in the dropfy, cachexy, jaundice, catarrhs, and other chronic diforders. It has been given from two to fifteen grains, and from two to four grains it will not vomit, but from four to eight grains it will both vomit and purge without violence, especially





especially if plenty of water gruel be drank after it. The best way is to give it either in a bolus or pills; however it should be used with caution, especially because vomiting will not fuit with some patients.

OPIUM, Opium, is a concreted refinous and gummous juice, which is heavy, denfe, clammy, inflammable, and of a blackish colour. It has a strong soporiferous fmell, with an acrid bitter tafte, and is usually brought over in roundifh cakes about an inch thick, and weighing from half a pound to a pound, which are wrapped up in poppy leaves. It is brought from Natolia, Egypt, and the East-Indies. Authors differ greatly about the effects of Opium ; however it is certain that in a proper dofe it will generally procure fleep, and eafe pain; I fay generally, because it will keep some waking and prevent fleep; though at the faine time it will ease their pains. Too large a dose, that is a few grains, will not only produce fleep, but blunt all the fenses, hinder breathing, and prevent the patient from ever waking again. It is doubtlefs a most useful remedy, and will stop the process of many diseases; but then it is palliative only, and never cures any. It is exceeding hurtful to the weak, and fhould never be given where the motions of the patient are languid; likewife in fome cholics it has often produced paralytic diforders; for which reafon it fhould never be given to infants and perfons weakened with age. When exhibited in a proper dole it excites an agreeable fensation, and inclines to mirth like a moderate quantity of wine ; for which reafon the Turks always take large dofes of it when they are going to engage in a battle. It ftops all fenfible evacuations for a time, except fweating, and enlarges the pulse. Sometimes it produces flight palsies, especially of the bladder, as well as stammering, and a relaxation It hinders digestion, and blunts the of the lower jaw. appetite ; but it promotes the lochia, which were fupprefied by the irritation of the fibres and convulsive motions. Some perfons take it fo often that at length it becomes habitual, and then they cannot leave it off without the utmost danger. When too large a dose has been taken, it will be best to bleed and vomit, if the strength will.

will permit; and then acids muft be given, as vinegar, and the juice of lemons or fpirits of vitriol properly diluted. Some cafes will require flrong fneezing powders, and blifters or finapifins applied to the foles of the feet and nape of the neck, with painful frictions, fcarifications, or burnings. The dofe is generally a grain, but in fome cafes two may be given.

ACACIA VERA, *True Acacia*, is an infpiffated gummous juice, brown or blackifh without, and reddifh or yellowifh within; it is of a hard firm confiftence, of an auftere aftringent tafte, and is brought over in round maffes, weighing from four to eight ounces. It is brought from E_{gypt} . It is faid to ftrengthen the ftomach, flop vomiting and loofeneffes, as well as fome forts of hæmorrhages, by abating the acrimony of the humours, and ftrengthening the folid parts. The dofe is from half a dram to a dram, in fome convenient liquor.

There is another fort of *Acacia* brought from *France* and *Germany*, which is an infpiffated, dry, hard, black juice, and has an acrid auftere tafte, and is expressed from wild plumbs. It is given to a dram against hæmorrhages and loofeneffes.

HYPOCISTIS, is a dry, black, fhining juice, of an auftere tafle, and is brought from the *Levant*. It has much the fame vertues as Acacia, but is a more powerful aftringent, and the dofe is from half a dram to a dram.

CATECHU, improperly called Japan earth, is a gummy, refinous, infpiffated juice, of a reddifh black without, and a brownifh ted within, with an affringent bitterifh tafte, but no fmell. There are two forts, whereof one is better than the other, and melts more readily in the mouth. It is brought from the Eaff-Indies. It is a moderate affringent; fitrengthens the gums, and is good in fmall ulcers of the mouth, as also in coughs and hoarienefs. It fitrengthens the flomach, helps digeftion, and is good in loofeneffes. The dole is from half a (cruple to a dram.

SACCHARUM, Sugar, is of feveral forts, which are fo well known to every one that they need no de-

fcription.

÷

1:

Ù

()

١,

| i.

;

1

L

1

ļ

l

88

.

OF VÉGÉTABLES.

ï

k

7

a,

1

2

Ľ

2

r

Ŀ

ŕ

7

e d

ł

4

2

۰,

i

1

ď,

1

r

ы с,

ł

ł

Ξ,

feription. Some are great enemies to fugar, and affirm it produces I know not what bad effects; but as those who have used it very freely have never received any damage from it, we may conclude it to be entirely harmlefs. It does not produce confumptions as fome pretend, because an apothecary that had that diffemper almost lived upon fugar of roles, and was cured thereby. Some have affirmed it produces the fcurvy, and was the original caufe of it; whereas it is well known that difeafe appeared before fugar was in use ; befides the pooreft people who eat much less fugar than the rich, are most afflicted with it. This likewife is true of common failors, who generally eat more falt provisions and lefs fugar than the officers. Some affirm that it turns four upon the flomach, but give us no argument to prove it; an acid may indeed be produced from fugar, and fo there may from all forts of corn, as well as wine; but then it must be performed by art, and turned into an ardent spirit first by fermentation. Besides sugar is a . natural foap, and will readily mix with any fort of liquor, and therefore it is not at all probable it fhould turn four upon the ftomach. Compositions of fugar are allowed on all hands to be good in diforders of the breaft, and that mixed with oil of fweet almonds, it is good in coughs, hoarfeneffes, and the like. Externally fugar is a very grear vulnerary, especially when mixed with a little brandy, for then it will heal wounds, cleanfe ulcers, and prevent putrefaction. A little powder of fugar-candy frequently blown into the eye will take off the albugo or fpot on the transparent cornea.

TARTARUS, or TARTARUM, *Tartar*, is a fatine hard fubftance, of an acrid and fubauftere tafte, which adheres to the bottoms and fides of wine veffels, from whence it is fcraped off. It is of two forts, the white and the red, they proceeding from wines of the fame colours. The beft Tartar is heavy, hard, with that part next to the wine rifing into cryftaline points, but when broken appears like fpunge, or pumice ftone, it being porous and mixed with earth, though it is a hard fhining fubftance.

89

Digitized by Google

Tartar

90 THE NATURAL HISTORY

Tartar unprepared is feldom or never used internally; but is taken when purged, and then it is called cream or crystals of tartar; and is good to temperate the heat of the bile, and to quench thirst in burning fevers. It attenuates gross humours, opens obstructions of the vifcera, and is good in cachettic and hypocondriac diforders. It is a laxative, and is often mixed with milder purges with fucces. When given from half a dram totwo drams it is an aperient only, but from half an eunce to an ounce it is a purge. Cream of tartar will not diffolve in cold water, but it will in hot. T

(ċ

("

(i

ā

1 1

F

ŧ

Salt of Tartar, which is procured by calcining tartar in an open fire, is a fixed alkali, and fomewhat of a cauftic quality. It ferves for many chymical operations, and effective to extract the refineus and fulphureous parts of medicine in making of tinflures. When given alone diffolved in a fufficient quantity of water, the dofeis from twelve grains to half a dram; and it will attenuate groß humours, and cure the heart-burn proceeding from acids in the fromach. Among the meditartar, witriolated tartar, and emetic tartar.

CHAP. XI.

Of tubera, fungi, and fubstances that adhere to certain wegetables.

TUBERA CERVINA, or BOLETUS CERVI-NUM, *Deers Balls*, is a tubersie fungus, withaut a root, and is of a duffay yellow colour, with a hard, thick, and granulated rind; but the infide is of a purplifh white colour. It is of the fize of a walnut, though fometimes of that of a hazel-nut, or lefs; and it is divided into cells that were foft and downy, and in which are exceeding fmall feeds, lying together in a mafs, and connected with filaments; when this fubftance has loft its feeds, it is then contracted into a fmall round ball. The

The fmell and tafte when frefh are rank, but when dry and laid up for fome time, they become almost infipid. They are of little use, for they are never eaten, nor have they any remarkable qualities to recommend them for physical purposes, whatever authors have faid to the contrary. There have been indeed fome superfitions women that have employed them in filters to procure love; and they possibly may have had fome effect that way from the windiness of their nature.

Ľ

ε.

2

ŧ

ĉ

đ

ł

6

ć

4

ŝ

AURICULA JUDZE, or FUNGUS SAMBUCI-NUS, Jews-ear, is a membranaceous fungus, in the fhape of an ear, from whence it has its name. It is a foungy fubfance, growing at the bottom of old aldertrees, and is light, coriaceous, and membranaceous; it is afh coloured beneath, and blackift on the top, and the tafte is earthy and flat, but it has no fmell; it has little or no pedicle, but flicks clofe to the body of the tree. It is faid to be aftringent and drying, but is feldom or never taken inwardly, though Simon Paulliaffirms it brings away plenty of water in the dropfy.

AGARICUS, or FUNGUS LARICIS, Agaric, is a fungous substance, of a roundifh, angular, unequal shape, and of different fizes, from the bigness of a man's fift to that of his head. It is very light, as white as fnow, and may be readily rubbed into meal between the fingers; but it has a few fibres, and a callous afh coloured reddifh rind, whole lower part is perforated by exceeding fmall feeds that lodge in the holes; the tathe is at first sweetish, then bitter, acrid, and nauseous, with a flight aftringency. It grows to the trunk of the larch tree, and is feldom or never found on the boughs. The best is white, light, and brittle. It goes under the denomination of a purge, though fome deny it has any fuch quality. It is supposed to evacuate phlegm, for which reafon it has been given in defluxions and diforders of the breaft, but that only to firong people. However it is a useless medicine, or rather noxious, for it loads the flomach, diffends the vifcera, creates a nausea, and causes vomiting. Its powder has been prescribed from half a dram to two drams.

Digitized by Google

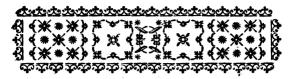
AGARI-

AGARICUS PEDIS EQUINI FACIE, Touch-wood, or Spunk, grows to the afh and other trees; but that is fuppofed to be beft that grows to old oaks that have been lopped, and which has been gathered in August and September. This has of late been mightily cryed up for slopping of blood upon the amputation of a limb, without making any ligature; but it has had the fate of many new discoveries, and is now almost entirely laid afide; though it might double's be of use in many cafes. The inward part is best which feels to the touch like buff, which must be taken out, and beaten a little till it may be eafily teazed between the fingers. This being done, fo much of it must be applied to the wound as will fomewhat more than cover it, and over this a broader piece must be laid with proper bandages.

The END of the FIRST PART.

itized by Google•

тне



.

THE

NATURAL HISTORY

VEGETABLES,

And their uses in Medicine.

PART II.

Of indigenous berbs, plants, scrubs, and trees, and their uses in medicine.

INDIGENOUS plants are those which are produced in cur climate, fome of which have been, or are, used in medicine; while others are quite useles, at leaft as far as is hitherto known; and therefore they may be passed over in filence. In giving an account of them, I shall observe an alphabetical order, that each of them may be more readily found, but as for the English names they shall be added alphabetically at the end.

ABROTANUM MAS, Southernwood. There are two kinds of this plant of ule in medicine. one of which is called the male, and the other the female; but the first of these is properly the southernwood. In its characteristicks it is much the same as wormwood, and its root

root is woody, with a few fibres proceeding from it. It has many branches, which fometimes rife to the height of four cubits, though they are generally much lower ; they are hard, brittle, and full of a white pith, fomewhat of a reddifh colour, and are fireaked and branched. It has many leaves, fomewhat broader than those of fennel; and those below are divided into feveral parts. but those above have only one or two segments. Thev are of a hoary colour, with a ftrong agreeable fmell, and a bitterish taste. The flowers on the fides of the branches are like those of wormwood, and cohfist of many small blofforts that are tubulated and divided at the top into five parts, in each of which there is a fingle feed, and they are all comprehended in a fealy cup. It is cultivated in gardens, by flips or cuttings, planted in the beginning of April on a bed of fresh light earth, observing to water them two or three times a week, till they have taken root. Simon Pauli recommends it given in powder to a dram, against the gravel and suppreffion of urine, as a specific; but if this vertue is not owing to its nitre, it is certainly increased by it. These leaves are often used in fomentations.

ABROTANUM FOEMINA, by fome called Santolina and Chamæcypariffus, Lavender Cotton. It has a thick, hard, woody root, from which there proceed branches above a cubit in heighth, which are woody, flender, covered with a hairy down, and divided into feveral branches, round which there are flender leaves about an inch in length, a little denticulated, or rather befet with small tubercles. They are all of a hoary colour, and of a physical smell, with somewhat of a fweetness; the taste is partly acrid, and partly of an aromatic bitter. On the top of each branch there is a yellow flower, confifting of feveral tubuleus floretts, divided at the top into five parts, with imbricated intermediate leaves, and contained in a common fcaly cup. The cup of each florett, or embryo, turns into a fireaked oblong brown feed, not at all furnished with down. These flowers are larger than those of fouthernwood, by which it may be diffinguished from it, as well as by the whole appearance of the plant. This plant is cultivated

in -

1

l

l

1

11

Q

5

11

Ę

ť

ŋ

ċ

Ġ

i.

ł,

٠ż

Ø

đ

1.0

12

12

ž.

ł.

٩Ŀ

Q

in gardens, and may be propagated by planting flips or cuttings during the fpring, which fhould be put into a border of light fresh earth, and watered and shaded in hot dry weather, until they have taken root. It is of little use in medicine, except in fomentations as the former.

git T

., '

n,

G

5,

ά,

X |

k

61 F.

5

P

Ø,

į

ŋ.

1

c

č

ņ

1

1

1

۶,

6- 1 A . 1. -

by

ý,

d

12

a 2

ABSINTHIUM VULGARE, common Wormwood, has a lignous and fibrous root, with stalks of an indeterminate height, branched out into many fmall fhoots, with hoary leaves of a bitter tafte, and furnished with fpikes of naked flowers, hanging downwards, which are placed in long rows towards the top. They are compoled of many tubulous floretts, divided into five parts at the top, and are of a yellow colour ; and they are all contained in a common fcaly cup, in each of which there is an embryo, which turns into a naked feed. It differs from other forts of wormwood in having larger leaves and more jagged. It is very common in all parts of England by the fides of high roads and in dunghills. It is planted in gardens for common use, and may be propagated by flips in March and October; or it may be raifed from feeds, which may be fown foon after they are ripe. Wormwood has always been looked upon as a valuable medicine, to promote the heat and circulation of the blood, and to recover the ofcillation of the fibres while sluggish; by which means the gross humours are attenuated and brought back into the common road of circulation. It reftores the debilliated functions of the viscera, and is an excellent flomachic. It is good in the dropfy, green fickness, cachexies, and agues; which laft it has often been known to cure. It also by its great bitternels is of fome fervice against worms, by refolving the mucilaginous humours in which their eggs are contained; however, in all hot difeafes and in inflammatory dispositions it is not fafe. The dried flowery tops when reduced to powder, may be given from a scruple to a dram; though it is feldom prefcribed in fubfance, but in bitter wines often ; when infused in wine it will be ready in a night's time. When this plant is burnt to afhes, and diffolved in water, a lixivious falt may be obtained from it, by evaporating it to a drynels. It

06

It is of a reddifh colour, and is directed by fome to be calcined over again, but then it will be much leffened in its virtues, which are in a great measure owing to the effential oil remaining in it. It is a good febrifuge, and has been given very fuccessfully against tertian agues. The dole is from a foruple to half a dram, diffolved in a fufficient quantity of liquor, and should be repeated feveral times in a day.

ABSINTHIUM MARITINUM, Sea Wormwood, has leaves much finaller than the common, and they are hoary on the upper fide as well as the lower. The fialks are also hoary all over, and it grows wild about falt mashes and near the sea coasts. The vertues are much the same as those of the former.

ABSINTHIUM ROMANUM, Roman Wormwood, differs much in appearance from the former. It has a great number of fmall and woody roots full of fibres, and the stalks are about a cubit in height, which are round, fmooth, greenish, or of a reddish green or purplifh colour. They are full of leaves from the top to the bottom, which have much the fame appearance as those of fouthernwood, only they are shorter. The flowers are much like those of common wormwood, but lefs. It is cultivated in gardens, and may be eafily raifed by the planting and cutting of flips in the fpring or autumn. The roots of this plant creep fo much; that they will foon fpread over a large piece of ground. It is not fo bitter as the common wormwood, but is more aromatic; for which reason it is more agreeable to the tafte. It has the fame vertues of the common wormwood, but weaker.

ACANTHUS, BRANK-URSINE, has a thick flefhy root, black without, and white within, from whence proceed great numbers of fibres. The leaves that lie on the ground are a cubit in length, and a fpan in breadth; but the flalks rife to two cubits high, are flrong, and adorned with a long row of flowers elegantly difpoted like a thyrfis. The leaves are fomewhat like those of a thiftle, and after them the *Romans* adorned the capitals of the *Corimbian* order of columns; that is, with the fhape of these leaves; they were likewise imitated by embroiderers, ľ

ti

ka

0ġ

a

20

ġ1

b.

d.

17

Îĸ

æ

z

z.

11

e.

и

D.

۵

œ

'n

Ċ,

ы к)

3

97

embroiderers, in the time of Virgil. The flowers are labiated, and are of a fort of a flefh colour; the under lip of the flower is divided into three fegments, which at the beginning is curled up in the form of a fhort tube. There is no upper lip, but in its place there are stamina that support the pointals; and the cup of the flower is composed of prickly leaves; the upper part of which is bent over like an arch, and fupplies the defect of the upper lip of the flower. The piftil arises from the hinder part of the flower, and turns to a fruit in the shape of an acorn, that is divided into two cells, each containing a fingle fmooth feed. The whole plant is full of a glutinous and mucilaginous juice. It grows fpontaneoufly in Sicily and Italy, but is here cultivated in gardens, and is eafily propogated by parting the roots in February or March, or by fowing the feeds at that time. The uses are much the fame as those of mallows, it being an emollient; however it is feldom used in medicine.

ACETOSA, common Sorrel, has a long, fibrous, yellowish, bitter root, and leaves placed alternately on the stalk, that are in the shape of a spade. The stalk is ftreaked, a foot in length, and is divided into feveral branches. The impalement of the flower is composed of three small leaves that are bended back, and the flower has three leaves which are larger than those of the impalement. In the center of the flower is a three cornered pointal, or piftil, fupporting three fmall ftyles, which are attended with fix stamina. It afterwards becomes a triangular feed, inclosed by the petals of the flower; in fhort it agrees with the dock in all its characters, except in having an acid tafte. It is but a fmall plant in the fields, but in the gardens it produces large leaves. It must be fown early in the fpring, in a fhady moift border ; and if they are afterwards planted out into another shady border, they will produce still larger leaves, and continue longer. The medical vertues are to cool and quench thirst, and their decoction makes a useful drink in fevers. It is excellent against the fourvy, and in fome cold countries they employ a VOL. VI. mixmixture of the juices of forrel and fcurvy grafs against this difeafe with fuccess.

ACETOSA ROTUNDIFOLIA, round leaved or French Sorrel, has the fame characters as the former excepting the leaves, which are now and then almok round. This is the beft fort for the kitchen ufe, for which reason it is often planted in gardens. The roots are very apt to spread, by which means it is easily propagated, and must be planted at larger diffances, that is, a foot square at least. It is a cooler like the former, and quenches thirst as well as excites an appetite. The decoction of it is good in bilious fevers. The juice has been given for spring agues, to half a pint, when the fit is coming on; however we have better medicines for this purpose.

. ADIANTHUM VERUM, the true or French Maidenhair, is a capillary plant, and has a flefhy fibrous root, from whence arife flender, black, fhining, branched pedicles, above a palm in height, that fuffain leaves placed alternately, that are about a quarter of an inch broad, and fomewhat fhorter; they are green, creited, fmooth, and ftreaked as it were with rays, and are like those of coriander. It feems to be without feeds ; however in September certain notches appear in the leaves, which adhere to each other, and they contain a fruit, or round membranaceous capfula, which is very finall and furrounded with an elastick ring, which by its contraction opens the capfula, and which then emits a feed like duft, which is too fmall to be examined by the naked eye. It grows fpontaneoufly in the northern parts of France, and continues green all the year. This herb was formerly celebrated for its pectaval vertues, but is now greatly neglected, only there is a fyrrup made therewith, which is fold in the coffee houses, and called capilaire, but it is generally supposed to be counterfeit.

¢

i

18

6

5

â

à

E

201

18

۱

Ì

Ę

ĉ

AGERATUM, MAUDLIN, has a woody root, varioufly contorted, and as thick as one's little finger, from which proceed numerous fibres; from this azifes ftalks a cubit high, which are flender, round, branched, and of a_reddiff colour, though fome are of a pale green. There

There are a vaft number of narrow leaves, an inch or two in length, and deeply ferrated on the edges; on the top of the branches there are bunches composed of radiated yellow flowers, whole difk confifts of many floretts, but the borders are composed of half floretts, the embryces are lodged in the flower-cup, which is fcaley, and each becomes one flender feed of a pale yellow colour. It has been supposed to open obstructions of the viscera, being taken in infusion or decoction, but is now little used for that purpose.

AGNUS CASTUS, the Chafte-tree, is a shrub full of branches, fo tough that they are not eafily broken. The leaves are joined to a pedicle an inch or two long, and digitated or divided into five particular leaves, of an oblong shape, and sharp at both ends. The flowers grow in spikes, and are of a purple, or purple and white colour. They confift of one leaf, which looks as if it had two lips, and the fore part is tubulous. From each calyx arises a pointal, or pistil, which is fixed on the back part of the flower like a nail, which afterwards turns to an almost spherical fruit like pepper, divided into four cells, containing oblong feeds. It is cultivated in gardens, is very hardy, and may be propagated by planting the cuttings early in the fpring, before they They require a fresh light foil, and must be fhoot. frequently watered till they have taken root. They will grow to eight or ten feet high, and they flower in autumn ; and the flowers grow in fpikes at the extremity of every ftrong fhoot. This fbrub has been formerly celebrated for reprefing unchaste defires; but fome rather think it has the contrary effect; however it is acknowledged to be good in hyfterical complaints, and in hypocondriacal spasms, especially if they proceed from groß viscid humours. The feed, in powder, is given from half a dram to a dram, or in an emulfion.

5

à

ί.

e

÷,

jî,

1.

;

ė

ŕ

b

sk je

d

-

2. 3

i

cł

3.

7

AGRIMONIA, Agrimony, has a blackifh, thick, fibrous root, and a hairy branched ftalk, two cubits high, with leaves above a palm in length, alternately placed, which are rough, hairy, pennated, and grow alternately on the branches. The calyx, or flower-cup, confifts of one leaf, which is divided into five fegments, F a and

and the flowers, which have five or fix leaves, form a long fpike, which expand in the form of a role, and are of a yellow colour. The fruit is oblong, dry, and prickly like a burdock, and in each there are two kernels. It is common in the hedges in many parts of *England*, and is noted for its attrictive quality. It is faid to be good in the cachexy, dropfy, jaundice, and in fevers arifing from the obftractions of the viccera. It is allo good in ulcers of the kidnies. The dose of the dried leaves is a dram in a proper vehicle.

ALCEA, Vervein Malbrws, has a woody whitifn root, from whence proceed feveral stalks to the height of a cubit, which are round, full of pith, and thinly befet with longifh hair. The leaves that proceed from the root and lower part of the stalks are roundish, with incifures on the edges; but those that grow near the top, and placed alternately, are remarkable jagged, and of a blackish green colour and hairy, particularly on the lower part. The flowers are like those of mallows, and of a purplish flesh colour, though they are fometimes white; they are fucceeded by feeds, which are black when ripe, and are shaped like those of mallows, and have the fame faculties as that plant.

ALCHIMILLA, Ladies Mantle, has a root as thick as one's little finger, and is fibrous and black; from whence arife long pedicles, a palm and a half in length, which are hairy, and each fultain a fingle leaf, nearly like that of mallows, but more hard and crifp, and divided into eight or nine acute angles. The cup of the flower is divided into eight fegments, which are expanded in the form of a ftar; the flowers are collected into bunches on the top of the stalk, which confist of feveral stamina with yellowith heads. The calyx becomes a capfula, containing generally two little round yellow feeds. It delights in mountainous places, fuch as the Alps and Pyranees. It also grows wild in some parts of England. This plant is faid to have an aftringent and glutinous property, and to be good for internal ulcers, and the whites in women, as well as fpitting of blood; but it is feldom made use of. The dose is a dram of the leaves in powder.

Digitized by Google

ALKE-

1

5

e

d B

k

cí

ę.

ſ

ALKEKENGI, the Winter Cherry, has a geniculated root befet with fmall fibres, from whence arife reddifh hairy branched stalks, a cubit in height, from the knots of which arife two leaves with long pedicles. The leaves are like those of garden nightshade, and the flowers confist of one leaf, expanded at the top, and of a whitish colour, but of a pentagonal figure. The fruit, which is about the fize of a cherry, is inclosed in the flower-cup, and fwells over it in the form of a bladder. The fruit is only in use, and is good to promote urine, as well as to cleanfe the kidnies and bladder. From three to eight of these cherries may be taken as a dose, and are faid to have had a very good effect in preventing the gout, when eight of them were taken every change of the moon. It is very common in English gardens, and the fruit, which is ripe in October, often continues till the beginning of December. It is of the fize of a common cherry, and of a fine red colour; the bladder that incloses it is of a deep red, which burfls when ripe, and exposes the fruit to fight. It may be propagated by fowing the feeds in the fpring, or by the roots, which creep very much, fo as to overfpread a large tract of ground; and therefore they fhould be placed in pots, and fet in a fhady place in fummer. If well watered in dry weather it produces great numbers of cherries.

ALLIARIA, Jack by the hedge, or Sawce all alone, has a flender, white, lignous root, that has a garlick fmell, from whence proceed stalks to the height of a cubit and upwards, which are round, flender, hairy, ftreaked and folid. The leaves at first are round, like those of ground ivy, but much bigger, and asterwards they have a fort of a point, are crenated on the edges, and are fmooth, and of a pale green colour, with fomewhat of the fmell and tafte of garlick. They are placed in no regular order, and at the top there are many flowers, conflitting of four white petals, from whole flower cup arifes a pistil, that turns to a fruit, or membranaceous round pod, with a partition in the middle, to which two imbricated valves adhere on each fide, divided into two cells, full of oblong, roundifh, black feeds. It is common in hedges and shady waste places, and flowers in May

May and June. It is good in cold fcurvies, and in conflitutions that abound with acids. Outwardly the juice is good in putrid and fordid ulcers. If the herb has been dried for a day in the fhade, and then bruifed in a mortar and the juice expressed, it will keep in bottles for feveral years with oil at the top.

ALLIUM, Garlick, has a bulbous root, confifting of feveral membranes, and is of a whitish colour, with a purplish caft. The leaves are oblong, and not fiftulous as in onions, but like grafs, and the flowers confift of fix whitish leaves, with a piftil in the middle, which turns into a roundifh fruit of the fize of a pea, and of a purplish colour without, but the pulp within is whitish. It is divided into three cells, full of roundifh and blackifh feeds. Garlick is proper to warm and stimulate the folids, and to diffolve the grofs clammy fluids, whence it is good in cold constitutions, and in moist afthmas, as well as all defluxions on the breaft. It has been found very ferviceable in the dropfy, for it will fometimes cure it without any other medicine. It may be given alone or in a decoction, or made into a fyrrup; but it must be avoided in all inflammatory dispositions and hot difeases. Some advise a third part of a head in infusion, and some, as Simon Pauli, have prescribed no lefs than three or four heads, and the juice of one head. It may be eafily propogated in gardens, by planting the cloves, or small bulbs, in August or September, about four or five inches from each other. In the middle of June the leaves should be tied in knots, to prevent their running to feed, and then the bulb will be greatly enlarged. Towards the end of *July* the leaves will begin to wither, and then the root should be taken out of the ground and hanged up in a dry room.

ALNUS, the Alder tree, is ftrait and upright, and of a moderate thicknefs, with a rough, brittle, blackifh bark. The wood is reddifh, foft, light, eafily worked, and the boughs are very brittle. The leaves refemble those of the hazle, and the male flowers, or catkins, are produced at remote diffances from the fruit, which is scaly, conical, and of the fize of a hazle-nut. The bark, catkins, and fruit, are aftringent, and the decoction

tion has been prefcribed in inflammations of the tonfils, as a gargle. Some recommend the bark in intermitting fevers.

ġ

d

z ź

ł

1

1. 1

1

ì

ALSINE, *Chick weed*, is well known to every one, and therefore needs no defcription. It has been recommended in various difeases, but the effects have been found too weak to do any great good; however Simon *Pauli* prefcribes the decoction of it against the itch, with a small quantity of a fixed falt.

ALTHÆA, Mar/b mallows, has a great number of white roots, about as thick as a finger, which all proceed from one head. The stalks are a cubit or two in height, and are flender, round, villous, and befet with leaves alternately, which are roundifh, but fharp at the end, hoary, and belet with a foft down; they are about three inches long, and are finuous and ferrated. The flowers come out between the pedicles of the leaves and the stalk, and are of a pale reddifh colour. They are monopetalous, but divided into five fegments, almost to the center, in which is a pyramidal tubulous flyle, loaded with stamina; and in the cavity there is a pistil, which turns into a round flat fruit, confifting of feveral capfula, disposed like a ring about the cake in the middle. Marshmallows is very much in use to abate the acrimony of the urine; in diforders of the lungs, to thicken a fharp falt defluxion ; and confequently is good in hoarfeneffes, coughs, catarrhs, and the afthma. It is likewife good in erofions of the inteffines, its decoction being drank, or given in glifters. It is also good for fostening hard tumours, and easing pain. The leaves are much preferable to the roots. Syrup of marsh-mallows is a medicine commonly known, and is often prefcribed to render the urinary passages flippery to those who are troubled with the gravel.

AMYGD ALUS, the Almond tree, has firong branched roots, with a rough trunk, and leaves like those of the peach tree, which are sharp at the ends, and erenated on the edges. The flowers are rosaceous, confisting of five petals, of a whitish, or light purplish colour; the calyx is fingle, but divided into five fegments, with a pissifil that turns to a fruit an inch in length, which is long and F 4

flat. The outer coat is thin and pretty dry when ripe, under which is a shell that is not fo rugged as that of the peach. As for the almonds themselves, they are too well known to need description. When they are bruifed they yield a large quantity of limpid oil, and when made into an emultion with water, they have a fweet pleafant tafte, but if it be kept long it will turn four like milk. Sweet almonds when fresh, are nourishing, but they fhould be well chewed before they are fwallowed. They are best when fresh, and smooth on the outfide, but extremely white within, and of a fweet agreeable tafte, for age renders them rancid, wrinkled, and yellowish on the infide. In all medicinal uses they should be blanched, that is, the outer skin should be taken off. The emuliion of fweet almonds is prefcribed in burning fevers, too great watchfulnefs, heat of urine, and inflammations of the kidnies and bladder; as well as in all cafes where the acrimony of the humours is to be corrected. Likewife the oil of fweet almonds, newly expressed, is given for the same purposes, and to soften and relax the indurated fibres in inflammations, heat and fuppression of urine, in pains of the cholic, and fits of the gravel; as also in coughs, to promote expectoration. It is given from one to four, and in fome cafes to eight ounces, and should be repeated every third or fourth hour. When children are griped it should be given by ipoonfuls, mixed with fyrup of marsh-mallows.

AMYGDALUS AMÁRA, the bitter Almond tree, agrees with the former in all respects, except the bitternels of the fruit. They have been found to be poisonous when given to dogs and fome other animals, but they may be eaten by men without any damage. The oil that is expressed from bitter almonds, differs in little or nothing from the former, and may be used in the fame cases; as also for fostening the wax in the ears, when put therein with a bit of cotton wool. Some use it to take away freckles, and to preferve the smoothnels of the fkin of the hands; for which purpose it is much better than some. The almond-trees are chiefly valued for the beauty of their flowers, which are produced early in the fpring, and make a fine appearance. They are propagated by inocula-

-inoculating one of their buds into a plumb, almond, or peach flock, the latter end of *July*. The beft feafon for transplanting these trees into a dry gound, is when the leaves begin to decay, but for a wet foil, in *February*.

n, c

) 2

a H

D

1

εđ

d

đ

2

į.

1

bī.

. .

đ

EB >

II II

ų

;;

ü ki,

jo 11

听好的

ANACAMPSEROS, Orpine, Live-ever, or Rose-root, has a root confifting of feveral white flefhy tubercles, and upright, round, folid flalks, divided into a few branches, a palm or two in height, on which are many fleshy, thick, juicy leaves, like purslane or houseleek, of a The flowers bluish green colour, with a reddish cast. are placed on the top of the stalks in umbels, and are rofaceous and reddifh, with five petals, and feveral fmall stamina. A pistil arises from the flower-cup, which turns into a fruit, confifting of five capfulæ, collected as it were into a head, which are full of hard feeds. It much refembles horfeleek. It is now never given inwardly, and but feldom employed outwardly, though it is faid to be good to heal fresh wounds, and cleanse ulcers. However the juice is commended by Hoffman against ulcers of the womb.

ANAGALLIS MAS, male Pimpernel, has a white fingle root, with a few fibres, and the italks are fo weak that they lye on the ground ; they are of the length of a palm, are fquare and fmooth, and the leaves are placed by pairs, and fometimes three at a time oppofite to each other; but they have no pedicles. The lower furface is fpotted with blackish red spots; and the flower confitts of one leaf, fhaped like a wheel, and divided into five fharp fegments, which are of a purplifh red colour, with purple stamina, on which are yellow heads. The flower-cup is also divided into five parts, from which a piftil arifes fixed in the middle of the flower like a nail, and turns to a fruit, or globous shell, which when ripe opens transversely into two parts, one of which lyes upon the other, and incloses many angular wrinkled feeds. This is one of those called the fleeping plants, whofe flowers open about eight o'clock in the morning, and never clofe till paft noon.

ANAGALLIS FOEMINA, Female Pimpernel, differs only from the former in the colour of the flower, which is blue, and the former is common in our corn-fields,

Fς

but

but this is more fcarce. The male pimpernel is used as a fallad and a pot herb in many parts of *England*; though it is by fome recommended as an excellent medicine against madness, and the epilepsy, and then the juice must be exhibited to four ounces thrice a day; but it is not now depended upon for any such purpose.

ANETHUM, Dill, has a flender white fibrous root, with a branched ftalk, a cubit and a half in length ; the leaves are like those of fennil, but lefs, and of a bluish colour, with a strong smell. The flowers are placed at the top of the stalks in umbels, and are roseaceous, confisting of five yellow petals, whose calyx or flower cup is changed into two palish yellow feeds, which are oval, flat, streaked, and have a foliaceous border. It is propagated from the feeds, which should be fown in autumn, foon after they are ripe, and thrive best in a light foil, where they are to remain, for they will not bear a removal. The feeds are only in use, and they have been commended in the flatulent cholic, and against wind. The effential oil is a carminative, and is given from two to four drops on a lump of fugar.

ANISUM VULGARE, Anife, has a flender annual fibrons white root, with pleafant green leaves, above an inch in length, which are divided into three parts, or particular leaves, which are imooth and crenated. On the upper part there are many divisions, and the stalk is ramous, ftreaked, hollow, and fuftains flowers disposed in an umbel, which are fmall, rofaceous, and confift of five cloven white petals, with the flower-cup, that turns into an oblong turbinated fruit, in which are two small gibbous streaked feeds, of a greenish ash colour. The tafte and fmell are fweet and very agreeable. The feed is only in use, which contains a great deal of effential oil. It is numbered among the four hot feeds, and is recommended for the helping of digeftion, in the wind, cholic, and in fhortness of breath. It is good for gripes in children, and to increase milk in the breasts of nurses. The dofe, in powder, is from a fcruple to a dram, and that of the effential oil, from two drops to twenty.

Digitized by Google

ANONIS

ŝ

Ń

D, ġ.

ij;

g.

Ľ,

ł;

fı

at k

a

ł,

10

J.

z

31

đ 0

5

Ki,

6

Ξ,

Ð

Įſ. k

Q.

pd

d,

Ő

¢.

D,

ß

ud -

ANONIS five ONONIS, Reft Harrow, has roots above a foot long, which creep every way, and are not eafily broken. The stalks lye on the ground, and are flender, tough, reddifh, hairy, and full of prickles; they are beset with leaves, placed three together alternately, and they are roundifh, flightly crenated, hairy, of a dark green colour, and glutinous to the touch. The flowers are papilionaceous, of a light purple, or flefh colour, and grow in fpikes at the top of the branches. The piftil is near a quarter of an inch long, and confifts of one bivalved flat capfula, containing a fingle feed in the fhape of a kidney. It is accounted to be a diaretic, to open obstructions of the liver, and to cure the jaundice. Some affirm it is a diuretic, and that it is good in suppression of the urine; but others deny it, and acquaint us, that it fometimes brings on the heart-burn. The dole of the root or its bark in powder, is given to a dram, and in decoction to half an ounce ; but it is now out of use.

APARINE, Goofe grafs, or Clivers, has a stender fibrous root, with slender, quadrangular, geniculated, rough, climbing stalks, three or four cubits long every genicula, or knee, there are from five to feven leaves placed like a flar, which are narrow, rough, and terminate in prickles. The flowers proceed from the knees towards the top, and are very fmall, white, monopetalous, in the fhape of bells, and divided into four fegments, as well as the flower-cup, which turns into a dry, hard, cartilaginous fruit, covered with a thin blackifh fkin, and they confift of two globes full of umbilicated feeds. It is met with almost every where in hedges. It is inciding and aperient, and not only promotes urine but fweat, two ounces of the juice have been found to be very ferviceable in the droply, carrying off the water by urine.

APIUM PALUSTRE, Smallage, has a thick, whitifh, ftrait root, descending deep into the ground, and is fometimes deeply divided into different heads; it has an acrid, bitter, difagreeable tafte, with a firong aromatic fmell; from whence proceed many leaves standing upon long pedicles; they are reddifh, ftreaked, concave, and F 6

are

are divided into wings, or grow upon a branched rib; they are also cut into five fegments, and are fmooth, neat, juicy, and of a pleafant green; when rubbed with the fingers they have a firong fmell, and the taffe is not very agreeable. The flowers proceed from the joining of the pedicles to the ftalk, as well as the top, where they are collected into an umbel, and are fmall, rofaceous, and confift of five white petals, and the calyx turns to a fruit, containing two very fmall feeds, which are ftreaked, afh coloured, deprefied on one fide, and gibbous on the other. It delights in moift marfhy places, and is by forme transplanted into gardens. It is faid to attenuate grois humours, and open obfinuctions of the viscera; but at prefent it is difregarded. The feeds are reckoned among the four leffer hot feeds.

AQUIFOLIUM five AGRIFOLIUM, the Holly-tree. is a shub universally known, it being an ever green, and was formerly very much planted in gardens, as an ornament. The wood is hard and folid, and is fo heavy it will fink in water. The flowers are fmall, monopetalous, and divided into four fegments, with as many stamina, and a flower cup divided into four parts, from which a piftil arifes, fixed into the hinder part of the flower, like a rail; it changes to a foft fruit, or berry, which is round, imbricated, and red, and is full of whitish stores. The manner of raising this shrub, is by fowing the berries as foon as they are ripe, where they will continue a year and a half before they fpring. The best time of transplanting this tree is in the beginning of April, in moift weather, and then there will be little danger of their growing. It was formerly used as a medicine, but is now entirely laid afide., Some ufe the bark for making bird lime.

AQUILEGIA, Columbines, has a white root an inch thick, which is branched and fibrous, and of a fweetifh tafte. It has leaves like meadow rue, they being cut on the edges, and are bluifh underneath, but above of a dark green, with a bluifh caft. The flowers are pendulous, and confift of many petals unlike each other; ficm the middle of the flower arifes the piftil, befet with flamina, which turns to a membranous fluit, confifting

a.

ı

\$ 2

ġ

C?

ø

ny

k b

ñ

þ

'n

n

а,

3,

23

٧.

r

ŋ,

Ŋ

ŋ k

á

de,

1

k

d

1

j,

1

¢

;;

£,

Ŀ

g

fitting of many hufks, or pods, each of which is full of black fining feeds. The colours of the flowers are various, as blue, red, white, flefh coloured, and green, upon which account it is cultivated in gardens, and they flower in May and June. For raifing them, the feeds flould be fown in a nurfery-bed in September, and in March following the young plants will appear above ground, which flould be transplanted in the middle of May into good frefh earth, and fet at nine inches diftant every way. At Michaelmas they may be removed into the borders of a flower garden, and the May following they will produce flowers. It has been looked upon as an aperient and fudorifick; but it is now out of nfe.

ARGENTINA, Silver Weed, or Wild Tanfey, has a blackish root, which is sometimes single and sometimes fibrous; and the leaves are conjugated like agrimony, and they are deeply dentated on the edges; they have feveral fmall leaves fet between them, and the upper part is of an herbaceous green colour; but the under like that of filver, they being covered with a foft down. The flowers are placed fingly on long hairy pedicles, and confift of five petals of a gold colour, with a calyx divided into five fharp parts, between which are many fmall ones; and there are many flamina of the fame colour, with apices or heads thereon. The pittil changes into a spherical head, a quarter of an inch in diameter, full of feeds of a yellowish colour, and like those of poppies. Many physicians have a great opinion of this herb; for Boerhaave affirms it has the fame vertues as the Peruvian bark, and Hoffman that it is good in fluxes of the belly ; likewife Geoffroy tells us it will ftop hæmorrhages of every kind, and confequently is of great fervice in fpitting of blood. The dole of the juice is from four ounces to fix, and of the feeds to half a dram. The roots are eaten by country people because they have a fweet tafte like a parfnip; and it is observable that hogs are very fond of it.

ARMENIACA MALUS, the Apricot-tree, has roundifh acuminated leaves, ferrated on the edges, and four or five of them are placed together. The flowers, that

Digitized by Google

hat come out early in the fpring, before the leaves, are rofaceous, confifting of five whitish petals, disposed in a ring, with a calyx divided into five fegments, from which a piftil arifes that turns to a fleshy fucculent fruit, very well known. There are feven forts cultivated in the English gardens, which are, I. The Malculine Apricot. that is the fooneft ripe of all, and has a small roundiffu fruit, of a red colour towards the fun, which as it ripens fades to a greenish yellow on the other fide. It is only valuable for being fooneft ripe, for it has little flavour. II. The Orange Apricot, which is the next that becomes ripe, and is of a deep yellow colour. The flefh is dry, and is better for tarts than for eating. III. The Algier Apricot, ripens next, and is of an oval shape, only a little compressed on the fides. It turns to a pale yellow or fraw colour when the flefh is dry, with a faintifh tafte. IV. The Roman is next, and is larger than the Algier, but not compressed on the fides; the colour is deeper, and the fieth is moister. V. The Turky Apricot is the next in order, because it ripens later than the former, and is bigger than any of them, and has a globular shape. It is of a deeper colour, has a firmer flesh, and a better taste. VI. The Breda Apricot, was brought originally from Africa, and is a large roundifh fruit, turning to a deep yellow when ripe, and is of a deep orange colour on the infide. The flefh is foft, full of fuice, and better tafted than any of the whole tribe. VII. The Bruffels Apricot. is the lateft, it not being rive till near the middle of August, unless exposed to a fouth fun ; however too much heat spoils the taste. It is red on the fide next the fun, with many dark fpots, and of a greenish yellow on the other fide; the fiesh is firm. and of a high flavour, but it often cracks before it is ripe. The best standard trees are those that are about two feet and a half, or three feet in the ftem ; but they may be planted as dwarfs against an espalier, where, with good management, they will produce a large quantity of fruit. These fruits are all propagated by budding them on plumb flalks; and they are all, except the two last, planted against the walls, which should be either east or west. The borders under these walks fhould.

انا

ċ

1

t

,

Ì

ł

2

.

ić T

d,

Ø

ŋ,

1 5 1

ż

σŧ,

k o'

jđ

7i

1

tů be rt

ณี, ตั

Ē

đ

1

ç.

4

k

ц,

fhould be fix feet wide at least, and if the earth be two feet deep, or two and a half at most, it is enough. The foil should be fresh earth from a pasture ground, taken about ten inches deep with the turf, and laid to mellow at least twelve months before it is used, often turning it. The trees that are budded should be but of one year's growth, and if the foil is dry, October is the best month for planting. At Michaelmas, or foon after, when the trees have grown, you must unnail the branches and shorten them, in proportion to their strength; for a vigorous branch may be left eight or nine inches long; but a weak one only five or fix. When they are shortened they should be nailed as horizontally as possible.

With regard to the medicinal uses of apricots, there is little to be faid, only that they agree best with perfons of hot conflictions, for in weak stomachs they readily corrupt, and then produce feverish diforders, which however are easily cured with emetics and purges.

ARTEMISIA, Mug-wort, has a creeping fibrous root. about as thick as one's finger, with a fweet aromatic tafte. The flaks grow to two cubits in height or upwards, and are round, ftreaked, ftrong, ftiff, generally of a purple colour, and covered with thort hair ; they have also pith in the middle, and are branched, with leaves thereon, placed alternately, that are not unlike those of wormwood; they are of a dark green above, and hoary underneath, by which they may be diftinguished from wormwood. The flowers grow on the top of the branches like fpikes, and confift of many floretts of a purplish colour, and divided into five parts, which are comprehended in a fealy cup. Among the floretts there are naked embryoes, which turn into a double capillament, which afterwards, as well as the embryoes of the floretts, turn into feeds like those of wormwood, but have not fo ftrong a fmell. It is generally accounted anti-hysteric, and is very often in ute among the women for female diforders. In fome parts of the kingdom it is used as a pot-herb. The dole of the dried herb is three drams, drank in wine, and is faid to be a good remedy against the hip gout.

Digitized by Google

ARUM,

ò

ŀ

2

10

1

۱

ŧ

Ż

b

h

۵

P

۱.

1

¢

t

(]

;

ARUM, Cuckow Pint, or Wake Rebin, has a tuberole fleshy root, as thick as one's thumb, but roundish, , white, and full of a milky juice ; the leaves are about eight inches long, and fomewhat triargular, and are fomewhat in the shape of the head of an arrow. The stalk rifes to a cubit in height, and is round, streaked, fustaining a membranaceous flower like an ass's ear, contained in a sheath of a whitish green colour, in which is a piftil of a palifh yellow, from which proceed berries, that are almost globous, and disposed into an oblong head; they are of a reddiffi purple, foft, full of juice, and contain a feed or two, that are hard, fmall, and roundish. The whole plant has a most acrid taste that burns the tongue. The fpotted cuckow pint differs nothing from this, except in having white or black fpots fprinkled upon the leaves, and they grow in woods, under hedges, and by the fides of banks in most parts of England. The root is only in use, and when tailed · bites the tongue fo much that it may be felt a whole day. It has many vertues, but is good in ferous diforders, the cachexy, the green-fickness, agues, the dropsy, jaundice, and is excellent in all difeates that proceed from clammy humours, as well as for opening the obflructions of the viscera. It is also good in a moift viscid catarrhal cough, and to reflore the tone of the ftomach. It has this peculiarity, that it will cause those to fweat who can hardly be brought to it any other way, when taken to the quantity of a dram in any good fpirit; but if it be dried and taken in powder, then this medicine will fail. The best way of giving it is by beating the fresh root with gummy refins, and making the mais into pills. Outwardly it is very proper to cleanfe ulcers, particularly those that are fiftulous. The common dose is from half a dram to four fcruples.

ASARUM, Afarabacca, is an ever-green herb, which has a flender, angular, knotty, fibrous, afh coloured root, with a bitterifh, naufcous, aromatic tafte, fomewhat like garden valerian; the leaves are round, fliff, fhining, of a dark greenifh colour, and are fuftained by long pedicles; they are fomewhat in the fhape of an ear, for which reafon they are called in French, Orielle ath homme, ii E

r

g.

ľz

Ľ,

ŗ

i

r,

ų

ĊŻ.

jj,

2

e

5

ç,

r'

į.

d :

¥

3

ſ.

Ŕ

đ

ť,

ŕ

2

۰ ،

d'bomme, that is, man's ear. The flowers are hid in the leaves near the root, and are of a purple colour, which are fcarcely perceivable, except the flower-cup, which is divided into three or four fegments, and of a blackifh purple colour. The fruit is divided into fix cells, full of oblong feeds, that look like the ftones of grapes. It delights in woody places, and is found wild in fome parts of England, though but feldom. The flowers appear in April, which grow fo close to the ground as not to be feen, unlefs you put away the leaves with your hand. It is best raised by flips. The leaves are a ftrong vomit, as well as the roots, working both upwards and downwards, but the leaves are chiefly in use. and that to make a fneezing powder among us. Some pretend it opens obstructions and strengthens the viscera, for which reason they prescribe it in chronic diseases. Some recommend three or four grains of the dryed powder of the leaves against the head-ach, snuffed up the nose going to bed. It will indeed bring away a great quantity of ferum, and the flux will fometimes continue for two or three days together. Geoffroy affirms he has experienced it in the pally of the tongue and mouth, and fays, that a fingle dofe has proved a cure by bringing away a large quantity of ferum ; for which reafon he thinks it will cure those difeases of the head that proceed from a clammy vifcid matter, and particularly the palfy and fleepy difeafes.

ASCLEPIAS, five VINCETOXICUM, Swallowwort, or Tame Poifon, has a root full of fibres, which proceed from a fingle head, and has an acrid, bitterifh, difagreeable tafte, with a naufeous fmell; the flalks are tough, hairy, and geniculated, and rife to a cubit in height; the leaves are placed by pairs over againit each other, and are a little hairy on the edges; they are in the fhape of the leaves of ivy, but are longer, more wrinkled, and have very flort pedicles. From the joints of these pedicles, with the flalk, proceed whitish monopetalous flowers, in the fhape of a bell, and are divided into five parts, expanded in the form of a flar, with five apices of the fame colour, and a cup divided into the fame number of parts, with a piftil fixed in the binder part

part of the flower, like a nail, that turns to a fruit composed of two membranous husks that open from the bottom to the top, inclosing many feeds, that are covered with a fine down, and are fixed to the membrane like fcales on the fkins of fifthes. It has no milky juice like deg's-bane, by which it may be diffinguished from it. It is propagated by parting the roots, either in fpring or autumn, and they will grow almost in any foil. It has been cried up as an antidote against poison, but is now neglected for that purpose. It is much more proper for acute, than chronic, diseases; because it is a gentle refolvent, and promotes both fweat and urine. Authors worthy of credit affirm, it has been given with fuccess in the dropfy, by fleeping half a pound of the root in wine the over night, and boiling it with a confumption of a third part in the morning, and then giving it hot upon an empty flomach, in order to fweat. Some prepare an extract of the root and leaves, a dole of which is from half a dram to a dram and a half.

 $\binom{n}{2}$

12

'n

30

3

1

'n

2

19

Ÿ,

'n

ż

24 - 24

11

, El

4

ŝ

ΪÇ

12 13

fÌt

14

12

h

11

Ċ,

1

Ŭ,

10

10

1

3

h

ASPARAGUS, Afparagus, corruptly called Sparrow-grass, has a great number of roots, proceeding from a fingle head, that are round, flefhy, whitifh, fweetish, and clammy. Early in the spring they emit tender, long. round, green fhoots, without leaves, that are fo well known they need no defcription. When they are grown up they arife to the height of two cubits, and are divided into flender ftrong branches, with green, capillaceous, foft leaves, an inch in length. The flowers are rofaceous, with fix petals of a pale green colour, and a piftil that turns to a foft berry of the fize of a pea, that is globous, purplifh, foft, fweetifh, and contains two or three umbilicated black feeds. It is cultivated in gardens for the use of the kitchen. Afparagus provokes the appetite, but yields little nourifhment, and it gives the urine a particular ftrong fmell. They have little or no medicinal vertues. It is propagated by fowing of the feeds, which should be carefully chosen, for on this the goodness of the crop depends. They must be fown in a bed of good rich earth, but not too thick, and after they are trod into the ground it should be raked over fmooth. Keep the bed from weeds the following

4

٤.,

J

è.

ä

ş ļ

¢ /

5 6

.

α . •

i .

۰.

; .

Ν.

.

following fummer, and at the latter end of October, when the haulm is quite withered, a little rotten dung should be spread over the surface about an inch thick. The next fpring they will be fit to plant out for good, and the ground must be prepared by trenching it well, burying a good deal of rotten dung at the bottom of each trench, that it may lye fix inches below the furface of the ground ; then level the whole plot, taking out all the large ftones. When the foil is dry, and the feafon forward, you may plant them in March, but if wet. in the beginning of April. When the alparagus is come up, which will be in three or four months after planting, you must with a small hoe cut up all the weeds, and thin your crop of onions, when any have been fown thereon ; and this must be done in dry weather. The fecond fpring after planting you may begin to cut the asparagus, but it will be best to stay till the third.

ASPERULA, *Wood roof*, has a flender, geniculated, fbrous, creeping root, with flender, fquare, geniculated ftalks, and fix or feven leaves, difpofed in a verticillated manner, and fomewhat rough; the leaves are like thole of goofe grafs, but broader, and of a palifh green colour. The flowers grow on the top of the ftalks, and are monopetalous, and fhaped like a bell, only they are divided into four fegments, and have a fweet fmell. The calyx turns to a dry fruit, covered with a thin rough fkin, and confifts of two globes. It is reckoned an attenuate, and by a fmall degree of aftringency firengthens the lax fibres of the vifcera; but is now, out of u.e.

ATRIPLEX FOETIDA, Stinking Orach, or Arrach, has a flender fibrous root, from whence generally proceed branched ftalks, about nine inches in length, with roundifh fmall leaves terminating in a point, and are covered over with a mealy whitifh powder. The flowers grow on the top of the ftalks, and are without petals; for they confift of many ftamina, arifing from a calyx divided into five parts, with a piftil that turns into a fingle, fmall, fitning, blackifh, and roundifh flat feed in a capfula, in the form of a ftar. It grows in uncultivated places, and near the fides of roads. It is antihyfterick,

hysterick, and the infusion of the leaves taken hot is an excellent medicine against the hysterick passion.

AVENA, Oats, is diffinguished from other corn by their growing in loofe panicles. There are four forts, the common or white Oats, the black Oats, the naked Oats, and the red or brown Oats. The first fort is most common about London, the fecond in the northern parts, the third in the north of England, Scotland, and Wales, and is effeemed becaufe the grain threshes clean out of the hufk, and need not be carried to the mill to make oatmeal of. The red oats are cultivated in Derbyfbire, Stafford/hire, and Chefhire, and are a very hardy fort. Bread made with oatmeal is not only common in Scotland, but in the northern parts of England, and in the fouth it is in effeem for pottage, and other uses. Those that feed upon it are generally very healthy, which is a fign that it yields good nourifhment. Oatmeal blunts the acrimony of the humours, is cooling, and carries off acrimonious falts by the urinary passages. Flummery, with milk, is used by many as a cooling diet in hot weather; and water-gruel is every where known for its inoffensive properties.

AURANTIA MALUS, the Orange tree, is not very tall, but has a thick, woody, branched root, which fpreads very much, and is of a yellow colour on the infide. The trunk is hard, whitish within, and has an agreeable fmell, and it is covered with a greenish, fmooth, white bark. The branches are numerous, flexible, and of a beautiful green, with a few thorns thereon. The leaves are fomewhat like broad leaved lawrel, and are always green, thick, fmooth, bread, and ending at each end in a point, with a foliated pedicle in the shape of a heart. When held up to the light there appears to be a fort of holes in them like St. John's wort. The flowers grow in bunches, and are rolaceous, confilling of five white petals placed in a ring, with many flamina, which have yellow apices, or heads; at the bottom and center of the cup there is an orbicular placenta, which fuftains a roundifh piftil with a long tube, that turns into a globous fruit, covered with a rind, which is very well known. There are feveral kinds of oranges, as the

Digitized by Google

common



Digitized by Google

OF VEGETABLES.

common Seville Orange, the fweet Seville Orange, the China Orange, the curled leaved Orange, the friped curled leaved Orange, the borned Orange, the common . firiped Orange, the Hermaphrodite Orange, the w llow leaved Orange, commonly called the Turky Orange, the firiped Turky Orange; the Pumple No/e, or Shaddock Orange, the double flowered Orange, the common Dwarf, or nutmeg Orange, the dwarf striped Orange, the dwarf China Orange, the childing Orange, the difforted Orange, the large warted Orange, the flarry Orange, and the Orange with a fweet rind. Many forts of these oranges are cultivated in England, though more for curiofity than the fruit that they produce ; and of late years fome of them have been planted against walls, with frames of glass to cover them in the winter. Likewife fome curious perfons have planted them in the open ground, and have had covers for them, which have been taken away in the fummer; by this means the fruit have ripened fo well as to be extremely good for eating. However in hard winters it is very difficult to preferve them.

Orange peel is an excellent bitter, especially that of Seville oranges, and ftrengthens the ftomach, helps digeftion, attenuates grofs humours, discuffes wind, and eafes cholic pains proceeding therefrom. It is an inpredient in tinctures, called ftomachic Bitters, and is now common in taverns, where they mix it with a glafs of wine and drink it before dinner to create an appetite. This perhaps might be proper fometimes when used sparingly, but it is now turned into a great abuse. The effential oil diffilled from the rind is also proper for the fame uses, when two or three drops are taken upon fugar, as well as the peel, when it is candied. The pulp of fweet oranges is cooling, quenches thirst, and excites the appetite; but the juice of four oranges not only ferves to make a cooling drink in hot weather, but is of late found to be excellent against the fcurvy. Some pretend that a whole fweet orange eaten before the fit of a tertian ague, Will often prevent it.

ì

AURICULA MÜRIS, Moufe-ear, is mentioned among officinal plants, and has feveral stalks proceeding from a fingle root, which are of a fomewhat reddift co-

Digitized by Google

lour, with narrow oblong leaves, having an acute high back, and of a blackifh colour. They are fharp pointed, grow close to the stalks, and from the place where they join the flower's proceed, which are like those of brooklime, and turn to a small black seed. It is astringent, and was formerly in some effecem, but is now quite out of use.

ł

(

1

ġ

ŝ

۰,

1

ľ

1

ľ

•

l

n

BARDANA, Burdock, has a thick fingle firait root, a foot in length, blackish on the outside, and white within, and of a fweetish subaustere taste. The leaves are large, being a foot long and upwards; they are fharpish at the points, hairy, and of a dark green colour, but hairy underneath. The flowers confift of many purple floretts, deeply cut into five fegments, refting on the embryo, which is contained in a cup made up of many scales, that terminate in hooks and bend inward. The embryo turns into an oblong, flat, ftreaked, flattish feed, with short down or rather tufts of hair. It is to be met with every where by the way lides. The root is diuretic, fudorific, pectoral, uterine, vulnerary, and febrifuge. It has been of late greatly recommended against the venereal dilease, as also in the gout. One patient in particular was freed from the gout by taking the decoction of the root, and he made great plenty of urine as white as milk. It is given to a dram in powder, and to an ounce in decoction. The feeds of burdock are of a bitter fubacrid tafte, and are a powerful diuretic, when a dram of them is taken in white wine, or any other proper vehicle.

BECCABUNGA, Brook lime, has fibrous, white, creeping roots, with upright flalks, that are round, fpungy, reddifh, and branched. The leaves are roundifh, imooth, thick, crenated, of a dark green colour, and above an inch in length. The flowers proceed from the places where they join to the leaves, and are placed on fpikes a palm, or a palm and a half, in length; they are monopetalous, but divided into four fegments, and are of a bright blue colour. There are three blue apices, and a piftil that turns into a membranaceous flat fruit, of the fhape of a heart, and a quarter of an inch long. It is divided into two cells, containing many

ą 2

隵

Ľ.

Ŀ,

3

)ŝ

1

١

many fmall flat feeds. This herb has no remarkable tafte, and yet some prefer it to other more acrid antifcorbutics; the dole of the juice is four ounces; but it is best mixed with the juice of oranges, and then it may have a very good effect in hot fcurvies.

5 BELLA DONNA, Deadly Night-Shade, has a thick, long, juicy, whitifh root, divided into feveral branches. T. and the stalks are two cubits high, and are round, as à thick as one's thumb, branched, hairy, and of a reddifh black colour. The leaves are like those of garden \mathbf{x} 12 night-shade, which are twice or thrice as large, and are foft and fomewhat hairy. From the place where 5 16 the leaves join to the stalks, the flowers proceed, which are monopetalous, in the fhape of a bell, divided into ЗĄ 2 five fegments, ftreaked, a little hairy, and of a dark purplish black colour, with five stamina, and as many X. ī, whitish apices. From the calyx it is hairy, and divided into five parts, the piftil proceeds, which is fixed into 36 ជ the hinder part of the flower, like a nail, and turns into a foft round fruit, like a grape, of a fhining black co-П, 1¹¹ lour, and full of a vinous juice. It is divided by a partition in the middle into twoscells, full of many minute 13 oval feeds. It grows in woods, near walls and hedges, ri M and in other uncultivated places. It has generally been reckoned a deadly plant, though of late a great noife has been made about it for the cure of feveral dangerous 1) difeafes; which at length was found to proceed from nothing but its cathartic quality, and therefore had been very justly laid afide. The fruit, or berries, have often proved of dangerous confequence to children who have 1 eat them. They produce a delirium, laughter, various getticulations, and at last madness.

BELLIS MAJOR, the greater, or Ox-eye Daisey, has a fibrons creeping root, with stalks two cubits high, that are crect, of a pentagon fhape, villous, and branched, with flat leaves placed alternately, two inches long, half an inch broad, and crenated. The flowers are large, radiated, and their difk confifts of many gold coloured floretts, divided into five fegments, with a ftyle in the middle of each; but the crown is composed of white femi-floretts, refting upon embryoes, and placed in

in a hemifpherical fcaly blackifh cup. The embryces at length turn into flender, oblong, ftreaked, naked feeds. The heads, after the petals are fallen off, refemble obtufe combs.

BELLIS MINOR, the common Dailey, has many fmall roots, with a great number of leaves lying on the ground, that are flat, hairy, long, and narrow towards the root, fenfibly increasing to the end, where they are roundifh, and they are flightly ferrated. It has no ftalk, but there are many pedicles between the leaves, a palm or upwards in length, which are flender, round, hairy. and on the top of each there is a flower, whole difk is composed of many yellow floretts, and the crown of femi-floretts, of a white colour with a reddifh caft. The embryoes are placed in a fingle cup divided into many The embryoes afterwards turn to fmall naked parts. feeds : It is every where common in meadow or patture lands. Befides these there are the small striped Daisey, the red garden, with double flowers, the white double garden Dai/ey, the double striped garden Dai/ey, the ben and chicken Dailey, the white cock's comb Dailey, and the red cock's-comb Daifey. The garden daifeys are propagated by parting the roots in autumn, and they fhould be planted in gardens of ftrong earth, which are exposed to the east, for the great heats of fummer will fometimes kill them. The leaves of the ox-eye daifey gathered before the flowers appear, yield a decoction of an acrid tafte, not much unlike pepper. It is commended in purvlent fpitting. The leffer daifey has been generally accounted good for internal wounds, and for diffolving and discuffing grumous blood ; a cook that fell into a dangerous althma from drinking cold water while he was hot, infomuch that he was almost fuffocated, was cured with the juice of the tender leaves of the flowers, newly expressed, and taken in wine, which procured fuch a fweat that he was well the next day. The dofe of the juice is from an ounce and a half to four ounces. All authors agree that both the kinds are vulnerary and diuretic; and fome think the latter is excellent against the fcurvy.

Digitized by GOOGLC

BERBERIS,

- ;

ŧ,

2

ð

121

BERBERIS, the Barberry tree, is a tall fhrub, having fibrous, yellowifh, creeping roots ; and the branches are befet with fharp thorns. The leaves are fmall, oblong, narrow at the bottom, but broader towards the top; they are crenated on the edges, and befet with short thorns. They are smooth, green, and have an acrid tafte. The flowers confift of fix leaves, that expand in the form of a role, confifting of fix petals of a yellow colour, with as many ftamina, and a greenish pittil, turning into a cylindrick red foft fruit, one third of an inch in length, and full of an acrid juice, containing one or two oblong kernels. The fruit grows in, clusters, hanging down, and the bark of the tree is whitish. The best method of planting them is to place them eight or ten feet afunder, keeping their middles thin and free from dead wood. The branches should feldom be shortened, but when it is done it must be at Michaelmas, when the leaves begin to decay. The fruit is cooling and aftringent, and proper to ftrengthen the ftomach and inteffines, as well as to excite the appetite. The dofe of the expressed fruit is an ounce, though they are eaten commonly when ripe. The juice, or decoction, abates the inflammation of the fauces and tonfils, and heals loofe rotten gums. Dyers make use of the bark for the colouring yellow. Prosper Alpinus informs us that he steeped the fruit for a day and a night in about twelve times the quantity in water, fweetning the strained liquor with fugar, by which he cured himfelf of a pestilential fever, attended with a great loofenefs, by ufing it for common drink.

į

, ,

1.

i

BERULA free SIUM, Water Parlnip, has geniculated, creeping, white, fibrous roots, from whence proceed ftalks, which are above a cubit in height, which are hollow, round, ftrait, branched, and have many leaves that are fet thereon by pairs, with a fingle leaf at the end; they are fat, fmooth, and cut all round the edges like a faw. The flowers are disposed in umbels, and placed at the end of the ftalk, they are rofaceous, and confift of five white petals placed in a ring. The flower-cup turns to a roundith fruit, containing two fmall ftreaked and gibbous feeds. It delights in and Vol. VI.

near rivulets and ditches. It is accounted an antifcorbutic and aperient, and to open obstructions. Three ounces of the juice is a dose; however it is feldom used in physic, but in some countries is eaten as a fallad.

BETA, white and red Beets, the white Beet has a round, woody, long, white root, about as thick as one's little finger, with large, broad, fmooth, thick, fucculent leaves, fometimes of a pale, and fometimes of a deeper green, with a thick broad ub. The flalks are flender; flreaked, branched, and two cubits high. The flowers proceed from the hollow between the flalk and the pedicle of the leaf, of which there is a long row; and they have no vifible leaves, but confift of many flamina, or threads, which are collected into a globe; the cup of the flower is divided into five fegments, which turns into a globous fruit, containing two or three fmall oblong feeds of a reddifh colour.

Red Beet has a white root, and fhorter leaves than the former, more or lefs red, and fometimes of a blackifh red. This is diffinguished from the former by the number of the leaves.

The *Turnip rooted red Beet*, has a higher ftalk than the common red beet, and the root is two or three inches thick, bellying out; on the outfide it is of a deep blood colour. All thefe beets are cultivated in gardens for the use of the kitchen; but they were in greater effeem formerly than they are at present. However the red beet is still used to ganish disc. They are all propagated by fowing the feeds in *March*, in a deep loofe foil, and they must be heed out after they are come up, fo as to leave them ten or twelve inches: afunder, because they spread very much. The root of the white beet is still valued by the *French*, but yields little nourishment, and it is offensive to the stomach of fome.

BETONICA, *Betony*, has a thick, transverse, fibrous, hairy root, from whence proceed quadrangular knotty ftalks, growing to the height of a cubit. Some of the leaves proceed from the knots by pairs, placed over against each other, and others lye on the ground; they

are

1

ė

, 1

12

13

1

j

ł

1

ì

ł

ľ

ł

į

ġ

13

ł

a

12

1

OF VEGETABLES.

r

t,

۲ 1

1

e

ł

1

t

Ż

í

ş

.

\$

۱ ۱

۰,

• •

٠,

۶

are oblong, villous, wrinkled, and of a darkifh green colour; and are crenated on the edges. The flowers grow in spikes, and are monopetalous, labiated, and of a purplish colour; the upper lip is fulcated, and as it were reclines backwards; but the lower confifts of three lobes, with stamina of the same colour as the former. The flower-cup is cut into five fegments, from whence proceeds a piffil fixed in the hinder part of the flower, like a nail, with four embryces, that change to as many roundish seeds, contained in a capfula, that was the cup of the flower. It is common in woods and fludy places throughout England. Betony is discutient and aperient, and has been always accounted an excellent medicine for the head, and the leaves reduced to powder promote fneezing; for which reafon, and for its being a cephalick, it is always an ingredient in the herb fnuffs. Medical writers in general have been very lavish in praise of this herb, and have affirmed it will cure melancholy, the epilepfy, fpitting of blood, ulcers of the lungs, the quartan ague, the dropfy, itone, and many other difeases; but we do not find at present that it answers expectation; however outwardly it is a good vulnerary, and will fasten loofe teeth.

BE FULA, the Birch-tree, is tall and has many flender flexible branches, which generally hang downwards. The outer bark of the trunk is thick, rough, whitilh, and full of clefts; that which lies next is fmooth, and as transparent as parchment. The wood is white, and the boughs are fo tough and flexible that they are much used for making hoops for cafks; and their twigs are commonly employed for making brooms and rods. The leaves are like those of black poplar, and the catkins are an inch and a half long, and one fixth of an inch thick, confifting of many reddifh leaves disposed like scales. The fruit are placed diffinely on the fame boughs; they at first appear like worms, half an inch long, and one twelfth of an inch thick ; they confift of greenifh fca'es, under each of which are the embryces of the feeds, which when ripe are winged. When the fruit is ripe it appears like a fealy cone, rounded at the extremities, which is always in the autumn, though fome of G 2 them

them may be feen on the trees during the winter. It is remarkable that this tree cafts its outward bark every year. It is propagated by fuckers taken from the roots of the old trees, which is beft done in Ostober; it delights in a poor foil, as well as in gravelly places, marfhes or bogs. The leaves are faid to be aperient, refolvent, and abilurgent; and Simon Paufi informs us that a bath made with the tender fprigs, together with the fap, cured a woman of a most deplorable itch; however it is now taken no notice of in medicine. It is well known that in many parts of England they draw off the fap of the tree for making birch wine, which fome account good againft the gravel, and to prevent its generation.

BISTORTA, Biflort, or Snake-weed, has a thick, oblong, geniculated root, in shape like a finger when it is close bent, and has many hairy fibres. It is of a blackish brown without, and of a reddish colour within. The leaves are oblong, broad, and acuminated like those of the dock, but less; they are full of veins, and of a blackifh green colour above, but bluifh below; the stalks are about a foot in height, and are slender, fmooth, round, geniculated, and befet with a few smaller leaves; for the largest grow at the bottom. The flowers grow like a fpike at the end of the flalk, and are without petals; for they confift of many flamina, with flesh coloured apices or heads. The cup is divided into five fegments, and the piftil turns to a triangular reddifh black shining feed, contained in a capfula, that was the cup of the flower. The root is only in use. It is faid, to be balfamic, vulnerary, and aftringent, and is used in all cafes where aftringency is proper, particularly in hæmorrhages, spitting of blood, and overflowing of the menfes. But as for its being an alexipharmac, and, good in the plague, as fome authors affirm, may be greatly doubted. The decoction of half an ounce to an ounce of the fresh root is a dose, or rather may be taken at feveral times, and the powder may be given from half a dram to a dram, made into a bolus with conferve of roles.

Digitized by Google

BOLE-

5

Ţ,

r C E

e Eg

Ġ

1

1

ŀ

4

.

i.

c

i

21

5

)

: '

: 1

•

5 , 1 125

BOLETUS ESCULENTIUS VULGARIS, the Champignon, is a plant whole flowers and feed are hitherto unknown; it is of the fize of a walnut, or bigger, and has a flefhy fubstance. It is pitted all round, not much unlike a honey comb, and is of a whitish red, or brown. It is hollow on the inner part, and feems to be fprinkled with a fort of mealines, though it is fmooth. It differs from the common mushroom not only in the fize, but by these cavities, as well as by the under fide. The pedicle is entirely white, hollow, and furnished at the end with slender thready roots. The champignon, as well fresh as dried, has a sweetish taste, and is prepared in various manners for the table. Geoffroy affirms it excites the appetite, increases the motion of the blood, and reftores the ftrength, though it yields but little nourishment. They are in great effeem among the French, though fome think all fungus's are bad.

BONUS HENRICUS, the English herb Mercury, has a thick yellowish root, furnished with a few fibres, from whence proceed concave flalks, to the height of a cubit, which are a little hairy; the leaves are triangular, fmooth above, but below fprinkled with a fort of meal, and they have long pedicles placed on the stalks alternately. The flowers, that grow in feveral bunches on the top of the stalks, are small and without petals. but they have feveral yellow flamina proceeding from the flower-cup, which is divided into many fegments. The pittil turns into a fmall feed, in the fhape of a kidney, which is black when ripe. It grows in uncultivated places by the way fide, and among the ruins of old walls and buildings. It is often used for food in many parts of England, and is reckoned as good as fpinage. It is emollient, and has been fometimes ufed as a cataplaim to appeale the pains of the gout, and that without any danger.

BORRAGO, Burrage, has a white, thick, fibrous root, and broad, roundifh, rough, wrinkled, blackifh green leaves, that lye on the ground; but those that are higher are furnished with exceeding small prickles. The stalk is hairy, round, hollow, branched, and grows to the height of a cubit. The flowers, that grow on the top of the Gз branches.

126 THE NATURAL HISTORY

branches, are of a fine blue colour, placed on pedicles, an inch in length, that are crooked and bend downwards. The flowers have only a fingle petal, which is deeply divided into five fegments, fharp at the ends, and placed like a flar; the apices in the middle of the flower are fharp pointed, and adhere together in the shape of a pyramid. The flower-cup is green, hairy, and divided into five acuminated fegments, from which a piftil arifes, fixed in the hinder part of the flower, like a nail; and there are four embryoes, that turn into as many feeds in the fhape of a viper's head. It is common in all parts of England, and is often found in dunghills and on publick roads The feeds of this plant may be fown in the fpring or autumn, foon after they are ripe; it will grow almost in any foil, but that which is dry is best. It is often used in the summer time with balm for making cool tankards, and the flowers are faid to be cordial, and to have many other vertues as well as the herb, that are now difallowed.

ĺ,

X

1

14

ù

ç

, Ľ

ŝ

11

Ê

(k

÷

1

С

£

ti:

k

a'

ų,

ti

û

W

- ti

Į

14

10

2

Ŀ

ą

ł

BOTRYS, Jerufalim Oak, has a small white root, with a few fibres that defcend directly downwards; and the stalk, which is round, stiff, erect, hairy, and furnished with many leaves, alternately placed, is near a foot high. It has leaves like an oak, from whence it has its name. There are a great number of floretts placed on the tops of the branches in long rows, that feem to be clammy to the touch; and they are without petals, for they confift cf stamina arising from a cup, that is divided into five fegments. The feeds are like those of mustard, but less, and are inclosed in a capfula, that was the cup of the flower. The whole plant has a ftrong, but not difagreeable fmell, and the tafte is fubacrid, aromatic, and refinous. It may be propagated by fowing the feeds in an open border of good earth in the fpring. It has been faid to be good against cholics that proceed from wind; but is now out of ule.

BRASSICÆ, Cabbages, are of feveral forts, as the common white Cabbage, the Ruffian Cabbage, the red Cabbage, the flat fided Cabbage, the jugar loafed Cabbage, the early Batterfea Cabbage, the white Savoy CabCabbage, the green Savoy Cabbage, the green Broccoli, the Italian Broccoli, the turnip Cabbage, curled Colewort, the musk Cabbage, the branching tree Cabbage from the sea coast, brown Broccoli, common Calewort, the Cauliflower, the Boorcole, Alpine Colewort, perfoliated wild Cabbage, while Cabbage with a white flower, and the perfoliated wild Cabbage with a purple flower.

Ċ,

r T

ľ

ħ,

i.

R,

3

3

Ş,

ļ

1

i

ł

l.

3

r.,

2

2

.

,

B -

i,

3

x

¢,

ú

; *****

ġ

d:

5,

BRASSICA CAPITATA ALBA, the common white Cabbage, is very well known, and bears, like all the rett, flowers that confift of four leaves, or petals, in the form of a crofs, which are of a yellow, or pale yellow colour, placed in a cup divided into four fegments, from which arifes a piftil that turns into a round, long, flender fruit, or pod, divided by a partition in the middle, and confifting of two cells, full of roundiful blackifh feeds.

BRASSICA CAPITATA RUBRA, the red Cabbage, has leaves like the common cabbage, but the colour is various, for fometimes they are of a blackish purple, fometimes of a greenish black, and at other times more greenish; but they have all red ribs and nerves.

BRASSICA RUBRA VULGARIS, the common red Cabbage, is taller than the former, and has a ftalk that grows fometimes to the height of two yards, which is thick, of a blackifh purple colour, and warty on the lower part. The leaves are irregularly placed, and are all of a greenifh red, with fome fhades of blue, and wrinkled, with thick veins. The flowers that grow on the top of the ftalks are yellow, and change into pods a palm in length, that contain red round feeds. The leaves are not collected into heads as the former, but continue expanded and open. It ftands the winter very well, and in fome fenfe grows as high as a tree, continuing feveral years. The ends of the branches in the fpring are eaten as a fallad.

BRASSICA ALBA CRISPA, the white Savoy Cabbage, has round extremely wrinkled leaves, which feem to be divided into cells, and have fhort pedicles. They are collected into a small whitish head; but their extremities are of a dark green. The flowers and feeds are like the former.

BRA-

BRASSICA CAULI-FLORA, the *Caulifower*, has large leaves, half a yard in length and upwards, which are fharper than those of the common cabbage, but not fo broad; they are of a light green with a bluish caft, and the nerves on the outsides are whitish. The leaves are collected into a head, but not fo close as a cabbage, between which there is a heap of thick whitish loss flowers, that are generally in great effreem. When they are not gathered for the kitchen, they arise to a confiderable height in time, and turn from flowers to pods like the former. These are all the forts mentioned by medicinal writers, for the reft are only for the kitchen.

The common white, red, and long fided Cabbages, are chiefly cultivated for winter use, and the seeds must be fown at the end of March in beds of good fresh earth ; and towards the end of April, when the young plants have about eight leaves, they should be pricked out into shady borders, about three inches square, to prevent their being long shanked. They should be transplanted in the latter end of May to the place where they are to grow, and should be set in rows, two feet and a half diftant. If the feafon should prove dry when they are transplanted, they must be watered every other evening, till they have taken fresh root. As they advance in height, the earth must be drawn about the stems with a hoe, which will greatly ftrengthen the plants. Some of these cabbages will be fit for use not long after Michaelmas, and the reft will continue till the beginning of March, if not destroyed by bad weather ; to prevent which the gardeners near London pull up their cabbages in November, and trench their ground up in ridges, laying their cabbages against the ridges as close as possible on one fide, and bury their ftems in the ground. They are suffered to remain in this manner till after Cbrismas. when they cut them for the market.

The Ruffian Cabbage, is not fo much in effeem as former'y, it being now only to be found in gentlemens gardens. It muit be fown in the fpring of the year, and managed as the former; only they muft be fooner planted out for good in an open clear fpot of ground, and much clofer together; for it is fmall and hardy. They 1

l

;

ft

will be fit for use in July and August, after which they will run up to feed.

na ž

į,

¢

2

x

Ń

R

10 11

d

а, У

2

1

:

g 🖯

s -,

¢

Ĭ

5

i ;

The Batterfea, and Jugar loaf Cabbages, are for fummer use, and are usually named Michaelmas cabbages. The feeds are to be fown in the beginning of August, in an open fpot of ground, and when they have eight leaves they must be pricked into beds at three inches distant every way. Towards the end of October they must be planted out for good, two feet and a half distant from each other, and the rows must be three feet asunder. In the fpring the earth must be drawn up about the flem with a hoe, and in May their leaves will begin to cabbage, to promote which they may be tied together with a flender ofier twig.

The Savoy Cabbages, are progagated for winter use, for a frost is thought to make them better. They must be fown about the middle of April, and cultivated in the fame manner as common white cabbage, but fomewhat nearer to each other.

The BRASSICA FIMBRIATA, that is, the Boorcole, may be treated in the fame manner, but need not be planted above a foot square. These are never eaten till the frost has rendered them tender; for otherwife they are tough and bitter. The feeds of the feveral kinds of broccoli fhould be fown the latter end of May or beginning of June, and when the plants have eight leaves they fhould be transplanted into beds as the common cabbage, and at the end of July they will be fit to plant out for good, which should be in a sheltered spot of ground, but not under trees, and about a foot and a half diftant each way. Towards the middle of December they will begin to fhow their fmall heads, which are fomewhat like a cauliflower, but of a purple colour; and they will continue to be fit to eat till the beginning of April. The brown fort should be fown in April, and be managed like the common cabbage; it will grow tall, but has not so perfect a head as the Roman broccoli. The Naples broccoli has a white head like a cauliflower, and eats like it.

The Turnip Cabbage, is not fo much cultivated as formerly, though fome yet effeem them for foups. The

GS

feeds

feeds must be fown on a bed of light fresh earth, and when the plants are about an inclusion high, they should be removed to a shady border, and fet at about two inches distant every way, watering them till they have taken root. Near the middle of *June* they should be transplanted out where they are to remain, and set at two feet distance every way, watering them till they have taken root; the earth should be drawn about them with a hoe to prevent them from drying, and in the winter they will be fit for use. Ŀ

ź

ł

12

1

ì

R

| | :

Ş

¢

13

l,

(1

11

1

Í,

۱

The feeds of the curled colewort may be fown in the middle of $\mathcal{J}uly$, and when they are firing enough for transplanting, they should be set in rows, nine inches alunder, and at five inches distance in the rows, in a moist feason. They will be fit for use after *Chrissmas*, and continue good till *April*.

The Mulk Cabbage and common Colewort are almost lost near London, Savoy plants being used in their room. The branching sea cabbage is found wild near the sea coast, where it is eaten by the poor people. All forts of cabbages being cultivated for the kitchen, it is no wonder there should not be many medical vertues ascribed thereto; and even these authors are not agreed about, and therefore may be passed over in filence.

BRUNELLA sive PRUNELLA, Self heal. has a transverse fibrous and small root, with quadrangular hairy branched hairy stalks, about a palm in height, with roundish dark green finuated leaves, fianding on long pedicles. The flowers grow in spikes, with thick heads, and have a fingle purple labiated petal, whofe upper lip is galeated, and the lower divided into three lobes. The calyx or cup of the flower has two lips, the uppermost of which is erect and divided into three parts ; but the lower is armed with two fmall prickles. It may be propagated by fowing the feeds in the fpring of the year on a bed of common earth; and when they are come up they may be planted in borders in any shady part of the garden. It is accounted a vulnerary altringent plant, and is faid to be good in wounds of the lungs, and in fpitting and piffing of bloed. It is used in decoctions and

and broths, and the juice may be given from two to four ounces.

r.

Ċ,

ï

ų I

ő D

k

k

a

Б,

1

Ľ,

d

Ľ.

d

1

10 F

.

: : >

: : :

•

ł

.

BRYONIA ALBA, white Bryony, or wild Vine, has a root fometimes' as thick as a man's thigh, and is flefhy, and divided into large branches; when it is dried it is fpungy, and marked with circles and rays. The tafte is acrid, bitterifh, and difagreeable, and the fmell while fresh is very strong. The stalks are long, slender, freaked, a little hairy, and climbing with tendrels like a vine. The leaves are angular, fet alternately on the stalks, and are shaped pretty much like those of a vine, only they are less and a little rough. The flowers proceed from the hollows where the leaves join to the stalk, and confift of a fingle petal which is open in the fhape of a bell, and divided into five parts, of a whitish green colour, marked with veins. Some of these flowers are large, and without embryoes; others are lefs, and contain one embryo, which turns into a fpherical berry of the fize of a pea; it is at first green, then red and full of a naufeous juice, as well as round feeds, covered with flime. It may be cultivated in gardens by fowing the berries in the fpring of the year in a dry poor foil, where they will in two years time grow to be large roots. It grows wild under hedges, and climbs upon the bufhes. The juice of the root is fo fharp it eats into the fkin; however when they are dry they loofe a great part of their acrimony; it is a ftrong cathartic, and we have fome notable inftances of its killing and bringing away worms; it has been used in madness, and some kinds of dropfies with fuccels, as well as in a moist asthma.-The dried root, reduced to powder, is given from a scruple to a dram; but the extract made by water is much the best and safest, because it works in a milder manner, and the dole is from half a dram to a dram. Externally it is a powerful refolvent, and has been recommended against pains in the fide, the hyp gout, and fcrophulous tumours The fresh root being bruifed and laid to the finall of the back, has promoted urine and cured the dropsy ; likewife when it has been grasped in the hand when fresh for some time, it has been known to purge. For the hyp gout it should be bruiled, mixed G 6 with

131

with linfeed oil, and laid warm to the part. Zacutus not only affirms, but fwears, that this ointment will cure fcrophulous tumours even after they are broke.

BRYONIA NIGRA VULGARIS SEU RACE-MOSA, black Bryony, has a large, thick, long, tuberole root, black on the outfide, but white within, and full of a thick fizy juice, with no difagreeable tafte. The stalks are like those of the vine, but without tendrils; however they are flender, long, climbing, woody, and of a dark reddifh colour, with foft, green, fhining leaves, placed alternately thereon, like those of the great bind-weed. The flowers proceed from the hollows between the leaves and the stalks, and grow in bunches ; they confift of a fingle petal in the shape of a bell, and are divided into fix fegments of a yellowish green colour, fome of which are barren, and others fruitful; these laft fort have an embryo which turns to an oval red berry, or of a brownish red, full of roundish seeds. Authors are not agreed with regard to the qualities of the root of this plant, fome affirming it to be purging, and others the contrary. Its common use is as a refolvent, for it will take off the black and blue marks of the fkin arifing from bruifes, when it is bruifed and laid thereto in the form of a cataplasm.

BUGLOSSUM, garden Bugloss, has a long round root, about as thick as one's finger, which is reddifh or blackish without, but white within, and abounding with a clammy juice. The flalks rife to above a cubit in height, which are round and befet with fliff hairs. The upper part is branched, and has leaves fet thereon without pedicles; they are narrow, oblong, of a bluith green colour, and terminate in a sharp point, but are not wrinkled like burrage. They are hairy on both fides, and their edges are even. The flowers grow at the top of the stalks and branches, and are in the shape of a funnel, confifting only of a fingle petal. The flowercup is composed of five oblong, narrow, tharp, hairy fegments, and the flower confilts of the fame number, and is of a bluish purple colour. The pistil is oblong, and fixed in the hinder part of the flower like a nail; there are four embryoes which turn to as many feeds in.

Digitized by Google

Э

Э

0

1

14

: X 5

(]

, Ľ

t

i ,

Ç

Ę

ì

2

Ì

Ĭ,

2

ľ,

1 1

, i

Í,

1 (

ł

l

(!

;

C

1

ļ

ì,

| ,

¥

1 2

133

the fhape of vipers heads. The tops of the ftalks and the cups of the flowers are purple. It is cultivated in gardens. The flowers are in the number of those that are faid to be cordial, and are proper to restrain the heat of the blood, as well as to promote its circulation according to fome. The flowers may be used in the fame manner as tea.

13

1

5

d

è

l

ŝ

ż

ł

47

3

10

đ

2

1

2

\$ 7

đ

4

P

ŀ

ų.

Ξ, ,

ş

h

1

i,

1 1

и,

BUGULA, Bugle, or middle Confound, has a flender, fibrous, white root, with roundifh, foft, finuated leaves, of a dark greenish colour, and two inches in length. It grows in ftony places; the lower part is generally purplish, and the tafte at first is sweetish, but afterwards bitterish and astringent. Some of the stalks are slender, roundifh, and creep on the ground, while others rife to the height of a palm, and are quadrangular, with hair on two of the opposite fides. The flowers are placed in whirls round the stalks, and confist of a fingle petal, one of whofe lips is divided into three parts, the middlemost of which is split in two. The place of the under lip is supplied by small teeth, with a pittil and blue apices like the flower. The flower cup is fhort, hairy, and divided into five fegments, from whence the piftil rifes, and is fixed in the hinder part of the flower like a nail. It is attended with four embryoes, that turn to as many roundish feeds shut up in a husk, which before was the flower cup. It delights in meadows and fhady places. It is a vulnerary herb, and is good in all cafes where mild aftringents are proper. It is faid to be good in all forts of hæmorrhages, the bloody flux, and the whites in women; but this is doubtful.

BURSA PASTORIS, Sbeppard's-Pouch, has a white, ftrait, fibrous, flender root, with a ftalk that rifes to a cubit in height. The lower leaves are fometimes whole, but more generally jagged like dandelion; but those that grow on the ftalks are much less broad at the base, with even edges, and terminate in a point. The flowers are placed in rows on the tops of the branches, and are fmall and in the form of a cross; they confift of four roundish petals with fmall stamina, bearing yellow apices or heads. The flower cup confists of four leaves, and the pistil turns into a flat fruit in the fhape of a heart, or or as fome fancy like a purfe, and is a quarter of an inch long; it is divided into two cells, in which are contained exceeding fmall feeds. It is faid to be a vulnerary, aftringent, cooling herb, and is given in all hæmorrhages and fluxes; but fome think it is fo binding as not to be fafe. However *Baerhaave* takes it to be of a hot fiery nature, and that it flops hæmorrhages and fluxes by coagulating the juices, which is much to be wondered at, becaufe it difcovers nothing like it in the tafte. The dofe in infufion is a handful, and of the juice four ounces; but the powder of the dried leaves, is a dram. Externally it is good againft hæmorrhages, and when bruifed and put up the noftrils, will ftop bleeding of the nofe.

BUXUS, the Box-tree, is a thrub which feldom grows to any confiderable fize in England, though it has fometimes been feen as thick as a man's thigh. The largest were found in great plenty upon Bax-bill, near Darking in Surry; but of late they have been pretty much deftroyed; however there are many ftill remaining, of a confiderable bignefs. Some have thought that the box wood made use of by mathematical influment makers and others, was the product of England; but this is a mistake, for it is brought from the Levant in large blocks. This fhrub is an ever-green, and very bufhy, baving long, oblong, fmall, hard, thick, fhining leaves, of a difagreeable bitterifh fmell and tafte. The flowers are of two forts, the barren and the fruitful, the first are without petals, and confift of many flamina generally proceeding from the bottom of a foliated fquare flowercup, of a yellowish colour; the fruitful, or rather the fruit, is shaped like a pottage-pot turned upside down. and is divided into three cells of a green colour, containing two feeds, each of which when ripe are thrown out by the elaflicity of the veflels; these feeds are brown, long, and fhining. These shrubs are a very great ornament to cold and barren foils, where few other things will grow. They may be propagated by planting the cuttings in a shady border, observing to keep them watered till they have taken root. The beft featon for. transplanting these into nucleries is in October ; or the feeds -

1

-

1

OF VEGETABLES.

:| :\

. . .

. .

ic be

re

z

5

Ľ,

γ**ρ**

ß

¢.

4

ę

2

0

1

1

t

τ,

à

ß

ŗ.

2)

R _

P

Ľ

ł

ŗ

Ř S

'n

Ìċ

à

B, j

15

s,

feeds may be fown foon after they are ripe in a fhady border, which must be duly watered in dry weather; and from these you may expect the largest trees.

There are feveral forts of Box trees, as the common Box tree, the narrow leaved Box-tree, the firiped Boxtree, the gold edged Box-tree, the filver beaded Box-tree, the dwarf Box, and the dwarf firiped Box. The dwarf kind is ufed for bordering flower beds, for which purpole it is excellent, for it will bear all weathers and is eafily kept handfome. This is eafily propagated by parting the roots, which is much better than planting the flips. It is feldom ufed in medicine, though fome pretend it has the fame vertues as Guaicum in curing the French difeafe. The oil dittilled from the wood is a great narcotick, and is fometimes ufed to cure the toothach, by putting a drop into a hollow rotten tooth.

CALAMINTHA, common Calamint, has a fibrous. root, with stalks growing to the height of a palm and upwards, which are quadrangular, banched, and have leaves growing by pairs opposite to each other. Thev are from half an inch to an inch in length, and are roundish, obtufely acuminated, a little ferrated and hairy, with an acrid tafte, and a difagreeable fmell. From the middle to the top, the flowers grow where the pedicle of the leaves join to the ftalk in bunches; they are long and tubulous, and open at the top with two lips. The uppermost of which, or creft, is roundifh, and divided into two fegments; but the lowermoft, or beard, is divided into three. They are of a purplish colour, and placed in a hairy ftreaked calyx, from whence rifes a piftil fixed in the hinder part of the flower like a nail, and as it were attended with four embryoes, which turn into as many light blackish feeds, whole calyx was the capfula of the flower.

CALAMINTHA PULEGII ODORE, broad leaved Calamint, with the *fmell of Penny Royal*, is not unlike the former, only the leaves and flowers are lefs, and the fmell and tafte are like those of penny royal, by which it may be diffinguished from it.

CALAMINTHA MAGNO FLORE, Calamint with large flowers, grows naturally among the Alps and Pyrenees 5

13

136 THE NATURAL HISTORY

nees; and is lefs than the first with regard to the stalks, but the leaves and flowers are much larger, and smell sweeter.

CALAMINT**H**A ARVENSIS, field Calamint, is like the common for fhape and fmell, but differs from it in the fhape of the flowers, which are like thole of, mint, and they are fo cut that they at first fight feem to be divided into four parts. They all may be propagated by fowing the feeds in the fpring, or parting the roots, for they will grow in any foil or fituation. Befides those already mentioned, there are the boary Calamint with leaves like bafil, the forubby Spanifs Calamint, with a marum leaf, the candy Calamint, with a narrow oblong leaf.

Calamint powerfully incides groß humours, excites the appetite, and discuffes wird. It is taken in the manner of tea. It is generally accounted a goodhysteric,

CALCITRAPA five CARDUUS STELLATUS, Star-tbifle, has white, long, foft, juicy roots, about as thick as one's finger, and ftalks that rife to the height of a cubit and a half; thefe are angular, branched, and befet with villous leaves, deeply divided like thofe of corn poppy. The flowers grow in heads at the end of the branches, and are composed of purplift floretts, placed upon an embryo in a fcaly prickly cup, whofe fcales are from an i.c.h to an inch and a half in length, which are befet with fuch flrong thorns that are fo placed that they refemble a flar; the embryoes turn. into flippery, fmall, oblong, downy fceds. The leaves are exceeding bitter, but the root has a fweetift tafte. It is faid to be diuretic, vulnerary, and febrifuge; but it is now cut of use.

1

4 i 1

(:

2:

1

۱,

CALENDULA, garden Marygold; it is otherwife called Callba Vulgaris, and has a root divided into many thick fibres or branches; but the flalks are flender, a little angular, hairy, and clammy to the touch. It is divided into many branches, and the leaves are narrower at the bafe than the top; they are fat, hairy, and of a light green colour. The flowers grow on the top of the branches, and are of a gold colour and radiated; the

ď

ŝ

1

5 5

ΰ.

3 ¢

d

S

>

the difk confifts of many tubulous floretts, divided into five parts; and the crown is composed of crenated femifloretts, placed upon embryoes in a hairy flower-cup, divided into many parts. The embryoes turn into crooked marginated capfulæ full of oblong feeds. It is cultivated in gardens, and if the feeds are permitted to fcatter they will multiply greatly, and become as troublefome as weeds. The flowers are faid to be aperient and diffolvent, and proper to open obftructions of the liver, fpleen, and womb; but they are not very efficacious for these purposes; however infused in wine they will open a flight obstruction of the liver, and cure a supprefition of the menses.

CAMPHORATA, finking ground Pink, has a long woody root, about the thickness of a man's thumb, with many woody, thickifh, branched, hairy, whitifh stalks, with fmall knots placed alternately, from whence proceed a great many leaves, not a third of an inch in length, which are thin, hairy, pretty thick, have an aromatic fmell, and when rubbed between the fingers fmell pretty much like camphire. The flowers are without petals, for they confift of four ftamina, with role coloured apices, or heads, proceeding from a cup which is only a fingle herbaceous leaf, divided into three, and fometimes into five, fegments; from whence arifes a piftil, that turns into a small, oblong, black, roundish feed, contained in a capfula which was the calyx of the flower. It promotes urine, fweat, and the menfes ; and is good in recent obstructions of the viscera, as well as in the moift dropfy. It is in great use at Montpellier in France, against the dropsy; but it is not equally good in all, but only when there is no thirst or heat attending it. It may be drank as tea, but is very heating, and therefore must be used cautiously.

CANNABIS SATIVA, manured Hemp, has a fingle, white, woody, fibrous root, with a fquare hairy ftalk, rough to the touch, and hollow within; it grows two yards high, and has a rind that may be divided into threads. The leaves confift of five fegments or upwards, which are narrow and divided to the very pedicle; they are oblong, acuminated, ferrated, veinous, rough, of a black-

a blackifh green colour, and of a firong fmell. The flowers and fruit do not grow upon the fame plant; and the former preced from the places where the leaves join to the ftalk, and have no vifible petals; they confist of five flamina with yellow apices or heads, placed in a cup composed of five leaves, purplifh without, and whitifh within. The fruit on other ftalks are without flowers; but they have pistils contained in a membranaceous capfula of a yellowifh green colour, which turn into a roundifh fm oth feed, covered with a thin fhining fhell. The plants of both kinds proceed from the fame feeds, which are fown in almost all parts of the world. The use of hemp is every where well known, it being made into ropes, thread, linnen, and paper.

Hemp is always fown in a deep, moift, rich foil, fuch as is found in Holland, in Lincolnshire, and the fens of the Iste of Ely, where it is cultivated to great advantage. The land should be well ploughed and rendered fine by the harrow; the latter end of April is the best time of fowing the feed, of which the heaviest and brighteft coloured is belt; when the plants come up they fhould be hoed up like turnips, leaving them a foot or fixteen inches alunder; about a month after they should be hoed again to destroy the leaves. The first season of pulling the hemp is about the latter end of August, and they first begin with the fimble hemp, which are the male plants ; but a fortnight or three weeks longer would be better, that none of the feeds may prove abortive. The fecond pulling is about the middle of October, when the feeds are ripe, and this is usually called karl bemp, they being the female plants.

Hemp feed is recommended by Sir John Floyer and others, against the jaundice, for which purpose two ounces may be boiled in a quart of milk till they break; and five or fix ounces of this decection may be taken feveral times in a day. It is also good in coughs, and heat of urine. The oil expressed from the feeds is recommended by some to ease the pain proceeding from burns.

CAPPARIS, the Caper bufb, has a large woody root, from whence proceed various fhoots, armed with hard fharp

Digitized by Google

1.1.1

fharp prickles, and on which the leaves are alternately difposed, which are almost round, half an inch broad, and very bitter. The flowers proceed from the hollows where the leaves join to the flaks, and are rofaceous, white, and confift of four petals, from whole middle arifes many stamina, with a long pistil, and the flowercup confifts of four green leaves, and the extreme part turns into a fruit almost in the shape of a pear; they are of the fize of a large olive, and contain many fmall whitish feeds, almost in the shape of a kidney. In Italy it grows wild among the ruins of old walls and buildings, but in other places it it cultivated. There are feveral forts of caper-bushes, as the large fruited Caper without thorns, the prickly round leaved Caper with a small fruit, the sharp leaved Caper, the American tree Caper with a bay leaf and a long fruit, the American tree Caper with a bay leaf and an oval fruit, the American tree Caper with lawrel leaves and an oblong fruit. In England it is very difficult to preferve these plants, and therefore nothing need to be faid about their cultivation. What we call capers are the buds of the flowers before they are opened, which at first are laid in the shade for about four hours, and then put into vinegar for eight days; after which they are taken out, lightly prefied, and put into fresh vinegar for eight day more ; this is repeated a third time, and then they are put up into cafks for fale. They are every where known as a fauce, and are used to excite a languid appetite. Some put them into a brass vessel to give them a finer green colour, and then they are noxious. The bark of the root is faid to be aperient and diffolvent, as well as to reftore the tone of the vifcera: however it is not in use with us.

1

1

c r

i c

, ,

y.

•

6

ί

÷

CAPRIFOLIUM, Woodbind, or Honey fuckle, has a woody creeping root with large fibres; the italks are divided into branches, and are creeping or climbing, on which the leaves grow by pairs opposite to each other; they are oblong, fharp, fost, of a light green above, and hoary beneath. The flowers grow on the tops of the branches, and in fome plants are white, and in others red or yellowish; they have a very fweet fmell, and confist of a fingle tubulated petal which grows open towards

139

towards the top, and is divided into two lips, the uppermost of which is again divided into two, and the lowermost into many fegments. The tube of the flower is bent, and fometimes refemble a huntsman's horn; they are produced in clusters, and placed in a cup confifting of a fingle leaf; this turns to a foft fruit, or berry, of which feveral grow together in bunches, almost in the manner of alder-berries. They are red when ripe, and are full of hardish, roundish, flattish feeds. It is found growing in the hedges in many parts of *England*, and if they are planted in gardens they must be iet against walls or trees, for their branches are too flender to fuppot themselves. Every part of the honey-suckle is faid to be diuretic, but are now of no use among us upon a medicinal account.

CARDIACA, Mother-wort, has a root confifting of fibres, proceeding from one head, from whence arife quadrangular haid italks, two or three feet high, of a reddifh black colour. The leaves are veinous and wrinkled, and though (mooth are covered on both fides with down. The lowermost are round and of a pale green; but they are divided into three fegments, dentated about the edges. The higher they are the narrower they grow, and end in a long point, having on each fide a fingle tooth. The cups confift of a fingle leaf, are hard, and divided into five fliff fharp thorns, attended with many others. The flower is labiated, and confitt also of one leaf, whofe upper lip is imbricated, with pieces laid over each other in the manner of tiles, and is much longer than the lower lip, which is cut into three parts. 'I he piffil arifes from the flower cup, attended with four embryces, and is fixed in the hinder part of the flower like a nail; the embryces turn into as many fmall, oblong, angular, fmooth feeds, taking up the whole capfula, which was the cup of the flower. It is found wild in England near gardens, from whence it has been thrown out. It is faid to cure convultions, open obfiructions of the vifcera, and to kill worms; fome account it excellent in difeafes of the fpleen, and the hyfteric paffion. The dole of the leaves in powder is a dram, and must be taken in wine.

CAR-

1

.

ů

24.7.2.4

12

. -

1

÷ ۲

1 2

Ę

Ģ

1

r.

C

ĉ

1

ŧ

Q

P

2

P

t

į

11

C

(1

1

I

46

OF VEGETABLES.

-\

r.

() ()

į.

Ŕ

si H

5

11

G H

ĥ

ł

а,

{1

ii R

i 1

12

น ช_่ะ

1

ć

đ

¢ ,

j,

Ξ,

CARDUUS BENEDICTUS, the bleffed Thifle, has a white fibrous root, and leaves laciniated like dandelion but deeper, hairy, and terminating in fhort pedicles; they are alternately placed on the italks, which are vil-lous, ftreaked, and fuftain large flowers, confifting of floretts that are divided into five fegments, with a piftil cut into three or five fmall stamina, on which are long apices or heads adhering to each other, and as it were forming a tube. The calyx is fcaly and in the shape. of a pear, and armed with branched spires, as well as with large leaves in the form of a head, covered with a great deal of down ; the leaves are long, ftreaked, yellowish, and downy. The whole plant is remarkably bitter, except the root which is milder. It is a refolvent, ftrengthening, promotes fweat, and reftrains putrifaction. It is good in weakneffes of the ftomach, the moift afthma, the hooping cough, the jaundice, and in all cold difeafes; but in spotted fevers and the plague, it is not fo good as fome authors have pretended. It has often cured agues, when ufed fometime before the fit. In chronical difeafes the infufion of the tops may be taken several times a day. Simon Pauli affirms, that nothing can be better than this plant for healing putrid obstinate ulcers, and even the cancer itself. The decoction is often used to provoke vomiting, that is, when an emetic has been given before. A flight infusion is excellent in the loss of appetite after hard drinking, and one that is ftronger will occasion a plentiful fweat, and promote all the fecretions in general. Some give from an ounce to two ounces and upwards of the juice, and a dram of the feeds in emultions, which laft, with diftilled poppy-water, has been given with great fuccess against the pleurify and rheumatifm.

CARDUUS MARIÆ, Ladies Thiftle, has a long, thick, fibrous root, and long, broad, finuated leaves, crenated on the edges, with many hard, fining, fmooth, fliff prickles, of a light green colour, and variegated with lines or ftripes of white. The ftalks are about as thick as one's finger, ftreaked, and covered with a hairy down, and are branched, and two or three cubits high. The flowers grow on the heads of the branches, and confift

- 141

142 THE NATURAL HISTORY

confift of many purple tubulous floretts, divided into five parts at the top, each of which are placed on an embryo in a fealy prickly calyx. Each embryo turns into a fmooth oval feed, a little flattifh, and furnifhed with down. It grows in uncultivated places, and by the way fides. The tender leaves, after the prickles are taken off, are eaten by fome as a fallad, and they are faid to have the fame vertues as carduus benedictus. The feed is excellent for the pleurify, rheumatifm, and pains of the breaft; and is given in emultions from one dram to two. ķ

)

1

ıÿ

!

ł.

ρ

1

0.00

Ş

13

3.0

12

ņ

•

f

1

ì

1

CARLINA, the Carline Thifle, has long, broad. creeping leaves, with deep incifures, and placed in a circle round the root, which are rough and prickly like the other thiftles, and of a pale green colour; the calyx confifts of many expanded tharp leaves, and the difk of the flower is pretty wide, confifting of fiftulous floretts. The feeds are pappous and downy at the top, which confilt of filaments like a pencil. The root is thick, fibrous, and is fo full of holes that it feems to be carious on the furface, and is reddifh on the outfide, but whitifh within; the imell is firong and fragrant, and the taffe very penetrating and aromatic. It is fo called from the emperor Charles the great, because it is faid his army was preferved from the plague by the use of this plant; but whatever its vertues are, it is now of no ufe with us.

CARYOPHYLLATA, Avens, or Herb Bennet, has a fibrous reddifh root, which in the foring fmells like clove July flowers; the ftalks rife to a cubit in height, and are hairy, with the lower leaves conjugated, with a fingle one at the end; they are larger than the upper, which are cut into three parts, and adhere to the ftalks, and have two pinnulæ at the bafe of the pedicle, of a dark green colour, and a little villous. The flowers grow on the top of the branches, and are rofaceous, they having five petals of a gold colour. There is a globous piftil in the middle, covered with hair, which turns to a round fpherical head, containing many villous flat feeds, placed in a circle, each of which have a tail. The calyx is only a fingle leaf, which is divided into ten fharp

ġ

D.,

1

ġ

ų X

2

d,

fharp fegments, fome of which are greater and fome lefs placed alternately. It grows wild in *England*, Scotland, and Ireland; and the root while frefh is recommended against catarrhs and obstructions of the head; when dry it is more astringent, and is good against fluxes of the belly. The dole of the root is an ounce in decostion, and is a powerful fudorific. However it is very little used in *England*, though much effeemed in foreign parts¹

đ CARYOPHYLLUS, Clove July flowers, or Carna-1 tions, has a fingle fibrous root, with many fmooth stalks rifing to a cubit in height; they are geniculated, knotty, ä. and branched, with leaves proceeding from every knee, 1 which are narrow like grafs, pointed at the end, and of 2 a greenish blue colour. The flowers grow on the top of η each branch, and are of different colours, as is well e known to all, they have a fpicey fmell like cloves, and ŝ. the stamina and apices are white, with a pistil termina-C ting in two or three crooked filaments; the flower-cup 3. is fealy at the bottom, denticulated at the top, and memņ branaceous. The piftil turns to a cylindraceous fruit ġ contained in the calyx, and is full of flat rough feeds. ġ that are black when ripe. There is a great deal of dif-X ference, as well in the fize and colours of the flowers, as ŗ in the number of the petals; which varieties proceed They are profrom the difference of their cultivation. ¥ ; pagated either from feeds or from layers. The feeds ought to be well chosen, and they should be fown in ŝ pots or boxes about the middle of April, with fresh light ł earth, mixed with rotten cow-dung, and well incorporated together, covering them about a quarter of an 1 inch thick with the fame earth. These should be placed fo as to receive the morning fun only till eleven o'clock, and in a month's time they will come up, and fit for transplantation in the middle of June, into beds of the fame fort of earth lying in an open airy fituation. They fhould be planted about three inches square, observing to water and thade them as the featon thall require. They may remain thus till the middle of August, and then they should be removed to beds of the like earth, fetting them at fix inches distant every way, and not above four rows

144 THE NATURAL HISTORY

rows in a bcd. When the flowers begin to blow those that do not break their pods fhould be referved to plant in borders to preferve the feeds; those that burft their buds and feem to have good properties fhould be planted in pots; but you cannot be certain of the value of the flower till next year. These flowers were formerly greatly effeemed by physicians for their excellent vertues; but they are now of no other use with us but to make fyrup, for which purpose the red flould be chosen that have a pleasant aromatic smell.

CARUUS, Caraway, has a fingle long root, about as thick as one's thumb, with a few fibres, and an acrid aromatic tafte. The stalks rife to the height of a cubit, or a cubit and a half, and are imooth, Atreaked, and branched. The leaves are winged, narrow, conjugated, and cut into small fegments, of a dark green colour. The flowers are placed in umbels, and are small, rofaceous, and confift of five petals in the fhape of hearts, placed in a ring, and contained in a green cup, with verv flender whitish stamina, and green apices or heads. The calyx turns to a fruit, confifting of two fmall, longish seeds, streaked and gibbous on the one fide, and on the other plain; they are blackish, acrid, and aromatic. It is fometimes found wild in England in rich moist pastures, and particularly in Holland in Lincoln-Ibire. There are feveral forts, as the common Caraway, the large feeded Caraway, the narrow leaved Caraway with applodel roots, and the alpine Caraway. They are all to be feen in the gardens of the curious, and are cultivated by fowing their feeds in the fpring of the year, in a moift rich foil. They should be hoed out to about fix inches fquare, which will greatly ftrengthen them, and promote their feed plentifully. When the feeds are ripe in autumn the plants should be cut, and laid upon matts to dry, after which their feeds may be. taken out and kept for use. They are stomachic and diuretic, and numbered among the four greater hot feeds. They incide gross humours, discusses wind, appeale the cholic, and help digestion ; they are bad in very hot constitutions and inflammations. The dose, in powder, is from a fcruple to a dram,

CAS.

i

٩

CASTANEA, the Chefnut tree, is large, tall, and full of branches, it fometimes grows to fo large a fize, that three men can fcarce fathom it. The wood is folid, durable, and not obnoxious to putrefactions; it crackles in the fire, and has fmooth, fpotted, blackifh bark, inclinable to an ash colour. The leaves are large, being about two inches broad, and four or five long, and are thin, rough, wrinkled, and cut on the edges, with many transverse veins on the back, which run from the rib in the middle. The male flowers or catkins, confift of many flamina, which proceed from a green cup, composed of five leaves, and have yellow heads. They are fixed to a small capillament or axis, and are barren. The outer coat of the fruit is very rough and prickly, and they grow on the fame tree, diffinct from the flowers. In each hufk or covering, there are two or three kernels or nuts, which are fometimes an inch in length, and of a roundish flat shape. This is the tree that is planted, but there is another fort, which grows wild, and differs from the former only in being less in every Chefnuts are of great use in many countries, fenfe. where they eat them inftead of bread, especially in the mountainous parts of France. Some boil them. and others roalt them in pans over the fire; but whatever way they are prepared, they are windy, and hard of digestion; and confequently feldom agree with any, except laborious working people. The raw nuts are aftringent, as well as the reddifh membrane that covers them, and are good in fpitting of blood, as well as in loofeneffes; but they are never ufed here for those purposes.

CENTAURIUM MAJUS, the greater Centaury, has a thick, folid, heavy root, three feet in length, and blackifh without, but reddifh within, with a fweetifh, aftringent, biting tafle. The flalks are round, and rife to the height of two or three cubits, with many branches; the leaves are large, and divided into feveral parts, in the form of a wing. The particular leaves of which they are made up, are near a fpan in H

ļ

¢.

5

. ب

length, and three or four inches broad, not unlike those of walnuts; they are smooth, ferrated on the edges, full of nerves, and of a deep green colour. On the tops of the branches there are small heads or flowers, confifting of blue floretts, divided into five parts, and placed upon an embryo in a fcaly cup. but the scales are without points. The embryo turns to an oblong, fmooth feed, furnished with down, like those of carduus benedictus. It grows wild among the Alps, from whence it is brought to us, but it is cultivated in gardens, and may be propagated either by fowing the feeds, or parting the roots, the latter of which is most commonly practifed in England. The best feafons for this work, are Ostober and February. The root is recommended to incide grofs humours, and to open obstructions of the vifcera, as well as to ftop fluxes, and fpitting of blood, on account of its aftringency. It is continued in the Edinburgh difpenfatory, but left out in the London.

ţ

1

i i

(

∦ t

Ç

CENTAURIUM MINUS, leffer Centaury, has a fmall, white, woody, fibrous root, with a branched angular stalk, about a span in height. Some of the leaves lye on the ground, while others are placed on the stalk by pairs ; they are shaped like St. John's wort, but are larger, fmooth, full of nerves, and of a light green colour. The flowers grow in clusters on the top of the branches, and confift of fingle petals, in the shape of a funnel, and are of a beautiful reddish colour. The cup of the flower is composed of five sharp leaves, and a pistil, fixed in the lowest part of the flower, which turns to a membraceous fruit, half an inch long, of a cylindrick shape, and full of exceeding fmall feeds. It grows wild upon dry arable land, and chiefly among corn. Both the flowers and leaves are extreamly bitter, and the florid tops incide grois humours, firengthen the flomach, help digeftion, open obstructions of the viscera, cure the jaundice, and the fuppression of the menses and piles. The dose in powder is to a dram, and it was used by Rulandus, before the Peruvian bark was discovered, to cure ż

ų,

ł.

51

الع

Ċ

3

2

oure all forts of agues, after a vomit. Outwardly it is vulnerary, and cures recent worms, and old ulcers.

CEPA, the Onion, is of feveral kinds, but the most usual are, the common Onion, the red Spanifb Onion, the Scallion, and the Ciboule.

CEPAVULGARIS CANDIDA, the common subite onion, has a bulbous root, confifting of various coats, the outermost of which are membranaceous, and the innermost fleshy, and there are many fibres at the bottom. The leaves are long, filtulous, round, and sharp at the points; the stalk is naked, upright, and fometimes rifes to the height of two or three cubits, especially in hot countries; this is likewise hollow, and fwells out in the middle, and the flowers are collected into a fpherical head ; they are composed of fix petals or leaves, in the middle of which are fix stamina, and a pistil, which turns into a roundish fruit, divided into three cells, full of roundifh black feeds. They are propagated by feed, which should be fown in the beginning of March, on good rich fandy ground, and eight pounds is fufficient for a whole acre of land. About a month or fix weeks after fowing, they will be ready to hoe, which should be done with one two inches and a half broad, cutting out, not only the weeds, but the onions, where they are too thick. This is best done in a dry feafon. This should be repeated twice more, cutting out the weeds as before. Towards the beginning of August, the onions will be at their full growth, which is known by the blades falling to the ground, and fhrinking; but before they are quite withered, they should be drawn out of the ground, cropping off the extream part of the blade, and then laying them upon a dry fpot, turning them every other day for a fortnight, least they should take root again. The Spanis onions are much in effeem, but will not long preferve their kind here, without fresh feeds from Spain or Portugal. They are chiefly preferved for the kitchen use, and are eaten raw by some, and roasted by others; but they are generally boiled. They are Ĥ 2 windy,

814 THE NATURAL HISTORY.

windy, heating, occafion troublefome dreams, and caufe thirft; and therefore they are bad for hot conflitutions. However when boiled, and mixed with honey, they are good in diforders of the lungs, arifing from a thick clammy phlegm. When roafted, they are used by fome to ripen boils and buboes; likewife when bruifed with falt, they are good for burns. Some rub the bald places of the head with them, till they are red, morning and evening, to caufe the hair to grow. They are likewife haid as cataplasms to the feet, to make revulsions from the head. Some fay, applied to the belly, they greatly promote urine, and cure fome forts of dropfies.

CEPA ASCALONICA, Scallions, confift of feveral bulbous roots, fomewhat larger than a hazel nut, have the tafte of common onions, but not fo flrong nor fo difagreeable. The leaves are flender, fifulous, round, fmooth, and have the fame tafte. It is used in the fpring, inflead of green onions, in fome countries, but it is now much neglected here. It is eafily propagated, by parting the roots in the autumn, and then they will be ready for use in the fpring. They muft be planted three or four together, in a hole, at about fix inches diftant every way, for they multiply exceedingly. They have the fame virtues as onions.

CEPULA free CEPA FISSILIS, the Ciboule, is intirely like the Scallion, only it is larger in every fenfe, and they differ in the acredity of their tafte. They are planted for the fame nfe as the former.

CERASUS, the Cherry-tree, is of different kinds, as the red garden Cherry, the large Spanish Cherry, the red heart Cherry, the white beart Cherry, the bleeding-heart Cherry, the black Cherry, the May Cherry, the black Cherry or Mazzard, the arch-duke Cherry, the yellow Spanish Cherry, the Flanders cluster Cherry, the yellow Spanish Cherry, the Flanders cluster Cherry, the yellow Cherry, the large black Cherry, the confermed Cherry, the double flowered Cherry. The common white Cherry, the wild northern English Cherry with late ripe fruit. The rack or perfumed Cherry, the Cherry-tree with striped leaves, the the amber Cherry, the morella Cherry, and the Hertfordfaire duke Cherry.

CERASUS SATIVA FRUCTU ROTUNDO RU-BRO ET ACIDO, the common red or garden Cherry, is a tree that is neither tall nor flrait, which confifts of a great many brittle boughs, with a moderately thick trunk, covered with a reddifh coloured bark, and the heart is of a blackifh colour, but the fap is whitifh. The keaves are large, oblong, venous, fhining, and crenated on the edges. The flowers are rofaccous, confifting of feveral white petals, with flamina of the fame colour, the flower cup is divided into five crooked fegments, from whence arifes a piftil, that turns to a well known fruit, with long flender pedicles. It produces a yellowifh flaining gum, without tafte or fmell.

The large Spanifs CHERRY, grows on a tree not much unlike the former, but it is not fo high, and therefore the fooner bears fuit. The stalk or pedicle is shorter and thicker than in the other kinds. Both these are cooling, and boiled in water, with a little fugar, makes a pleafant drink for perfons of hot constitutions; but those that have a weak stomach, abounding with acid humours, ought to abstain from them.

. .

;

,

1

e,

The beart CHERRIES, are fo called from being fhaped fomewhat like a heart, and the trees have larger leaves than the common fort; for they are fomewhat like those of the chesnut tree, and hang downwards. The fruit has a more hard and fweeter flefh, and are confequently more wholefome ; however fome fay they are more hard of digeftion, and therefore fhould not be eaten by those that have weak flomachs. All forts of cherries are propagated by budding, or grafting the feveral kinds into the ftocks of the black or wild red Cherries. The ftones of thefe two kinds, are fown in beds of light fandy earth, in autumn, and when they arife, they must be carefully weeded. They should remain in these nurfery-beds, till the fecond autumn after fowing, at which time you should prepare an open spot of good Η' freth

149

fresh earth, into which you should plant out the young stocks, at three feet distance from row to row, and about a foot assume in the rows. The second year after they are planted out, they will be fit to bud, if intended for dwarfs; but if for standards, they will not be tall enough till the south year; for they should be budded or grafted near fix feet from the ground.

CERASUS NIGRA, the Black Cherry tree, is tall, with an upright trunk, and covered with a fmooth, spotted, ash-coloured bark, that is greenish on the infide. The leaves are oblong, fhining, and deeply crenated. The flowers are joined together, as it were in a sheath, with slender long pedicles or stalks, from which proceed round, fmall, fweet fruit, with fomewhat of bitterness. These are faid to be good in difeafes of the head ; but they were chiefly cultivated formerly for the diffilled water for mixing in juleps; but after fome accidental trials, it was found to have a poisonous quality, for it procured sudden death, for which reason is is not now kept in the shops; however it is common to fleep them in brandy for a dram, which is commonly known by the name of cherry brandy.

CETERACH, Spleenwort, has capillary blackift roots, from whence arife many leaves, three inches lorg, and half an inch broad, that are finuated and undulated, almoft to the rib, and on the upper part they are fmooth and green; but below they are covered with fcales, from between which proceed fpherical capfulæ, with a ring endowed with an elaftic force, by whofe contraction they are broken, and pour out many gold coloured feeds. This plant has a mucilaginous tafte, with fome aftringency, and is faid to be . good to ftrengthen the ftomach, and for difeafes of the breaft; but it is now of little ufe.

CHÆREFOLIUM, Chervil, has a fingle white fibrous roct, with a stalk rifing to a cubit and a half high, which is brown, fireaked, hollow, geniculated, fmooth, and branched. The leaves are like those of hemlock, ł

÷

OF VEGETABLES.

5.1

ä

٥,

i T

ľ,

i,

h T

1

ć

5

a y z

5

2. J

ŗ.

e.

flemlock, but lefs, and they, as well as the pedicles. or foot stalks, are of a faint reddish colour, and a little hairy. The flowers grow in umbels on the tops of the falks, and are rolaceous, confifting of five white unequal petals, in the shape of a heart, with as many white stamina, and a flower-cup, that changes into two oblong feeds, gibbous on one fide, and flat on the other. which are black when ripe, and in shape like the bill of a bird. It is planted in gardens for fallads, by fowing the feeds in autumn, foon after they are ripe, or very early in the fpring. If it be fuffered to fow itself it will thrive better than when cultivated by art. It is faid to be inciding, atenuent, and aperient. It promotes urine fo much, that Geoffroy takes it to be a specific against the dropfy, and he affirms, if chervil will not cure it, he does not know what will. When the urine is suppressed in dropfical perfons, it makes it flow freely, clears it when foul, and renders it pale, when of a fiery red colour. The juice should be expressed from the fresh herb, or put in an earthen pan, and exposed to a violent heat, after which the juice is to be expressed out. The dose is three or four ounces, every third or fourth hour ; or a decoction may be made of it with water, and then five or fix ounces is a dole.

CHAMÆDRYS, Germander, or ground Oak, has fibrous creeping roots, with quadrangular stalks, that are branched and hairy, on which the leaves are fet by pairs, and are of a beautiful green ; they are half an inch long, and near a quarter broad, with a narrow bafe, and crenated from the middle to the end. The flowers arife from the places where the leaves join to the stalk, and confist of a purplish, labiated, fingle leaf; but the upper lip is wanting, and in its place there are crooked stamina, with a forked pistil. The beard or lower lip, is divided into five parts, and the middle fegment, which is largest, is hollow like a spoon, and sometimes divided into two parts. The calyx is fingle, but divided into five fegments, containing four roundish feeds, that proceed from the H 4 piftil.

152 THE NATURAL HISTORY

pifil. Both the leaves and flowers are in ufe, and it grows wild in many parts of *England*. The leaves are bitter, and a little aromatic; they incide grofs humours, reflore the tone of the folids, and promote urine and fweat. They are faid to open obfiructions of the vifcera, and to cure the jaundice and gout. It is one of the ingredients of the duke of *Portland*'s gout powder, that has been fo much in vogue of late. The tops may be taken in the manner of tea, or the powder to a dram.

Ľ

;

Ì

((

C 4 H C I I A H C I

F

. د د

÷ k

ù

t! N

CHAMÆMELUM, Camemile, has a flender fibrous rcot, and flender branches, divided into many wings, which are eight inches high or higher. The leaves are flender, and cut into five fegments; the flowers grow at the top of the stalks, and are for the most part radiated with white petals, and a yellow difk, which confifts of many yellow floretts; but the crown is composed of white femi-floretts, and placed upon embryoes, comprehended in a fcaly cup. These turn into flender, oblong, naked feeds. The whole plant has a physical smell, which is not disagreeable. Iť grows wild in great plenty, on most of the large heaths near London, and is propagated for use, in phyfic gardens, by parting the roots, and planting them about eight or ten inches diftant, every way, for they fpread greatly. The proper times is in March, . and they thrive beft in a poor foil.

CHAMÆMELUM FOETIDUM, five COTULA FOETIDA, finking Camomile, has a fibrous root, with round, greenifh, brittle, fucculent ftalks, divided into many wings. It is thicker and higher than common camomile, with larger leaves, of a blackifh green colour; but the flowers are much the fame. It is eafily known by its ftrong fmell. The florett tops, and the leaves of both, are in ufe, but more particularly the flowers. Common camomile is an excellent carminative, and powerfully difcuffes wind, curing the cholic proceeding from thence, as well as pains after child-birth; and in the convultive cholic. They are alfo good in difeafes of the breaft; and more

more particularly in tumours of the stomach, proceeding from a violent heart-burn; as also in pains of the gravel. Externally they are emollient and difcutient. and are excellent in bruifes, to disperse coagulated blood, as well as in the flatulent tumour of the uterus. and of the genital parts, after child-birth. Hence they are used in fomentations, cataplaims, paregoric glifters, uterine injections, and baths. Doctor Morton affirms, he has cured agues with a fcruple of the powder of the flowers, when they would not yield to the bark ; however in this cafe, it is best mixed with falt of wormwood, and given every three hours. The common method of taking them, is as tea. Some affirm, the flinking camomile is most proper in hysterical cases, used in baths and fomentations.

CHAMÆPITYS, ground Pine, has a flender, fibrous, white root, with stalks partly upright, and partly lying on the ground. They are villous, nine inches high, and two leaves proceed from every knot, an inch in length, and are fomewhat in fhape like those of the pine tree, from whence it has its name; they are of a yellowish green. The flowers proceed from the places where the leaves join to the falk, and have only a fingle petal, and a fingle lip; they are of a yellowish colour, and the lower lip is divided into three fegments ; the middlemoft of which is parted in two. In the room of the upper lip, there are a few teeth, with stamina, of a light purplish colour. The flower cup is villous, divided into five fegments, and contains four triangular brown feeds. The whole herb is in use, and it has a pitchy or turpentine fmell.

CHAMÆPITYS MOSCHATA, Mufk ground Pine, creeps on the ground like the former, but the stalks are harder. It has the fame fort of flower, but of a purple colour, and the feeds are black, curled, and longish. The whole herb is very hairy, with a bitter tafte, and a ftrong refinous fmell, with fomewhat of the fcent of musk. These are numbered among the vulnerary, aperient, cephalic, hysterick, and nervine Ηç plants.

plants. Some commend them in rheumatic pains, in the hyp-gout, in the trembling of the limbs and palfy. The dofe of the powder is a dram, either alone, or with that of germander, in red wine; but it may be boiled in whey, when wine is not proper, and the decoltion drank every morning.

CHEIRI, the *Wall firmer*, has a flower composed of four yellow petals, which are placed in the form of a crofs, and out of the flower-cup rifes the piftil, which becomes a long flat pod, divided by a partition, into two cells, to which the valves adhere on both fides, and are furnifhed with fmooth round feeds, with borders round their edges. The leaves are green, and accuminated at the end. It grows upon old walls, and flowers in *June*. They are faid to be cordial, to eafe pain, and to be good in the apoplexy and palfy.

CHELIDONIUM, Celandine, has a fibrous hairy root, and the lower leaves are large, a fpan long, lobated, of a fine green above, but of a blueish green below, and a little hairy. The lobes are roundifh. and have ears, and placed one against another; they have also large veins and incifures. The stalks rife to a cubit in height, and upwards, and are knotty. brittle, filulous, and branched with leaves alternately placed. From the places where they join to the stalks at the top, flowers proceed, with a pedicle, a palm in length, and flowers collected in umbels. The flowers confift of four gold coloured petals, placed in the form of a crofs, and the calyx confifts of twoleaves, which foon fall off. The piftil of the flowers surns to a pod, an inch and a half long, which is yound, slender, bivalved, and a little wrinkled ; it is at first green, afterwards reddifh, and pours out black, thining, roundish, flat seeds. The whole plane has a ftrong fmell, and wherever it is wounded, pours out a liquor of a faffron colour, which is acrid and biting. It delights in watery shady places. It may be propagated, by fowing the ripe feeds in any corner of the garden. The colour of the root is red, and is full

óf

t

of a bitter, acrid, burning juice. Some have given it inwardly, to open obfructions, to promote urine and fweat, and to cure the dropfy; others affirm, it is a fpecific against the jaundice. The dose of the powder of the dried root, is from half a dram to a dram. Others pretend, it is a specific against the dropfy afcites. However some think it is not fase for inward use, for in some cases, an infusion of two ounces of the root, has been attended with dreadful symptoms. It is common to rub warts with the juice, to take them away; and it has also been recommended for ulcers of the eyes, and to remove spots and clouds therein; but it is too sharp for that purpose, unless diluted with some other liquor.

CHELIDONIUM MINUS, Pile-wort, has a root confifting of tubercles, of the fize of a grain of wheat, with many flender whitish fibres, which are pale without, but white within. The stalks rife to a palm in height, and are flender, and most of them lye on the ground; the leaves are roundifh, fmooth, and fhining, like those of ivy; and on the top of the stalks there is a rofaceous flower, like a ranunculus, confifting of eight or nine petals of a gold colour, placed in a circle. There are many faffron-coloured stamina in the middle, placed in a cup, confifting of three leaves. The piftil is placed in the middle of the flower, and turns to a roundifh prickly fruit, of a greenish yellow colour. It grows in meadows, and by the fides of high ways. The leaves are without acrimony ; but the roots are faid to cool and moisten. It is looked upon as an antifcorbutic plant, and the fresh leaves are eaten in fome places as a fallad. The roots have been mightily cried up against the piles, but without any just foundation.

CICER RUBRUM, red Vetches, or chich Peas, has a flender, fibrons, whitifh root, with a reddifh caft, from whence proceeds an upright hairy flalk, with conjugated leaves, and a fingle one at the end, thefe are roundifh, ferrated, and villous. The flowers are papilionaceous, and proceed from the places where the leaves

leaves join to the stalks, and are of a whitish or reddifh purple colour. The calyx is villous, and divided into fix acute parts, with a piftil that turns to a tumid fruit, refembling a bladder, almost an inch long, and terminating in a fhort flender thread, and in which are one or two fheaths, fhaped almost like a ram's head. It is feldom cultivated in England, but is common in France, Italy, and Spain. It flowers in June and July, and the feed is ripe in August. They are used for nourishment, but are windy, and hard of digestion, and therefore are only fit for country working people. It has formerly been cried up against the gravel, but very improperly, for it encreases the pain, when there is a ftone either in the kidney or bladder. It is certainly diuretic, and renders the urine thick and muddy : however it is best let alone.

CICHORIUM, wild Succory, has a root a foot in length, and about as thick as a man's thumb, with a few fibres, and full of a milky juice. The stalk is ftrong, hairy, branched, and grows to a cubit and a half high, with leaves like those of dandelion. but larger, and they are hairy, and of a dark green colour. The flowers confift of many blueish femi-floretts, placed upon an embryo, contained in a calyx, which being contracted, turns to a capfula, full of angular, naked, short seeds. The leaves and roots are bitter, and it not only grows wild, but is planted in gardens, and flowers in June. The fruit, leaves, and flowers, are in use, but the wild is better than the garden fuccory. Some use it as a fallad, when young. It is accounted good to refolve thick clammy humours. and to ftrengthen the folid parts, as well as to temperate the hot intemperies of the viscera; for which reason, it has been given in recent obstructions of the liver, and against the jaundice. The juice taken in large quantities, fo as to keep up a gentle diarrhæa, and continued for fome weeks, has been found to be excellent against the fcurvy, and other chronical diforders. The dose of the juice is four ounces.

CICUTA,

CICUTA, Hemleck, has a root a foot in length, and as thick as ones finger, and before the flalks are produced, folid, and before they are grown, fungous. The stalk is streaked, fistulous, knooth, and grows to the height of three cubits and upwards; fome are green. ifh, others reddifh, and others again spotted like ferpents. The winged leaves are cut into many minute fegments, and nearly refemble those of parsley, for which it has been often taken while young. The flowers are collected in umbels, on the top of the falks, and are rolaceous, confifting of five white petals, in the shape of hearts. The calyx turns to a globous fruit, containing two fmall feeds, gibbous on one fide, and fireaked on the other; and of a palish green colour. The whole plant has a difagreeable ftrong fmell. We have feveral histories both of its good and bad effects, which render it probable, it was not the fame plant that was eaten. Ray affirms from doctor Bowles, that the powder of hemlock roots, given in malignant fevers, to the quantity of a fcruple, is better than all fudorifics whatever ; and Reanalmus affirms, he has given it in powder, from one fcruple to half a dram, in wine, and the infusion from half a dram to two drams, in obstructions of the liver, spleen, and pancreas, with happy fuccefs. Therefore admitting all the accounts to be true, the effects might be owing to the different quantity taken ; for it is well known, that a grain of opium may be taken fafely, and that in a much larger quantity it is fatal. Outwardly it is fometimes applied to hard and fcrophulous tumours, and to reduce the fize of women's breafts, when they are grown too large; as also to keep back the milk in those that do not give fuck.

l,

ļ

5

1

1

i

CINARA HORTENSIS, the Artichoak, has a thick firong root, with leaves a foot, or a foot and a half in length, divided into feveral broad fegments, befet with a hairy down. At the top of each branch there is a turbinated head, furrounded with large accuminated fcales, which are flefhy, and of a blueifh green

green colour, and are very thick at the bottom. The fcaly head or calyx, being taken off, there are feen underneath flowers, confifting of many floretts, of an elegant greenish purple colour, which are divided into five parts, and placed upon embryoes, each of which turns to an oblong fwelling feed, covered with a fmooth as coloured rind, and furnished with long down. The lower part of the cup, or placenta, is fleshy; and is the part which is eaten.

r

£.

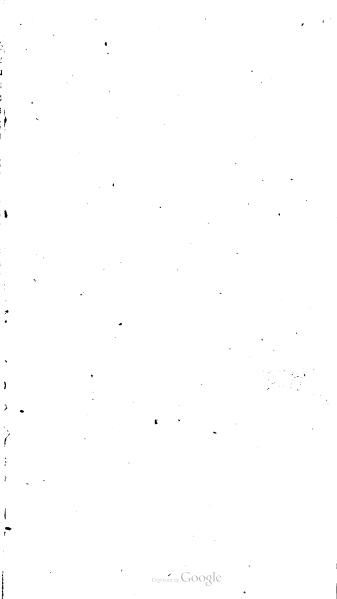
1

ļ

Ł

CARDONES, the *fpiny Artichoak*, differs in nothing from the former, but in having prickles at all the corners of the leaves and flower cup.

The manner of propagating the first fort, is from flips or fuckers, taken from the old roots in March. which if planted in a good foil, will produce large fair fruit in the autumn following. The prickly artichoak or chardon, is propagated by feed in the middle of March, which should be fown in an open bed of light rich earth. When the plants appear above ground, they should be carefully weeded, and in dry weather often watered. In the middle of May, they will be fit to transplant into beds of light rich earth, placing them in rows a foot alunder, eight inches distant from each other, observing to water them constantly, till they have taken root. In the beginning of July, they will be ftrong enough to plant out for good, in a fpot of light rich ground, placing them in rows at four feet diftant each way, observing to water them conftantly as before, till they have taken root. In August they will be fit to tye up with . hay bands, in a dry day, bringing the leaves as close together as possible, without bruising them. Then with a fpade the earth must be banked up round the plants, leaving about ten inches, or a foot of the tops uncovered, taking care that the earth does not get into the middle. As the plants advance in height, they must be earthed up from time to time, for if they thrive kindly, they will grow to the height of four feet, and will when taken up for use, be near three feet, when trimmed of their outer leaves; for the





159

the tender branched part is only valuable. This by fome is accounted a great delicacy.

Some eat the flefh of the fmooth Artichoaks with falt and pepper, they being thought proper to help digeftion. As for their physical uses, they are not faid to have any, only the roots are commended to promote urine.

CITREUM CITRUM, five MALUS MEDICA. The Citron tree is called MALUS MEDICA, because it was first brought into Europe from Media ; it is of a moderate height, with a branched fpreading root, yellowish without, and whitish within. The trunk is flender, the wood white and hard, and the bark of a pale green colour. The boughs are numerous, long, flender and tough, and the oldest of them are of a light yellowish green, and armed with pale prickles ; but those that are more recent, are of a beautiful green. The top of the branches are tender, and of a brownish red green, as well as the leaves, which are of the fize of those of the walnut tree, generally blunt, but now and then accuminated, and they are three times as long as they are broad ; the lower part is not fo green as the upper, and the edges are a little ferrated. The tree is always cloathed with them, both winter and fummer, and when they are held up against the fun, they appear to have holes in them like St. John's-wort, or rather full of transparent specks. The flowers grow on the tops of the branches. and are rofaceous, with flefhy petals, which are generally five in number, and ftand almost upright; without they have a reddish blush, but are white within, and placed in a ring. The calyx is fmall, and divided into five fegments, and under the yellow apex, there are a great many stamina, and part of the flowers are fruitful, and part barren. Among the stamina there is a longish piftil, the rudiment of the fruit, and those flowers that are without, never produce any. The shape of the fruit is oblong, but sometimes globous, and fome terminate in a point, while others are blunt; the furface is wrinkled and tuberofe, and is often often nine inches in length, and upwards. The fize is different, as well as the weight, for some weigh fix, nine, and even thirty pounds. The outer rind is tough, thin, bitter, and hot, and the colour is at first green, which turns to that of gold, when ripe; the inner or white rind is thick, firm, fweetifh, with a little acidity. Within it is divided into feveral cells, full of an acid juice; the feeds are numerous, for fometimes an hundred and fifty have been found therein; they are oblong, half an inch in length. and tharp at both ends; they are bitter, yellow without, covered with a fireaked skin, and contain a double white kernel. In hot countries both flowers and fruit may be feen on the tree at the fame time, as well in the fpring as the autumn ; but they are more plentiful in the last.

ĩ

i.

i.

ļ,

j:

2

(2

) 10

1

21.04

ι C. tĺ

í.

X.

ż

0

() ; 1

ŧ,

ł

CITRONS are not used as an aliment, but as a fauce. and are cut into fmall flices, as we do lemons, to garnish the dishes, and to squeeze upon the meat. The acid is very agreeable, excites a weak appetite, and helps digeftion, when used moderately. The outward rind, on account of its hardness, is not easy of digeftion, to more than the white part. It is an excellent remedy against the fcurvy, and is a kind of specific to cure that difease, as well as the juice of oranges and lemons ; when the gums of patients afflicted with that difeafe, are ulcerated, this juice will cute them. The Dutch were the first that found out this property, though it is now more generally known. The juice is also good in burning and malignant fevers, to quench thirst, and to restrain the heat and effervescence of the blood. When the juice is mixed with water, and fweetened with fugar, it makes a fine cooling drink, grateful to the palate, and agrees with the fick as well as the found. Befides the juice of citrons is diuretic, cleanfes the kidneys of fmall gravel, and reftrains vomiting, proceeding from bilious humours. The flowers, as well as the leaves, have an exceeding fine refreshing smell, though they will not prevent contagion on this account, as fome pretend. The

The outer yellow bark has also a very fine aromatic fmell, becaufe it has a prodigious number of veficles full of effential oil. Being chewed, it mends the breath, and by its bitterness strengthens the stomach; it powerfully discusses wind, and concocts crude hu, mours in the flomach and inteflines. However the juice is not good in the pleurify, inflammation of the lungs, fpitting of blood, a confumption, and the like.

1

>

i e

•)

1

1

MALUS LIMONIA, the Leman tree, is placed here on account of its affinity with the former, and is pretty tall, though not very full of branches; the leaves are like those of the citron tree, but shorter, and the prickles are more numerous, but lefs, and venomous. The flowers have much the fame fmell. and the shape of the fruit is likewise oval, but shorter, and not of fo deep a yellow. Likewife the rind is thinner, and they are much more full of juice, which is more acid than that of citrons. Upon which account it is thought to be more cooling, and more efficacious in hot discases ; in short, what has been faid of the juice of citrons, may in most respects be applied to this.

CITRULLUS, Citrulls, has a small, strait, fibrous, hairy root, and has brittle stalks, that creep on the ground; the leaves are deeply jagged, rough and , hairy, and on the stalks there are claspers, as well as pedicles, that fuftain yellow flowers, in the form of a bell, that are divided into five fegments, of which fome are barren, and fome fruitful, which last are 5 placed upon an embryo, that turns into a large round , fruit, which fometimes can hardly be grafped with both arms. The rind is a little hard, and fmooth, it being without tubercles ; it is of a dark green colour, with light green, or whitish spots. The flesh is like that of the cucumber, and is firm, and fome. times white, and fometimes reddifh, but the tafte is very agreeable. The feeds are fpungy, oblong, broad, I flat, wrinkled, of a yellowish or reddish colour, and covered with a hard fkin ; but the kernel, or inner part,

.161

part, is very agreeable to the tafte. They are numbered among the four cold feeds. They are good to abate the acrimony of the urine, and reftrain the effervescence of the blood : for which reasons they have been prefcribed in emulfions, and in burning fevers. and heat of urine.

COCHLEARIA HORTENSIS, garden Scurvy-12 , fi gra/s, has a white thickifh ftrait fibrous and hairy root, with many roundifh leaves, of a deep green colour, about an inch in length, which are hollow, almost like a fooon ; they are thick, full of juice, and placed upon pedicles, a palm in length. The stalks are branched, upright, fmooth, a cubit in height, and iÊ have leaves that are more jagged than those next the Ì, h root; they are also longer, and without pedicles. The flowers have four petals, which are white, and in the form of a crofs, with a calyx, confifting of four leaves, and a piffil that turns to a membranaceous round fruit, the fixth part of an inch in length, and composed of two cells, full of small, round, reddift feeds. But a distinction ought to be made between the garden and fea fcurvy-grafs, for the leaves of the ٦_{or} former are always roundifh, and of the latter fimuous. It is propagated by fowing the feeds at the latter end of July, foon after they are ripe, in a moift fhady fpot of ground. When the plants are come up, they should be thinned fo, as to be left at four inches distance each way, and in the fpring they will be fit for use; for those that are suffered to remain, will run up to feed in May. They must be fown every vear.

This plant has its English name from its virtue in 40 curing the fcurvy, against which it is accounted a specific. In fome parts of England they brew an ale therewith, which is recommended by many to cure li the fame distemper. However it is more effectual when mixed with forrel, or fome fuch acid herb, be-H: caufe of itfelf it is too hot, and if ufed too freely, will produce bad fymptoms. The people that inhabit a cold countries, are not ignorant of this mixture, for

they

1

ð

ċ

. 6

ŝ

ł

ž

2)

p

ì

1

â

ķ £

1

ĉ

B

tr

Ŵ ç

t

h

h f,

Ľ

ŝ

they have learnt by long experience, that fcurvy-grafs and forrel together, make an excellent remedy against this difeafe. Scurvy-grafs is not ufelefs in other difeafes, for it is excellent in recent obstructions of the viscera, in the green fickness, and some fort of affimas; but the dried leaves are not near to valuable as the fresh. The dole of the leaves in decoction, is from a pugil to a handful, and of the juice from one ounce to three. Externally it is good in fcorbutic diforders of the mouth, in the bloody swelling of the gums, and to fasten loose teeth, the gums being rubbed with the juice, or held in the mouth as a gargle.

1

ĩ,

ŝ

£,

Ç2

i

î2

5.

COLCHICUM, meadow Saffron; near the beginning of autumn, the flowers appear before there are any leaves, which confift of a fingle petal, and which proceed from the root itself, and are in the form of a very fmall white tube, divided into fix fegments. They are fomewhat like the floretts of faffron, but of a lighter colour, with internal stamina, of a pale yellow, and a piftil arising from the bottom of the flower, and terminating in flender hairs. In a day or two's time, they begin to wither, but in the following fpring, three or four oblong, broad, fmooth, flat leaves, fhoot out, like those of the white lilly. Between these are seen three or four thick, oblong, triangular bladders, like pods, divided into three cells, which open when they are ripe, and are full of a reddifh, black, roundifh feed. The root is bulbous, turbinated, but flat on one fide, on which is a furrow, when in flower, that does not appear at any other time. It is covered with a blackish coat, and has a few fibres at the bottom. The bulb itfelf is flefhy, white, and when frefh, it pours out a milky juice as foon as taken out of the ground; but when it is dried, it is blackish without, and reddish within, and of a sweetish taste, with a little bitterness. The fmell of the whole plant is ftrong and naufeous. Both ancients and moderns agree, that the root is poifonous, and those that eat it feel an itching all over the body, with

164

with a biting pain of the internal parts, and of the flomach, with great heat, which afterwards turns to 30 h a bloody flux. A ftrong country fellow, that had đ eaten only a fingle root, was purged violently with it, and had intolerable gripes, for three days together, ic. Q, which at length terminated in death. However it is used externally, to take away warts from all parts of 4 10 the body; and a celebrated phyfician affirms, that he, and others by his advice, has worn this root as an 1 amulet tyed to his neck, from the year 1668, to 1718, and that it preferved him and many others, from the plague, and all epidemical difeafes; he farther adds, that this remedy was communicated to him as a great fecret. Many other writers affirm the fame thing, but the effects must be rather ascribed . 1 to fancy, than any thing elfe; for when things of P this kind are relied upon, they banish fear, and confequently render them lefs liable to receive infection.

ģ

ţ

Ţ,

b

ġ

ť

È

q

ie,

pl

T

à

10.14

T

ę

đ

'ı

Ľ,

ù

2

CONSOLIDA MAJOR, the greater Comfrey, has thick flefby roots, divided into feveral parts, black without, but white and clammy within. The flalks grow to the height of a cubit and a half, and are light, hairy, rough, and winged. The leaves are Σ_{ℓ}^{i} two fpans in length, and a palm in breadth; they are of a dark green, rough, hairy, and tharp at the point. The flowers grow at the top of the branches, and are placed in elegant rows, and before they open they are rolled up like the tail of a fcorpion; they are pendulous, confift of one flower, in the shape of an oblong funnel, and are of a whitish or purplish colour ; they are a quarter of an inch in length, and ٠t flightly divided into five fegments; the cup is alfo divided into five parts, and has a long piftil of the fame colour with the flower, which turns into four feeds, that are black and fhining, and refemble vi-1 |1 |1 pers heads. It grows wild on the fides of banks and rivers, in feveral parts of England, and may be pro-行动 pagated by fowing the feed, or parting the roots in autumn, which is best. They should be planted about eighteen inches alunder, that they may have 20 room

room to fpread. The root is only in use, and has the fame qualities as that of marsh-mallows, the dole of it in powder, is to a dram, and in decoction or infusion, to an ounce. It is commended in ulcers of the lungs, and other disorders that proceed from the acrimony of the humours. Outwardly, it is faid to cure wounds, but is now feldom or never used for that purpole.

١,

г

۲) ۲,

з

4

ġ

k

ż,

5

đ

3

ł

ş

٠, ۲

2

)

į,

ġ,

.

•

51

CORIANDRUM, Coriander, has a flender, white, fingle root, with a few fibres ; as also a fingle, flender, round, fmooth stalk, full of pith, that is branched, and rifes to the height of a cubit and a half. The lower leaves are broad, and conjugated, but the upper are deeply cut into five fegments; the flowers grow in umbels, at the top of the branches, and are rofaceous, and of a whitish purple colour; they confift of five petals, in the fhape of a heart, with a calyx that turns to two feeds, that when together, make up a whole fphere; they are green at first, but afterwards of a palish yellow. The smell of the whole plant is ftrong and aromatic; but that of the feeds becomes more mild, and have a fweet agreeable tafte. This plant is propagated by fowing the feeds early in the fpring, in an open fituation, and in a bed of good fresh earth ; when the plants are come up, they thould be hoeed out to about four inches every way. The feeds have a carminative virtue, and are good against catarrhs, flatulencies, worms, the cachexy, and flight obstructions of the glands. The dole of the feed in powder, is from a scruple to a dram.

CORNUS, the *Cornel tree*, is moderately tall, with many branches, and is covered with a reddifh, afh coloured, rough bark, the wood is white, firm, folid, and hard, and the leaves broad pointed, fmooth, and of a blackifh green colour. It flowers early in the fpring, before the leaves appear, and are placed on the extream fhoots of the branches; they are many in number, and are rofaceous, confifting of four faffron colour petals, with fmall yellow flamina, and a common cup, confifting of four leaves, of a purplifh colour, lour, with a yellowish caft; fometimes fix, eight, or ten flowers are contained in the fame cup, which turn to an oblong fruit, like an olive, but are more flender; they are foft, fleshy, green at first, and afterwards red, though fometimes they are of the colour of bees-wax. The tafte is rough at first, but when they are full ripe it is of a fweetifh acid, with fome 1 aftringency. The ftones are oblong, fmooth, and exceeding hard; they are divided into two cells, containing fmall, flender, fweetish kernels. The fruit are called Cornelian cherries, and are cultivated in gardens, because it is preferved by many for the making of tarts; however it is not much in efteem; for which reason about London, it is only propagated as a flowering thrub, becaufe the flowers appear to early. The fruit is feldom ripe before September. The fruit are cooling, drying, and aftringent; for which reason they are prescribed by some against fluxes of all kinds. The wood of this tree is by fome thought to be the hardeft of all others, and is proper for making the fpokes of wheels.

CORYLUS, the Hazel, or Nut-tree, is of different kinds, as the wild bazel Nut, the small manured bazel Nut, the large cob Nut, the red Filbert, the white Filbert. and the large Spanish Nut; of these the red and white filbert are most in esteem. It is a dwarf tree, with a thick root, as also thick stems, divided into many branches; when it is old, the bark is hoary and fmooth, and the wood white and foft. The leaves are broad. and are larger, and more wrinkled, than those of the alder tree; they are moderately ferrated, and are greenish above, but of a paler colour below. The flowers are oblong, flender, and compact; and there are also catkins, with red filaments, hanging therefrom, which are instead of flowers. They are at first green, afterwards yellow, and confist of small leaves, fixed like fcales to an axis, under which there are a great number of yellowish apices. The fruit or nuts grow diffinct from the flowers, and are wrapped 24 in callous, juicy, herbaceous, bearded hufks. The

nuts

10 'n

:ť

> 0 ŀ

0

R 2

1

¢

ł

ŝ d

3 έţ

Π

R)

Ŋ

1

ġ i

> 2 i

ą

t

1

7 13

2

ł

167

nuts grow for the most part in clusters, and are closely joined together at the bottom, and when they are ripe they fall out of the husk or cup. They are hard of digeftion, and when eaten too plentifully, are noxious to the lungs, fo as to make a perfon short breathed. Some pretend they are good in loosenesses of all kinds; but in these cases they rather do harm than good.

1

1

5

ł

2

ير 1

7

Э.

2

•. •

1

3

,

COTONEA MALUS, the Quince tree, is of feveral kinds, as the Pear Quince, the Apple Quince, the Portugal Quince, the Quince tree, with oblong, finooth, fweet fruit, the Quince tree with leffer oblong, downy fruit, which are not eatable, and the common Quince tree, with narrow leaves.

It is a dwarf tree, with a branched root, and is covered with a brown bark; it is fometimes strait, and has many flender branches on the top. The leaves are roundish pointed, and of the fize of those of the apple tree; they are not cut on the edges, and on the lower part they are covered with a foft down, but on the upper they are greenish and smooth. The flowers grow fingle, and are rofaceous like the wild role, confifting of five roundifh petals, half an inch broad, and of a flesh colour; in the middle there are many purple stamina, with yellow apices, and the flower cup is composed of five greenish, hoary, villous leaves, which when the fruit is grown, appears at the top thereof. The fruit is of different shapes, which have been above taken notice of, the feeds are in the middle of the quince, and are like those of pears; but they are rendered flippery by a fort of flime that covers them. When quinces are unripe, they are feldom or never eaten, especially raw; but when they are boiled, they are very well liked by fome. They are greatly aftringent, firengthen the flomach, and may be of fome use in all forts of fluxes. The use of quinces is very well known for the making of marmalade; the feeds are fo mucilaginous, that an ounce of them will render three pints of water thick and ropy, like the white of an egg.

168 THE NATURAL HISTORY

egg. A spoonful of the marmalade is good in coughs, for it incides clammy phlegm, and causes expectoration; and it is the more valuable, because those that refuse other medicines, will take this.

CRUCIATA, Crofswort, has a root which confifts of feveral yellow fibres, which produce feveral stalks, a foot in length, or upwards, that are fquare, hairy, weak, and have a great many knees, from each of which proceed four leaves, in the form of a crofs, which are hairy, and a little broader than goofegrafs ; and have a blunt point. The flowers proceed from the hollows where the leaves join to the stalks, and confift of a fingle petal, in the fhape of a bell, which is divided into four yellow fegments. The flower cup turns to a dry fruit, confifting of two feeds, covered with a thin hairy rind. It is common in hedges, and differs from goole grafs only in the number of the leaves. It is accounted a vulnerary herb, and is aftringent, when taken immediately, or applyed outwardly; but is now 'out of ufe. .

CUCUMIS SATIVUS VULGARIS, the common Cucumber, has strait roots, with many white fibres, and thick, long, branched, hairy stalks, creeping on the ground, on which are leaves alternately difposed, a palm or two in breadth, ferrated on the edges, and rough to the touch. They are furnished with claspers, and the flowers proceed from the places where the leaves join to the flalks, which are in the form of a bell, divided into five fegments, and half an inch in length. They are of a pale yellow, and fome are fruitful, others barren; the fruitful have an embryo which turns to a fruit that is fometimes fix inches long, and is extreamly well known. The feeds only are in use, and are reckoned among the four greater cold feeds. As for the flesh or pulp, it is unfit for nourishment, and is generally offensive to the ftomach, especially if not corrected with a good deal of pepper, as well as vinegar. However they agree extreamly well with fome who eat them frequently, without any bad confequence. The feeds are cool. 2 ing

ing, and fometimes emultions of them have been prefcribed in burning fevers, a fit of the gravel, and heat of urine.

ģ

ċ

£1

16

16

ņ

G,

l.

X.,

ī.

ត)/ ព

r.

, c

ġ.

白田二郎二日

CUCUMIS AGRESTIS, wild Cucumber, has a root two or three inches thick, and divided at the bottom into various fibres; it is white, flefhy, and has a bitterifh and naufcous tafte. The falks lye on the ground, and are rough, thick, and furnished with leaves above a palm in length, that are roundifh, acuminated, and have ears at the base. The flowers proceed from the hollows where they join to the stalk, and confist of a single petal in the shape of a bell, which is deeply divided into five parts, and is of a yellowish colour with greenish veins. The fruit grows to two inches in length, and is in the shape of a cylinder, and is covered over with rough fluds. It is divided into three cells full of a bitter juice, and when ripe they pour it out upon the flightest touch in a violent manner with the flippery feeds, which are broad, fmooth, and blackifh. It grows in the fouth parts of France, near the highways and among rubbish, and is also planted in gardens, not only for variety, but for diversion upon the abovementioned account. It may be propagated by fowing the feeds in the fpring in an open warm border; and when the plants are come up they should be transplanted into an open bed, about fix or eight feet diftant, becaufe they creep very far. The fruit is ripe in autumn, and the feeds will fow themfelves without any farther trouble. Elaterium is made of the juice of the ripe fruit, and is a most violent purge, and particularly evacuates ferous humours both upwards and downwards; for which reason some prescribe it in a dropfy, and give half a grain at first, and afterwards from two or three to five ; however it thould be exhibited very cautioufly.

CUCURBITA, the Gourd, has fialks as thick as one's finger, that run along the ground, or climb by the help of classers; the leaves are round, and are from a foot to a foot and a half broad; and covered with a down, as well as a little crenated at the edges. The flowers proceed from the hollows where the leaves join to the flalk, are white, and in the fhape of bells; they are cut into Vol. VI, I five

169

170 THE NATURAL HISTORY

five fegments, but fo deep that they feem to be fo many petals. Some of the flowers are barren, others fruitful. which last have an embryo that turns into a fruit which is fometimes two yards long; but this is very rare. It has a thick neck and a moderate belly; and when ripe has a hard rind, of a yellowifh colour, with a white tasteless pulp, or flesh, that is pretty spungy. It is diwided into five cells, containing oblong flat feeds, almoft an inch in length; but have fometimes a border round them. There are four forts, namely, the Long Gourd wish a fost leaf and a white slower; the fickle shaped Gourd with a foft leaf and a white flower; the flat Gourd with a loft leaf and a white flower, commonly called Squashes; the bottle shaped Gourd with a soft leaf and white flower : there are feveral other varieties every year brought from America, but the feeds will not produce fruit of the fame shape for two years together. They may be all propagated by fowing the feeds on a hot bed, and when the plants are come up they should be removed to a moderate bed; and when they have got four or five leaves they fhould be transplanted into holes made upon an old dunghill; but they fhould be allowed a great deal of room to creep, becaufe fome have run forty feet from the holes; and if the fide branches were permitted to remain, they would overfpread twenty rods of ground. We have an account of one in New England that foread over a large frot of ground, and wielded two hundred and fixty gourds, each, one with another, as big as half a peck. Some gather them while they are young, butter them, and eat them with meat, effecting them to be very good, especially the first fort, which is by far the sweetest , however they are little used here, though in America very frequently. The feeds are numbered among the four greater cold feeds, and emulfions made therewith temperate the acrimony of the urine, and often procure reft.

1

į

L

₹. E

ļ

÷

Ì

Ś

CUMINUM, or CYMINUM, Cummin, is an annual umbelliferous plant, feldom rifing to a foot in height, and the leaves are like those of tennel, but much less. The flowers are white, refaceous, finall, and collested

OF VEGETABLES.

lected into fmall round umbels, to which fucceed angular ftreaked feeds, plain on one fide and gibbous on the other; their tafte is bitterifh, acrid, and difagreeable, with a very ftrong fmell; however pigeons are very fond of them. It is propagated for fale in the ifland of *Malta*, but it will not fucceed here. They are faid to help digeftion, difcufs wind, and cure the cholic proceeding from thence.

CUPRESSUS, the Cypress tree, is of five kinds, namely, the common Cypress-tree, the male spreading Cypress, the Virginian Cypress, with leaves like Acacia. that fall off in winter, the spreading Portugal Cypress with smaller fruit, and the American Cypress with the least fruit, commonly called white Cedar in America. The first fort has a strait thick trunk, palish, and sometimes reddifh, and a very fweet fmell. The male has a fpreading top, but in the female it is collected as it were. into a point. It is an ever green, and the leaves are like those of favine, the shoots being very small, and feemingly covered with scales. The catkins confist of very fmall leaves, or fcales, and under them are apices that pour out an extremely fine powder ; the fruit grows on other parts of the tree, and is roundilh, and is com. poled of many woody tubercles, and in the clefts between them there are reddifh, hard, angular feeds, round at one end and tharp at the other. It is very common in many of the old gardens in England, but at prefent is not much in request, though for what reason is hard to fay. These trees are all propagated from feeds, which should be fown early in the spring, on a bed of warm, dry, fandy earth, fifting the fame earth over them to half an inch thick ; in a month's time the young plants will appear above ground, and should be often watered in dry weather. In two years time they will be firong enough for transplantation into a nursery, and the best season is the middle of April, in a cloudy day, at the distance of eighteen inches in rows, observing to. close the earth well to their roots. They may remain here three or four years ; and when they are planted out for good it should be at the distance of twenty feet every way, taking care not to shake the earth from the roots. The I 2

Digitized by Google

171

17: THE NATURAL HISTORY

The feeds have been given in fluxes of the beliy and hæmorrhages, but are now out of use with us.

CUSCUTA, Dodder of Thyme, is a parificical plant, and is fo called becaufe it grows out of others, or ratherupon them, becaufe it has a root of its own proceeding from feeds that fall on the ground; but they foon perifias well as the plant itfelf, if there is not forme othernear it to creep upon. It has no leaves, for it confifts only of filaments, but it has flowers that confift of a fingle petal, and are either red or white in the forms of a bell, but divided into four fegments; and the piftilturns into a roundifh and fometimes triangular fruit, with a fingle capfula, containing exceeding fmall feeds. It is ufually brought from Legborw and Turky, with the tops and flaks of thyme among it. It is accounted an aperient, and to be good for opening the obfiructions of the wifeera; but this may be doubted.

į

•

1

CYANUS, Blue-bettle, has a woody fibrous root. and stalks that fometimes rife to the height of a cubit and a half, which are angular, hollow, covered with down, and branched. The lower leaves are finuated, not much unlike those of dandelion; but the reft are narrow and long, with a fingle nerve running through the whole length. The flower has a fealy heiry cup, and the diffe is almost flat, but the outer floretts round the border are large, tubulous, and deeply cut; but the inner floretts are lefs, and the colour of them all is generally blue; though fometimes they are of other colours. The first are always barren, but the others are fucceeded by a fingle naked feed. It increases greatly by its creeping root, and is only fit for large borders under trees, or in wildernesses, because it will overspread the plants that grow near it. They are propagated by taking off fets from the old roots, either in fpring or autumn, and will grow in any foil or fituation. The medicinal vertues are undetermined, though formerly they have been greatly celebrated on different accounts.

CYCLAMEN, Sow-bread, has a thick, globular, flefhy root, but fomewhat flattifh, white within, and blackifh without. It has a pungent, burning, difagreeable tafle, and from it proceed leaves that are almost

OF VEGETABLES.

5

n,

de: ių ni į

ie j

ŝ h

Iď ji

Í,

d

P

đ

d1

5

ø

s,

b,

di l

2

Ø

Z;

fi.

a i

10

ja i

bi

สไ

jat I

Ù

k,

21 | 6 - 1

Ł

e)

174

most round, growing on pedicles a palm in length ; they are pretty much like those of cuckow-pint, but not fo thick, and they are of a blackifh green above, with white fpots; but below they are purplish, and a little finuated on the edges. The flowers have long tender pedicles, and confift of a fingle globous petal divided into five or fix fegments, that turn down almost to the bottom; they are fometimes of a light, and fometimes of a dark purplish colour, with a fweet fmell; the piftil is fixed in the hinder part of the flower, like a nail, and when the flower falls off it curls and bends down to the ground, where it turns to a globous membranaceous fruit, full of oblong angular feeds, adhering to a placenta. These being fown always turn to a root, from whence the leaves afterwards proceed; but it does not flower till autumn, and then it is before they have any leaves. There are feveral forts, and particularly one with a white flower, and they are both propagated by -fowing the feeds foon after they are ripe, in tubs of fresh earth, and in four or five years time they will begin to shower. At first the soots are small and they will produce but few flowers, but they will grow to upwards of fourteen inches in diameter, and then they will produce , above an hundred flowers. When the root is dried it will loofe its acrid tafte, and yet it will continue to be a violent purge. Country people will take a dram of it in powder, and half an ounce in decoction; but the internal use of it is not very fate. However outwardly it is recommended against hard fcirrhous and scrophulous tumours, when applied in the form of a cataplaim,

CYNOGLOSSUM, Dog's-tongue, is fo called on the account of the shape of its leaves. The root is strait and thick, of a reddifh black without, and whitifh within ; the stalks grow to a cubit in height, and become hollow with age; they are belet with a fort of down, or hair, and have leaves long and broad the first year, but in the fecond they become narrow and tharp at the end, and are hoary, foft, and downy, and are placed alternately on the stalk, without pedicles. The flowers confist of one single petal, in the shape of 'a funnel, and are divided into five fegments, of a dirty red colour, with a hairy calyx,

I 3

calyx, divided into five parts. The piftil is fixed in the lower part of the flower, like a nail, and turns to a fruit confifting of four cells, which are a little flattifh, hairy, and are apt to flick to the garments of those that pais by them; and each of these contain a flat feed, fixed to a pyramidal and quadrilateral placenta. It grows in great plenty upon durghills and fhady lanes in divers parts of *England*. Dog's tongue has an narcotic and anodyne quality, and is recommended to refirain catarrhs and all kinds of fluxes. The root may be taken to an ounce, and the leaves to a handful in decoction; however at present it is out of use with us.

DAUCUS CRETICUS, the candy Carrot, has a long root, about as thick as a man's finger, and has a tafte fomewhat like a parfnip; the flalk, which is round, ftreaked, and hairy; grows to the height of about nine inches, on which there are downy all coloured leaves, divided into narrow fegments; however they are fometimes fmooth, and of a blackifh green colour. The flowers grow in umbels at the top of the flalks, and are fmall, rofaceous, and confift of five white petals, whofe ealyx turns to a fruit composed of two oblong ftreaked freds, that are gibbous on one fide and flat on the other, they are hairy, and in fhape refemble lice.

ì

I

ĺ

Ş

DAUCUS SYLVESTRIS, common wild Carrot, is -fomewhat like a parfnip, but has a lefs root, and has a more acrid tafte ; the flalks are much of the fame height, and are fireaked, hairy, full of pith, and divided into wings. The leaves are cut very fmall, are of a blackifh green colour, and hairy on the under part. The flowers are collected in umbels, which when ripe are fomewhat in the fhape of birds nefts; the flowers are rofaceous, confifting of five white petals in the fhape of a heart. The florett in the middle of the unibel is fometimes of a purplish colour. The fruit is like that of the candy carrot, but shorter and broader, and are hairy, in the shape of the former:" It grows wild upon arable lands in most parts of England, The seeds of the candy car-rot are used in making. Venice treacle and mithridate; those of the common wild carrot are weaker, but are e. . . 5 faid

faid to be carminative, diuretic, and to attenuate groß humours. They are reckoned among the four leffer hot feeds, but at prefent they are feldom ufed.

đ

R

Ľ

n [

t.

ų

ŝ

j,

1

91

d,

8

٥,

×

K |

đ

2

e, |

5

3

ł.,

ć,

¢.

۴,

¢

d di ta

È

ŀ

ŗ,

د, ی

DENS LEONIS, Dandelion, has a root as thick as one's little finger, and the leaves are oblong, acuminated, and lactescent, with deep incisions on the edges like wild fuccory, but are fmoother, and lye on the ground. It has no stalk, and the pedicles are naked, fistulous, round, and above a palm in length; though there is fometimes a little hair, which comes readily off; on these the flowers are placed, which consist of many petals that open in the form of a marygold, and are of a yellow colour. The cup of the flower is fmooth and divided into many parts, without which there are four or five green leaves that turn backwards; the femiforetts in the middle have each their proper embryo, and turns to a reddifh or citron coloured feed, furnished with long hairy down.' It is accounted an aperient, and to open the obstructions of the viscera. Bourbaave is of opinion that when it is used for a confiderable time it will diffolve almost all kinds of coagulations, and open the most obstinate obstructions of the viscera; Fulker commends it in difeases of the skin, if four ounces of she juice be taken three times, or oftener, in a day. When young it is eaten by the French as a fallad.

DIGITALIS, Foxglove, has many flender fibrous roots, with a stalk that fometimes grows to two cubits in height; it is thick, angular, hairy, reddifh, and hollow, with oblong, acuminated, hairy leaves, ferrated on the edges, of a blackish green above, and hoary be-Those at the root have long pedicles, and those low. at the stalks are placed without any regular order. The flowers are disposed in a long spike, and always pendulous, growing on one fide of the stalk, with shore hairy pedicles; they confift of a fingle petal, and fomewhat refemble the finger of a glove, from whence it has its name; but it is open at the top, and has as it were a lip on each fide; it is of a purple colour, excepting the lower part, where it is whitish or flesh coloured. In the lower part of the flower there are purple or white crooked stamina, with apices of a faffron colour. The piftil 14

piftil is flender, purplift, fixed in the back part of the flower, like a nail, and turns to a fruit, or pod, which ends in a point and opens in the middle, it being divided into two cells full of fmall, angular, reddift feeds; the cup of the flower is generally composed of five leaves. This plant is by many thought to be poifonous, and yet there are country people give it as a purge in agues; but it works very violently. Some recommend it externally againft forophulous fwellings, and for that purpofe fet the flowers in the fun in May butter, in order to extract their vertues, and this is used as an ointment; but it muft be continued a long while.

DIPSACUS SATIVUS, manured Teafel, rifes to the height of three cubits and upwards, and is as thick as a man's thumb. It is strait, stiff, hollow, streaked, and full of prickles; there are two leaves that grow together on the stalk, that together make a cavity for the holding of water, they are large, long, of a pale groen, and prickly on the edges. The flowery heads that grow on the top of the fialks are large, and are composed of many imbricated leaves, placed on each other like scales, with very fliff points turned backwards like hooks, and have fomewhat of the appearance of a bee hive; the little flowers proceed fingly from between the scales, and are white, or of a whitish purple colour, these are focceeded by ftreaked feeds like fennel, but of a bitterifh tafte. It is cultivated for use, and serves to raise the nap upon woollen cloth. It is propagated by fowing the feeds in March, upon a foil that has been well dried, and one peck of feed will fow an acre of ground. When the plants are come up they must be hoed in the fame manner as turnips, leaving them at fix or eight inches diftance from each other ; fametime after they must be hoed again, and the plants left at least a foot asunder; the fecond year they will shoot up to heads, which will be fit for use in August. The physical vertues of this plant are fo very obscure, that nothing need to be faid about them.

DRACUNCULUS five DRACONTIUM, Dragons, or the many leaved Arum, has a root that lies deep in the earth, which is almost of an orbicular form, and

Ś

i

OF VEGETABLES.

fills the palm of the hand, with many white capillaments and a yellow rind. The stalk is fingle, strait, and thicker than one's thumb; it grows to a cubit and a half high, and is round, fmooth, and of feveral colours, like the fkin of a ferpent. The leaves have pedicles nine inches in length, and are divided into digitated fegments which are fix or feven in number or upwards ; they are oblong, narrow, fmooth, fhining, and there are shafts not fo thick as a man's little finger, and at the top. there is a vagina, or lheath, a foot long, of an herbaceous colour without, but within of a reddifh purple; when it is unfolded it turns to a flower with a fingle petal, in shape like an ass's ear, within which there is a blackish, long, thick pistil, bigger than that of arum, and ends in a fharp point ; at the bafe there are a collection of feveral apices and embryoes, each of which turn into a globous juicy berry, disposed like a bunch of grapes, which are at first green and afterwards red ; they contain a hard feed or two that are fomewhat wrinkled. The berries have a hot biting tafte. It is cultivated in, gardens, and is propagated by their knobby roots, which, in two or three years time will afford many off-fets. The best season for transplanting them is in autumn, after the decay of the leaves, and they flould be fet in an open place and in a light foil. The root and leaves have . the fame vertues as aruns, and are faid to diffolve grofs. humours in the lungs and vifcera, to open obstructions, and to promote the menfes and urine. The dole of the dried root, in powder, is from one dram to two. Externally the root is an excellent remedy against inveterate uners; but the fruit is more powerful than the leaves or root, fome pretend they will cure cancers.

DRACUNCULUS PRATENSIS, meadow Dragons, . fometimes grows to three cubits in height, and has a - crooked geniculated root, furnished with large long fibres ; the stalk is round, fmooth, fiftulous, flender, and yet pretty fiff. The leaves are placed in no regular order, and they are ferrated with fharp rough teeth on the edges, and are of a blackish green thining colour, of a hot taffe, but milder than pellitory of Spain. The highest part of the shaft is angular, hairy, and divided I 5 into,

đ.

177

into fprigs, on which are umbellated white radiated flowers, twice or thrice bigger than those of yarrow; their difk confifts of feveral floretts fet close together, and divided into five fegments, but the crown of femi floretts is placed upon embryoes in a flender flort cup, that afterwards turn to flender feeds; it flowers in Jub, and the root and leaves have been fometimes in use. The root being eaten is faid to purge the head and cure the toothach. Some eat them in tallads.

DRACUNCULUS ESCULENTUS, Tarragen, grows to the height of two cubits and upwards. At first the leaves are divided, but when they are full grown they become like those of flax or hyssophilary of a finning blackish green colour. The flowers grow on the top of the branches in bunches, and confiss of floretts fo small that they are hardly visible; however upon examination they appear to be tubulous and divided into five parts at the top, under which are embryoes placed in a scaly cup; each embryo turns to a small naked seed. The whole plant is very acrimonious, and is aperient, diuretic, and proper to open obstructions; being chewed it provokes fpittle like pellitory of Spain. It is mixed with fallads by some to correct the coldness and crudity of other herbs, and because it is good for a cold flomach.

۱

5

DULCAMARA five SOLANUM LIGNOSUM, Bitter fweet, has woody falks that are brutle, flender, , and from three to fix feet in length; and as it rifes it wraps itfelf round or climbs up hedges or fbrubs, the bark of the new branches are green, but of the old of a whitish ash colour. The wood is brittle, and full of a fpungy pith. The leaves are placed alternately, and are oblong, fmooth, and fharp pointed, of a blackifh green colour, with two fmall appendages like leaves at the base. The flowers confist of a fingle petal, divided into five narrow tharp fegments of a bluith purple colour, though fometimes white, and in the shape of a ftar. From the flower cup arises a piftil fixed in the. back part of the flower like a nail, which turns to a round, fost, fucculent fruit, or berry, which when ripe is of a reddifh purple colour, and contains flat whitifh feeds. Some pretend this plant is proper to open obfructions

fructions of the liver and fpleen, and to promote urine; but its vertues are very doubtful, and therefore nothing more needs to be faid of it.

EBULUS, dwarf Elder, is fomewhat like common elder but feldom grows fo tall as a man; the root is long, flefhy, white, fpreading, and of a bitterifh, fubacrid, and nauseous tafte; the flalks are herbaceous, angular, ftreaked, and geniculated, with frequent joints, and they are pithy like common alder ; the leaves confift of three or four conjugations, with a fingle leaf at the end; they are longer than the leaves of common alder as well as fharper, and are ferrated on the edges. The flowers are fmail and grow in umbels, and are white and confift of a fingle petal divided into five fegments, and they have five white stamina, and as many rufty coloured apices; when the flowers are fallen off the flower cups turn into berries, which are black when ripe, and the juice will colour the fingers purple. It is found wild in some counties of England, but near London is cultivated for ufe. It multiplies exceeding faft, and if permitted will foon over-run a large fpot of ground. The off-fets of these roots may be transplanted any time from September to March, and will grow in any foil or fituation. The leaves of this plant are bitterish, and the berries are very bitter, with fomewhat of an aftringency. It is a ftrong purge, but the roots are most powerful as well as its bark. They have been frequently given in the dropfy, but with different fuccess; however it should not be exhibited at all except to those that have strong conflitutions. The powder of the feeds is given to a dram; but a rob made of the berries is the most proper to purge off water in dropfical patients, and may be exhibited from half an ounce to an ounce.

ELATINE, FLUELLIN, or *female Speedwell*, has a white, fingle, flender root, that defcends directly downwards into the earth, and has but few fibres. The ftalk is round, flender, and fcarce ever rifes to a palm in height; the branches creep upon the ground, but feldom more than to the length of a fpan. The leaves are greater than those of chickweed, as well as rounder, and are of a pale greenish, or hoary colour; they are downy I 6

179

180 THE NATURAL HISTORY

and foft to the touch, and their edges are generally pretty even, though fometimes they are dentated; they are placed alternately on the stalks, and have very short pedicles. From the place where they are joined to the falks proceed fingle flowers, which are fmall, have'a fingle petal, and are of an anomalous perfonated shape, ending in a tail behind, and in the fore part divided into two lips, of which the upper is cut into two or more parts, and the under into three. The flower cup confifts of one leaf, and the embryo rifes from its center and becomes a roundifh fruit, or hufk, divided into two cells by a partition, which are full of feeds. The leaves are intenfely bitter and fubaftringent. It is accounted a great vulnerary, and is faid to cure cancers, the gout. leprofy, dropfy, and king's evil. Four ounces in infusion or decoction is a dole, and of the juice four ounces drank twice or thrice a day; however it is not used in the prefent practife.

ENDIVIA for INTYBUS, Endine, is of three forts. the broad leaved or common Endive, the narrow leaved or leffer Endive, and the curled or Roman Endive. The first has fibrous roots full of milk, and the leaves spread on the ground before the growing of the fislk. The leaves are like those of lettice, now and then crenated. on the edges, and a little bitterifh ; those that grow on she stalk are like those of ivy, but less. The stalk rises fometimes to a cubit and a half in height, and is fmooth, ftreaked, light, and divided into many crooked branches, which pour out a milk when wounded. The flowers and feeds are like those of fuccory. Narrow leaved Endive differs only from the former in having more narrow leaves, and a more bitter tafte. The Roman or curled Endives has leaves that are bigger than those of the common, which are finuated on the edges ; the falk alfo is larger, thicker, and more tender, and the feeds, are black. The first and second forts are now-difused in kitchen gardens, as being vafily inferior to the curledkinds. The featons for fowing the feeds are in May, June, and July, at four or five different times, but that which is first fown is very apt to run to feed, especially, if the autumn prove warm and dry ;, however it is necellary

Digitized by Google

í

1

ceffary to have a little fown in May for the first crop. They should be fown in an open fituation, and in a good rich foil, but not too thick. When they are come up, and grown to about two inches high, they must be transplanted into another good open spot of ground, at about ten inches distant every way, observing to cut off the largest leaves before you plant them, as also to water them conftantly every other evening until they have taken fresh root. Some of the largest must be tied up with ofier twigs to blanch, which should be done in a dry afternoon. You must first gather up all the inner leaves of the plant regularly into one hand, and then those on the ontside that are found, pulling off all that are rotten and decayed, placing them as near as poffible in the natural order of their growth ; then tye it up with a twig very close, about two inches below the top, and about a week after go over the plants again, and give them another tye about the middle. This must be done for the two first fowings ; but those of the latter fowings. should be taken up in a very dry day, and with a sharp pointed dibble plant them into the fides of trenches of earth, which are laid very upright, fideways towards the fun, with the tops of the plants only out of the ground, fo that the hafty rains may run off, and the plants be kept dry and fecured from froft. They will be fit for use in about a month's time, after which they will not keep good long, and therefore fresh ones should be put into the trenches every fortnight at leaft, that you may have a constant supply. The blanched leaves are more tender and more agreeable to the palate than the green. They are cooling and aperient, and ferve to temperate the heat of the blood and bilious humours. They are good in the jaundice and bilious fevers, and four ounces. of the fuice is a dofe.

ENULA CAMPANA, *Elecampane*, has a thick flefhy root, of a dufky colour without, but white within, with an acrid, bitterifh, aromatic tafte. The leaves are a cubit in length, and almost a span broad; they are of a pale green above, hoary underneath, crenated on the edges, sharp at both ends, and fost to the touch. The stalks rife to three or four cubits in height, and are firait.

firait, villous, fireaked, branched; and fupport radiated gold coloured large flowers, whose floretts are hermaphrodites, but the femi-floretts are female, the embryces which are placed on a naked placenta are crowned with down, and they are all included in a fcaly cup. It grows wild in moift fields and meadows in feveral parts of England, and is cultivated in the gardens near London. It may be propagated by feeds, or with the fmall off-fets furnished with buds at the top. The seeds should be fown in a moist bed of light earth soon after they are ripe, and they generally remain in the ground till the following fpring, and when the plants appear they should be weeded and watered in a dry fpring; they fhould remain in the bed till the Michaelmas following, and then they should be transplanted in rows about a foot afunder, and nine inches diffant in the rows, making the holes deep enough, and putting the crown of the root just under the furface of the ground ; then tread the earth gently about them with your feet. The rootswill be fit for, use the Michaelmas following. The root is of great use as well recent as dry. It opens obstructions of the glands, reftores the flux of the menfes and lochia, helps catarrhs, and has often been found good in atrophies. It is fudorific and diuretic, and has been found of fervice in feverifh diforders. It is likewife good in difficulty of breathing, and the moift afthma. The dole of the fresh root is from half an ounce to an ounce in decoction, and of the dry, in powder, from. a dram to two drams. It also helps digestion by restoring the loft tone of the flomach, and by inciding and expelling the impurities contained in the flomach and intestines. For the same reason it is good in cholic pains. proceeding from wind, and cleanles the kidnies. Spirituous liquors extract its vertues much better than the watery.

EQUISETUM, Horfetail, is of two kinds, the greater and the lefs; the greater Harfetail, has a root confifting of a great number of fibres, and at furth it fends out fhoots from a palm to a cubit in height, with knots or joints, where one part is fet in another as in box, with a blackish border surrounding the joint. They are ftreaked.

1

ftreaked, light, and at the top, where there is a fort of a clavated catkin, confifting of feveral ftamina, with an apex like a fungus, of a whitifh brown colour. It is fpicated and barren. The fruit produced by horfetail are black rough grains. In process of time the ftalks grow to a cubit in height, or higher, and almost to the thickness of one's finger; they are round, hollow, generally whitifh, and full of ftreaks, with the fame joints as above. From each joint, or knee, proceeds feveral long, flender, rough, ftreaked, green leaves, like briftles, and there are of these from eight to thirty composed of the like joints as the large flaks. When they are old they become of a bay, or blackish red colour, except on the fide next the fun.

The leffer Horsetail, has a slender, black, articulated, creeping root, furnished with blackish fibres, that proceed from the joints. It produces shoots like the former, which are more flender, long, loofe, fimbriated with blackish cups for receiving the tubes; and the head is like a catkin supporting white apices. The stalks that rife out of these are a foot in height, and are full of knees, or joints, like boxes to receive the upper parts which are inferted in them; they are hollow, a little rough, and from the joints proceed leaves like briftles placed all round them; but they are not fo numerous as the former ; they have ftreaked, fair, deep, crooked furrows, and they grow in a moist fandy ground among corn. Both forts were formerly in use, and were accounted aftringent and good against hæmorrhages, when powdered and given to a dram, or four ounces decocted in wine, morning and evening, or two ounces of the juice. Likewife a dram of the root has been given against spitting of the blood; however they are now out of use with us.

ERUCA, Rocket, has a white, woody, flender, root, with hairy ftalks that rife to a cubit, or a cubit and a half in height. The leaves are like those of mustard, they being long and narrow, with deep incifions on each fide. The flowers at the top of the ftalks confiit of four petals in the form of a cross, of a whitish yellow colour, with blackish ftreaks. The cup is hairy, from whence

184 THE NATURAL HISTORY

whence rifes a piftil, that turns into a pod like that of muftard, but longer, with a partition in the middle. It is divided into two cells full of yellow feeds, larger than those of muftard, and not fo round. The fmell of this plant is ftrong and difagreeable, as well as the tafte. There are feveral forts of rocket that are planted in physic gardens, but are of no great use. They may be propagated by fowing their feeds in the fpring, on a bed of light earth, where they will foon come up, and will be large enough for use in a fhort time; when young they are eaten by forme as a fallad. It is faid to excite the appetite and help digeftion, to ftrengthen the ftomach and to promote urine.

ERYNGIUM, Eringo, or Sea Holly, has a root a foot in length, and about as thick as one's thumb, which is foft and tender, only there is a hard nerve in the middle ; it is blackifh on the outfide, white within, and has a fweet taffe. The falk is freaked, a cubit high, full of a fpungy pith, and fpreading into branches. The leaves are alternately placed, and are broad, fiff, fmooth, of a fea green colour, and deeply cut on each. fide, and terminating in thorns on the edges. Theflowers grow in round heads, and are rofaceous, confifting of five white fmall petals, with as many flamina of the fame colour. The calyx is oblong, and has five fharp points, and turns to two feeds, that are flat where they touch each other, but on the other fide are gibbous, and fireaked. Below these heads there are long, ipinous, ftreaked leaves, terminating in a point, and prickly on the edges. It grows in plenty on fandy and gravelly. shores, in divers parts of England; and the roots are candied and fent to London for medicinal use. They are accounted aperient and diuretic, and are reckoned a great aphrodifiac, but without any just reason, for they are not pungent enough for that purpose, especially when, candied.

ERYSIMUM, Hedge Mustard, has a fingle, white, woody root, about as thick as one's little finger, and the ftalks rife to two cubits in height, which are round, firm, rough, and branched. The first leaves are a palm, in length, and are hairy, being divided into feveral triangular.

2.

Ż

i

ź

1

11)

Ľ

Û

Ŗ

Ż

rà

h K

1

¥,

e I

ć

h

1

ť

i

ì

ť

۰.

1

ļ

1

angular fegments, of which the uppermost is the biggeft-The flowers are fmall, and placed in rows on the branches; they confift of four yellow petals, in the form of a crofs, with a hairy calyx confifting of four leaves. The piftil is changed into a pod half an inch or longer, which is horned and divided into two cells, containing many fmall bay hot feeds. It is accounted good in old coughs, the afthma, and other diforders of the lungs, for it not only diffolves viscid matter in the lungs and fauces, but also in the stomach and intestines, whence it is good in cholics proceeding therefrom. The dole of the leaves in decoction is a handful, and of the feeds, which are beft, to a dram. These last are good in a suppression and difficulty of urine; and some efteem them very much for their good effects against the gravel.

ESULA MINOR, the lefter Sparge, has a woody fibrous root, about the thickness of the little finger, which has an naufcous, acrid, pungent tafte; the falks grow to a cubit in height, and the leaves are placed very thick thereon; they are at first like those of toad flax, but afterwards grow much flenderer and capillaceous. The flowers grow on the top of the branches as it were umbellated, and they confist of a fingle petal, which is in the flape of a flower and of a greenish colour, but divided into four fegments. The pistil changes to a triangular fruit, in which are three cells containing three roundish feeds. The whole plant is full of milk, and it grows by the way fides and in woods.

ESULA MAJOR, has ftakes that grow to a cubit high, and the root is as thick as one's thumb, and is a foot long; the leaves are like those of toad flax, and the flowers are in the flape of a half moon; the fruit is triangular, and confifts of three cells. This plant is likewife full of milk, and is by fome taken to differ nothing from the former, except in fize. All kinds of fpurges have a purging quality, and more efpecially the milky juice; however it is not to be taken without danger.

EUPATORIUM CANNABINUM, Hemp Agrimony, has a thick crooked root, with many large fibres, and the

the stalk rifes to two or three cubits high, and is strait, round, downy, and of a purplish green colour; and alfo full of white pith. The leaves grow thick upon the stalks, and are like those of hemp, they being oblong, acuminated, and ferrated on the edges, The flowers are collected into umbels on the top of the branches, and confift of many tubulous floretts of a purplish colour, divided into five parts at the top, with long capillaments or double piftils, placed upon an embryo in a long, round, fealy cup. The feeds are pappons, or furnifhed with a long hairy down. It grows in waters, and in watery places. It is faid to be heratic, aperient, and vulnerary; and the leaves have a very bitter tafte, with a great degree of pungency. It is faid to be greatly prevalent against the cachexy ; and Boerbaave informs us it is the conftant medicine of the turf diggers in Holland against fourvies, foul ulcers, and fwellings of the feet, to which they are jubject. Some prefcribe a handful of the leaves and tops boiled flightly in a pint of whey, or water, against obstructions of the vifcera and agues, efpecially when patients are inclinable to the dropfy. Many drink it like tea feveral times a day; and others give three ounces of the juice. Externally the leaves and florett tops boiled in wine are good against watery. fwellings, effectially of the forotum.

EUI HRASIA, Fye-bright, has a fingle flender root, with a few large fibres; the stalks rife to the height of a palm and a half, and are round, a little hairy, and blackish, with leaves about a quarter of an inch long, that are roundifh, fmooth, though a little wrinkled, and of a dufky green. They are placed by pairs oppofite to each other, without any pedicles. The flowers grow on the top of the branches, and confift of a fingle perfonated whitish petal, streaked with purple and yellow lines, and divided into two lips. The upper lip is upright, cloven, obtuse, erenated, and hides a few stamina; but the lower is divided into three fegments in the fhape of hearts. The calyx is divided into fcur parts, and contains a piftil fixed in the back part of the flower, like a nail, which turns to a fruit or flat capfula a quarter of an inch long, divided into two cells full of exceeding fmall,

Į

ļ

ŧ

fmall, oblong, afh coloured feeds. It is common in mountainous and woody places. This plant has been greatly celebrated for curing diforders of the eyes; but it is not acknowledged at prefent to have any fuch vertues. It is faid to diffolve the thick grofs humours, efpecially of the brain. The dofe of the leaves, in powder, is from one dram to three, thrice a day.

1

2

1

1

1

1

ł

ŀ

3 f

ļ,

h, **t**, **j**

1

1

۱,

2

1

ß

ŀ

1

7

ij

K d

1

ģ

ţ

1 -

FABA MAJOR HOR TENSIS, Windfor Beans, has a root that is partly firait and partly creeping, with a quadrangular stalk, that is light and has feveral ribs. The conjugation of the leaves are not exact, for there. has been fometimes three, four, five, or more, of an oblong roundish shape, that are flat, of a bluish green, venous and fmooth. The flowers proceed from the hollows where the ribs join to the stalk, and though feveral of them are together they have but one pedicle; they are papilionaceous, and are fucceeded by a long pod fo well known that it needs no description. There are feveral forts of beans, as the Maxen Bean, which is the first and beit fort of early beans at prefent known, and are brought from a' fettlement of the Portuguefe on the coast of Africa; near Gibronta. The feeds of this fort are much lefs than those of a horse-bean, and if they are fown in October under a warm hedge or wall and are carefully earthed up as they grow, they will be ready for the table in May. The early Portugal Bean differs little from the former, though it is not fo well tafted ; but it is commonly uled by gardeners for their first crop. The fmall Spanish Bean will come up soon after the former, and is much fweeter. The Sandwich Bean comes up foon after the Spanifs, and is almost as large as the Windfor bean, but being more hardy is commonly fown The Toker Bean comes up about the a month fooner. fame time with the Sandwich, and as it is a great bearer as well as that, it is now much planted. The white and black bloffamed Beans are in great effeem by fome ; but all these forts are very apt to degenerate, if their feeds are not preferved with great care. The Windfor Bean is allowed to be the best of all, and are the largest. It is feldom planted before Christmai, becaule it will not bear the first to well as any of the former.

mer. Those that are planted in October will come up about a month after, and as soon as they are two inches above ground, the earth should be carefully drawn up with a hoe to the stems; and this must be repeated two or three times, and this will protect them against the frost; but if the winter proves very severe it will be proper to cover them with pease haulm, fern, or some other light covering, which must be taken off in mild weather. The Horse Beam delights in a strong moist foil that lies quite open, for they never thrive well on dry warm land, or in small inclosures. The feasion for fowing these beams is from the latter end of February to the beginning of April, according to the nature of the foil.

With regard to the nature and faculty of beans authors are not agreed; but the common opinion is, that they are windy and hard of digeftion. Some doubt whether they nourifh much or not; however this is certain, that a poor man, in a time of scaroity, kept his family with holled heans alone, and that the children looked as fat and as well as any others that lived better. The meal of dried beans is recknoed among one of the four refolvent meals, and is used by fome as a cataplaím boiled in milk, to refolve and inpurate tamouns. The water diffilled from the flowers is looked upon as a cofmetic, and is flill in uses that is, to take away fpots on the face.

FAGOPYRUM, Buck wheet, has a branched root, with feveral hairy fibres, and the flalk rifes to a cubit or higher : this is round, fmooth, folid, green, and fometimes of a purple colour, and branched. The lower leaves have pedicles two inches in length, but they grow fhorter the higher they are placed, till at length they are placed close to the stalks; they are like those of ivy, fmooth, of a blackifh green, and even on the edges. On the tops of the Ralks and branches there are pedicles an inch in length, that proceed from the places where the leaves join to the stalk, and support spikes of flowers that confift of a fingle petal, with many red stamina, and a calyx divided into five parts, of a whitish purple colour. The piftil changes to an oblong triangular feed, of a dirty blackish colour, contained

t)

d

6

ĺ

b

i

H

2

٩.

í

:

• •

 i_l

tained in a capfula that was the calvx of the flower. When the feeds are ground into meal it is exceeding white, but has an infipid tafte. There are two forts of buck-wheat, one of which is called the common upright. Buck-ubeat, and the other the common climbing Buckwheat; the first of these is cultivated in many parts of England, and is a great improvement to dry barren land. The best featon for fowing the feeds is in May, and one bufhel is fufficient for an acre. The meal, or flour, when mixed with a little wheat flour, makes a very good pancake. The straw is good fodder for cattle, and the grain mixed with oats given to horfes, will make them fat; but it must be first broken in a mill. It is late in the feason before it is ripe ; however it will not fuffer by wet after it is down ; it must lye feveral days to dry, that the stalks may wither before it is got in. The fecond fort is found wild, but is never cultivated. The meal has been fometimes used for cataplasms, but is now neglected.

FILIPENDULA, Drop-wort, has a fleshy blackish root, which terminates in feveral branches or fibres, and near the ends there are knots, or bulbs, fomewhat longer than an olive. There are feveral leaves that proceed from the root, which are finely cut into narrow fegments, and are of a blackifh green colour ; the stalk is generally fingle, ereft, and about a foot in height. It is fireaked, branched, and has but few leaves; and the flowers grow on the top of the flaks in umbels; they are rolaceous, confist of fix white petals, which are a little reddifh on the outfide; there are many stamina and red apices, placed in a cup confifting of a fingle leaf that has a great number of points. The piftil turns into a globous fruit, composed of eleven or twelve rough flat foeds, of a rhomboidal shape, and are so placed together in a head, that they refemble a tub. It grows wild in many parts of England, upon heaths and commons. The leaves of drop-wort have an aftringent, faltish glutinous tafte; the whole plant is faid to incide and attenuate grofs humours, and to carry them off by urine. The roots are more aftringent than the leaves, and are greatly effected by fome against fluxes peculiar

to

190 THE NATURAL HISTORY

to women. The dofe of the root, in powder, is a dram, and fome have looked upon it as a fecret to cure the bloody flux, when given in wine or the yelk of an egg.

FILEX MAS, common male Fern, has a thick branched fibrous root, blackish without, but pale within; the tafte is at first sweetish, then bitterish and subaftringent, but it has no fmell. When the fhoots first appear they are crooked, and covered with hoary down, which in process of time change into broad, branched, upright leaves, two cubits high, eafily broken, and of a light. green colour. They confift of wings, or leaves, whofe middle rib is flightly covered with a ruft coloured mofs. and they are placed alternately; they are blunt at the ends of the fegments into which they are divided as into teeth. There is a black line runs through the upper part of the middle of each nerve, and the upper part of each wing is marked with small veins, but on the lower there is a double row of rufty coloured specks, which are the fruit. They are furnished with an elastic ring, by means of which the feeds are poured out when ripe, that are extremely small. They have no flowers, or at least none have been discovered hitherto.

· FILEX FOEMINA, female Fern, has a root about as thick as one's finger, blackish without, and whitish within, which creeps every way in the ground. It has a strong smell, a bitterish taste, and a clammy juice, when it is cut transversely, or obliquely, there is the reprefentation of a shape, which some fancy to be like that of an eagle. Its stalk, or rather the pedicle, grows to the height of three or four cubits, and is fliff, branched, folid, fmooth, and a little angular; the winged leaves are made up of narrow, oblong, tharpith leaves, that are a little dentated, but fome are even, and others green above and hoary below. The fruit are fmall oval veficles, like those of male fern, but placed on the edges of the composing leaves. It is found every where on barren grounds, and the roots of both the male and female are in use. It is common in many parts of England to burn both kinds of fern, and to make balls with the afhes, which they make use of for buck-

ing,

1

(

ł

1

':F

'n

11

ing, as they call it, their coarfe linnen. Before they are used they make them red rot in the fire, and then they will readily fall into powder when thrown into water. Many vertues have been afcribed to these plants, and some have looked upon them as excellent against the rickets, and they were used by the ancients to cure chronic diseases; the patients at present have too delicate a tafte to drink their naufeous decoctions for any confiderable time. The powder of the root have been given to a dram, for killing of worms, and particularly the broad fort, called Tarnia ; and Simon Pauli declares it was once a great fectet among quacks for that purpole.

FILEX FLORIDA, Ofmund Royal, has several green, fmooth, ftreaked ftalks, with open branches, that grow to the height of two cubits or higher ; from these proceed wings, confifting of eight or nine conjugations up leaves, with a fingle one at the end; they are all upright, three or four inches long, and half an inch broad at the base, and terminate in an obtuse point; there is a nerve that runs through the length, and fends off a vast number of veins at the edges. The shaft of the falk is divided into feveral branches, bearing bunches about an inch in length, from whence the fruit proceeds. There are no visible flowers, or at least they seem to be leaves, in which the feeds grow before they are opened. The fruit are nothing but fpherical capfulæ, not unlike those of the former ferns, which are broken by the contraction of the fibres, and pour out exceeding fmall feeds, that are fcarce vifible without the help of a microscope. It grows on bogs in feveral parts of England. The root has been looked upon as excellent against ruptures and ulcers, when externally applied. Herman recommends the mucilage of the root for this purpofe, and more particularly for boys. It has also been looked upon as a powerful remedy against the rickets. Half an ounce to an ounce and a half of the middle part of the root in decoction, is a dose.

í

: |

1

1

ß

Í,

p.

1

1

3

Ņ

Ł

ļ

FOENICULUM VULGARE, common Fennel, has a perennial root, and is about as thick as one's finger ; it is strait, white, and has a fweetish aromatic taste ; the flalk

ftalk rifes to the height of three cubits, which is ftrait, round, ftreaked, geniculated, fmooth, flender, and covered with a greenifh rind; it is full of a fpungy white pith, and divided into many wings towards the top. The pedicles furround the ftalk and branches like a fheath, from whence proceed the leaves, that are divided into flender fegments, or capillaceous jaggs, of a dark greenifh colour, with a fweet tafte and fmell. It is an umbeliferous plant, for the flowers grow in umbels at the ends of the branches, and are refaceous, and confift of five yellow petals; the calyx turns to a fruit compofed of two oblong thickifh feeds, gibbous and ftreaked on one fide, and plain on the other.

FOENICULUM DULCE, fweet Fennel, differs little from the former, only the flalk is not fo high nor fo thick, and the leaves are less; but the feeds are larger, freaked, whitish, more sweet, and less acrid. They are propagated by fewing the feeds foon after they are ripe, and when the plants are come up they should either be transplanted or hoed out to the distance of fixteen or eighteen inches each way. The feeds must not be fuffered to fhead on the ground, for then they will over-run every thing that grows near them. The fweet fennel is annual, and muft be fown in March, in a warm foil and open fituation. They should be hoed out at the distance of ten inches from each other, and in August the feeds will be ripe; foon after which the roots will decay. The best feeds are those that are brought from abroad, which are fo cheap that it is not worth cultivating here. These plants are diuretic, aperient, sudorific, flomachic, pectoral, and febrifuge; and some would have it to be a specific against the smallpox and measles. The root is numbered among the five aperient roots. The powder of the feeds is given from half a dram to a dram, with fugar in wine. The whole plant, as well as its feeds, is greatly cried up against dimnefs of the eye fight, efpecially for those that have hurt their eyes by reading in the night time ; for which purpose the powder of the feeds should be taken every morning failing with fugar. The effential oil is a great carminative, and from hix to twelve drops on a lump of fugar

I

15

۲ f

1 a

fugar are a dole. It is good against the flatulent cholic, and helps digestion. The use of green fennel with fish is very well known. *Boerbaave* observes that the roots of fennel have exactly the fame smell, taste, and medical qualities, of the celebrated ginseng, and therefore he is of opinion it may very justly supply its place.

FOENUM GRÆCUM, Foennegreek, has a slender, white, fingle, woody root, from whence proceeds a stalk that rifes to the height of half a cubit, which is flender, green, hollow, and divided into wings or branches; and there are three leaves growing upon one pedicle, like those of meadow trefoil; they are flightly ferrated on the edges, and are fometimes more broad than long; they are green on the upper fide, and of an ash colour below. The flowers proceed from the places where the pedicles join to the stalk, and are papilionaceous and whitish, which change to pods a palm, or a palm and a half in length; they are flattifh, a little crooked, narrow and flender, with a long, light, flender, fwordlike point; they contain many feeds of a rhomboidal shape, that are yellowish, and have no very agreeable fmell. 'They have a mucilaginous tafte, and the meal made therewith foftens, digefts, ripens, and difcuffes tumours, and eafes pains, for which reason it enters emollient, and ripening fomentations and cataplaims. It is also prefcribed in carminative and anodyne glifters, to abate the acrimony of the humours, and to bellow a mucus on the eroded inteffines. The mucilage is good against suggillations of the eyes, and in their inflammations.

FRAGARIA, the Strawberry plant, has a perennial reddifh root, confifting of many capillaceous fibres, of an aftringent tafte. The pedicles are a palm in leugth, and are flender, hairy, and branched at the top, fome of which fuftain leaves, and others flowers; there are three leaves on every pedicle that refemble those of cinquefoil, which are veinous, hairy, ferrated on the edges, of a greenish colour above, but whiter below. There are four or five flowers upon one pedicle, that are rofaceous, and confit of five whith petals, with as many flort Vol., VI, K ftamina

ł

1

e

Ł

e

1

11

194 THE NATURAL HISTORY

stamina fustaining yellow apices. The pistil is globous, and placed in a cup composed of ten parts or fegments. The piftil turns to a globous fruit, which when ripe is red. though fometimes whitifh, and is very well known. It grows wild in shady places, and is cultivated in gardens. They are of feveral forts, as the common, or wood Strawberry; the common Strawberry with white fruit; the Hautboy; the Virginian Strawberry with fcarlet fruit; the large Chili Strawberry; the globe Hautboy; and the Strawberry with a small greenifb white fruit. The first and second forts are found wild in the woods, from whence they are transplanted into gardens, by which the fruit is improved, the beft feafon for which is September. The best foil for these plants, is fresh hazily loam, not over rich, and the ground fhould be well dug and cleared from the roots of all noxious weeds. It should be made quite level, and marked out into beds about three feet and a half wide, leaving a path between each bed two feet broad. In these beds may be planted four rows, and the plants flould be at leaft eight inches afunder in the rows, when they are defigned for the wood ftrawberry, for the others will require more room. If it is a dry fpring they should be well watered, otherwife there will be no fruit, and the beds must be well weeded from time to time. In the beginning of Ostober all the ftrings, or runners, from the root, should be cut off, and the weak plants pulled up where they are too close. Then dig up the walks between the beds, burying the feeds that came off at the bottom, and throw a little fine earth on the beds between the plants, but not fo much as to bury them. They will not continue to bear well above three years. Strawberries are cooling. quench thirst, loofen the belly, promote urine, and expel imall gravel. They fhould be eaten with cream, because with milk they curdle upon the stomach, but they are best in wine, though not to easy of digestion. The roots and leaves are diuretic and aperient, for which reason they are recommended by some in obstructions of the viscera, and the jaundice.

l

ł

FRAXINUS, the Affe-tree, has a fingle firait root, and confiderably thick; it grows very tall, and is covered

OF VEGETABLES.

vered with a fmooth ash coloured bark. The wood is whitish, smooth, hard, and undulated; and the boughs are placed over against each other, and are a little knotty, with a white fpungy pith on the infide; but those that are old are entirely woody and without knots. The leaves are pennated, and most end in an odd lobe : they confidt of four, five, or fix conjugations of leaves, which are like those of lawrel, but are foster and of a lighter green; they are a little ferrated on the edges, and have a bitterifh, acrid, biting tafte. From the tender branches, near the rife of the leaves, branched pedicles hang down, on which are many fmall flowers without petals; but they have a double apex and a forked piftil, to which fucceed flat, membranaceous, oblong, narrow fruit, an inch and a half in length, and not unlike the tongue of a bird. The feed is reddilh without, but whitish and pulpy within, and is much of the fame shape. The leaves are faid to be vulnerary, the bark diuretic and febrifuge, and the feeds diuretic and aphrodifiac; but they are feldom in use. However fome affirm that a dram of the powder of the dried feed is not only good against the stone, but a most excellent remedy against the jaundice and dropsy.

FUMARIA, Fumitory, has a flender, white, and pretty fibrous root, that runs directly down into the The stalk is fometimes fingle, and fometimes ground. divided into feveral branches, which are angular, light, fmooth, and partly of a purplish, and partly of a whitish green colour. The leaves towards the bottom have long pedicles, and they are like those of the umbeliferous plants. The flowers are collected into fpiker, and are of an anomalous shape, somewhat refembling a papilionaceous flower, confifting of two petals which open like two lips, the uppermost of which terminates like a four or tail. Between these lips there is a pikil contained in a sheath, with stamina furnished with a few apices. Each fruit turns into a pod in the fhape of a fcull, containing roundifh fmall feeds, of a greenifh black colour, with a bitter difagreeable tafte. The leaves are intenfely bitter, and are faid to open obstructions, to strengthen the stomach and viscera, and to promote the menses and K 2 urine ;

urine; hence it is faid to be good againft melancholy hypochondriac diforders, the jaundice, and the fcurvy. *Hoffman* affirms it is one of the beft purifiers of the blood in the world. The dofe of the juice is to five ounces and upwards, but a handful of the florett tops are generally boiled gently in a pint of whey, which being fweetened with an ounce of the fyrup of violets, ferves for a dofe. Some look upon it as a fpecific againft the itch, and all difeafes of the fkin, for which purpofe Simon Pauli gave the fimple infusion in whey.

FUNGUS CAMPESTRIS ESCULENTUS VUL-GATISSIMUS, the common elculent Mulbroom, when it first appears is globous, after which it expands by little and little, and underneath there are reddiff plates placed near together all round; on the upper part it is fmooth and white, and the flesh is extremely white ; and it has a fhort thick pedicle. The fmell and tafte is good when it first appears out of the earth, and it should be gathered before it is expanded; for when it is older it has a stronger smell, and is of a brownish colour. It grows almost every where in woods and pasture grounds after rain. They have now a method of cultivating it in gardens; in order for which fome are to be fought for in August and September, and having found them you muft open the ground about the roots, where you will often find the earth full of fmall white knobs, which are effects, or young mushrooms. These should be carefully gathered, preferving them in lumps with the-earth about them. The beds to receive this spawn should be made with dung, in which there is plenty of liquor; and that is best which has lain spread abroad for a month or longer. These beds should be made on dry ground. and the dung should be laid upon the surface; the breadth fhould be two feet and a half from the bottom. and the length in proportion to the quantity of muchrooms defired. The dung fhould be a foot thick, and covered with about four inches of ftrong earth; then lay more dung ten inches thick, and then another layer of earth ; still contracting the fides of the bed to as to form it like the ridge of a house. This done it should be covered with litter, or old thatch, to keep out the wet, and

and to prevent its drying. It muft remain thus eight or ten days, and the fpawn, which fhould be always kept dry till it is ufed, fhould be thruft into the bed after the covering is taken off, and another put on of earth about an inch thick. It fhould be laid in lumps two or three inches afunder, and then covered with the fame light earth half an inch thick, over which the litter muft be laid again to keep out the wet. The foring and autumn are the best feafons for this purpofe, for then the muftrooms will appear in about a month. The bed will continue good for feveral months, and produce great quantities of muftrooms; and they will likewife-fupply you with frefh fpawn, which muft be laid up in a dry place till the proper feafon.

FUNGUS VERNUS ESCULENTUS, called Mouceron by the French, makes its appearance in the fpring, with fhort fibrous pedicles, that fuffain heads about the fize of a pea. They are round at the top, but below they are bent downwards like a tent, and there are alfo furrows from the centre to the circumference; when they are full grown they are expanded like the former. They are entirely white both within and without, and have a most agreeable fineli and tafte. They are generally looked upon to be wholefome, though fome affirm they are noxious; which may be owing to their having miftaken one fort for another. However fome are fo fully perfwaded they have bad qualities, that they think they are only fit to throw upon the dunghill.

FUNGUS PULVERULEN TUS, free CREPITUS LUPI, et LYCOPERDON, Puff-balls, or Bull fifts, has no evident pedicle, is of a roundish shape, and generally about the fize of a walnut. When it is young it is covered with a whitish as coloured skin, that is not fmooth but granulated, and contains a white, fost, greenish pulp, which asterwards becomes light, spungy, and of the colour of soot; when it is quite decayed it turns to a dry fine powder, with a foetid smell and an aftringent taste. When it is trod upon it makes a crackling noise, and emits the powder like smoke. There is another kind of this fungus that grows to the fize of a man's head, and is covered with a strong membranaccous skin, K 3 which which is at first of a whitsh as colour, which becomes livid by degrees. When it is dry it is so light that one of the above fize will (carce weigh an ounce; but this is chiefly to be met with among the *Alps*. They are never given inwardly, but outwardly they are used to ftop blocd, and to dry up running ulcers, by fprinkling the powder on the parts; however the dust is dangerous to the eyes.

.t

ì

2

-1

1.18.2

4

GALEGA, Goats Rue, has flender, woody, white, fibrous perennial roots, and stalks that rife to the height of two cubits and upwards, which are light, fireaked, and divided into feveral branches. The leaves are winged like those of vetches, and there is always a fingle one at the end; but they are longer and terminate in a fost thorn. The flowers are of the papilionaceous kind, and are white, or of a whitish purple colour. It confifts of the standard, the wings, and the keel; and the pistil becomes a long taper pod, containing oblong feeds in the shape of a kidney. It grows wild in Italy, but with us is cultivated in gardens. They may be propagated either from the feeds, or by parting of their roots. The best feasion for the fowing the feeds, is in the beginning of March, in a light foil, and in an open fituation ; when the plants are come up they fhould be well weeded, and if they are too close fome of them should be pulled up, leaving the reft at eight or nine inches diffant from each other. The next year these plants will flower and produce ripe feeds. The roots may be parted into small heads in order for their increase in autumn. It is accounted a great alexipharmac, and has been commended in pettilential fevers, and for the epilepfy in children. The herb may be eaten either crude or boiled, or a spoonful of the juice may be given for a dofe. Some look upon this herb as a great prefervative against the plague, and likewise affirm it to be good to kill worms.

GALEOPSIS, dead Nettle, or flinking dead Nettle, has a creeping root, with flender fibres proceeding from the joints; the flalks rife to the height of a cubit, or a cubit and a half, and they are fquare, hairy, light, and branched. The leaves are placed by pairs opposite to each

OF VEGETABLES.

each other, and are fomewhat broader than the common nettle, but fharp at the points and ferrated on the edges ; they are covered with a fort of down, and on the tops of the falks and branches there are fpikes of flowers, which confift of a fingle petal, which is labiated, and the upper lip is hollow like a fpoon; but the under one is divided into three fegments, of which the middlemost is the largeft ; the flamina as well as the flower, are of a purple colour, with a strong disagreeable smell. The cup of the flower is in the fhape of a funnel, divided into five parts, and the piftil is fixed to the back part of the flower like a nail, and is attended with four embryces, that turn to as many oblong feeds, which when ripe are black. It is faid to be vulnerary, and that when the fresh leaves are bruised and laid upon old ulcers it will heal them in a fhort time.

GALEOPSIS ANGUSTIFOLIA FOETIDA, narrow leaved flinking dead Nettle, has a geniculated creeping root, and ftalks two or three cubits high, that are reddifh, hairy, rough, fquare and light; the leaves proceed from the knots by pairs, and are placed over againft each other; they are narrow, acuminated, hairy, foft, and ferrated on the edges. The flowers grow in fpikes, and confift of a fingle, labiated, purple petal. The flower-cup is fhort, and divided into five parts, containing four black, fhining, and almoft triangular, feeds. It grows wild in moift woody places, and near the fides of rivulets. It is faid to have the fame vertues as the former, and its vulnerary qualities are greatly cried up by fome.

GALEOPSIS FLORE LUTEO, dead Nettle with a yellow forwer, has an unequal root with many large fibres, and the flaks are long, fquare, deep and hollow; on which the leaves grow by pairs opposite to each other. The flowers that furround the flaks are labiated, galeated, hairy at the edges, and confist of a fingle petal, with white flamina, and yellow apices; the flyle is purple, forked, and proceeds from the center of the flower-cup. It is feldom or never used.

GALLIUM LUTEUM, Ladies Bed firarw, or Cheefe Rennet, has a finall, creeping, flender, woody, brown K 4 rout,

root, from which fquare fleiks proceed to a cubit in height. The leaves are placed at the joints of the flak, in a radiated form, and are five or fix in number; they are long, narrow, flender, foft, and of a darkifh green colour. From every joint proceed two branches, on which are flowers, confifting of a fingle petal, in the form of a bell, which is expanded towards the upper part, and divided into four fegments. The calyx turns to a fruit composed of two dry roundifh feeds. The florett tops are in use. Some of the modern physicians commend it against the epileps, and give a dram of the powder for a dose, of the juice four ounces, and a handful in decection. It is also faid to flop bleedings, and fome pretend that drank as tea it is good against the gout.

GENISTA, Broom, is a thrub that fometimes grows to be as tall as a man; the root is hard, woody, tough, yellow, and furnished with crooked fibres. The stalks are flender, woody, and many twigs proceed from them, that are angular, green, tough, and about them there are small, hairy, dark green leaves, sometimes growing three together, and fometimes fingle. The flowers that grow thereon are of a beautiful yellow, and papilionaceous, with crooked ftamina, and faffron coloured apices ; to which fucceed flat broad pods, which are blackifh when ripe, and full of flat, hard, reddiff feeds, in the fhape of a kidney. It grows in barren grounds all over England. There are feveral forts of these plants cultivated in gardens, and they may be propagated by feeds, which fhould be fown on a moderate hot bed in the -fpring; as foon as the plants are ftrong enough to remove, they fhould each be fet in a pot filled with light earth, and it will be fafeft to plunge the tender kinds of them into a very temperate hot bed, where they should be fhaded till they have taken root ; then they fhould be inured to the open air by degrees; but in winter they should be placed in a good green-house, and in mild, weather they should have as much free air as possible. Several of them are useful in dying, and therefore they have the name of dyers weeds. Common broom is intenfely bitter, and the leaves tops and branches decocted

Digitized by Google

in

Ìe.

ti.

Ţ

ž

2

ģ

;Ţ

17 1 1

д

ł

2

5

ł

ž

1

3

102 - 10

;

14 140

1.1

ł.

t

2

ŝ

in wine or water, are useful in dropfies, and in all obftructions of the kidnies and bladder, for they partly purge off the ferous humours by ftool, and partly by urine. A dram and a half of the feeds will purge very brikkly, and fometimes vomit. In fome places they mix the flowers with fallads, without any bad effects. A lye made with broom afhes is highly commended againft the dropfy and cachexy, for it will powerfully carry off ferous humours by ftool.

GERANIUM COLUMBINUM, Dove's foot, has a white, fingle, branched root, with feveral stalks that arife near a foot in height, the leaves are like those of mallows, and divided into feveral fegments ; but they are not to large nor to imooth, and they are ferrated on the edges. There are two flowers on each twig near the top of the stalks or branches, and generally over against the leaves; they are small, rofaceous, of a beautiful purple colour, and confift of five petals, and the pifili turns into a fruit like the bill of a bird, with five ftreaks that run according to the length, and is joined to as many capfulæ; it is long, flender, sharp at the end, almost half an inch long, like the bill of a crane, and is a little hairy; in each of the capfulæ is contained one. tailed feed, which when ripe is thrown out by the twifting of the bill.

GERANIUM ROBERTIANUM, Herb Robert, has a flender root, of the colour of box, and the ftalks rife to the height of a cubit; thefe are hairy, geniculated, and reddifh, efpecially about the joints and near the earth. The leaves proceed partly from the root, and partly from the ftalks, and are hairy as well as the reddifh pedicle; they are divided almost like mother wort, and are a little red on the edges, and fometimes entirely fo. The flowers are rofaceous, confisting of five petals, and are of a purple colour, ftreaked with a deeper purple. The calyx is hairy, of a blackifh red, and divided into five parts, with faffron coloured apices in the middle, which are fucceeded by bills as the former, containing the like feeds; the whole herb has a ftrong fimell which is not difagreeable.

K 5

Digitized by Google

GERA-

Ċ

t

1

Ŗ

.

٠.

1

<u>ا م</u>

í

仲

٩į

ŧ

ć

ł

ġ

k

GERANIUM SANGUINEUM, bloody Cranes-bill. has a red thick root, and many long thickish appendages, with a few fibres, and every year new fhoots pro-ceed from the roots. It has feveral stalks that arife to a cubit in height, that are reddifh, hairy, geniculated; and divided into many wings. A pair of leaves proceed from every knot, which are divided into feveral parts. and are hairy and green above, but hoary below; there are oblong pedicles that proceed from their upper wings, that fultain a fingle flower, which is the largest of any that belong to these kind of plants ; it is of a beautiful red colour, composed of five petals of the fame colour, and ten small stamina that are supported by five hairy, greenish, small leaves. The bill is in the shape of a pentagon, and contain fwelling tailed feeds, which are thrown out by the twifting of the bill with an noife. There is another Geranium, called Geranium Batrachoides, Crow foot Cranes-bill with a blue flower, which has all the characters of the former, except the colour. Herb Robert has a flyptic, falt, tartish tafte, and is accounted a great vulnerary. It is faid to be very rowerful in stopping hæmorrhages, and that it dissolves coagulated blood. The dofe of the powder is a dram taken in wine. Bloody cranes bill is also ftyptic, and has been used in vulnerary decoctions, or broths. Doves foot cranes-bill has the fame vertues as the two former, and a fyrup made of the juice is commended against the bloody flux.

GNAPHALIUM, Sea Cad Weed, or Cotton Weed, has a root that creeps every way, and the leaves that proceed from it lye on the ground; these are oblong, with a roundis point of a light green colour, and hoary on the . lower fide; among which arise the flalks to near a foot in height, which are covered with a fort of down, or cotton; and the leaves are long and narrow. The flowers grow on the top of the flalks, which confist of floretts in the form of a flar, which are placed on an embryo, and comprehended in a scaly fining cup. This turns to a feed with downy threads thereon. It is cooling, incraffating, and aftringent; and has been recommended in diforders of the lurgs, as well as for flopping catarrhs;

catarrhs; and there has been a conferve kept in the fhops for these purposes.

GRAMEN CANINUM, Quick-grafs, or Dogs-grafs, has whitish yellow creeping roots, full of knots, with a fweetish taste, though a little styptic. The stalks rife to the height of two cubits, and are ftrait, knotty, and furround the base of the stalk like a sheath ; they are a palm in length, and about a quarter of an inch broad, terminating in a very fharp point. The flowers grow in fpikes on the top of the stalk, and confist of stamina with short beards, and oblong dusky feeds, fomewhat in the shape of wheat. It is to be met with every where.

GRAMEN DACTYLON, Manna-grass, has a long, knotty, geniculated, whitish, creeping, perennial root, and there are small fibres that proceed from every knot. The flalks are thorter than those of the dog-grafs, and are round, geniculated, and often reddifh. The leaves proceed from the knots, and furround the stalks at the lower part; they are fliort, narrow, hairy, but longer at the top. The stalks, or reeds, are divided into four. five, and fometimes fix green spikes, that are blackish when ripe, and fometimes mixed with purple. The fmall bladders have beards on one fide which hang down, and the other fide is plain. It is very common in the fouthern parts of Europe. The roots have a fweetifh tafte, fomewhat like fugar, and they are moderately opening, cooling, and aftringent; they gently provoke urine, and are faid to be good in obltructions of the liver and fpleen. Some give a dram of the powder to kill worms, and to cure the rickets; but it is hard to fay for what reason.

GRATIOLA, hedge Hyffop, has white, creeping, geniculated roots, with many fibres that tend downwards ; the stalks are upright, geniculated, and rife to the height of thirteen or fourteen inches, on which the leaves are placed by pairs opposite to each other. They are above an inch in length, half an inch broad, fmooth, venous, and extremely bitter. The flowers proceed from the joints, and confift of a fingle tubulated petal, perforated behind, and of a yellowith colour, with brown lines, K 6 and

and crocked like a horn; they are two thirds of an inch long, a quarter of an inch thick, and are divided into two light purplifh lips; the upper lip is in the fhape of a heart, and bends upwards; and the lower is divided into three fegments. The calyx confifts of a fingle leaf divided into five fegments, and from its bottom proceeds a long piftil, which changes into a light reddifh capfula, divided into two cells full of flender reddifh feeds. It is a hydragogue, and works both upwards and downwards. It is recommended againft the dropfy, and obftructions of the liver and fpleen; but it is fo violent in its operation that it ought to be given to none except robuft patients; but as we have better medicines for thefe purpofes, it is no wonder the afe of it fhould be laid afide.

T.

Ű,

1

٢.

¢

ħ,

ù

15

T:

ıR,

-12

2

2 1 H C

M. C. M. M.

1

į

ì

GROSSULARIA, the common Goo/eberry, is a thrub, and has a woody root; it is fometimes two cubits high or higher, and is full of branches, with a bark, when full grown, of a purplish colour, and there are long sharp thorns at the rife of the leaves, two or three of which are placed together. These have short pedicles, and are of the breadth of a man's nail, or fomewhat broader, and are laciniated or jagged. The flowers are fmall, and feveral of them proceed together from the fame tubercle as the leaves, and have a very fhort, hairy, reddifh pedicle; they are rofaceous, confifting of five petals of an herbaceous whitish colour, with a calyx confifting of a fingle leaf in the shape of a bason, and divided into five reddifh fegments bending downwards, with five stamina and a greenish pistil. The hinder part of the calyx turns into a globous berry univerfally known. There are feveral forts of goofeberries befides this cultivated in gardens, as the large manured Gooseberry, the red bairy Gooseberry, the large white Dutch Goofeberry, the large amber Goofeberry, the large green Goofeberry, the large red Goofeberry, the yellow leaved Gooseberry, and the striped leaved Gooseberry. These are propagated by suckers taken from the old plants, or by cuttings, which is best. The best seafon for planting them is in autumn, just before their leaves begin to fall, always taking the handfomest shoots, that proceed

OF VEGETABLES.

proceed from branches that bear the greatest quantity of fruit. They should be fix or eight inches long, and planted in a border of light earth about three inches deep, and exposed to the morning sun, observing to water them a little when the weather proves dry ; when they begin to grow the under fhoots fhould be rubbed off, leaving only the uppermoft and strongest. In Ostober following these plants will be fit to remove to an open fpot of fresh earth, in which place they may remain for a year, and all the lateral fhoots fhould be taken off, fo as to leave the item clear about a foot above the furface of the earth. In a year's time they may be removed to the place where they are to remain. The best season for transplanting them is in October. As to the physical vertues nothing need to be faid about them, they being only eaten for pleasure, or used to make goofeberry wine.

HEDERA TERRESTIS, Ground Juy, has a creeping fibrous root, with flender, quadrangular, reddifh, hairy stalks, on which the leaves are placed by pairs on long pedicles; they are roundifh, an inch broad, hairy, and crenated; the flowers grow on the top of the stalks. and confift of a labiated fingle petal. The upper lip is divided into two fegments, that turn back to the fides, and the lower into four fegments, and the tube is variegated within with deep purple fpots and lines, and the opening of the mouth is covered with a fort of white down. The piftil is flender and forked, and the calyx is oblong, narrow, ftreaked, and divided on the edges into five fhort fegments, which when the flower decays has a swelling belly, containing four oblong, roundish, fmooth feeds. The whole plant is opening, cleanfing, discutient, and vulnerary. It is excellent for wounds and ulcers of the vifoera, and is good in the beginning of a confumption. The dole of the tops reduced to powder is from half a dram to a dram twice a day. It is also good against the gravel as well as the cholic. Some prefcribe it to those that make bloody purulent urine, and to diffove grumous blood occafioned by falls. Ray affirms that the powder fnuffed up the nose will cure a violent head-ach. It is common about London to infule

fuse the dried leaves in malt liquor, and then it goes by the name of gill-ale.

HEDERA ARBOREA, common I-vy, is well known in most parts of England, and sometimes grows very la ge, forming a fort of a tree, and at other times fastening itself to trees, walls, houses, and churches. It fends forth roots or fibres from its branches, by which it faftens itself to whatever is near it, from which it receives a great part of its nourifhment; the leaves are angular, and the flowers confift of fix leaves, that are fucceeded by black berries which grow in round bunches, each of which contains four feeds. The leaves are faid to be heating, drying, and fubastringent, but are feldom given inwardly because they are offensive to the nerves. The berries purge upwards and downwards, and the leaves applied to corns will take them away in a fhort time. The gum has been treated of in the former pa:t.

HELIANTHEMUM, the dwarf Sun-flower, has a white woody root, and feveral flender round flaks lying on the ground, which are hairy and befet with oblong narrow leaves with blunt points, and fomewhat broader than those of hyffop, green above and hoary below. The flowers grow on the tops in long fpikes, and are yellow, rofaceous, and confist of five petals, with many yellow fmall flamina, that proceeds from a three leaved cup, fireaked with red lines. The piftil turns to a large triangular fruit, that opens three ways, and contains reddift triangular feeds. This plant grows fpontaneoufly in feveral parts of England. This herb is a vulnerary and aftringent, whence it has been given in fpitting of blood and all forts of fluxes, but is now out of ute.

HELIANTHEMUM TUBEROSUM, five HELI-ANTHEMUM INDICUM TUBEROSUM, the Potator plant. One ftalk or more rifes from each root, which is green, ftreaked, rough, hairy, and attains the length of twelve feet or upwards, full of a white fpungy pith. The leaves are many, placed in no order, and from the bottom to the top, and are greenifh, rough, broad, and acuminated like thole of the common funflower, but not fo much wrinkled nor fo broad. The ftalks

ķ

Ł

OF VEGETABLES.

fialks foon after their rife are branched, and the leaves decrease in fize from the bottom to the top. The flowers grow on the top of the stalks, and are of the fize of marvgolds, and radiated. The difk confifts of many yellow floretts, with a crown composed of twelve or thirteen ftreaked pointed gold coloured femi-floretts, placed on embryoes in a fcaly villous cup. The embryoes turn into small feeds, and the stalk emits feveral slender creeping roots, that fpread themselves on all fides, between which there are many tuberofe roots, fometimes adhering to the chief root, and fometimes connected to long fibres a foot distant from them. One root will produce thirty, forty, fifty, or more potatoes. These are reddifh or whitish without, and confist of a whitish fubftance, or flefh, with a fweetish tafte, and are often bigger than a man's fift. They continue in the ground all the winter, and the next year they fpring again. This plant has been greatly propagated in England for this forty or fifty years past; for though it was brought from America in 1623 it was not much cultivated before. because they were then thought only fit for poor people; but now they are in general effeem. It always used to be ranked among the kinds of folanum, and by Linnaus it is placed under those of the Lycoperfican, or the Love Apple. It is propagated here by the roots, which if large are cut into pieces, preferving a bud or eye in each ; but the best method is to plant the finest roots entire, allowing them a pretty large fpace of ground between the rows, as also each root, and then those that are produced will be large the following autumn. A light fandy loam is best, if not too dry or moist, and it should be well ploughed two or three times, and the deeper the better. They are of little use for any thing but food, and fome pretend they are very windy, while others infift upon the contrary; however they are very nourishing, abate the acrimony of the blood and juices, and are confequently good in diforders of the breaft. There are fome people in *France* that eat them raw with falt and pepper.

HELIOTROPIUM, Turnfole, has a fingle, fmall, hard, woody root, with a stalk that grows to about a foot

foot in height, which is full of pith, and is round, branched, a little hairy, and without of a fort of hoary green colour. The leaves are of an oblong roundifh shape like those of basil, but whiter, rougher, and of the fame colour with the stalk. The flowers grow on the top of the stalks or branches, and confist of one leaf in the shape of a funnel, having the center wrinkled and folded, and the brim cut into ten fegments, which are unequal, alternately. The cup is downy, from whence rifes a piltil fixed to the lower part of the flower like a nail; and is attended by four embryoes, that turn into as many angular feeds, that are gibbous on one fide, and of an ash colour. The leaves are bitter, and they , are faid to take away warts, and other excrescences on the fkin; fome affirm they are good against cancers, creeping ulcers, gangrenes, and fcrophulous tumours ; but it is not now in use.

HEPATICA FONTANA, Liverwort, has flender hairy roots, lying under leaves near an inch broad, and twice as long, of a yellowish green above and scaly like the skin of a serpent, and in the middle of each scale there is a fmall fpot. It does not appear to have any flower. There is a finuated, lunous, white flak, about four inches long, which is firm, full of juice, transparent, and of the thickness of a rush, on which there is a small cap, or fungus, whose lower part is divided into five fegments. It is at first green, afterwards a little yellowish, then quite yellow, and at last red. When those lower parts are broken they difcover a blackish fruit, which being opened produce a blackish powder like foot instead of feeds. It grows among stones in watery shady places. This herb is faid to be inciding, abstergent, astringent, and confolidating; but itis now of no ule among us.

HEPATICA NOBILIS, five HEPATICA TRE-FOLIA, noble Liverwort, has a fibrous perennial root; composed of feveral heads, or knots, from each of which the flowers proceed, and then the leaves, which confift of three lobes growing on a pedicle that rifes from the root; the pedicle of the flower is naked and fingle, and the calyx confifts of one leaf cut into three fegments.

Digitized by Google

11

e C

3

1

M. ST. B. S. M.

Ľ

E B TO DE W B B B B B B

 h_j

ù,

The flowers are rofaceous, and are composed of fix or eight blue petals, and many ftamina with their apices; the piftil is globous and warty, and turns to a head containing feveral fharp feeds. There are other kinds with flowers of different colours, by which they are diffinguished from each other. It is accounted a vulnerary, but is now of little or no use among us, though many affirm it is cooling, gently aftringent, and an excellent ftrengthener when the fibres are lax.

HERBA PARIS. Herb Paris, has a flender longifh root, with a few joints or knots, and it creeps obliquely into the ground. The stalk is round, folid, fingle, two palms in height, reddifh below, and greenifh above. About this there grow four leaves in the form of a cross. which are fharpish at the base, rounded in the middle, and pointed at the end; they are wrinkled and nervous, even on the edges, fhining above, and blackish beneath. On the top of these grows a flower in the form of a cross, confisting of four long, narrow, exceeding sharp, greenish petals, with eight long, sharp, green stamina, The calyx is composed of four broadilh, acuminated, greenish leaves, in the middle of which is a pistil or embryo of the fruit, with a fhort ftyle, and which turns to a foft globous berry, of a black purplish colour, and divided into four cells, containing small, oblong, whitifh feeds, of the fize of those of poppies. The fmell is frong and difagreeable. Some have taken it to be poifonous, while others affirm it is an alexipharmac, and that is has cured feveral dogs that were poiloned, by giving the quantity of two drams in powder. Some recommend the berries in the plague, and all contagious difeases, affirming that they expel the malignity by Some presend it will cure madness if half a fweat. fpoonful of the powder of the herb is taken every morning fasting for twenty days together. After all Simon Pauli would not have it given inwardly at all.

HERNIARIA GLABRA, fmooth Rupture-wort, and HERNIARIA HIRSHUTA, hairy Rupture-wort, are both fmall herbs that lye on the ground, and are divided into feveral branches that proceed from a fmall root that defcends directly downwards; the stalks are round, reddafh,

difh. and full of joints, at each of which there are very fmall leaves placed in pairs opposite to each other, lefs than those of dodder, and of a yellowish green colour. From the fame joints there proceed many flowers that are fmall, yellowish or white, without petals; but there are many stamina. The pistil turns into a very shining, fmall black feed, contained in an oblong ftreaked capfula, that was the calvx of the flower : Millar informs us there are eight cells in each capfula, each of which contains a fmall pointed feed. This plant was once famous for curing of ruptures; but it is not now in efteem for that purpose. It is a very mild aftringent, and is likely to be of fome fervice in a flaccid state of the viscera. The dose of this herb, in powder, is a dram, and when a handful of the herb is fleeped in a pint of wine or water, five or fix ounces may be given at a time.

HORDEUM, Barley, is of feveral kinds, as the common long eared Barley, winter or square Barley, or bear Barley, by fome called Big, and fprat Barley, or battledore Barley. They have all a thick spike, and the hufk, calvx, awn, and flower, are like those of wheat or rye; but the awns or beards are rough, the feed fwells in the middle, and generally ends in a tharp point, to which the hufks are united. Barley is cooling and eleanting, and ferves in many places for the making of bread, effecially when wheat is fcarce; but it is not fo nourifhing or eafy of digestion. When its outfide is taken off by grinding, it becomes very white, and fomewhat of a pearl colour, for which reason it is called pearlbarley. This is much used in Scotland for making broths, as well as in fome parts of the north of England. The use of barley for making malt, and the use of it afterwards for brewing ale and beer, are now universally known.

ĩ

1

İ

-1

2

ķ

¢

N. W. W. W.

÷

ų

4

N,

Q.

ŧ,

HORMINUM, Clary, has a fingle, woody, brown root, with many fibres, from whence arifes a talk to the height of two cubits, about as thick as one's finger, quadrangular, hairy, geniculated, and divided into branches; it is full of a white pith, and the leaves are fet by pairs oppofite to each other, which are hoary, wrinkled, of a roundifh roundifh oblong fhape, a fpan in length, and half a fpan broad, terminating in a point, and a little dentated or crenated on the edges; they are a little hairy, and they gradually decrease in fize from the bottom to the top. The flowers proceed from the places where they joint the stalk, and confist of a labiated fingle petal, whose upper lip is long and falcated, with a flender crooked piftil, cloven at the top, and attended with four embryces; there are two flamina with oblong apices, that are hid thereby; but the lower lip is divided into three fegments, the middlemost of which is hollow like a spoon. The calyx is tubulated, streaked, glutinous to the touch, and divided into five fmall fpines, whereof three arife above the flower, and the other two are below. The embryoes at the bottom of the calyx when they are ripe turn to four large roundifh feeds, gibbous on one fide, angular on the other, flippery, and bright, and of a reddiff colour. It is found dry on many banks in various parts of England; but there are many other forts that are cultivated in gardens. Clary is greatly recommended against the whites in women, hysteric fits, and the cholic. The leaves and flowers are given in decoction in water and wine. Hoffman looks upon it as a specific against spalms of the intestines and nervous parts. It is usually drank as tea.

HYOSCYAMUS NIGER VULGARIS, black Henbane, has a thick, wrinkled, long root, divided into many parts, brown without, and white within, with broad, foft, hairy leaves, of a light green colour, and deeply cut on the edges ; they are placed in an irregular order, on branched, thick, roundish, hairy stalks, that arife to a cubit in height. There are long rows of flowers on the stalk, that confift of a fingle petal in the shape of a funnel, with a short cylindraceous tube, and it is divided into five obtufe fegments, of a yellowifh colour on the edges with purplish veins; but the middle is of a blackifh purple, with five thors purple stamina, and thick oblong apices; the piftil is long and white; with a round apex, and the calyx is hairy, oblong, and confitts of a fingle leaf, having fliff acuminated teeth on the edges, of which there are five in number ; this turns to

to a fruit in the fhape of a pot with a cover to it, and is divided into two cells, containing feveral affi coloured, fmall, roundifh, wrinkled, flat feeds. The whole plant has a difagreeable fmell, that renders the head heavy and produces fleepinefs. It is very common in *England*, growing on the fides of banks and old dunghills every where.

HYOSCYAMUS ALBUS, differs from the former in having fofter and leffer leaves, covered with a greater plenty of white down, as also whiter feeds. They have been only used externally to ease pains and to abate the acrimony of the humours; however it is not fafe used any way, for it produces extreme fleepinefs, and ftrange fantastical dreams. Three children happened to eat of the feeds in 1729, near Tottenham-Court. two of which flept two days and two nights before they could be awakened, and were with difficulty recovered; but the third being older and ftronger efcaped better. Others that have fed upon the roots by millake have gone mad, and attempted to kill each other; however they were cured with proper remedies; fome again have fallen into the like diforders only from the outward application, though not quite fo firong. From whence it appears this plant is not fafe used any way, though from half a fcruple to a fcruple of the feeds have been often prefcribed against spitting of blood. Likewise Theodore Turquet d'Mayrene recommends the feeds as a most excellent remedy against the epilepsy, and directs the patient to begin with fix grains, and increase the dose till it comes to a fcruple, or twenty-four grains. This should be taken daily every morning fasting, in a spoonful of the juice of houseleek, and be continued for forty days.

HYPERICUM, St. Jobn's wort, has a woody, fibrous, yellowifh root, with many fliff, woody, round, reddifh, branched flaks, that rife to the height of a cubit or higher; the leaves are placed thereon by pairs opposite to each other, but without pedicles; they are above half an inch long, a quarter of an inch broad, fmooth, and with nerves that run throughout the whole length; and when they are held up to the fun they

fee m

į,

è

i

ł

ţ

_a

đ

ċ

¢

ņ

÷,

b

k

-

ġ,

1

Ń

ų,

OF VEGETABLES.

feem to be perforated with a great number of holes, which are nothing elfe but vehicles full of an oily juice. The flowers grow on the extremities of the branches, and are rofaceous confifting of five gold coloured petals, in the middle of which there are a great number of capillary stamina, with golden apices. The cup is compofed of five leaves, and contains a thick piftil divided into three parts, and placed in the center of the flower, and turns to a capfula divided into three cells, containing very fmall, oblong, brownish black feeds. Both the flowers and the head full of feeds when rubbed yield a red juice. The leaves have a faltish, bitterish, styptic tafte, and the whole plant is accounted the principal of the vulnerary kind, for which reason it is recommended to cure wounds both inwardly and outwardly, as well as for fpitting and piffing of blood. It refolves coagulated blood, promotes the menfes and urine, and expels gra-Some effeem it greatly in hysteric affections, mewel. lancholy, and madness. The dose of the florett tops in decoction or infusion is a handful, and fometimes the leaves and feeds are prefcribed to a dram. St. John'swort applied outwardly is an excellent vulnerary, and cures wounds, bruifes, and ulcers.

HYSSOPUS, Hyffop, has a woody, hard, fibrous root, about as thick as one's finger, with stalks that grow to the height of a cubit, which are branched and brittle. The leaves are placed by pairs opposite to each other, and are from an inch to an inch and a half in length, and only a fixth part of an inch broad. They are sharp, fmooth, of a dufky green, with an acrid tafte, and a fweet fmell. This plant is verticillated, and the flowers grow at the tops of the flaks, and are large, blue, labiated, and confift of a fingle petal, whole upper lip is upright, roundifh, and divided into two fegments, and the lower into three; the middlemost of which is hollowed like a fpoon, having a double part, and is fomewhat winged. There are four oblong blue stamina, with fmall dark blue apices. The flower-cup is long, freaked, and divided into fix fegments, from which the pistil arises, fixed in the back part of the flower like a nail, attended with four embryoes, which turn into as many

many fmall, roundifh, brown feeds, contained in a capfula that was the cup of the flower. Hyflop is propagated either by feeds or cuttings, and must be fown in March, on a bed of light fandy foil, and when they are come up they fhould be transplanted out to the places where they are to remain, placing them at least a foot alunder every way. The cuttings should be planted in April, or May, on a border where they may be defended from the violent heat of the fun, and being frequently watered they will take root in two months, after which they may be transplanted where they are to continue. Hyffop has an acrid tafte, and a ftrong aromatic smell. It strengthens the stomach, helps digestion, incides viscid mucus of the lungs, and promotes expectoration. Whence fome account it a specific in the moist asthma. It is given in infusion or decoction in water, wine, or ale, from half a handful to a handful and a half.

JACEA, Knapwood, has a thick, woody, perennial root, and the first leaves that proceed from it are like those of fuccory, of a blackish green, and covered with down. The stalk is fometimes fingle, but generally there are feveral together, that rife to about a cubit and a half in length; they are hairy, round, ftreaked, ftrong, and not eafily broken, though they are full of pith. There are many leaves placed in no order, like those at the root, but narrower, and from the places where they join to the stalks there are other branches proceed, on the tops of which grow two or three flowers, confifting of tubulous floretts deeply divided at the top into five parts, of a purple colour, under which there is an embryo, and a calyx composed of black imbricated scales, on the edges of which there are firait hairs. The embryoes turn into oblong, fmall, bearded feeds, of a blackish ash colour, having a down adhering to them. It is by fome accounted a vulnerary herb, but is now out of ule.

JACOBÆA, Rag-wort, has a root confifting of many large fibres, and the stalk, or stalks, are round, fireaked, fometimes fmooth, and fometimes a little downy, and when they grow in open places they are generally purplish and folid. There are many leaves irregularly

Digitized by Google

言語語と

ŧ١

Ż

irregularly placed, that are oblong, deeply cut, or jagged, almost as far as the rib, which are again fubdivided into other jags; they are of a dark blueish colour, efpecially on the upper part. The flowers grow on the top of the branches in umbels, and are yellow, radiated, and the tube is almost of the figure of a cylinder. The difk confifts of many fittular floretts divided into five parts at the top ; but the crown of femi-floretts, under which are the embryoes placed in the tube abovementioned. The embryoes turn to fmall oblong feeds, having a down adhering thereto, which when ripe are red. It is a very troublefome weed in all parts of England. The leaves are bitter and disagreeable. It has been recommended by fome as excellent against bloody fluxes ; but its nauseous tafte hinders it from coming into practice.

JASMINUM, the Jeffamine-tree, has a pinnated leaf, and the cup of the flower confifts of a fingle leaf divided into five fegments; the flower also confilts of a fingle leaf in the shape of a funnel, and divided into five segments, with finall apices; the embryo is roundifh, with a piftil like a thread, of the length of the stamina, with a double apex. The embryo turns to an oval fmooth berry, divided into two cells, in each of which there is a large oblong oval feed, wrapped up in a membrane, convex on one fide, and flat on the other. It is very common in most English gardens, where it is cultivated for the fweetness of the flowers, and is propagated by laving down the tender branches in the fpring ; which in the fucceeding fpring will be rooted ftrong enough to -be transplanted; and it must be placed against a wall, or pales, where the flexible branches may be supported. It was formerly in fome efteem for its medical vertues, but is now out of use.

IBERIS, Sciatica Creffes, the flower confifts of four unequal parts, that are vertically oval, blunt, and open, with oblong erect heels, of which the outer ones are by far the greateft, and the innermost least and bent back. The flower-cup has four leaves, vertically oval, concave, open, fmall, equal, and foon fall off; the stamima are fax subulated erect filaments, of which the two lateral are are the fhorteft, and the apices are roundifh. The germen, or embryo, is roundifh and flat, and the ftyle, or pittil, fingle and fhort, with a blunt apex, and turns to a finall roundifh flat pod, confifting of two cells, in each of which there is an oval ferd. It has the fame vertues as water creffes, and when bruifed together with falt and hog's-lard, it makes an excellent cataplafm againft the hyp gout. It is only to be met with in botanic gardens.

IUGLANS. the Walnut tree, is very large, and flands upon many very long roots. The trunk, or stem, is very thick, infomuch that in fome countries it is three cubits in circumference, with many branches at the top. The bark is thick, of a greenish ash colour, and fmooth, but when it grows old is full of chinks. The wood is well known for making or covering curious cabinets, chefts of drawers, and the like. and is greatly effectmed for its beautiful variegations. The leaves are difposed in wings, and there is five, fix, or feven adhering to one rib, confifting of conjugations, with a fingle leaf at the end. At first they are tender, reddifh, and have a fweet fmell; but when they are full grown they are a palm and a half in length, and almost a palm broad, and pointed at both ends, with veins that run from the middle nerve, and are fmooth, of a beautiful green, with the fmell of lawrel, but much ftronger, and of an aftringent tafte. The catkins appear with the leaves, and grow at their pedicles; they are two or three inches long, and confift of many imbricated fcales, or petals, adhering to the axis, and under them are a great number of flamina, with many acuminated apices. The female flowers have an erect fhort cup, divided into five parts, placed upon the germen, or embryo, which is oval, large, and placed under the receptacle of the flower. There are two very fhort piftils, with large clavated bending apices, or fligmata, lacerated on the upper part. The embryo turns to a roundifh, oval, large fruit, fometimes two or three inches thick, and when ripe is covered with a green flefhy rind, of an acerb, bitter, and fomewhat acrimonious tafte ; which will tinge the fingers with a dark olive colour. The

5

•

-1

ł

The shell of the walnut is at first pulpy and white, and of a bitter acrid tafte; but as it ripens it becomes woody, and divides into two parts, in which is a kernel with four lobes, and covered with a thin fkin. The tafte is fweet and agreeable when fresh; but when dry it becomes oily and rancid. The fkin is bitter, acrid, and when the kernels are fresh may be eafily taken off. Walnuts are of different species, as the largest Walnut, the thin shelled Walnut, the bard shelled Walnut, the late ripe Walnut, the black Virginia Walnut, the black Virginia Walnut with long fruit, the Hickary Walnut, the Joag bark Walnut, the small Hickary or white Virginia Walnut, and the least Virginia Walnut. The four first forts are propagated every where in England, and the, first and second are preferred for their large nuts. The Virginian forts are only rarities, but are worth cultivating for their timber. All forts of walnuts that are propogated for timber should be fown in places where they are to remain, but fuch as are defigned to produce good fruit, are greatly mended by transplantation. The nuts should be preferved in their outer covers till February, when they fhould be planted in lines at the diffance they are intended to remain. When these trees are transplanted neither the rocts nor branches should be pruned. The best feafon for this is as foon as the leaves begin to decay, and this may be done till they are eight or ten years old. They delight in a firm rich loamy foil, or fuch as is inclinable to chalk or marl. They should be placed forty foot alunder when any regard is had to the fruit; but when for timber they must stand near each other, because it promotes their upright growth.

The inner bark of the Walnut tree is a ftrong vomit, but the catkins are more gentle, and have been given in powder from half a dram to a dram. Some account the leaves an excellent cataplaim against the gout when they are placed while green in a glazed earthen veffel ftratum fuper stratum. The juice of the root is a violent purge, unlefs it proceeds from the wounded root in February, and then it is recommended in chronic difeases, especially in the gout, gravel, and head-ach, for it greatly promotes urine. The green outer rind is aftringent, and is VOL. VI. faid

faid by fome when recent to have an emetic faculty. The kernels are beft while fresh, because when old they grow rancid, as was before observed. The membrane, or pith, powdered and given to a dram, is good in the cholic, and by some esteemed as a secret against fluxes of the belly.

-?

İ

).:

1

ė

1

i

. . . .

e

3

Ę

4

ð

k

ł,

4

2

ł

ų

1

ţ,

Y.

2

9

JUNIPERUS, the Juniper-tree, is a shrub well known in all parts of Europe, and it grows in woods and mountainous places. The flem rifes fometimes to the height of a man, but is flender, and has many branches, with a rough reddift bark. The wood is pretty firm and reddifh, especially when it is dry, with an agreeable refinous fmell. The leaves are very fharp, exceeding narrow, and feldom above an inch in length, but often shorter ; they are stiff, pungent, always green, and feveral of them grow together, with fome diffance between. The catkins appear in April and May, in the places where the leaves join to the stalk, and are a quarter of an inch long, variegated with purple and faffron colours ; they confift of feveral fcales, whole lower part is furnished with three or four vesicles, less than poppy feeds, which are full of a fine golden coloured powder. This is the male flower, but the cup of the female flower is very fmall, adhering to the embryo, and divided into three parts, and there are three ftiff fharp petals. The piftil is divided into three fingle flyles, with each a fingle apex; and they turn to a fleshy roundish berry, containing three feeds each, convex on one fide and angular on the other. Some trees produce only the male or female flowers, and others both. The berries do not grow ripe till the fecond year, and there are fome that are three years old. The berries are refolving, difcutient, attenuating, heating, abstergent, and strengthening. They are good in a cold ftomach, discuss wind, help digeftion, promote urine, and ease the pains of the cholic. They are likewife good against coughs, and in the moist affirma; they restore the fluidity of the blood, and promote fweat; fome foolifhly pretend they are good in all kinds of difeafes. The dofe is a dram, which may be either eaten, or their infusion may be drank in the manner of tea before meals to help digestion.

gestion. Many will eat a pugil at a time without any manner of harm, and have found they have not only brought away gravel but fmall stones.

LĂCTUCĂ SATIVA NON CAPITATA, common garden Lettuce, has a long thick root with many fibres, and oblong, broad, wrinkled, fmooth, palifh green leaves, which are very agreeable while young, but bitterifh when old. When it shoots up to a stalk it is strong, thick, round, and grows to the height of a cubit and a half and upwards. The flowers are collected in a fort of an umbel, and the flower-cup is imbricated, and confifts of many acuminated fcales, and is of an oblong oval shape. The flowers confist of many yellow semifloretts, with five very flort capillary filaments, on which are cylindraceous tubulated apices. The piftil is like a thread of the length of the flamina, on which are two apices bent backwards, to which fucceed fmall feeds fharp at both ends, furnished with down, and of an ash colour.

LACTUCA SATIVA CAPITATA, Cabbage Lettuce, has fhorter and broader leaves than the former, and are foon collected into a round head; the feeds are like the former but black. Befides these there are the Silicia Lettuce, the Dutch brown Lettuce, the Aleppo Lettuce, the imperial Lettuce, the green capuchin Lettuce, the upright white Cos Lettuce, the black Cos, the white Cos, the red Capuchin, the Roman, the prince Lettuce, the royal Lettuce, and the Egyptian Cos Lettuce. The first of these is commonly fown for cutting very young with other fmall fallad herbs. They may be fown any time in the year, but in winter it should be under glasses. The Cabbage Lettuce may be also fown at different times of the year, particularly in February for the first crop, in an open warm fpot of ground, and when they are come up they should be thinned to the distance of ten inches every way. The feeds that are fown for the fucceeding crop should be in a shady moist situation, but not under trees. Those for the last crop should be fown in August. on a good light foil, and in a warm fituation. In the beginning of October they should be transplanted into warm borders, where, if the winter is not very fevere, they L 2

they will ftand very well. Most of the other forts may be fown in *March*, upon a warm light foil, and in an open fituation, and afterwards in *April*, *May*, and *June*; and in *August* those that are intended for the winter, which should be transplanted either under glasses, or in beds arched over with hoops, in order to be covered over in the winter.

1

2

2

3

2

1.1

۹⁸

2

3

2

3

è

2

1

1.

b.

14

Ş

2.13

14 13

č

è

1

The Roman Lettuce has longer and narrower leaves than the two firft, and not fo wrinkled, and underneath on the fides of the rib there are fmall prickles. Some, as these lettuces grow, tye the leaves together, by which means they become exceeding white and tender; and then they are thought by many to excel all other kinds. In general lettuces are eafy of digeftion, abate the acrimony of the humours, and quench thirst, for which reason they are frequently used in the fummer feason. Many take them to be anodyne, and to procure sleep, which is done not by any narcotic quality, but by relaxing the fibres, and temperating the heat of the vifcera. They are good in dry constitutions, and help those that are costive.

LAMIUM ALBUM, white Archangel, or dead Nettle, has many fibrous roots, and the stalks that proceed from thence rife to the height of a foot, and are fquare, light, a little hairy, and have a few joints or knees. The leaves are placed by pairs over against each other, and are like those of the common nettle. The flowers that proceed from the joints are pretty large, labiated, white, and confift of a fingle petal; the upper lip, or galea, is hollow like a fpoon, and is hairy on the edges; the under lip is divided into two fegments, in the form of a heart, and both ends in chaps that are marginated or edged. The stamina are four subulated filaments hid under the upper lip, of which two are fhort, and the apices thereon are oblong and hairy. The embryo, or germen, is divided into four parts, and the piftil is like a thread, of the fame length as the flamina, with a cloven tharp apex. The calyx is large, open, tubulated, streaked, and divided into five oblong fegments, terminating in harmless prickles. To these fucceed four triangular feeds, joined together in a capfula which was the

the calyx of the flower. It grows under hedges and by the fides of highways. The flowers and leaves have been found beneficient in the whites, and uterine hæmorrhages, and they may be used in the manner of tea three times a day.

LAMIUM RUBRUM, et LAMIUM PURPU-REUM, purple Archangel, or finking dead Nettle, has a flen ler fibrous root, from whence proceed fquare hollow flaks, almoft imooth, pretty large, and branched near the earth; after which there are one or two pair of leaves, from whence they are almoft naked to the top. The flowers grow on the tops of the flaks, and are labiated, imall, purple, and confift of a fingle petal. The calyx of the flower is flort, open, flreaked, and divided into five fegments, containing four oblong triangular feeds at the bottom, that when ripe are black and flining. It is common in moft parts of England. It is feldom or never ufed.

LAMPSANA, Nipple wort, has a white, fingle, branched, fibrous root, and a round fireaked falk with a few hairs, that rifes to the height of two cubits and upwards; it is of a reddifh colour, hollow, and branched. The leaves at the root and the lower part of the falk have one or two pair of wings, and the leaves are of the fize and shape of the fow thifle. The flowers grow at the top of the stalks and branches, and confist of fmall yellow femi floretts, with five very flort capillary flamina, and cylindric tubulated apices. Under cach of the femi floretts there is an embryo, and they are comprehended in a calyx that confifts of one leaf divided into many fegments, which turns to a fireaked capfula full of flender, oblong, blackifh, a little crooked, acute, naked feeds. This herb is cooling and emollient, and has been prefcribed in emollient decoctions for clyfters; but it has been feldom or never taken inwardby; but it has been thought very efficacious in curing alcers of the nipple, whence it had its name.

LAPATHUM HORTENSE FOLIO OBLONGO; garden Dock with an oblong leaf, has a firait, long, fibrous root, yellow within, with a round articulated fialk, that rifes to two cubits high and upwards; the leaves L 3 are

are oblong like those of the wild dock, but larger and foster, and not fo sharp at the points. The flowers are placed on the branches in a verticillated order, and have three petals, with fix green short stamina placed in a cup confisting of seven leaves; as also a triangular germen, or embryo, and three capillary flyles to be seen between the chinks of the petals, and large apices which are succeeded by a fingle triangular feed. It is planted in gardens, but is feldom used, though fome take it to be the fame as monks rhubarb.

LAPATHUM MAJUS, five RHABARBARUM MONACHORUM, Monks Rhubarb, has a long thick root, from which preced many fibres, and it is brown without, but within of a deep faffron colcur. The falk fometimes rifes to the height of a man, and it is reddifh, ftreaked, and divided into many branches at the top; the leaves are from a foot to a foot and a half long, and are broad, acuminated, firm, fmooth, of a darkish green, but not hard and fliff; the edges are fometimes a little turned up, but they are even, and have long pedicles. The flowers grow in long rows on the flalks, and are like those of for:el, to which fucceed an? gular feeds contained in membranaceous cells, and are like those of the dock ; they are faid to purge bile gentle, to be a powerful aftringent, and to open obstructions of the liver; whence the powder or decoction is given in fome fluxes of the belly. The dole, in powder, is from a dram to half an ource, when it is defigned to purge.

LAPATHUM SINUATUM, Italian, or French Dock, has a thick root, with many leaves near two inches long, and about an inch broad. There is a finus on each fide anfwerable to each other, which render the fhape of the leaf to be that of a violin. The ftalk rifes from among the middle of the leaves, fometimes to the height of a foot and a half, and has many crooked branches. There are herbaceous flowers proceeding from the joints like those of other docks, from which proceed angular capfulæ containing triangular reddifh feeds. It is planted in the gardens in the louth parts of France, and is eaten by the country people in the winter.

LAPA-

5

.1

ş

֒

ì

ŧ,

LAPATHUM SANGUINEUM, Blood-wort, is not unlike the garden dock, but may be eafily diftinguifhed from all other docks by its blood red juice, and by its numerous nerves; the juice first tinges the hands with a purple colour, which atterwards changes to blue. The leaves are eaten by fome after they are boiled, and have likewife been prefcribed in emollient and cooling broths. The feed is ftrengthening, aftringent, and anodyne, and the powder of them is given from half a dram to a dram to ftop uterine fluxes, and those of the belly attended with gripes.

LAPATHUM SYLVESTRUM, five OXYLA-PATHUM, sharp pointed Dock, of which there are three forts, the Dock with the leaves less pointed, the curled sharp pointed Dock, and the common sharp pointed Dock. The leaves of this terminate in a sharp point, and the flowers are verticillated, but placed at greater distances than in the former.

LAPATHUM ROTUNDI FOLIUM, five LAPA-THUM MONTANUM, bastard Manks Rhubarb, has a long branched root, and each of the branches are as thick as a man's thumb ; they are wrinkled and fibrous, and of a deep yellow colour, with a bitter tafte. The stalk fometimes rifes to three cubits high, and is hollow, furrowed, reddifh, and has many wings. The leaves are like those of burdock, and are remarkably round, fmooth, and of a yellowish green colour, with a reddifh ftreaked pedicle. There are many flowers placed upon the stalks, confisting of many yellow stamina and apices, with a calyx composed of fix leaves, to which fucceed triangular reddifh feeds. The root is variegated with yellow and red, like true rhubarb, and fome pretend it has the fame vertues, but weaker; and its dofe, in powder, is to two drams. When the roots are taken fresh out of the ground and dried in the shade, they are used in fomentations, liniments, and ointments against diseases of the skin.

LAPATHUM AQUATICUM, five HYDROLA-PATHUM, great water Dock, has a more fibrous root than the former, which is black without, and of the colour of box within. The stalks rife to the height of

L 4

two

two or three cubits, and the flowers and feeds are like the former, but larger; the leaves are broad, long, and fomewhat like those of monks rhubarb, but are almost a cubit and a half in length, terminating in a fharp point, with the edges flightly curled. It grows in marfhy places, and by the fides of ditches. The leaves of this plant are flyptic, and bitterifh, and the tafte of the root is very bitter. It is thought to be the fame plant that *Diofcorides* calls *Britannica*, formerly fo famous againft the fcurvy. The root is a laxative, opens obftructions of the viscera, and is good in difeases of the fkin. The fresh root is given from an ounce to two ounces in decoction, and in substance, when dry, from a dram to two drams.

LAPATHUM SPINACIA DICTUM, Spinage; of this there are three kinds, the common Spinage, the common barren Spinage, and the commom Spinage with a capfula of the feed not prickly.

The common Spinage, or the common prickly narrow leaved Spinage, has a flender, white, fingle root, with a few fibres, and the stalks, which rife to the height of a foot, are fillulous, round, flreaked, and divided into wings, and have long pedicles. The leaves at the bottom are fometimes jagged on both fides, with sharp points; but those on the top have only two proceffes like ears at the bafe, with a fine fort of meal thereon. The flowers are placed on the flaks from the middle to the top, and they are without petals; but they have many stamina and small herbaceous, or purplish small apices, placed in a cup confifting of four leaves. Those that arife from the wings of the leaves or the female plants have no petals, but only greenifh embryoes with four whitish filaments, that turn to a pretty large fruit, or capfula, with prickles adhering thereto. It is planted in gardens.

Common fmonth feeded Spinage with broader leaves, has much larger leaves than the male and barren or female kinds, and are alfo rounder, and the capfula of the feeds is quite fmooth, and of an afh colour. These are common kitchen herbs throughout Europe. In general they are faid to temperate acrid bilious humours in the first paffages;

paffages ;-but as they are watery fome correct them with falt, pepper, and other spices. They do not yield much nourishment, but they are not unwholesome, and they generally keep the body open. The feeds of the male and barren kinds should be sown on an open spot of ground in the beginning of Asgust, when it is likely to rain; when the plants are come up they fhould be thinned, leaving them three or four inches afunder, and this fhould always be done in dry weather. In Octoberthey will be fit for use, and then you should only cropoff the largest leaves, leaving those in the center of the plants to grow bigger. Thus you may continue cropping it all the winter and fpring, till the young fpinage fown in the fpring is large enough for use, which is commonly in April. The other fort is likewife to be fown in an open fpot of ground, and the plants should be left about three inches afunder, and when they are grown large enough to meet part may be taken up foruse, that io the plants being thinned, they may have room to fpread; this may be repeated twice, and at thelast they should be eight or ten inches asunder.

LAVANDULA, LATIFOLIA, greater, or broad leaved Lavender, has a woody root divided into fibres, and the plant confifts of many thick, flender, quadrangular. geniculated branches, that rife to the height of a cubit and a half, or two cubits. The lower leaves are thickly placed, and irregular, but the upper are fet by pairs alternately, and are flefhy, hoary, and oblong, with an nerve running along the middle; as also a firong agreeable fmell, and a bitterish taste. It is a verticillated plant, and the flowers grow on the tops of the branches in spikes, which are blue, labiated, and confift of a fingle petal; the upper lip is upright, roundifh, and cloven into two parts, and the lower into three that are almost equal. The calyx is oblong and narrow, and from it rifes a piftil fixed in the back part of the flower like an nail, and attended with four embryoes, that turn to as many feeds, contained in a capfula, that was the cup of the flower.

1

LAVANDULA ANGUSTI FOLIA, narrow leaved Lavender, is in all respects like the former, only it is les,

Digitized by Google

shorter,

fhorter, and the leaves are leffer, narrower, and not fo long, nor fo white, nor is the fmell fo ftrong; but the flowers are greater. Sometimes they both vary in having white flowers. They are propagated by cuttings or flips, and the best feafon is in the latter end of March, when they should be planted in a shady situation ; or at least they should be shaded with matts till they have taken root ; after which they may be exposed to the fun ; and when they are strong enough, may be removed to the places where they are defigned to remain. They delight in a dry gravelly foil, where they will endure our fevereft winter. Lavender is cephalic, nervous, and uterine, for by its aromatic, subtile, acrid particles, it stimulates the nervous fibres to an ofcillation, and reftores their tone, it diffolves thick humours, and renders them fit for motion. It is good in catarrhs, the apoplexy, palfy, spaims, the vertigo, lethargy, and trembling of the limbs. The dofe of the flowers or feeds is from a feruple to a dram ; or the infusion may be drank in the same manner as tea. The dole of the conferve of the flowers is half an ounce, and of the effential oil, from two drops to fix, on fugar.

LAUREOLA MAS, Spurge Laurel, has a tough, thick, long, woody root, divided into feveral branches, with feveral afh-coloured or whitifh flems, rifing to the height of two cubits, with leaves like those or laurel, but lefs, or fomewhat like those of myrtle; they are blackish, thick, fmooth, shining, and pointed at both ends, and they are thickeft near the ends of the brancies. It is an ever-green, and the flowers that grow on the top, are of a greenish yellow colour, confisting of a fingle petal, that is fibrous on the back part, but before divided into four accuminated fegments ; there is no cup, but there is a piftil that turns to a berry, in the fhape of an olive, though much lefs. It is at first green, but black when ripe, and contains a hard oblong feed, full of a white pulp. The leaves, fruit, and bark, are very acrimonious, biting the tongue, as it were fetting them on fire.

LAUREOLA FOEMINA, Mezereon, or fjurge Olives, is a fhrub that grows to the height of three cu-

bits,

Digitized by Google

ŧ

bits, and has rough round branches, covered with a double bark, the outermost of which is thin, and of an afh-colour ; but the inner is greenish on the outfide. and The leaves are lefs than the former. whitish within. as well as thinner, fofter, and not fo fhining. The flowers are of the fame shape, but they are of a purple colour, and much more beautiful, with faffron-coloured stamina; the berries are likewife purplish, and of the fame shape and size. They are planted with us in gardens, and this has the fame tafte as the former. All their parts inwardly taken, caufe bilious vomitings, and force the ferous humours upward and downwards with violence; they corrode and inflame the internal parts, open the mouths of the blood vessels, occasion fevers, and fuperpurgations. However fome have given it in dropfies, from fix grains to half a fcruple of the bark and leaves ; but it is the fafest way to abstain from them entirely.

LAURUS VULGARIS, the Bay-tree, in hot countries grows to a confiderable height, and has a fmooth trunk without knobs, and long branches; the leaves are long, fharp, hard, nervous, fmooth, but have little juice, though they have a fine fmell, and an acrid, bitter. astringent taste. The flower confists of a fingle petal, shaped like a tunnel, and divided into four or five legments. The male flowers which are produced on separate trees from the female, have eight stamina, which are branched into arms; and the embryo of the female flowers becomes a berry, inclosing a fingle feed within a horny shell, which is covered with a skin. Besides this, there are feveral forts of Bay-trees, that are cultivated in gardens, most of which have been lately brought from diffant countries. They are propagated either from the feeds, or by laying down the tender branches, which will take root in a year's time, and may then be taken off, and transplanted into a nursery, or the places where they defign to remain. This tree among the ancients, was accounted a panacea, and the leaves, berries; and bark of the roots, were of use. The leaves are aromatic, bitterifh, with fomewhat of an aftringency, and they are heating, refolvent, ftrengthen the ftomach, help

help digettion, and discuss wind; for these purposes, the infusion may be drank as tea, or the powder may be given to a dram. The berries are more heating than the leaves, and two scruples in infusion is a dose; but their principal use in the present practice is in glysters, and the leaves as a fomentation.

LENS VULGARIS, the Lentil, is an annual plant, and has a flender, white root, with a few fibres; the stalk grows to near a foot in height, and is hairy, angular, weak, and apt to lye on the ground, unless there be fomething near for it to climb upon. The leaves are placed alternately, as in other pulse, and there are five or fix conjugations on the wings, placed on the middle rib, that terminate in a tendril or clasper. The flowers are fmall, white, and papilionaceous, and on the top there is a leaf, which fome call a fhield, ftreaked with blueifhlines ; the pittil arifes from the flower-cup, which turns into a fhort, broad, fmooth pod, containing two or three feeds that are round and flattifh, though convex on both fides, that is, they are thicker at the center than on the edges ; they are hard, fmooth, and yellowish when they are ripe; but in fome kinds they are reddifh. Befides this, there are the greater lentil, and the lentil with a. fingle flower. They are all common in the warm parts of Europe, and in the Archipelago, where they are food for the poorer fort of people. They may be propagated in the fame manner as vetches, but must be fown a great deal thinner ; they delight in a dry barren foil, and are very good fodder for cattle ; but they are not at prefent much in effeem. They are feldom eaten wherethere is any thing better to be had, and the common use of them is faid to produce various kinds of diforders :however they are certainly windy, hard of digestion, and vield bad nourifhment.

LENS PALUSTRIS, five LENTICULA PALUS-TRIS, Ducks meat, is generally feen on the top of flagnating waters, wherein it fwims like a green mofs, and the whole furface is covered with fmall leaves that are fhining, round, and compreffed like a lentil; they are greenifh above, but blackifh below, and they are tied together with very flender white falaments, from which as roots they derive their nourifhment. They have neither flowers nor fruit, at leaft none that are yet discovered. *Ray* looked upon the infusion of duck's meat, as a fecret against the jaundice, when fix ounces of it are taken in white wine for nine days together in a morning fasting. Some have used it as a cataplasim against the gout, and to ease the pain of the piles. It is called duck's meat, because ducks are very fond of it.

LEPIDIUM LATIFOLIUM, common broad dittander, or pepper wort, has a white root, as thick as one's finger, that creeps in the ground, and it has an acrid hot tafte, that immediately vanishes. It has several stalks, two cubits in height, that are round, smooth, branched, and full of pith ; it is covered with a bluei'h meal, which may be eafily wiped off. The leaves are long, broad pointed, and like those of the citron tree, but larger and foster, of a darkish green colour, and ferrated on the edges. The flowers grow on the tops of the branches, and are fmall in proportion to the fize of the plant ; they confist of four petals, placed in the formof a crofs; and the piftil that rifes out of the calyx, turns into a very small flat fruit, with a sharp point. and a partition in the middle, that divides into two sells, full of small, oblong, red feeds. The whole plant has an acrid tafte, and grows wild in fome parts of England; but it is generally cultivated in gardens for ule. It is easily propagated, by planting small bits of the root, either in fpring or autumn ; but it should be placed in fome corner of the garden, because the root will spread-and over run the ground. This plant incides gross humours, opens obstructions of the liver and spleen, and is accounted by fome a great antifcorbutic. When the leaves are eaten failing in the morning, they excite the appetite, and help digeftion. Some affirm, that the powder of the dried leaves, given in wine, to half an ounce in a morning failing, for fome time, is excellent in the dropfy.

LEVISTICUM, Lovage, has a large flefhy root, blackish without, and white within, and the stalks often sife to the height of a man : these are thick, light, streaked, and divided into many branches. The leaves are

are like those of parsley but larger every way, and they are fmocth, fhining, of a dark green colour, with a strong smell. The flowers grow in umbels on the tops of the branches, and are rofaceous, confifting of five yellow petals, or upwards. The calyx turns to a fruit, composed of two oblong, thick feeds, gibbous and fireaked on one fide, and on the other flat, and of a dirty colour. · Lovage is faid to be alexipharmac, carminative, diuretic, uterine, and vulnerary. It ftrengthens the ftomach, helps digestion, discusses wind, attenuates groß humours, eafes pains of the cholic, and is good in the affhma. It is looked upon as a specific against the jaundice, especially when it proceeds from a clammy bile. The dofe of the root in powder is from half a dram to a dram, and of the feed from a fcruple to half a dram.

LICHEN ARBOREUS, tree Longwort, grows on the trunks of many old trees, fuch as oaks, beeches, and firrs, has rough, dry, hard, ash coloured leaves, marked with fpots that are downy on the lower part, by which they adhere to the tree, and are fo tough, they are not eafily broken. The upper part is greenish, and the shape is like that of the lungs when dried. Either it has no flowers and fruit, or they are not yet discovered. That which grows on cake is accounted the beft. It has an aftringent bitter tafte ; and is accounted good in hæmorrhages, and fome affirm it will cure ulcers of the lungs, and fpitting of blood. The dofe in powder is a dram. Externally when dried and powdered, it will ftop the bleeding of wounds.

LIGUSTICUM, vel SESELI VULGARE, et SILER MONTANUM, common Hartwort, has a large root, with many fibres on the lower part ; it is wrinkled about as thick as one's finger, and whitish. The stalk is flender, geniculated, branched, and grows to the height of a man, and upwards; they are divided into wings, at the extream fegments of which there are three leaves growing on one pedicle like the leaves of trefoil, and are oblong, broadifn, and terminate in a point, and when rubbed together, they have a pretty good fmell. The flowers grow in large umbels, and are rofaceous, confifting of five white petals, placed in a cup, that turns into an oblong fruit, compoled of two oblong feeds.

Digitized by Google

£

7

C LU K U

1

(

41

ł

ł

ą

feeds, gibbous on one fide, with a fort of foliaceous creft, and plain on the other. The taffe is bitterifh and aromatic; it grows wild in the fouth parts of *France*. The feed is faid to atenuate groß humours, help digeftion, difcus wind, and provoke the menses and urine. The dose is to half a dram.

LIGUSTRUM, Privet, is a fhrub divided into a great number of branches, covered with an afh coloured bark, and the wood is whitish and hard. The leaves grow by pairs opposite to each other, and are oblong and narrow like those of willow ; but they are shorter, thicker, fmooth, fhining, and of a blackifh-green colour. The flowers grow on the top in bunches, and confift of a fingle petal in the shape of a funnel, divided on the top into five fegments. They are white, have a fweet fmell, and in the middle there are placed yellowish green apices, with a green piftil that turns to a foft and almost globous berry, of the fize of juniper berries, and are blackish when ripe, and full of juice. They contain generally four globous feeds, with a bay coloured skin, and a whitish pulp. It is common in hedges in most parts of England, and generally grows to about eight or ten feet high. The leaves are bitter and flypric, and therefore they, as well as the flowers, are recommended by fome against hæmorrhages. It is faid in the German Ephemerides that a certain woman made an oil with the flowers by exposing them in a glass vessel to the fun, with a little fweet oil; and that they melting turned to a balfam which had great reputation in Italy for curing the king's evil and putrid ulcers.

è

2

LILIUM ALBUM, the white Lilly, has a bulbous root confifting of feveral flefhy fcales, united together, and fixed to an axis, under which there are many fibres; the ftalk is upright, and fometimes rifes to the height of a cubit and a half; it is fingle, brown, and at the bottom there are oblong, broadith, flefhy, fmooth leaves, without a pedicle, of a fhining light green colour, but towards the top they become gradually lefs and narrow; and if they are rubbed between the fingers they have a fmell like broiled mutton. There are feveral flowers placed on the top, that do not grow at the fame time; they are composed of fix leaves, in fhape fomewhat like a bell,

a bell, and in the middle there is a longifh piftil terminating in three points, of a greenish white colour ; the stamina are also fix in number, and of the fame colourwith the petals, with apices of a faffron colour. The piftil turns to an oblong triangular fruit, divided intothree cells full of reddifh feeds with borders, and lyeupon each other in a double row. They are cultivated in gardens for the fake of their beauty and fweet fmell. There are many other kinds of lillies, all which may be propagated by fowing their feeds in fquare boxes about fix inches deep, with holes at the bottom, and filled with light, fresh, fandy earth. They are to be fownfoon after they are ripe pretty thick, and must be covered with light fifted earth abour half an inch; then theboxes are to be placed where they have the morning fun only. and they must be watered in dry weather. Theymust continue thus till October, when they must be removed to places where they may have as much fun aspoffible, and yet screened from the north and east winds. during the winter; but in the fpring, about the middleof April, they must be removed to their former position, for now the young plants will appear above ground. Here they must remain till August, when they must betaken out of the boxes with the earth, and planted in beds of fresh light earth; that is, the fmall bulbs, together with the earth, must be strewed over the beds, covering them about half an inch thick with fine fifted earth, and they must be watered in hot and dry feafons. They must be shaded in the middle of the day, and refreshed now and then with water. In the spring whenthe hard frosts are over the furface of the beds must be cleared, and a little fresh earth fisted thereon; butthis should not be deferred too long, least the shoots fhould be coming up and broken by this means. When the leaves are decayed you should ftir the surface of the beds again to prevent the weeds from growing, and in . September you must fift fome more fresh earth to the. thickness of half an inch. In September following theywill require to be transplanted to a greater diffance in moift weather.

The

Digitized by Google

2

1

ĥ

100

ζ

!

Z

ť

2

ģ

þ

ĺ,

N. N.

The flowers are used in emollient cataplasms, and the oil made by infolation is of common use in pains and tumours of all kinds. The roots are also in great request, for softening and ripening tumours, and are particularly recommended for burns and bruises. when roasted under the asses.

LILIUM CONVALIUM, Lilly of the Valley, has a flender, white, fibrous root, creeping near the top of the ground, and produces two or three leaves, a palm and a half in length, two inches broad, fhining, of a light green, nervous, and terminating in a point ; among these the stalk arises to a span in height, which is flender, angular, naked, and from the middle of which, and at the top, there proceeds a long feries of flowers, growing at fome diftance from each other, but almost all looking the fame way; they have very fhort pendulous pedicles, and confift of a fingle white petal, in the shape of a bell, divided into fix segments, with as many stamina, of a greenish yellow, and adhering to the bottom ; the piftil is triangular, and turns to a fpherical, foft, red fruit, full of pulp, and three hard, horny, bitterish feeds. The flowers only are in use, which have a very pleasant agreeable smell. It increases very fast by its creeping roots, for which reason it may be propagated in great plenty, by parting the roots in October ; they must be planted in a shady situation, and in a moift foil, placing them near a foot alunder. The flowers have a bitterish talle, and when dried, powdered, and fnuffed up the nofe, they occasion fneezing. It is accounted a cephalic nervous remedy, and to be good in all difeafes of the head and nerves. The dote of the powder is a dram, and of the conferve half an ounce.

LINARIA, *Toad flax*, has white, hard, woody roots, that creep under the furface of the ground, for which reafon it increafes very much. The flaks rife from a foot to a cubit in height, and are round, fmooth, of a blueifh green, branched on the upper part, and thickly covered with leaves, placed in no regular order; they are long, narrow, and terminate in a point. The flowers grow on the top of the branches in fpikes, and confift

confift of an anomalous, perfonated, fingle leaf, ending in a tail or fpur, or a fort of horn, behind; they are of a yellow colour; they are divided in the fore part into two lips, the uppermost of which is divided as it were into two fegments, and the lowermost into three. The caly x is fmall, and divided into five parts, from whence the piftil arifes, fixed in the back part of the flower like an nail, which turns to a bicapfular fruit, or hufk, divided into two cells by a partition, and are full of flat, roundifh, bordered, black feeds. It grows in great plenty on the fides of dry banks, in molt parts of England, for which reason it is feldom or never cultivated in gardens. It is faid by fome to be a great diuretic, and by others to be a ftrong cathartic ; hence it appears its qualities are doubtful; however it is never given inwardly. Some greatly cry up a liniment made therewith, for the painful piles, which is made by beating the florate tops with lard, or unfalted butter in a leaden mortar, adding a little camphire thereto.

LINGUA CERVINA, Hart's tongue, has capillary blackish roots, and leaves of the length of a foot, or upwards; they have appendages at the beginning, and terminate in a point ; they are of a fine green, fmooth, and have a pedicle a palm in length, that turns to the middle rib of the leaf. It feems to want flowers, but produces feveral capfulæ, that lye on foliaceous furrows, half an inch in length, on the back of the leaf that are at first green, but red when ripe. They are exceeding fmall, and cannot be perceived unlefs by the affiftance of a microscope. They have each an elastic ring, by the contraction of which they are broken, and pour out a fine powder. It grows in wells and fprings, and from the joints of old walls and buildings. This plant has an acerb taile, and a ftrong herbaceous smell. It is drying and binding, and reflores the tone of the viscera, for which reason it is recommended to open their obstructions, and particularly the fwelling of the fpleen. It is feldom used alone, but has been formerly frequently prefcribed with other capillary plants. The dole of the dried herb in powder is a dram or two.

Digitized by Google

Ľ

ſ

VI NUM IN

ť,

£

LINUM VULGARE, common Flax, has a flender root, with a few fibres, and a round stalk, that is generally fingle, light, fmooth, and grows to the height of a cubit, or a cubit and a half. The leaves are accuminated, of the breadth of a ftraw, and about two inches long ; they are alternately placed on the ftalk, and are fost and smooth. The flowers grow on the tops of the branches, on flender longish pedicles, and are of a blue colour; they confift of five petals, and when expanded, are in the shape of a clove gilly-flower. The calyx or flower cup, is tubulous, confiiting of a fingle leaf, and is divided into five parts at the top. The piftil rifes from the center of the flower-cup, turns into a globous fruit, that is flightly accuminated, and is compoled of feveral cells, opening inward, full of flattish oval feeds, blunt at one end, and fharp at the other; they are fmooth, fhining, and of a yellowish purple colour. It is cultivated for use in many parts of Europe, and is accounted with good management, a very advan tageous plant. The land fhould be well ploughed, laid flat and even, and the feeds should be sown the latter end of March, when the weather is mild and warm. The best feed is that which comes from the East country, and is known by the name of Ryegate flax. It will begin to be ripe in the beginning of September, and fhould be pulled up as foon as the heads begin to turn brown. The country people in Asia, have made use of the feed for food ; but it is windy, and hard of. digestion. Not many years ago it was eaten in Zealand, in a time of fcarcity, but it had very bad effects, for . it caused the belly and face to fivell in fuch a manner, that many people died therewith. The feeds are mucilaginous, abate the acrimony of the fluids, and are greatly recommended against heat of urine; outwardly the meal is emollient and refolvent, and has been frequently uled in cataplaims, with the foenugreek feed. The expressed oil loofens the belly, appeales coughs, and promotes expectoration; it is accounted a specific against the pleurify, when given from two to four ounces every fourth or fixth hour; but it must be fresh, and have a fweet tafte. Externally it is emollient, and relaxes the

the contractions of the tendons. It is called linfeed oil, and its use in painting is very well known.

LINUM CATHARTICUM, purging Flax, or Mill-Mountain, has a flender, white woody root, with a few fibres, and the stalks are creeping at first, but asterwards rife to the height of a palm ; they are flender, round, reddifh, and branched at the top, with pendulous heads. The lower leaves have a blunt point, and are roundifh; but the upper are placed by pairs on the stalks, and are half an inch long, and of the breadth of a ftraw, but without pedic'es. The flowers have long flender pedicles, and are white, have five petals, and refemble those of clove gilly-flowers. There are as many vellow apices in the middle, and the calyx confifts of five leaves. The capfulæ are like those of common flax, containing the fame fort of fceds. The tafte of the whole plant is bitter and nauseous. It has formerly been much used in England, and a handful infused in white wine over hot ashes for a night, has purged serous humours, pretty ftrongly. Some give a dram of the powdered leaves, with a little cream of tartar, and anifeed, and then it is a gentle purge.

LITHOSPERMUM, Gromwell, has a woody fibrous root, about as thick as one's thumb, with upright, fliff, round, rough, branched stalks, that rife to a cubit and a half in length ; there are many leaves, placed alternately, that are two or three inches long, fharp, rough, without pedicles, and of a blackifh green colour. The flowers proceed from the places where the leaves join to the stalk, and confist of a fingle white petal in the form of a funnel, divided into five blunt fegments, with a hairy calyx, confilling of a fingle leaf, cut almost to the bottom into five narrow hairy fegments; the piftit is green, and attended with four embryoes, that turn to as many roundifh, hard, fmooth, fhining feeds, of the colour and fhape of fmall pearls. It grows in fhady lanes, and uncultivated places, in various parts of England. The seed is accounted a great diuretic, and a gentle anodyne, for which reason it is recommended to promote urine, and expel gravel; the dole is to two drams.

LOTUS

1.5

5

Z

3

2

1

;

~-**j**

1

ŀ

t

؛

Ē

OF VEGETABLES.

LOTUS URBANA, fweet or bird's-foot Trefoil, has a flender, fing'e, white, woody root, with a few fibres, and a stalk that rifes to the height of a cubit and upwards, which is strait, slender, streaked, a little angular. fmooth, light, and branched. The leaves are alternately placed by threes, on long pedicles, and are imooth, ferrated on the edges, and of a palifh green colour. The flowers proceed from the places where the upper leaves join to the stalks, and grow in spikes. They are very small, papilionaceous, of a light blue colour, and have a pleafant aromatic fmell. The piftil arifesfrom the calyx, and turns to a naked capfula, not hid within it as in trefoil ; it contains two or three yellowish feeds, of a roundifh fhape. It dies every winter, but rifes again the fucceeding fpring. If it be cut while young, cows are very fond of it, though horfes will not eat it. It may be propagated from the feeds, and must be fown very thin, in rows at about eighteen inches alunder, in April and May. When full grown, fome of the roots have been found, a foot in diameter, and have produced an hundred shoots at a time. It delights in a dry, barren, gravelly foil, and will abide many years. It is a vulnerary plant, and is faid to eafe pain, as well as refolve coagulated blood. The dole of the florate tops is a dram, but it is now out of use.

LUJULA, wood Sorrel, is a low plant, with a thickish, scaly, reddish, white root, from whence proceed weak, flender, brown pedicles, a palm in length. on which are three leaves, that are thin, broader than long, fmooth, in the shape of a heart, and of a pale green colour. Among these there are other pedicles, each fullaining a fingle flower, that confilts of one petal, in the shape of a bell, and divided into five fegments ; it is white, open, transparent, and the calyx is divided into five parts, with a piftil fixed in the loweft part of the flower like an nail, that turns to a cylindraceous five cornered fruit, divided into five cells, containing fhining reddifh feeds, that when ripe burft out with violence. It grows in most parts of England, and has much the fame virtues as common forrel. It quenches thirst, mitigates heat, and refolves viscid blood; whence it

it is faid to cool the liver, and is accounted a good antifcorbutic. The dole of the juice is an ounce.

1

1

1

たい

,)| 1,

LUPINUS, FLORE ALBO, white I upines, has a fingle, woody, fibrous root, and a stalk that rifes to a cubit and a half in height, that is pretty thick, upright, round, a little downy, and full of pith. The flowers grow on the top, which are papilionaceous, and grow in spikes at the top of the branches, on short pedicles. The pittil which rifes from the calyx, turns to a thick, broad, flat pod, three inches long, with a yellowifh colour, and a little hairy on the outfide, but fmooth within, and contains pretty large, roundifh, flat feeds, white without, but yellowish within, and very bitter. The leaves are irregularly placed on pedicles, two or three inches long, and confift generally of feven oblong, narrow fegments, proceeding from the fame point of the pediche, like these of cinque-foil. Some pretend the eating of lupines is dangerous, even in very fmall quantities, which must needs be falle, because they were used by the Greeks for food. Lupines are used externally, that is in decoctions, against difeases of the fkin, and their meal is mixed in cataplaims, being reckoned among the four refolvent meals.

LUPULUS, the Hop-plant, has a creeping root, with fuch weak stalks, that they could not support themfelves without twifting about whatever is near them ; they are exceeding long, rough, angular, hairy, and hollow, and the leaves proceed from the stalks by pairs, and are placed over against each other; they are like those of the mulberry tree, and terminate in points; they are generally divided into three, and fometimes into five fegments, and are ferrated on the edges. That fort which bears flowers, has no feeds. and that which has feeds has no stamina. The male flowers confift of a calyx divided into five parts, and furrounds the stamina, but there are no petals; the flowers of the female plants are collected into fcaly heads, which grow in bunches, and have fome refemblance to pine-apples; they are composed of feveral membranaceous loofe fcales, of a yellowifh green colour, and adhere to a common axis ; the feeds are fmall,

fmall, flat, and red, and have the fmell of garlick. The people that cultivate hops reckon three varieties, as the long fquare garlick Hp, the long white Hop, and the oval Hop, all which are cultivated in England, and particularly in Kent, where they account new land beft for their growth. The first shoots of hops, or rather their heads, are commonly called hop-tops, and are by fome accounted not inferior to afparagus. They gently loofen the belly, and are good in obstructions of the viscera; as for the use of hops, it is very well known throughout the world, it being brewed in malt liquors, to prevent their growing four.

MAJORANA, fweet Majoram, has flender roots. and the flalks rife to a palm in height, and upwards ; they are flender, woody, often square, a little hairy, and reddifh, about which the leaves are placed oppofite to each other; they are like those of common origanum, but much lefs, and covered with a hoary down. It is a very verticillated plant, and the flowers grow on the tops of the branches, and confilt of a fingle, labiated, whitish petal, whose upper lip is upright, roundish, and divided into two parts, and the lower into three. The flowers are collected into thick, fhort, round heads, and proceed from a fourfold order of leaves, placed like fcales. The piftil that rifes from the calyx, is fixed in the part of the flower, and is attended with four embryoes, that turn into as many fmall, roundifh, reddifh feeds, contained in a capfula, that was the calyx of the flower. It is cultivated in gardens, and is an annual plant, for which reason the seeds must be fown every year, which are brought from the fouth parts of France, where it grows wild. They must be fown in the beginning of April, in a dry warm spot of ground, and in June the plants will be ftrong enough to be removed into beds of rich light earth, whe e they are to be placed four inches diftant from each other; they will flower in the beginning of August, and then is the time to pull them up for medicinal use.

Digitized by Google

MA-

MAJORANA TENUIFOLIA, Marjoram gentle, differs only from the former, in having more ilender and fragrant leaves. They both confift of fine oleous, aromatic, active particles, and are ufed as pot-herbs, and fometimes in falads, to promote digeftion, and to difcufs wind. They attenuate grofs vifcid humours; excite the fluggifh, languid ofcillations of the fibres, and open the pores of the brain and nerves, upon which account it is good in cold difeafes of the head, and trembling of the joints. A fcruple, or half **a** dram of the powder, mixed with a proper conferve, and taken every morning, has been greatly commended in the epilepfy; it is alfo an ingredient of the cephalic-fnuffs, becaufe it is faid to purge the head. ÷

٢Ŀ

ti,

ŧć.

31

ł.

Ŀ

- 7 - A

ł.

4

₿.

21 24

14

1.1.1

,

.

Ś

;

ķ

Ş

ł

ŝ

2 1

MALVA VULGARIS, common Mallows, has a fingle white root, with a few fibres, and a stalk that rifes to a cubit and a half in height, and upwards; many of these proceed from the same root, and are round, hairy, branched, and full of pith. The leaves grow fingle about the stalk on long pedicles, and are roundifh and jagged on the edges, with a little down. and are of a blackish green colour, and crenated on the edges. The flowers proceed from the places where the pedicles of the leaves join to the stalk, and are large in the shape of a bell, and consist of a single petal, divided into five fegments in the fhape of hearts; they are purplish, and streaked with deep purple lines, but they are fometimes variegated with white. From the bottom of the flower proceeds a tube in the shape of a pyramid, on which are purplish stamina. It has a double calyx, the innermost of which is divided into five parts, and the outermost into three. The piftil arifes from the bottom of the calyx, and is placed in the tube, and turns to a flat round cake, fomewhat in the form of a cheefe ; for which reafon they are commonly called cheefe-cakes by children. They contain a great number of feeds in the shape of kidneys, that are disposed round an axis, in such a manner, that they appear to be very artificially jointed. Mallow or Mallows, was formerly ufed for food.

food, but is now only in request on account of its medicinal virtues, for it is an emollient, and abates the sharpness of urine. It is also used in emollient cataplass. Some have given from fix to eight ounces of the juice in inflammations of the viscera; but it is not reckoned so good as marsh-mallows for these purposes.

MALVA ROSEA, five HORTENSIS, fingle rubite Hollybock, has a long white root, and a stalk that is thick, folid, hairy, branched, and rifes to the height of a fhrub; the leaves are placed alternately on the stalk, and are fingle, broad, and angular, with about feven incifures, and they are crenated on the edges : they are of a dark green on the upper part, but whiter below, and hairy on both fides. From the places where the leaves join to the stalk, the flowers proceed, of the fize of a common role; they confift of a fingle petal in the fhape of a bell, and are deeply cut into five fegments ; they are fometimes red or purple, or of a deep blood-colour, or of a carnation or white, and fometimes yellow. Sometimes the flowers are double, and there is a cone in the middle. with many fmall, yellow, or purplish apices. The calyx is double, and befet with a hoary down, or hair. It is fown in gardens. There is a great variety of these plants, and they are all sown on a bed of fresh earth in April. When the plants come to be pretty ftrong, they must be transplanted into nursery beds. at about eight inches distant from each other, obferving to water them till they have taken root. About Michaelmas they must be transplanted into rows, two feet asunder, and a foot distant in the rows, in which place they may continue till they flower. They have been formerly faid to have many phyfical virtues, but they are not now taken notice of in practice.

MALUS SATIVA, the Apple-tree, grows to a confiderable fize, and the branches are fpreading, but more deprefied than those of the pear-tree. The flower confifts of five leaves, which expand in the form of a rose, with yellow apices in the middle, and Vol. VI. M a green

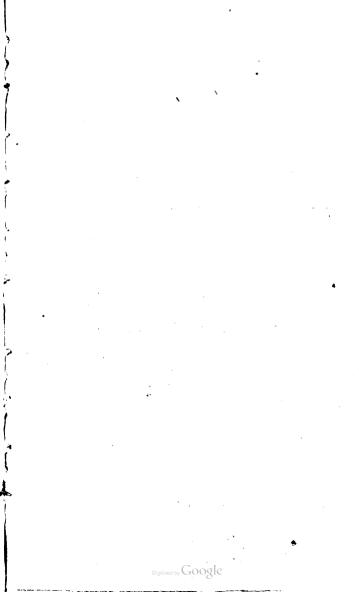
a green calyx divided into five parts, which turns to a fleshy roundish fruit, generally umbilicated at each end; however they are of different fizes and shapes. according to their different kinds, which are generally fo well known, they need no defcription. The first apple which is brought to market is the codlin, and the next is the margaret-apple, which is not fo long as the codlin, and the fide next the fun changes to a faint red when ripe; but the other fide is of a pale green. This fruit is firm, and has a pleasant tafte. but does not keep long. The fummer pearmain is an oblong fruit, striped with red next the fun, and the flefh is foft, and grows mealy in a fhort time. The Kentish fill-basket, is of a large fize, and is of a somewhat longer shape than a codlin, it ripens a little later, and is generally a little later. Loan's pearmain is a beautiful fruit, and of a fine red next the fun ; the flefh is vinous, but foon grows mealy.

٩

1

4

The QUINCE APPLE is of the fize of a golden pippin, but shaped like a quince, especially towards the stalk, the fide next the fun is of a russet colour, but the other fide is inclining to yellow. It is an excellent apple, but will not keep above three weeks in September. The golden rennet ripens about Michaelmas, and continues to be a good fruit about a month. The aromatic pippin is of the fize of a nonpareil, but a little longer, and the fide next the fun is of a bright ruffet colour. It ripens in OBober. The winter pearmain is rather long than round, of a fine red next the fun, and firiped with the fame colour on the other fide; the flefh is juicy, but it is not a good eating apple. The Kentifb pippin is large and handfome, and of a pale green colour. It is a very good kitchen fruit, and will keep till February. The Holland pippin is larger than the former, and of a darker green. It will keep longer than the former. The monftrous rennet is very large, of an oblong shape, reddish towards the fun, and of a dark green elfewhere ; it is of no great value. The embroidered apple is pretty large, with red broad stripes, from whence it has its





its name; it is a tolerable kitchen apple. The royal ruffet is of a deep ruffet colour, and is large, and of an oblong shape, but broad towards the base, and the fleth is a little yellowish. It will continue good from October to April, and is the best of all kitchen apples. Wheeler's ruffet is of a light ruffet colour next the fun, and of a pale yellow on the other fide. The fize is middling, the flesh firm, and has a quick, tartish tafte; it will keep a long while. Pile's ruffet is oval. and of a ruffet colour next the fun, but of a dark green on the other fide; it is a good baking apple. and will keep found till April. The Nonpareil is very well known, but there is another apple generally fold for it, and is a larger fairer fruit, and more inclining to yellow. It is ripe earlier, fooner gone, and is not fo flat as the true nonpareil; which last is not ripe before Christmas, and will keep good till May. The golden pippen is peculiar to England, for it will not fucceed well in other countries. It is an excellent apple, and would be still better, if proper care was taken in their cultivation. There are a great many other forts of apples, which have no particular names, except fuch as ferve for making cyder ; the reditreak, the whitfour. the Hertford/bire under leaf, the John apple, the everlatting hanger, and the gennet moil. They are all propagated by grafting or budding upon flocks of the fame kind. Apples in general are used for eating and baking, and as for their medicinal virtues, they are fcarcely worth mentioning, though they are faid to temperate the bile, and to be good in fevers, to allay thirft. Some pretend they are excellent pectorals, and will appeale coughs, but this may be doubted.

MALUS AGRESTIS, the crab tree, is like the apple tree in all things, only the fruit is lefs, and is more acid and aftringent. It is chiefly used for making of virjuice.

MALUS GRANATA, five PUNICA, the Pomegranate, is a low tree, or rather a fhrub, with flender angular branches, befet with long thorns or prickles. The leaves are like those of the myrtle tree, or olive, only

only not fo fharp, and they are of a fhining green, with reddifh pedicles, and reddifh veins. The flowers are rolaceous, confift of five petals of a red or fcarlet colour. in the middle of which there are many stamina, with their apices, and the calyx is also red, above an inch long, conriaceous, in the form of a bell, and divided into five pointed jaggs, which after it is turned to a fruit, are placed round the navel at the top. Pomegranates are of various fizes, fome being as big as large apples. The rind is pretty thick, hard, and brittle ; before it is ripe it is green and smooth, but afterwards reddish and wrinkled, and laft of all it becomes of a bay colour, and yellowish within, with an astringent taste, it is full of feeds difposed in various cells, and the pulp has a sweetish vinous flavour ; though it is sometimes acid. There are feveral kinds, as the common pomegranate, the fweet pemegranate, the wild pomegranate, the double flowered pomegranate, and the American double pomegranate. The first and second of these are hardy enough to refift the fevereft cold of our climate, in the open air, and if planted against warm walls, the first fort will often produce fruit, which in warm feasons will ripen tolerably well; but they are feldom well tafted in England. These plants may be easily progagated, by laying down their branches in the foring, which in one year's time will take good root, and may then be transplanted where they defign to remain; and the best featon for this is the fpring, just before they begin to shoot. The Howers always proceed from the extremity of the branches which are produced the fame year, for which reafon all the weak branches of the former year should be cut out, and the ftronger fhould be lengthened according to their firength. The best time for this, is the beginning of October.

t

à

ŧ

2

ķ

k

Ú

4

J

ł

MALICORIUM, or the rind of the Pomegranate, has a bitterifh auftere tafte, is very aftringent, and will fupply the place of oak bark, for tanning of leather, as well as of galls for the making of ink. It is good in a diarrheea, and all fluxes of the belly whatever, as well as in hemorrhages. It ftrengthens the tone of the parts' and fometimes proves an aperient as well as an aftringent.

OF VEGETABLES.

aftringent. The dole in powder is from half a dram to a dram, and in decoction to half an ounce.

BALAUSTIA, Balaufines, are the flowers of all forts of pomegranates, with their flower cups; but those of the double fort are generally chosen, because they are large, and have a great number of petals; but the cup is not fo long as in the first fort, but it is more flat and broad, and the colour is of a yellow purple. They are aftringent, but not fo much as the rind, and therefore they have been in frequent use in all forts of fluxes whatever, but they are feldom met with in extemperaneous prescriptions, though often in shop medicines. The dole in powder is to a dram, and to half an ounce in decoction.

MALUS PERSICA VULGARIS, the common Peach tree, arifes to a moderate height, and has a pretty thick Rem, with many brittle branches, and a reddifh and brownish bark. The leaves are thin, oblong, acuminated, crenated, and like those of the almond tree, but larger, and have a bitter tafle, like that of peach ker-nels, though not fo pleafant. The flowers appear in the beginning of the fpring, before the leaves, and without pedicles, for they adhere to the tubercles of the branches, and are rofaceous, confifting of five broad petals, of a light reddifh colour, and in the middle there are many longish stamina, that are either purple or white, with a piftil of the fame length, that proceeds from a reddiffi calyx, divided into five acute fegmente, and turns to a fruit that is almost globous, though a little flattish on one fide, and is furrowed according to the length, and covered with a thick, foft, whitish down, in many of the species; but some are smooth, of a yellowish herbaceous colour, and these are commonly called NECTARINES. They contain a woody, oblong, oval stone, confisting of two valves, deeply furrowed, and the pulp in some adhere very obstinately thereto, but in v others it readily parts from it. When the bark is wounded. a gum will proceed from it like the plumb-tree gum.

Some Peach trees are cultivated for the beauty of their flowers, as the peach tree with double flowers. The dwarf peach tree with fingle flowers, and the double

M 3

_{by}Google

double flowering dwarf peach tree, though fome place these two last among the almonds. The peach trees that are cultivated for their fruit, are the white nutmeg peach, which has serrated leaves, and large open flowers, but the fruit is small and white, as is also the pulp at the flone, from which it easily parts. It is esteemed for being the soonest ripe.

The red NUTMEG PEACH TREE, has also ferrated leaves, and the flowers are large and open; the fruit is larger and rounder than the white nutmeg, and is of a bright vermillion colour. The flefth is white, but very red at the flone, and it has a rich musky flavour, and readily feparates from the flone; it is in good efteem, and ripens about the beginning of Augu/t.

The Pearly or *fmall Mignon* PEACH TREE, has fmall contracted flowers, and the fruit is of a midling fize, and round; they are very red on the fides next the fun, and the flefh is white, and parts readily from the flone, where it is red; the juice is vinous and rich, and it is ripe in the beginning of *August*.

The yellow Alberge PEACH TREE, has fmooth leaves, and the flowers are fmall and contracted; the fruit is of a middling fize, and fomewhat long, with fomewhat dry yellow flefh. It is feldom any very good flavour, but is beft when perfectly ripe before it is gathered, which happens about the middle of August.

The white Magdalen PEACH TREE, has ferrated leaves, and the flowers are large and open. The wood is generally black at the middle, and the fruit is round, and of a middling fize. The flefth is white to the flone, from which it feparates readily, but the juice is feldom high flavoured; the flone is very fmall, and it ripens about the middle of $Au_{i}uf$.

The early purple PEACH TREE, has leaves even at the edges, and the flowers are large and open; the fruit is large, round, and of a fine red colour, and the flefh is white, except at the flone, where it is very red. It is very full of juice of a rich vinous flavour, and is an excellent peach; it is ripe towards the latter end of August.

Digitized by Google

The

Ċ

2

ş

17 IN 17 IN 11

-

The large French Mignon PEACH TREE, has leaves that are even at the edges, and the flowers are large and open; the fruit is a little oblong, and has generally a fwelling on one fide. It has a fine colour, and the juice is very fweet, with a high flavour, and the flefth is white, but very red at the ftone, which is fmall; it is ripe towards the end of August, it is feparated eafily from the ftone, and is one of the beft forts.

The Belle Chevreuse PEACH TREE, has fmooth leaves, and the flowers are fmall and contracted; the fruit is of a middling fize, a little oblong, and of a fine red colour; the flesh is white, but very red at the flone, from which it eafily parts; their juice is fweetish and rich, and it ripens in the beginning of September; it is a pretty good peach.

The red Magdalen PEACH TREE, has deeply ferrated leaves, with large open flowers, and the fruit is large and round, and of a fme red colour; the flefh is white, but very red at the flone, from which it readily parts. The juice is fweetifh, and has a very fine flavour, it is ripe at the beginning of September, and is one of the beft peaches.

The early Newington PEACH TREE, has ferrated leaves, with large open flowers, and the fruit is of a middling fize, and of a fine red next the fun. The flefth is firm and white, but very red at the flone, to which it closely adheres; it has a fweet juice, and is ripe at the beginning of September.

The Montauban PEACH TREE, has ferrated leaves, and the flowers are large and open; the fruit is of a middling fize, and of a deep red, inclining to purple next the fun; the flefh melts in the mouth, and is white to the flone, from which it readily parts; the juice is rich, and it ripens the latter end of August.

The *Malta* PEACH TREE, has ferrated leaves, with large open flowers, and the fruit is of a middling fize, and of a beautiful red next the fun; the flefh is white, and melts in the mouth, but red at the flone, from which it eafily parts, and the flone is flat and pointed.

The

The nobleft PEACH TREE, has ferrated leaves, with large open flowers, and large fruit, of a bright red next the fun; the flefth is white, and melts in the mouth, parting readily from the flone, where it is of a faint red colour; the juice is very rich in a good feasion, and it ripens in the beginning of September as well as the former.

The Chancellor PEACH TREE, has leaves that are even at the edges, and fmall contracted flowers; the fruit is fhaped fomewhat like the belle chevreuse, but is rounder, with flefth that is white, and melts in the mouth; it parts freely from the flone, where it is of a fine red colour. The skin is very thin, and the juice rich; it ripens in the beginning of September, and is one of the best fort.

The BELLEGARD, has leaves that are even at the edges, with fmall contracted flowers; but the fruit is very large and round, and is of a deep purple colour, next the fun; the flefh is white, melts in the mouth, and parts readily from the flone, where it is of a deep - red colour; the juice is very rich. It ripens in the middle of September, and is an excellent peach.

The Lifle PEACH TREE, has leaves that are even at the edges, with fmall contracted flowers, and the fruit is of a middling fize; it is of a fine violet colour next the fun, and the flefth is of a pale yellow, and melts in the mouth; but it adheres to the flone, where it is very red, and the juice is very vinous; it ripens in the middle of September.

The Bourdine PEACH TREE, has leaves that are even at the edges, with fmall contracted flowers, and large round fruit, of a fine red colour next the fun; the fleth is white, melts in the mouth, and parts readily from the itone, where it is of a fine red colour; the juice is vinous and rich, and it ripens in the middle of September.

The Rofanna PEACH TREE, has leaves that are even at the edges, with fmall contracted flowers, and large fruit; the flefh is yellow, and parts readily from the ftone, where it is red. The juice is rich and vinous, and it ripens in the middle of September.

The

Ĩ£

R.

37

ŧΪ

ýć.

ľ3

7

2

1

á,

67

٠đ

3

Ł

ĵ,

a,

10

1

ic)

Ł

ζĘ.

¢;

11 12

à,

ą.

Ċ,

· Ì

2

Ρ,

0

15

e,

k

Q.

۹;

Þ

¢

OF VEGETABLES.

The admirable PEACH TREE, has leaves that are fmooth on the edges, with fmall contracted flowers, and large round fruit, that is red on the fide next the fun ; the flesh is white,' melts readily in the mouth, and parts eafily from the ftone, where it is of a deep red colour ; the juice is fweet and rich, and it ripens in the middle of September.

The old Newington PEACH, has ferrated leaves, with large open flowers, and very fair large fruit, of a beautiful red colour next the fun; the flesh is white. melts in the mouth, and flicks close to the stone, where it is of a deep red colour ; the juice is very rich and vinous, and it ripens towards the latter end of September.

)

The Rambouillet PEACH TREE, has leaves that are fmooth at the edges, with large open flowers, and fruit of a middling fize, rather round than long, and divided by a deep furrow in the middle ; it is of a fine red colour next the fun, and of a light yellow next the wall.- The flefh is of a bright yellow colour, melts in the mouth, and parts readily from the flone, where it is of a deep red, and the juice is rich, with a vinous flayour ; it ripens at the latter end of September.

The Bellis PEACH TREE, has ferrated leaves, with fmall contracted flowers, and round fruit of a middle fize, of a pale red next the fun; the flefh is white, and flicks to the flone, where it is red, and the juice is vinous and rich; it ripens towards the end of September.

The Portugal PEACH TREE, has leaves that are fmooth at the edges, with large open flowers and large fruit, of a beautiful red next the fun ; the skin is generally fpotted, and the flefh is firm and white, flicking close to the flone, where it is of a faint red ; the flone is small, but full of deep furrows; the juice is rich and vinous, and it ripens towards the end of September.

Le teton de Venus, or Venus's breast PEACH TREE, fo called from a fwelling on one fide of it, has leaves that are fmooth at the edges, with fmall contracted flowers, and fruit of a middling fize, of a pale red next the fun; the flesh is white, melts in the mouth, Ms and

and parts from the flone, where it is red. The juice is fweet and rich, and it does not ripen till the very end of September.

The Pourpée PEACH TREE, has very large ferrated leaves, with fmall contracted flowers, and a large round fruit of a fine purple colour; the flefh is white, melts in the mouth, and parts from the flone, where it is red; the juice is fweet and rich, but does not ripen till the beginning of October.

The Nivette PEACH TREE, has ferrated leaves, with fmall contracted flowers, and large fruit, fomewhat longer than round, of a bright red colour next the fun, and of a pale yellow on the other fide; the flefh melts in the mouth, is full of a rich juice, and is very red at the flone, from which it parts, it ripens towards the latter end of September.

The Royal PEACH TREE, has leaves that are fmooth at the edges, with fmall contracted flowers, and large round fruit, of a deep red next the fun; the flefh is white, melts in the mouth, is full of a rich juice, and parts from the ftone, where it is of a deep red colour, and ripens towards the latter end of September.

The *Perfique* PEACH TREE, has ferrated leaves, with fmall contracted flowers, and large oblong fruit, and is of a fine red colour next the fun; the flefh melts in the mouth, is full of a rich juice, and parts from the flone, where it is of a deep red colour; it ripens in the beginning of *October*.

The monflrous party PEACH TREE of Pompenne, has leaves that are fmooth at the edges, with large open flowers, with fruit fo large, that they are often fourteen inches in circumference; the flefh is white, melts in the mouth, and adheres to the flone, where it is of a deep red colour. It is of a beautiful red next the fun, and of a pale flefh-colour on the other fide; this does not ripen till the beginning of November, and when the autumn is warm it is an excellent peach.

The Catherine PEACH TREE, has leaves that are fmooth at the edges, with fmall contracted flowers, and large round fruit, of a dark red colour next the fun; the flefh is white, and is full of rich juice; it adheres

clofe

i

ł

1

1

ŧ

close to the stone, where it is of a deep red colour, and ripens in the middle of October.

The bloody PEACH TREE, bears fruit of a middling fize, of a deep red next the fun, and flesh that is of a deep red to the flone ; but it feldom becomes quite ripe in England. Befides these, there are the Lion, the Bourdeaux, the Dutch, the Carlifle, the Eaton, the Peache de pau, the yellow admirable, and the double flower; this last fort, is generally planted more for the beauty of the flowers, than the goodness of the fruit ; but of all those abovementioned, there are not above ten that need to be planted, unless for the sake of variety. The beft are the early purple, the large mignon, the belle chevreuse, the red magdalen, the chancellor, the bellegard, the Bourdine, the Rofanna, the Rambouillette, and the Nivette. A good peach ought to have a firm flesh, a thin skin, of a fine red colour next the sun ; and of a yellowish cast next the wall; the flesh should be of a yellowish colour, full of juice, and high flavoured, with a small flone, and the pulp or flesh very thick.

All Peach trees have been originally obtained from the stones, which should be planted in autumn, on a bed of light dry earth, about three inches deep, and four inches alunder; in the winter the bed fhould be covered. to protect them from the frost, and in the spring, when the plants come up, they fhould be carefully cleared from the weeds, as well as all the fummer observing to water them when the weather is dry. They should remain here till the following fpring, when they fhould be carefully taken up, without breaking the tender roots, and transplanted into a nursery in rows, three feet asunder, and eighteen inches distant plant from plant in the rows, observing to lay a little mud about the roots ; they must alfo be watered in dry weather once a week, till they have taken root. Here they may continue two or three years, till they are transplanted where they are to re-When this is done, the downright roots must be main. pruned pretty fhort, and the bruifed parts cut off, as well as the imall fibres ; but the heads fhould not be medled with. These are generally designed for standards. As for the planting, budding, and management of peach trees

trees that are to be placed against walls, we must refer you to *Millar*'s gardiner's dictionary, because it would take up more room than this treatife will allow.

2

8

22.2 2.22

ŝ

į

2

2

100 100

1 1 1

ξ

.

The NECTARINES are properly peaches, though generally diffinguifhed from them, of which the following are the most remarkable forts; and indeed it may be doubted whether there are really any more or not.

Fairchild's early NECTARINE TREE, produces fruit the fooneit ripe of any we have; it is small and round, about the fize of the nutmeg-peach, and of a beautiful red colour; it has a very good flavour, and ripens towards the end of $\mathcal{J}uh$.

The Elruge NECTARINE TREE, has ferrated leaves, with small flowers of a dark red or purple colour next the sun; but of a pale yellow or greenish colour towards the wall; it parts from the flose, melts in the mouth, and is ripe in the beginning of August.

The Newington NECTARINE TREE, has ferrated leaves, with large open flowers, and a fair large fruit, of a beautiful red colour next the fun, but of a bright yellow towards the wall; it has a very rich juice, and the pulp or flefh adheres clofely to the flone, where it is of a deep red colour. It ripens in the middle of August, and has a better flavour than any of the reft.

The *fcarlet* NECTARINE TREE, bears fruit a little lefs than the former, of a fine red or fcarlet colour next the fun, but of a paler red towards the wall; it ripens in the beginning of *August*.

The Brugnon or Italian NECTARINE TREE, has leaves that are even on the edges, and fmall flowers, with a fair large fruit, of a deep red colour next the fun, but yellowish towards the wall; the pulp is firm, of a rich flavour, and closely adheres to the flone, where it is very red, it ripens towards the latter end of August.

The Roman red NECTARINE TREE, has leaves that are even at the edge, and large flowers, with large fair fruit, of a deep red or purple colour next the fun, but has a yellowifh caft towards the wall, the pulp is firm, of a rich flavour, and adheres closely to the flone, where where it is very red; it ripens towards the latter end of Avent.

The Murrey NECTARINE TREE, bears a middle fized fruit, of a deep red colour next the fun, but of a yellowifh green towards the wall; it has a pretty good flavour, and ripens towards the end of *Auguit*.

The golden NECTARINE TREE, bears a handfome fruit, of a light red colour next the fun, and of a bright yellow towards the wall; the pulp is very yellow, has a rich flavour and closely adheres to the flone, where it is of a faint red; it ripens towards the middle of September.

Temple's NECTARINE TREE, bears a middle fized fruit, of a light red colour next the fun, and of a yellowifh green towards the wall. The pulp melts in the mouth, and is of a white colour at the ftone, from which it readily parts, and has a fine flavour, it ripens towards the end of September.

The Peterborough, or late green NECTARINE. TREE, bears a middle fized fruit, of a pale green colour next the fun, but of a whitifh green towards the wall. It has a firm well flavoured field in a good feason, and ripens in the beginning of Octeber.

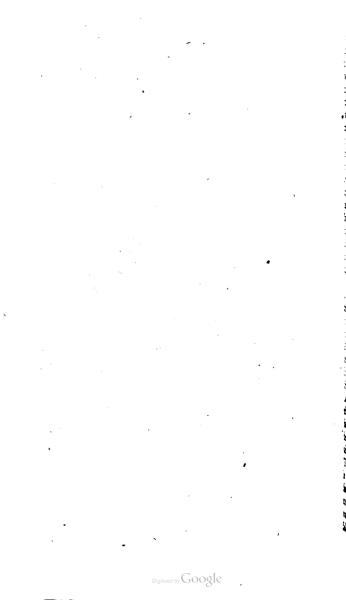
The flowers have an acomatic bitter tafte, and when frefh, an infusion of half an ounce in water, or a dramwhen dry and sweetened with fugar, is a useful laxitive for children. Peaches themsfelves agree very well with perfors of hot conflictuions, and costive, especially if they are eaten in a morning fasting. Peach kernels are bitterish, diuretic, and good against worms. The leaves have the same virtues, and the gum refembles gum arabic.

MANDRAGORA MAS SEU CANDIDA, Mandrake, has a thick long root, generally divided into two parts, and fometimes more; it is whitift without, or of a rufty afh-colour, and pale within. It has no ftalk, though it has leaves a cubit in length, and a palm and a half broad, and fharp at both ends; among these pedicles arise ftalks, a palm in length, on each of which there is a fingle flower, in the shape of a bell, confisting of a fingle leaf, divided into five fegments; fegments; it is a little hairy, of a dirty white, or purplifh colour, with a hairy green calyx, divided into five parts; from whence arifes a piftil, fixed in the bottom part of the flower, that turns to a fruit, like a fmall apple, at first green, and then yellowish, fleshy, fost, of a strong nauseous smell, and in the pulp there are roundish flat seeds, somewhat in the shape of a kidney.

MANDRAGÓRA FOEMINA SEU NIGRA, female Mandrake, has leaves like that of the former. but narrower, lefs, and blacker; the flowers are of a blueish purple, and the fruit are paler, less, and in the shape of a pear. They both grow wild in Italy and Spain, as well as other hot countries, and delight in woody fhady places. With us they are cultivated in gardens, and the feeds are fown in a bed of light earth, foon after they are ripe; they come up in the fpring, and in very dry weather they must be refreshed with water. They should remain here till the end of August, and then they should be transplanted to the places where they are to remain. The roots will remain found for above fifty years ; but as to the refemblance to a human form, as many affert, it is nothing but an imposture, owing to persons that would deceive the publick, who form the fresh roots of Bryony into fuch shapes, and show them for Mandrakes. Many wonderful things have been faid of its virtues, by different authors; however they all agree it is an narcotick, and when taken in too large a dose, will produce dangerous symptoms. Some have given it from half a scruple, to procure sleep. Some. affirm, that the leaves applied outwardly, as a cataplafm, will refolve hard fwellings of the fpleen.

MARRUBIUM, Hoar-bound, has a fingle woody root, which fends forth many fibres, and feveral ftalks, to the height of a foot and upwards; thefe are hairy, fquare, branched, and the leaves proceed from the joints in pairs, and are placed opposite to each other; they are roundish, hoary, wrinkled, and crenated on the edges. The flowers likewise proceed from the joints, and





and furround the stalks ; the calyx or flower cup, are hairy, streaked, and terminate in prickles; the flower confifts of a fingle labiated leaf, of a whitish colour, whofe upper lip is upright and forked, and the lower divided into three fegments. The piftil is fixed in the back part of the flower, like a nail, and attended with four embryos, that turn to as many oblong feeds, contained in a capfula, that was the calyx of the The whole plant has a ftrong difagreeable flower. fmell, and grows near highways, and on the fides of fields, in neglected places. It is aperient, and powerfully refolves vifcid humours, and by fome is accounted a specific in a moist asthma. Some affirm it as excellent to provoke the menfes, ftrengthen the ftomach. and to cure the green fickness, that is if the tops are infused in white wine, and given for three days together. The dole in infusion, is from half a handful to a handful; the dried leaves may be given to a dram or two.

MARRUBIUM NIGRUM, black Hoar bound, has a perennial fibrous root, and hairy, square, light, branched, reddifh stalks, with leaves that proceed from the joints in pairs, and are placed opposite to each other ; they are like those of the Balm, or rather red Archangel, only they are rounder and blacker; they are hairy, foft to the touch, and wrinkled. The flowers likewife proceed from the joints, and confift of a labiated fingle petal, whofe upper lip is hollow like a spoon, and the lower divided into three segments, of which that in the middle is biggest, and in the shape of a heart; the colour is purple, streaked with deeper lines of the fame; the flower cups are ftreaked, oblong, and divided into four or five fharp fegments. The piftil is fixed in the back part of the flower, and is attended with four embryos, that turn into as many fmall oblong feeds, that are blackish when ripe, and contained in a tubulated capfula, with five fides that was the calyx of the flower. It grows wild by the fides of hedges. The leaves are bitter, and have a ftrong

255

ftrong fmell, and by fome are accounted an excellent remedy in hypochondriac and hyfteric diforders.

MÁRUM VERUM, five MARUM CORTUSI, Syrian berb Massick, has a fibrous root, and a stalk that rifes to the height of a foot, or rather feveral hoary downy stalks, with leaves like the end of a launce, a quarter of an inch long, two broad, and of a light green above. The flowers are like those of Germander. and they confift of a fingle, labiated, purple petal, whole stamina are in the room of an upper lip; but the lower is divided into five fegments, the middlemost of which is hollow like a spoon. The calyx is likewise like that of Germander, and the pistil is fixed on the back part of the flower, with four embryos, that turn into as many roundifh feeds. This plant has the appearance of a fhrub, and has a hot volatile imell. It is propagated by cuttings, in any of the fummer months, on a bed of fresh light earth, obferving to water and shade them, till they have takenroot; after which they may be transplanted either intopots or borders of the fame earth; but the greatest difficulty is to preferve it from cats, which will comefrom a great distance, to tear this plant in pieces ; for which resion, it is hard to preferve it near towns. and cities. The best way is to plant large quantities thereof, and then they will not come near them. When they are placed in pots, they may be cut into. any figure, for they will grow to near three feet high. It is faid to be good in cold and moift difeafes, and to be an excellent diaretic; though it is of little use with us, except in making herb-fnuff. However it. is certainly better than Marjoram, and the dofe of the powdered leaves is a dram.

MARUM, berb Mafick, is a fmall woody fhrub, with many branches, and flender woody roots, with leaves like Thyme, but hoary, and which fmell like Maftick. The flowers are white, and confift of a fingle labiated petal, whose upper lip is upright, and divided into three fegments, but the lower into three in fuch a manner, that it looks like a flower with five

1

leaves;

ġ

Ĵ.

1 1

r,

4

5

i)

Ì

•

1 0 ...

2

Ŋ

Ì

ł

h

ł

ł

à

leaves; they are collected into thick whorls, and have a white down growing upon their oblong heads. This plant is propagated by cuttings, in any of the fummer months, in a bed of light rich earth, obferving to water and fhade them till they have taken root, after which they may be transplanted into a light dry foil, in a warm fituation. It produces great numbers of flowers in $\mathcal{J}u/y$, has an agreeable fmell, and deferves a place in the borders of every good garden. The virtues are the fame as those of the former, and is undoubtedly an excellent cephalic.

MATRICARIA, Feverfew, has a white fibrous root, with feveral stalks, that rife to the height of a cubit and a half ; these are strong, streaked, smooth, thick, and full of a fpungy pith, with many leaves of a light green colour; they are conjugated, and divided into many fegments, which are by fome called wings. The flowers grow in umbels, on the top of the stalks; they are radiated, but not large, and the difk confifts of many yellow floretts, and the crown of white femi-floretts, placed over the embryoes of the feeds in a femi-fpherical fcaly cup. The feeds are oblong, small, streaked, and fixed in a bed at the bottom of the cup. The whole plant has a very ftrong fmell, and is found wild upon dunghills and uncultivated places, in many parts of England; it is likewife planted in gardens for medicinal purpofes. They are propagated by feeds, which should be fown in the latter end of March, upon a bed of light earth, and when they are come up, they should be removed to nurfery beds, and placed about eight inches afunder, where they may remain till the latter end of May; then they may be taken up, with a ball of earth at their roots, and planted in the middle of large borders, where they will flower in July and August. It is an hysteric plant, and is excellent in uterine diforders; the dole in powder, is from half a feruple to two fcruples, and of the juice to an ounce or two. It is certainly a very good carminative, discusses wind, frengthens the flomach, and helps digeflion. Outwardly

2.08

wardly it is prefcribed in fomentations, with camomile flowers.

2

:

ŝ

.

į

2

.

20 -----

ì

1.1

5

14

Ņ

k

1

2

MAYS here FRUMENTUM TURCICUM. Indian Corn, has many hard, fibrous, small, white roots, with a stalk like a reed, which is stiff and folid, and when green, it is fweet and full of juice; it has many joints, and rifes to the height of five or fix feet. The leaves are like those of reeds, above a cubit in length, and three or four inches broad. The male flowers are produced at remote diftances from the fruit, on the fame plant, and generally grow in a panicle on the top of the stalk. They are like those of Rye, and confift of a fingle petal, with a few ftamina and apices; they are fometimes white, yellow, or of a purple colour, but they produce no feeds. The fruit proceeds in fpikes, from the joints of the stalks, and are long, thick, round, cylindraceous, with feveral foliaceous or membranous coats, that furround them like a fheath, from whence feveral long fmall hairs proceed, adhering to the embryoes of each feed, and are of the fame colour as the corn. The feeds are as large as a pea, and as fmooth, have a-roundifu furface, and are quite naked. Sometimes one spike confifts of feven hundred grains, which are placed clofely together in rows, to the number of eight or ten, and sometimes twelve. This corn was never known in Europe, till after the discovery of America, from whence it has been brought to feveral other countries, where it is cultivated, particularly in feveral parts of Germany, where the inhabitauts use it to make bread ; but it is only planted in England for curiofity. It is of great use in our American plantations, where they commonly make cakes of the meal, and bake them before the fire. It is certainly very wholesome corn, is easy of digestion, and yields as good nourishment as any other, but it is of no use in medicine. They have a fort of it in the fouthern parts of Africa, where it ferves them for food. but whether it grew originally there, or not, is uncertain. The best time to plant the feeds is in April, when the weather

OF VEGETABLES.

weather is fettled. The largest fort will grow to the height of ten or twelve feet, in good ground.

MELILOTUS, Melilot, has a white, flender, tough root, with many short fibres, and generally several stalks, that fometimes rife to a cubit and a half in length ; thefe are fmooth, round, streaked, and weak, and the leaves are placed alternately thereon, by threes, on the fame flender pedicle ; they are fmooth, oblong, denticulated, and of a dufky green colour. The flowers grow on long spikes, and are papilionaceous, fmall, yellow, and confift of four petals; thefe are fucceeded by fhort, fingle, pendulous, wrinkled, naked pods, not hid in a calyx, as in trefoil, and they are black when ripe, containing one or two roundish feeds, of a yellowish colour. It is found near hedges, and among corn. It is feldom given inwardly, but is often used outwardly, and in glysters. It is faid to be emollient, anodyne, and refolvent, and is used by fome in all kinds of external inflammations.

MELISSA, Balm, has a round, long, fibrous, woody root, with stalks that rife to a cubit high, and upwards; these are square, almost smooth, branched, hard, stiff and brittle. The leaves are oblong, of a brownish green, and pretty much like those of calamint; but they are fhining, covered with a little down, and dentated on the edges. The flowers grow at the places where the leaves proceed from the flalks, and are fomewhat verticillated, though they do not grow quite round the stalks ; they confist of a fingle labiated petal, whole upper lip is roundifh, upright, and divided into two parts; but the under lip is cut into three. The hairy calyx is divided into two parts, and the pistil is attended with four embryos, that turn to as many feeds, joined together, of a roundish shape; and contained in a capfula that was the cup of the flower. It is cultivated in gardens, and flowers in June, July, and August. It is propagated by parting the roots, either in fpring or autumn, or by planting flips at the diffance of eight or ten inches. Balm is faid

Digitized by Google

259

260

faid to be cordial, cephalic, and to fortify the flormach. It is taken in the manner of tea, and though formerly it was in great repute, is now almost neglected among us; however it is a little aromatic, and has done fervice in a lax state of the viscera.

MELISSA SYLVESTRIS, wild Balm, has a fibrous root, with ftalks that grow to the height of a foot, and upwards; thefe are fquare, hairy, jointed, and full of teeth. The leaves are like thofe of dead nettle, and are oblong, wrinkled, covered with fhort hair, and of a blackifh green colour. The flowers grow among the leaves at each knot, by threes or fours, and the flower-cups are oblong, loofe, hairy, and the flowers are like thofe of Archangel, but larger, and fometimes of a white purple, or bright purple colour, with the under lip very long. This plant has a bad fmell, and it grows in woods, flowering in May and June. It is reckoned a vulnerary, and is faid to be an excellent remedy againft fupprefions of urine.

MELO VULGARIS, common musk Melon, is a plant. with stalks that creep along the earth, and are rough to the touch, as well as the leaves, which are, fmaller and rounder than those of Cucumbers. The sower confists of a fingle petal, in the shape of a bell, cut into feveral fegments, exactly like those of a Cucumber, and fome of them are barren, while others are fruitful, and turn into a fruit of an oval shape, and different fizes; the rind is harder than that of a Cucumber, pretty thick, variegated with green and afh-colour. The pulp is tender, moift, clammy, yellow, or red; and when ripe, has a very agreeable flavour. It is divided into three cells, containing oblong, flat, whitish yellow feeds, covered with a hard ikin, containing an oily kernel, but is very white, and has a fweetish taste. There are feveral forts of Melons, befides that already mentioned. as the Portugal, or pocket Melon, the netted or wrought Melon, the great musk Melon, with a smooth green skin, and a green feed, the white Spanish Melon, the green fleshed Melon, the Cantaleupe Melon, the Zatta Melon; the Melon

2

ł

ź

l

ġ

ź

3

OF VEGETABLES.

lon with a bairy fkin, and the winter Melon. The feeds should not be fown till they are three years old, and it should be at two or three diffrent seasons, the first of which is the latter end of February, when the weather is mild, on the upper fide of a Cucumber bed, and the plants muft be raifed and managed in the fame manner as Cucumbers. The fecond feafon is about the latter end of March, and they both fhould be planted under frames. Those that are defigned to be raifed under bell-glaffes, must be fown about the latter end of April, if the season proves forward; but if it be cold, it had better be deferred fomewhat later. There are particular rules required for their management, that are too long to be inferted here, and there-) fore I shall only observe, that when the fruit is fully grown, they must be carefully watched, to cut them at a proper time; and therefore they should be looked over at least twice a day, for if they are left growing a few hours too long, they will lofe much of their delicacy. If they are cut early in a morning, before the fun has warmed them, they will be much better flavoured.

The feeds of the Melons are one of the greater cold feeds, and they ferve to make emulfions; but at prefent they are not fo much taken notice of as formerly.

MELONGENA, the mad Apple-plant, has a fibrous root, and generally a fingle flalk, that rifes to a foot in height, and of the thickness of one's finger; it is a cylindrick reddifh, and covered with a down that will eafily come off, and it fends forth numerous branches. The leaves are as large as one's hand, and are like those of the oak; the furface is covered with a fort of white powder or wool, and they have reddifh nerves. The flowers grow opposite the leaves, and are fometimes fingle, and fometimes placed by two's and three's; they are rofaceous, though they confift of a fingle leaf, but they are cut into many segments, in the form of a ftar; they are whitish, or purple, and the flower-cup is rough, with set final prickles.

261

kles, and divided into five pointed fegments. When the flowers are fallen off, they are fucceeded by fruit. of the fize of an egg, and of a cylindric shape; they are folid, fmooth, of a purple or greenish colour, and foft to the touch. The pulp or flesh is full of juice. and whitifh, in which are contained whitifh flat feeds. in the fhape of a kidney. In Italy, Spain, and Barbary, these plants are greatly cultivated in gardens. for the fake of the pulp. They are propagated by feeds, which must be fown on a moderate hot-bed. at the latter end of March, and when the plants are come up, they must be removed to another hot bed, about four inches alunder, observing to water and fhade them till they have taken root; they must alfo be frequently watered afterwards. At the latter end of May they must be transplanted out to a rich spot of ground, about two feet diftant, observing to water them till they have taken root. At the latter end of June the fruit will appear, and will grow ripe in the beginning of August. In the fouth parts of France they eat the fruit like Cucumbers. They are never taken inwardly as a medicine, but in fome places they are applied outwardly, in cataplaims, against cancers, burns, and inflammations,

MENIANTHES, five TRIFOLIUM PALUS-TRE, Buck-beans, has a long, knotted, creeping root, which has fibres by intervals, and there are three leaves that grow on the fame pedicle, that are of the fame fize and shape as those of beans, and they are fmooth to the touch. Among these there arises a stalk to the height of a foot and a half, which is flender. fmooth, green, and bears a tuft of flowers at the top, . in the shape of a funnel, and of a whitish purple colour. Before they open they are red, and after they are open they divide into five pointed fegments; their internal furface is covered with very flender, white, curled filaments, that appear like down, The cup of the flowers is in the shape of a mug, and are dentated, and each flower contains five white stamina, with yellow apices; the piftil is placed in the middle,

and

ţ

2

Ś

ļ

ŧ

and is fhorter and greener than the flamina. Thefe are fucceeded with roundifh or oblong fruit, that contains oval feeds like those of the Sun-flower. This plant grows wild in marshes, and it flowers in May and June. Buck-Beam has gained great reputation for its virtues, and is found very efficacious in the gout, king's evil, the cachexy, and dropsy. In a fit of the gout, the patient must drink a glass of the decoction every four hours; but Beerbaave was relieved in this diffemper, by drinking the juice mixed with whey. It will be likewise proper to apply the leaves that have been boiled, to the pained part, after the decoction is flrained off. The feed is good againft the moist afthma, for it incides the grois phlegm that fulf the lungs. This plant is in such a reputation in Germany, that they give it in almost all difeases.

MENTHA VULGARIS, garden, or Spear Mint, has a creeping root, furnished with fibres, that extend far and near; the stalks rife to a foot and a half in height, and are square, a little hairy, strong, and reddifh. The leaves are placed by pairs opposite to each other, and they appear at first fight like Balm, but those at the top of the stalk are longer, and more pointed, and of a deep green colour; they are also more deeply dentated. The flowers grow in fpikes, and confift of a fingle labiated petal, whole upper lip is arched, and the lower divided into three parts; but both of them are fo cut, that the flowers feem to be divided into four parts, the two lips fcarcely appearing. Each flower is fucceeded by four feeds contained in the flower-cup. Mint has a peculiar well known firong fmell. It is cultivated in gardens, and flowers in July and August. Befides this, there is the pepper Mint, the long leaved horfe Mint, water Mint, commonly called water Calamint, orange Mint, Spearmint with a variegated leaf, the great round leafed water Mint with a variegated leaf, Spearmint with a rugged leaf and a firong scent, and narrow leafed Aleppo Mint. They are all propogated by parting the roots in

264 THE NATURAL HISTORY

in the fpring, or by planting the cuttings in any of the fummer months.

SPEAR-MINT is ftomachick, cephalic, and carminative, and is excellent in the lofs of appetite, retchings to vomit, and weaknefs of the ftomach. It refolves coagulated blood, eafes pains of the cholic, and does a great deal of fervice in lienteries, and other fluxes of the belly. It may be drank as tea, efpecially when the leaves are dry, and the infufion muft be ftrong. Water Mint has a bitter, acrid, aromatic tafte, it is ftomachic and diuretic, and like the former, may be drank as tea. The juice is good, againft the gravel, ftops, vomiting, hiccoughing, cures the gripes and fwelling of the ftomach.

MENTHA ALBA, five MENTASTRUM, Horfemint, has a fibrous creeping root, and fends out ftalks to the height of a cubit, and upwards, which are fquare and hairy. The leaves are almost round, wrinkled, and covered with a white wool. The flowers are like those of garden Balm, and are of a whitish red colour, with dentated flower-cups. Each flower is fucceeded by a fmall black feed. The leaves have a bitter, acrid, astringent taste, with a strong fmell, and it grows by the fides of brooks, and in moist places in most parts of England. It is faid to kill worms, to help the moist asthma; and many apply a cataplasim made with this plant, to the affected part, against the hyp-gout; they affirm it raifes blisters, which when broken ease the pain.

MENTHA PIPERITES, Pepper mint. It has fhorter and fuller fpikes than the common Mint, but the leaves are like them, only they are covered with a fhort hairy down. This plant has been lately brought into effeem, and is of great use in flatulent cholics, and in many cold diseases; its effects are almost immediately felt, for it causes a glowing warmth to be felt throughout all parts of the body. It readily communicates its pungency to water, as well as to that which is diftilled from it.

Digitized by Google

MER-

MERCURIALIS, male and female French Mercury. The male has a tender, fibrous, annual root, and fends forth flalks to the height of a foot, that are angular, geniculated, fmooth, and branched. The leaves refemble those of pellitory, and are oblong, pretty broad, fharp, fmooth, and green; they are placed by pairs opposite to each other on the flalk, and are crenated on the edges; the flower cup confiss of one leas cut into three fegments, as well in the male as in the female. The flower of the male has no petals, but has from eight to twelve flamina collected into a fpike. There are two embryoes contained in a fort of purfes, and when they are ripe there is in each a fmall oval feed.

The *female Mercury* refembles the male in all refpects, except the flowers, for these produce neither fruit nor feed. The virtues are both alike, and they flower all the fummer. The leaves are faid to be aperient and laxative, and they are placed among the five emollicnt plants. It is fometimes made use of in glysters, and a fyrup made of the leaves is a mild and useful laxitive; the dose is two spoonfuls, which is to be given three hours before meals. Warts rubbed with this plant frequently, will foon wither away.

MESPILUS, the Medlar tree, is a pretty large fhrub, with a crooked trunk, and hard folid tough branches; the leaves are large, and like those of the common Bay tree; they are downy and white beneath, but they are green above, though there is a little down thereon; they are sometimes a little dentated, and fometimes not, and the flowers all grow fingle. The flowers are large, rolaceous, confiit of five leaves, and are white, or of a light red; the flower-cups are divided into feveral parts, and when the flower is fallen off, it becomes a fruit as large as a fmall apple, which is umbilicated, or has a large hollow navel, in a fort of crown, formed by the points of the calyx. The fruit has a tender rind, but the flesh or pulp is hard, white, and has a rough taste; but if it be kept till it is almost rotten, the juice be-VOL. VI. N comes

comes vinous and agreeable enough, efpecially to fome palates. It is cultivated in gardens and orchards, but it is not fo common among us as formerly, for the *Dutch* Medlar is planted in its room. They may be propagated by budding or grafting them upon a hawthorn or pear flock, and may be afterwards tranfplanted into the fruit garden, either for a flandard, or trained againft an efpalier. The fruit muft remain on the tree till the middle of *October*, when they will begin to fall, and in about a month afterwards they will be ready to eat. The medicinal virtues of Medlars are very inconfiderable, at leaft they are taken no notice of at prefent in practice.

MESPILUS APII FOLIIS SYLVESTRIS SPI-NOSA five SPINA ALBA, the White Thorn or Hawthorn, is a fhrub that has a pretty thick firm trunk, full of branches, and armed with firong thorns, that are much harder than the wood. The branches are ftrong and flexible, and the leaves are like those of parfley, and have a clammy tafte. The flowers grow in tufts, and have pedicles about an inch and a half in length; they are white, have five petals, placed in the form of a role, and reddish stamina like those of the pear tree. The fruits or haws, are a little larger than Myrtle-berries, and are red when ripe, and hang in bunches. They have a black navel, and are full of a clammy foft fweetish pulp, wherein are two hard white ftones. It grows every where in hedges, and flowers in May; the berries grow ripe in September, and continue a great part of the winter, when the leaves are falling off. Some authors pretend, that the dried powder of the berries, or their infusion in wine, are good to free the kidneys and bladder from gravel and fand.

MESPILUS PYRIFOLIA, five PYRICANTHA, the ever-green Thorn, is a thorny fhrub, covered with a blackish bark, and whose branches are armed with thorns, whereof some are an inch in length, and others shorter. The leaves refemble those of the wild pear tree, or rather the almond tree; some are oblong,

Digitized by Google

an

ť

÷

te;

2

.

.

5

7

•

10.10

11000

è

Ś

2

3

2.1

5

í

OF VEGETABLES.

alyı

chaidi Iy, in

v Daj

1001

tran 🤄

darć,

main

they Wards

ies of

are

SPI.

aw

usk,

that

s are

le of

TOW

half

d in

e of

get

ang

full

w0

CSIN

ep-

en

at

in

П

4,

2

h

d

d

z,

and a little pointed, while others are almost round, fmooth, and dentated on the edges, especially the lowermost. The flowers consist of several petals, of a reddifh colour, and disposed in the form of a rose. The berries are like those of the hawthorn, and of a golden scarlet colour, growing together in bunches, and furnished with a fort of a crown. The pulp is a little tartish, and contains four or five whitish yellow feeds, of a triangular fhape, and a little fhining. It grows in the hedges in Italy, and the fouth parts of France, but elsewhere it is cultivated in gardens. It flowers in May, and the berries grow ripe in the autumn. Children are very fond of them, and they have the fame tafte and properties as haws.

MILIUM, Millet, has many fibrous, ftrong, whitifh roots, that fend forth stalks to the height of two or three feet, which have feveral knots. The leaves are large, long, and about an inch broad, in the shape of those of reeds; they are covered with a fort of thick down, at the places where they furround the stalk, after which they become fmooth ; the flowers grow in loofe panicles at the top of the flaks, and are generally yellow, fometimes blackifh ; they are composed of three stamina, that proceed from the middle of the flower-cup, which generally confifts of two leaves. When the flowers are fallen off, they are fucceeded by oval grains, that are yellowish or white, hard, fhining, contained in three forts of thin tender fhells. These plants were originally brought from the eaftern countries, where they are still greatly cultivated, and from whence we have the grain which is highly effeemed by many for making puddings. It is a common aliment in the eaftern countries, where they boil it in milk, and it has the fame virtues as It is good in diforders of the breaft, and obrice. flinate coughs, but it is a little binding and windy.

MILIUM INDICUM five SORGHUM, Indian Millet, or Guiney Corn, has a fibrous root, from whence proceed feveral ftalks like reeds, to the height of eight or ten feet, and fometimes to thirteen; they are

33

N 2 Digitized by GOOGLE

as thick as one's finger, flrong, knotty, and full of a white fweetish pith ; the leaves which are of the length of a cubit. and about three inches broad, proceed from the knots, and are like those of reeds, only towards the top they are armed with fmall pointed teeth, that hurt the fingers when they are handled from the top downwards. The flowers grow on the tops of the stalks, on tufts a foot long, and four or five inches broad; they are fmall, yellow, oblong, pendulous, and composed of feveral stamina, that proceed from the middle of the calyx, with two leaves. When the flowers are fallen off, a great number of feeds fucceed them, that are twice as big as those of hemp, which are almost oval, and generally of a reddith colour, or of a blackish red; but seldom whitish or vellow ; they are contained in a double capfula, and after they are fallen, the pedicles remain, which are thick filaments, of which they make brushes. It was brought from the Eafl-Indies to Spain, Italy, and other hot countries, where it is principally cultivated : the feeds grow ripe in August.

MILLE FOLIUM VULGARE, Yarrow, or Nofebleed, has a woody, fibrous, blackish, creeping root, from whence proceed a great number of stalks, to the height of a foot, or a foot and a half, that are fliff, angular, hairy, reddifh, and branched at the top. The leaves are divided and fubdivided into a vaft number of fegments, adhering to a long rib, and have fome refemblance to those of camomile; but they are more sliff, and somewhat like the feathers of a bird. The flowers are collected into round umbels. each of which is radiated, whitish, and placed in a fcaly cylindric calyx, and are fucceeded by very fmall feeds. It grows in uncultivated fandy places, where the leaves generally lye close to the ground till the ftalks begin to rife. It is called Nofe-bleed by the country people, becaufe a fprig of it put up the nose, will bring away a little blood. It flowers in May and June, and has an acrid, bitter, aromatic tafte. It is a vulnerary plant, and is faid to cure wounds, tumours, and

and inflammations without repulsion. It has been given against all internal hæmorrhages, and fluxes of every kind, as well as to prevent abortion. Hoffman has a very great opinion of this plant, and affirms it is a fpecific to prevent the gravel and stone. Some affirm the juice has a furprizing effect in curing internal ulcers, of which the dole is an ounce, and of the dried herb, from one dram to two.

MOMORDICA, the male balfam Apple, has fmall fibrous roots, with flender stalks, that are angular, freaked, and climbing; the leaves are like those of bryony, but less, and have long pedicles; the flowers confift of a fingle petal in the form of a bell, which is divided into five fegments, fo deeply cut, as to appear like for many diffinct leaves; they are of a whitish yellow colour, with yellow stamina ; they are fucceeded by an elegant fiuit, which is flefty, more or lefs tapering, and hollow ; when ripe it ufually burfts, and throws out the feeds with an elafticity; these are wrapped up in a membraneous covering, and are generally indented on the edges. It is cultivated in gardens, and the feed must be fown in a hot bed, in the middle of March, in the fame manner as Cucumbers. It grows better in hot countries than in the cold, and it feldom is in flower till August. The apple is vulnerary and anodyne, and is of great use in some places, though entirely neglected here.

MORUS NIGRA, the Mulberry tree, has a thick. crooked, knotty trunk, covered with a thick rough bark; the wood is hard, ftrong, and yellow, towards the heart; the leaves are as large as one's hand, oblong, fharp, ferrated, hard, and rough to the touch. The flowers are amentaceous or catkins, confifting of many stamina, placed in a calyx, with four leaves; these flowers are barren. The fruit or mulberries, grow in diffince places, and are green and auftere at first, after which they become reddifh, acid, and aftringent, and as they grow ripe, they turn to a black colour. They are composed of feveral protuberances, to each of which adhere feveral fmall leaves, and the feeds

N 2

feeds are roundifh, growing fingly in each protuberance. It is very common in gardens and orchards, where it is planted for the delicacy of the fruit. It may be propagated, by fowing the feeds, or by laying down the tender branches, which in two years time will take root; but those propagated from the feeds, are commonly most vigorous, though they feldom are fo fruitful as the others. It delights in a light foil, and should never be planted near other trees, or buildings, for then the fruit will not ripen fo well. Mukberries have the qualities proper to other fweet fruits, in abating heat, and quenching thirst, and they are chiefly eaten for pleasure, though they yield little nourifhment. The bark of the root has been looked upon as excellent against worms, but is not used with us for that purpofe.

j

MOSCHATELLINA, Tuberofe Moschatel, has a thick, fhort, white root, covered with fcales in fhape of dog's teeth, and they are hollow within, and full of juice, of an infipid tafte. The leaves are like those of bulbous fumitory, and of a fea-green colour. The flower confifs of a fingle petal, which is divided into many parts at the edge, and from whose calyx arifes a piftil, fixed like a nail in the middle of the flower, which afterwards turns to a jaicy berry, containing many flat feeds. This plant grows wild in fhady moift places, in feveral parts of England, and it flowers in the beginning of April; the leaves decay about the latter end of June. The root is faid to be deterfive, vulnerary, and refolvent, but it is never used with us.

MUSCUS TERRESTIS VULGATIOR commonground or earth Mo/s, is a creeping plant that covers all lean barren grounds, and is to be met with almost every where. The leaves are long, as slender as hair, for, green, and fometimes yellowish, and it adheres to the earth on one fide. It is astringent, and made use of by fome to stop blood.

MUSCUS TERRESTIS REPENS, first CLAVA-TUS, Club-moss, creeps upon the earth far and near, and takes root by the help of long woody fibres, that that proceed from the different branches to the right and left. It has no pedicles, but has fmall heads that are collected together like a club, and under each of the fcales there are bivalved capfulæ, in the shape of kidneys, which when ripe, throw out a duft, as fine as the flower of brimftone. It grows in fandy forrests, and among stones and rocks. The clubs appear in June, and in July, August, aad September, the dust may be gathered, which being thrown on the flame of a candle, immediately takes fire, and flashes like gunpowder. Some pretend this powder is good in the flone and suppression of urine. The dose is from half a fcruple to a fcruple.

MYAGRUM, Gold of pleasure, has a fibrous root, a little woody, which fends forth a stalk to the height of a cubit and upwards, from whence proceed feveral cylindric, firait, flender branches, a little downy, and full of a fpungy pith. The leaves are longifh, pointed, foft, of a palish green, slightly dentated on the edges, and their bottoms furround their falk in fnch a manner, that the fides represent two wings or ears. The flowers confift of four petals, placed in the form of a cross, and of a yellowish colour; the piftil arifes out of the calyx, and afterwards becomes a fruit in the shape of a pear, with one cell, including an oblong feed, and two empty cells at the point. lt is an annual plant, that decays as foon as the feeds are ripe, and grows wild in feveral parts of Europe. The oil of these feeds is much used in Germany, where they have large fields fowed therewith, and the poor people use it instead of fweet oil; but the rich for lamp-oil. This oil is emollient, and moderately heating, and it is given inwardly in a painful coffivenefs.

MYRRHIS, faveet Cicily, has a long, thick, white, foft, and fomewhat fpungy root, with stalks that rife to the height of four or five feet, which are branched, downy, and hollow. The leaves are large, and winged like those of hemlock, but whiter, and often marked with white fpots, they are foft to the touch, a little downy, and have the fmell of chervil. The flowers

Digitized by Google.

271

272 THE NATURAL HISTORY

flowers grow in umbels on the tops of the branches, and are composed of five unequal petals, disposed like those of the flower de luce. The calyx turns to a fruit, composed of two feeds, refembling the bill of a bird, and are gibbous on one fide, but plain on the other. It may be propagated at the beginning of *March* by fowing the feeds on a bed of light earth in a fhady fituation, and when the plants come up, they fhould be transplanted into the like earth in a mark flhady fituation, about two feet afunder. Some use the leaves as a fallad, and think it is as good as common chervil; it flowers in *June*, and the feed is ripe in *July*. It is looked upon as a pectoral, and the leaves being dried in the fhade, and fmoaked like tobacco, help those that are troubled with an afthma.

2

ζ

ł

ł

MYRTUS MINOR VULGARIS, Box-leafed Myrthe. is a fhrub that has a hard woody root, that fends forth a great number of fmall flexible branches, furnished with leaves like those of box, but much less, and more pointed ; they are foft to the touch, fhining, fmooth, of a beautiful green, and have a fweet finell. The flowers grow among the leaves, and confift of five white petals, disposed in the manner of a role. and have a calyx cut into five fegments. There is a great number of flamina, which have a fine fmell, and when the flower is fallen off, the calyx becomes an oval oblong berry, adorned with a i. of a crown, made up of the fegments of the calyx. The berry is green at first, but grows black when ripe, and is imooth, juicy, and divided into three cells, containing hard feeds in the shape of kidneys. This fort of myrtle is the most common in the gardens of the northern countries, and is propagated from cuttings. the best feason for which is in July. The should be fix or eight inches long, and the leaves on the lower part should be stripped off above two inches high, and the part twilted which is to be placed in the ground. They should be planted in pots, two inches diftant from each other, and the earth should be preffed clofe about them, and there should likewife be fome

fome water to fettle it. The pots should be plunged in old dung, or tanner's bark, and shaded with matts in the heat of the day, watering them occasionally. In about a month's time they will take root; and towards the beginning of Scptember they should be removed to a place sheltered from cold wind, where they may remain a month, and then be removed to the green house. At the beginning of the next April they fhould be taken out carefully, and placed in feparate pots, with a ball of earth at the root.

MYRTUS COMMUNIS ITALICA, common Myrtle, with pretty large leaves, grows fometimes to the height of a tree, and has a red bark ; the leaves are like those of pomegranates, and the flowers are composed of five white petals, placed in the form of a role, and are like the former. The berries are like wild olives, but are bigger. It is common in Tu/cany, and about Rome and Naples, where it is feldom without flowers. The leaves are aftringent as well as the berries; but now they are neglected as a medicine.

MYRTUS BRABANTICA, Dutch Myrtle, is a fmall shrub, with a hard flexible root, and rifes to the height of a cubit or upwards; it has the look of a fmall willow, for which reason it is called by some fweet willow. There are male and female flowers on different plants, and those of the male are oblong, loofe, fcaly catkins, and in each of the fcales there is a flower in the shape of a half moon, but without petals, though there are from five to fix stamina. The female flowers have no stamina, but an oval pistil, fupported by two ftyles, which afterwards changes to a berry, containing one roundifh feed. It grows plentifully upon bcgs in many parts of England, and flowers. in May and June; and the feeds grow ripe in July and August. Where this shrub grows in plenty, it is fo fragrant, especially after a shower of rain, as to perfume the air at a great diflance, during the fpring and fummer. Some have fuppofed that this plant was the fame as the China tea, though it is in reality very different from it. The leaves have been faid to have many

many virtues, and they are still used in some places to kill worms.

NAPELLUS VERUS, five ACONITUM CÆ-RULEUM, Monk's Hood, has a root of the fize of a fmall rape root, which is black without and whitifh within ; it fends forth feveral stalks, to the height of three feet and upwards, which are round, fmooth, full of pith, fliff, and hard to break. They are furnished from the top to the bottom with large roundish. jagged leaves, placed alternately ; they are of a dark green, fmooth, nervous, and divided and fubdivided into many jaggs. The flowers grow in a fort of fpikes on the top of the branches, and are composed: of five unequal petals, the uppermoft of which is hollow like a helmet, or a monk's hood, from whence this plant has its name ; the two leaves on the fidesrepresent the ears, and the two lower ones the part that goes under the chin. Each of these flowers are fucceeded by three or more pods, which contain fmall feeds, that are black when ripe. The flowers are commonly brought to market in May, to furnish flower-pots for chimneys, for it is very common in all old gardens. This plant has been always looked upon as a dangerous poifon, it being caultick, and. corrofive, and therefore it would be time loft to take notice of its virtues.

NAPUS DULCIS, five VULGARIS, Nevew, or French Turneps, has an oblong, round, thick root, but not fo big as a turnep; it is flefhy and tuberofe, but more flender on the lower part than on the top. It is fometimes white or yellowifh without; and fometimes blackifh without, and white within. The taffe is fweet and biting, but more agreeable than that of a raddifh. It fends forth a flalk to the height of a cubit, and upwards, which is divided into branches. The leaves are oblong, deeply cut, of a dirty green, and without pedicles. The lower leaves are finuated, furround the italk, and terminate in a point. The flower confifts of four petals, of a yellowifh colour, placed in the form of a crofs; in fhort it agrees in moft refpects with

with common turneps, only the root is lefs, and the gafte is warmer. They may be cultivated by fowing the feeds in *June*, *July*, and *Auguft*, in the fame manner as turneps. There are two forts, garden Nevew, with a white root; and garden Nevew with a black root. They are windy, and hard of digeffion, for which reason they do not agree with weak flomachs, though in fome places they are accounted more delicious than common turneps. They are pectoral, and cleanfe the lungs without irritation. The feeds are aperient, and diurctic, and fome affirm they are good againft the jaundice.

NAPUS SYLVES FRIS, wild Nevew; differs only from the former, in having leffer roots, for it is feldom thicker than one's thumb. It grows wild upon dry banks in most parts of *England*, where it flowers early in the fpring. It is cultivated in the ifle of *Ely*, for the feeds, it being the cole feed from which they draw oil.

NARCISSO-LUCOIUM, Snow-drop, has a bulbous root, composed of feveral white coats, except the outermost, which is brown, and underneath there are whitish fibres. It fends forth three, four, or five leaves, like thole of leeks, which are green, fmooth, and fhining; among these arise an angular, furrowed, hollow stalk, fix inches high, cloathed with leaves as far as the middle, which form a kind of white sheath. It generally bears but one flower at the top, though fometimes two, but feldom three. The fheath of the flower is oblong, blunt, compressed, and opening fideways becomes a dry skin; the flower itself has three oval oblong petals, which are fpread open, and are equal; the nectarium is feated in the middle, and is cylindrical, blunt, and bordered. The piftil is placed in the center of the flower, attended by fix famina, and afterwards becomes an oval capfula, with three cells full of roundith feeds. They are of , two forts, the fingle and the double ; and they are valued for their early appearance, which is commonly in January, when the ground is covered with fnow. The

276

The roots fhould never be planted fingle, becaufe the flowers make the belt appearance when they grow in bunches. When there are twenty or more roots together, they have a very good effect. The root is of ro use in medicine, however they tell us, that a certain country woman in *Germany*, brought these roots to market, and fold them for cibouls, and the perfons who eat them were furprized with vomitings, which however had no bad consequence; hence fome think they may be used as a good emetic for country people.

NASTURTIUM HORTENSE, garden Creffes, has a fingle woody, white root, that is not fo acrid as the leaves; it fends forth feveral stalks, to the height of a foot, or a foot and a half, that are round, fmooth, folid, branched, and covered with a fort of blueifh dust, that will readily come off. The leaves are oblong, deeply cut, and have no disagreeable taste. The flowers grow on the tops of the branches, and confit of four petals, placed in the form of a crofs, and of a whitish purple colcur. The pistil which rifes from the center of the flower-cup, becomes a roundifh fmooth fruit, divided into two cells, containing fmall, oblong, yellowish feeds. It is cultivated in gardens as a fallad herb, and is in most esteem in the winter, and in the fpring. During the winter they must be fown on a gentle hot-bed, covered with mats or glaffes, in the fpring upon warm borders, and in the fummer upon shady borders. They attenuate and cut gross thick humours, and are good in obstructions of the viscera. It may be eaten plentifully as a fallad, and therefore nothing need to be faid of the dole.

NASTURTIUM AQUATICUM, Watercrefs, or Creffes, has a fmall white root, full of knots, from each of which feveral capillary fibres proceed, that enter into the water. The flalk arifes to the height of a foot, and is crooked, thick, hollowed, furrowed, fimooth, branched, and of a green colour, with a reddifh caft. The leaves are almost round, juicy, of a greenish brown colour, and have a biting agreeable tafte.

š

tafte. The flowers grow on the top of the flaks, and are fmall, white, composed of four petals in the form of a cross, with feveral yellow flamina and apices; thefe are fugceeded by pods, that are a little crooked, and divided into two cells full of roundith, fmall, reddifh feeds, of an acrid tafte. It grows on the fides of brooks and ditches, and flowers in *July* and *August*. It is used as a fallad herb, efpecially in the winter. When the leaves first appear, they are almost round, but afterwards they are cut like those of rocket. It has much the fame virtues as garden creffes, but ftronger, and it is accounted one of the best antifeorbuticks in these parts of the world.

NASTURTIUM INDICUM, Indian crefs, or creffes, has a small, white, fibrous, creeping root, with feveral flender branches, that climb and wind themselves round the trees and plants that are near it. The leaves are round, umbilicated, and placed alternately on the flalks; they are generally broader than long, and fometimes angular like those of ivy; they are of a bright green, and fmooth above, but below they are more pale, but a little downy. The flowers grow at the knots from whence the leaves proceed, and are composed of five petals, in the form of a violet, of a fine yellow colour, and a fweet fmell. The calyx is of a yellowish green, and confiits of a fingle leaf, cut into five oblong narrow fegments, that are terminated on the hinder part with a four. There are reddifh stamina in the center of the flower, with apices of the fame colour, and they furround a pistil, whose base becomes a fruit, divided into three cells, that contain a roundifh feed, covered with a wrinkled skin.

NASTURTIUM INDICUM MINUS, the leffer Indian crefs or creffes, is like the former, only it is lefs in all its parts, and its flowers are of a gold colour, or rather of fulphur; as alfo the leaves are marked at the bafe with a bright vermillion spot, of a rhomboidal shape, with red lines or rays. Sometimes it is double, or at least there is another fort that bears double flowers. They are cultivated in gardens, on account of their beauty, and they were brought originally from Peru; it

ļ

278 THE NATURAL HISTORY

it flowers almost all the fummer, as well as in the autumn, till the cold prevents it; but in hot countries, it continues green, and flowers all the year. They are produced from the feeds, which should be fown in *April*. The leaves and flowers are faid to be good against the fcurvy, but they are more used for food than for medicine, especially in pickles, which are made of the buds of the flowers, in the fame manner as capers; the double flowers by fome are used to garnish diffues.

NEPETA, Nep, or Cat mint, has a woody root, divided into feveral branches, and it fends forth a stalk three feet high and upwards, which is fquare, hairy, branched, reddifh near the ground, and the upper part whitish, the branches are always produced opposite to each other by pairs; the leaves are like those of the nettle or betony, and are ferrated on the edges ; they are pointed, downy, whitish, and have long pedicles; and they have a strong smell of mint, with a biting acrid The flowers grow on the tops of the branches, tafte. where they are collected into fix fpikes; they are purple or whitish, and they each confist of a tube, whole upper lip is cut into two fegments, and the lower into three ; the middle fegment is broad and hollowed like a fpoon, and elegantly crenated on the edges, it is fultained by a calyx, in the fhape of a horn, and fucceeded by four naked oval feeds. It is called cat mint because the cats will not fuffer it to grow, and is propagated by fowing the feeds in March, in beds or borders of common earth; but it is found wild in many parts of England. It is aperient, and has all the virtues of common mint; it may be drank in the manner of tea. When the cats eat too much of it it will make them drunk ; but what is very remarkable, if it be raifed from feeds the cats will not touch it, according to the proverb; If you fet it, the cats will eat it ; if you fow it, the cats win't know it.

NERIUM, the Oleander, or Role-bay, has a long, woody, fmooth root, that fends forth feveral ftalks, which are large, firm, ftrait, of a pale green, with a yellowifh caft, and full of juice. The leaves are oblong, pointed, thick, hard, ftiff, and bigger and broader than those of

the

à

the almond-tree; and they are generally placed by threes, and fometimes opposite to each other by pairs, along the branches; they are of a greenish brown above. like those of the bay tree, and whitish below, on account of the fpots fprinkled here and there, without juice. The flowers confit of a fingle petal, which is deeply divided into five beautiful fegments of a curious red colour. The piftil arifes out of the flower-cup, and becomes a taper fruit or pod, of the length of one's finger, and divided into two cells, filled with flat feeds, with down adhering thereto. It is very common in English gardens, and is either preferved in pots or tubs, and placed among myrtles, oranges, and the like, in the greenhoufe; but they only require to be sheltered from the hard froft. They are propagated from fuckers, or by laying down their tender branches in April, and they will take root in one year ; they fhould be taken off the next year, and planted in pots, filled with rich fresh earth, watering them plentifully in dry weather. It is generally accounted a poifon, and therefore is of no ufe in medicine, only it enters the fleeping powder of the Paris difpenfatory.

NICOTIANA MAJOR LATIFOLIA, the greater broad leaved Tobacco, has a white fibrous root, which fends forth a ftalk to the height of five or fix feet, as thick as one's thumb, and round. It is hairy, and full of a white pith. The leaves are large, without pedicles, and placed alternately on the stalks by their large appendages ; they are hairy, full of nerves, a little pointed, clammy to the touch, and of a pale green, inclining to yellow. It is divided into feveral branches at the top, that support flowers in the shape of a bell, and divided into five deep fegments, as well as the calyx, which expand like a flar. They are of a purple colour, and the apices of the flamina are sprinkled with a fine powder of an afh-colour. The embryo becomes an oblong, roundish, membranaceous fruit, divided into two cells full of reddifh feeds, that are exceeding fmall, in proportion to the bignefs of the plant. It is a fummer plant with us, though it will fometimes in moderate winter, continue all the year. It is known by the Ame-

280 THE NATURAR HISTORY

rican planters, under the title of Oroonoko tobacco; but it is not in fuch effeem with the English, as the other forts. In Brafil it flowers continually, and will live ten or twelve years.

NICOTIANA MAJOR ANGUSTIFOLIA the greater narrow-leaved Tobacco, differs only from the former in their leaves, which are narrower, and more pointed, and are fixed to the stalk by pretty long pedicles.

NICOTIANA MINOR, the leffer, or common English Tobacco, has a fingle thick root, fometimes divided into feveral tender white fibres, and fends forth a stalk to the height of two feet, which is hairy, folid, fometimes as thick as one's finger, branched, and clammy to the touch. The leaves are rounder than those of the former forts, and are placed alternately on the flalks, they are flat, blunt at the end, of a greenifi brown, and have fhort pedicles. The flowers are numerous on the top of the branches, and are divided into five fegments like the former; they have five stamina, whose apices are of an ash colour, as well as the pistil; they are lefs than those of the former kind, and the colour is of a greenish yellow. The calyx is hairy, clammy. and divided into five parts. The flowers are succeeded by roundifh capfula, in the form of an navel, and when ripe, open into two parts, and are full of a vaft number of yellow tawney feeds. Befides thefe, there are other forts, as the greater narrow leaved perennial tobacco ; the leffer tobacco with larger and rougher leaves ; the great broad leaved tobacco with white flowers, and a fort feed veffel; the dwarf tobacco with a primrofe leaf; and the small tobacco with a leaf in the shape of a heart, and a flower with a longer tube. The first of these forts, is most common in England, and is generally raifed by. the gardeners near London, who supply the markets with pots of plants to adorn belconies in the city. They, were all brought originally from America, and at first were in high esteem for their medicinal qualities. It is called tobacco from the island of Tobago, from whence it was brought in the year 1560.

The

17 13

đ

1.12

ł;

સ સ

The taffe and fmell of tobacco is well known, as well as its common use. Some use it as a vomit, which fhould be never done. except in cafes of necessity. The watery extract made by long boiling, and preferved dry, has a cleaning anodyne quality, and is excellent for appeafing an althmatic cough. It may be taken in broth, or with a stomachic remedy to four or five grains. ĺn fome delicate conflitutions, it will occasion a retching to vomit, which may be eafily remedied with a draught of burnt wine. Outwardly the plant is cleanfing and healing, and will foon-cure malignant ulcers, when other things fail. Some make an ointment of tobacco for the killing of lice, but it should be used very cau-When it is beaten into a cataplaim with vitioufly. negar or brandy, it will remove hard iwellings of the liver and spleen, as we learn from the Edinburgh estays. Some recommend the finoking tobacco in the time of the plague, and other infectious difeafes.

NIGELLA, Fennel flower, or the devil in a bufb, has a fmall, fibrous, whitifh root, that fends forth fome times a fingle, and fometimes a branched, lean, furrowed ftalk, which feldom rifes to the height of a foot. The leaves refemble those of dill, but are lefs, and placed at greater diffances; and they are likewife cut into narrower jaggs. The flower-cup confifts of five leaves, which expand in the form of a ftar, and branch out into many other fmaller leaves; the flower confifts of many petale, placed orbicularly, and expand in the form of a rose, having many fhort ftamina furrounding the embryo in the center of the flower, which afterwards turns to a membranaceous fruit, confilting of feveral cells, that are horned at the top, and full of black feeds. It grows every where among corn and flowers, at the end of the fummer.

NIGELLA ROMANA, Roman Fennel flower, has a root like the former, with many furrowed flender stalks, a foot in height; the leaves are pretty large, green, and cut into flender fegments. The flowers are placed at the tops of the branches, distinct from each other, and are composed of five petals, of a pale colour, and difposed in the form of a rose. There are several stamina in

in the middle. furrounded with a crown, and they are fucceeded by a membranous fruit, and divided into feveral cells, that terminate in horns. This plant is cul-tivated in gardens, and flowers in July, August, and September. The feeds brought from Kaly, are the befly and they fhould be fresh, large, and of a fine yellew colour, or black. It is refolvent, difcutient, and ftrengthening, and is proper for correcting the impurities of the ftomach, breaft, and kidneys. It is good against catarrhs of the head, the head-ach, arifing from thence, the vertigo, and obstructions of the nose, either in fumigations, or fnuffed up the nofe when powdered. The dole inwardly is from one fcruple to a dram. It is of great use among the Germans, but neglected by us. Some affirm that it has some hurtful qualities while fresh, and therefore they would have it dried over the fire, to confume the moifture. When given to a dram in honey, in a morning fasting, it is good against wind, and the cholic preceeding from thence.

NIGELLASTRUM, five LICHNIS SEGETUM MAJOR, corn Campion, has a fmall, fingle, white root, that fends forth a ftalk to the height of two cubits, which is hairy, jointed, light, and divided into a few branches. The leaves are placed opposite to each othery by pairs, and are narrow, long, even on the edges, and furround the flalk, with a broad bafe, which gradually decreases to a sharp point; and they are covered with long whitish hairs. The flowers grow on the top of the branches, and confift of five petals, generally of a purple colour, but fometimes white, or of a pale yellow, and they are furrowed towards the center, by lines of a deeper colour, with fmall black fpecks. The calyx is undivided, but furrowed and hairy. The embryo rifes in the center of the calyx, and becomes a conical fruit, almost in the shape of an acorn ; when it is ripe it opens into five parts, and contains large angular furrowed feeds, in the fhape of a kidney. It is found every where among corn, and flowers in May. June, and July. Some recommend a decoclion of the leaves, against the itch, and other difeases of the skin; but it is now out of ufe.

X

tt.

1

2

ŝ

ć

\$

1

ł

t

3

ù,

j

11

1.....

ł

ŧ,

۲

Ś

t

5

ξ

;

;

1

5

Ş

17 1. 6

ų

₹,

i,

2

OF VEGETABLES.

NOLI-ME-TANGERE, five BALSAMINE, Balfamine, has a root that runs level with the ground, and fends forth a stalk to the height of a foot and a half, which is tender, of a bright green, fmooth, fhining, light, branched, geniculated by intervals, with tuberofities that look like the knots of the gout. The leaves are placed alternately, and are fomewhat like French mercury, but they are bigger, and deeply dentated on From the places where the leaves join to the edges. the falk, there proceed long pedicles, that bend down to the ground, which are divided into three or four branches, on which hang fmall flowers, with four unequal petals, supported by two small green leaves ; but the flower is yellow, reprefenting a kind of a fea-monster, with a fmall body, and a flender fhort, crooked, pointed tail, like an ox's horn, fprinkled with deep red fpots ; the mouth is wide, and in the middle there are feveral stamina, of a whitish colour. They are succeeded by long, flender, knotted fruit, of a whitish green, ftreaked with green lines, bending to the ground. They open as they grow ripe, and when the wind blows a little ftronger than ordinary, or by the least touch, they shoot out their feeds, at the fame time writhing themfelves like worms ; the feeds are either afh-coloured, brown, or red. Those that are not used to this plant, are always shartled when the feeds burft out in the above manner ; and from its not bearing to be touched without this effect, it is called Noli me tangere, that is touch me not. It grows wild in fome places, and flowers in June, and it is also cultivated in gardens, for the diversion it affords. It is propagated by the feeds, and if fuffered to caft them, it will come up every fpring without any care; but it delights most in moist shady places. It is very aperient and diuretic, and frees the kidneys from gravel. Some authors fay it is emetic and purgative ; however it has no fuch quality in this climate.

NUMMULARIA, Moneywort, has a very creeping flender root, and fends forth feveral long, flender, angular, branched flalks, that creep on the ground, and the leaves are placed in pairs opposite to each other; they are about as broad as one's finger, and are almost round,

284 THE NATURAL HISTORY

round, though a little curled, and of a yellowifh green colour; where the leaves join to the ftalk, the flowers proceed, which are large, confit of a fingle petal, cut into the fhape of a rofe. On fome branches there are three leaves, and as many flowers at each knot. They are fucceeded by fmall round fruit, containing feeds hardly vifible. It is called money wort from the roundnefs of the leaves, and is common in moift places, and by the fides of ditches. It begins to flower in May; and continues to do fo moft of the fummer. The leaves are aftringent and vulnerary, and proper to flop hæmorrhages, both inwardly and outwardly. The dofe of the juice is from one ounce to three, and in decoftion from one handful to three. *Baerbaavae* recommends it greatly againft the hot fcurvy.

75

1.1

:

1

ģ

i,

ï

19

1

1

ŝ

1

ź

2

1

1

ł,

k

4

Ż

1

Ż

λ,

NYMPHÆA ALBA, white Water lilly, has a long root, as thick as one's arm, and fometimes as the leg. full of knots, of a brown colour without, and white within; it is flefhy, fpungy, full of c'ammy juice, and adheres at the bottom of the water to the earth, by feveral fibres. It fends forth large roundifh leaves, in the shape of a heart, that are thick, fleshy, veinous, and of a whitish green colour on the top, and of a brownish green beneath; and fwims on the furface of the water; these are supported by long pedicles, as thick as a child's finger, which are cylindric, reddifh, tender, juicy, and fpungy. The flowers are large and broad when blown. confifting of feveral leaves, disposed in the form of a rofe, of a fine white colour, but of little or no fmell. The flower cup confifts of five whitish leaves, and there are other leaves on the edges, of a whitish green colour. There are a great number of flamina, with a piftil that turns to a globular fruit, like the head of a poppy, divided into feveral cells, full of oblong, blackifh, fhining feeds. It grows wild in marshes and standing waters, and flowers in May and June.

NYMPHÆA LUTĚA MAJOR, the great yellovo Water lilly, differs from the former, in having leaves not quite fo round, and in the flower, which is yellow, befides which the fruit is of a conical fhape, and contains larger feeds. It is found in the fame places, and flowers flowers at the fame time as the former. The roots have both the fame virtues, and have a clammy bitterift tafte. They are proper in heat of urine, want of reft, and all internal inflammations, but are now feldom ufed. The powder of the dried root is given from a fcruple to a dram. We are informed, that in a time of fcarcity in Sweder, the country people made use of them for food, which did not prove unwholesome.

.

15

Ľ

į.

÷

ţ.

Ŀ

5

rđ

-

.

j

1

OCIMUM, Bafil; this plant has a woody, black, fibrous root, and fends forth a ftalk to the height of half a foot, and upwards, which is divided into feveral small fquare branches, that are a little reddifh, hairy, and furnished with leaves, like those of pellitory, but less, and they are fometimes cut on the edges, and fometimes even. The flowers are placed in a long fpike, but are not very close, on the top of the stalks, and they are of a white colour, with a purplifh caft. They confift of a fingle labiated petal, whole creft or upper lip is upright, roundifh, notched, and larger than the beard or lower lip, which is cut into three fegments. The flower cup is cut on the edges into four parts, the uppermoft of which is hollow like a fpoon, and the piftil which rifes out of it is attended with four embryoes. which afterwards become fo many feeds, inclosed in a hufk, that was before the cup of the flower. The hufk is divided into two lips, the uppermost of which is cut in two, and grows upright; but the under one is split into feveral parts.

OCIMUM SEU BASILICUM MINIMUM, the leaft Bafil, fmelling like cloves, has a fibrous fmall root, with a thalk about a palm in height, with branches that are a little woody, on which there are leaves like those of marjoram, that have a purplifh caft. The flowers are fmall, and grow along the branches; they are like the former, and the capfulæ contain fmall blackifh feeds. They are both propagated by feeds, which fhould be fown the beginning of April, on moderate hot-beds, and when the plants are come up, they fhould be removed to another, of the fame fort, observing to water and fhade them, till they have taken root. In May they fhould be taken up with a ball of earth to the roots, and tranf-

204 transplanted either into pots or borders. The leaves and i ma feeds are cephalic, cordial, and pectoral. Some powder = the dried leaves, and make them into fnuff, which they ž: 1 think has a better effect than common inuff. An inπà fusion of the leaves may be drank in the manner of \$ <u>1</u> 2 tea for the head-ach, and for fluxions on that part ; but à, it is now out of use with us.

KR Í

111

2

Q.;

2

It of a the son

2

ť

ŝ

'n,

2.2

ŝ ž

3

OENANTHE, Water drop wort, has glandulous 5 roots, that are black without, and white within, that are connected to the stalk by filaments, and they have a 1 fweet pleafant tafte ; they fend forth feveral stalks. to the height of two feet, that are blueish, angular, furrowed, and branched. The first leaves are large, lye upon the ground, and are like those of parsley, and taste not unlike it, but they are of a fhining green ; but afterwards they become like those of hog's fennil. The flowers are disposed in umbels, on top of the branches, each of which is composed of five white petals, with a purplish cast, and they are in the form of a flower de luce, or as others fav, a rofe. The embryo is placed on the top of the calyx, and turns to two oblong feeds, that are gibbous, fireaked on one fide, and plain on the other, ending as it were in prickles, the middlemost of which is ftronger than the reft. It grows in watery places, and is also cultivated in gardens. The root is faid to be cleanfing, aperient, and diuretic, though fome would have it to be poifonous; however it is not now used as a medicine.

OLEA MAJOR, five HISPANICA, the manured Olive tree, has a trunk that is knotted, and more or lefs high, with a fmooth afh-coloured bark, and yellowifh wood, that has fomewhat of a bitter tafte. The leaves are oblong and narrow, almost like those of willow ; they are pointed, thick, flefhy, hard, of a greenifi yellow colour above, and whitish below, but without down ; they have very fhort pedicles, and are generally placed by rairs opposite to each other. The flowers proceed from the places where the leaves are joined to the stalks, and grow in whitish branches, like those of the alder ; they confift of a fingle petal, the lower part of which is hollowed, and the upper is divided into four parts ; the embrya

OF VEGETABLES.

2

Z

1

:2 \

2]

a |

d

1

e.

à

02

i i

i i i

ł

٢

l

ł

٦

eribryo of which is fixed in the center of the flowercup, becomes an oval, green, flefhy, fucculent fruit, of different fizes; for in Spain it is as big as a middling plumb; whereas in Italy and Languedoc, it fcarce arrives at the fize of a common acorn. This is the olive. which is at first green, then yellowish, and at length blackish, when it is full ripe; though there are some in Spain that turn white. They are oily, and have an acerb difagreeable tafte, and contain an oblong stone, which is very hard, and within it is a kernel of the fame shape. It is cultivated in the southern parts of Europe, and delights in dry, marly places, that are exposed to the south or east, and it flowers in June and July; this tree continues a long time, and the wood which has a fine fmell, will burn as well green as dry. They produce a large quantity of fruit, of which they make oil olive, or fallad oil, well known all over Eu-They are planted out of curiofity in England, in rope. pots or cafes, but they must be removed into the greenhouse all the winter. There are several forts of olives that differ in shape, colour, fize, and juice. They are pickled in falt and water, and then become agreeable to the tafte ; and are well known in England, by the name of pickled olives; they are then faid to create an appetite, and ftrengthen the ftomach, and when they are eaten in large quantities, they never do any harm.

ONOBRYCHIS, Cock's-head, or Sain foin, has a long, hard, woody root, black without, and white within, which fends forth feveral strait strong stalks, about a foot in height, and of a reddifh green colour. The leaves are like those of vetches, but smaller. which are green above, white and downy below, pointed, and placed by pairs on one fide. The flower is papilionaceous, and the pittil rifes out of the downy flower-cup,which afterwards turns to a crefted pod, in the shape of a cock's comb, and is rough, with prickles; each of these contain a feed, in the shape of a kidney, which has a pretty good tafte when it is green. There is another kind of Sain-foin, that differs little from the former, except in being less; there is also Spanif Sain-foin with a flame-coloured flower, that is cultivated in the gardens of

287

of the curious. Sain foin is a French word, and fignifies wholefome hay, and is fo called, becaufe it is thought to fat all forts of cattle, the foonest of any other. The , hay made of it is accounted among us the beft fort of food for most cattle, especially in the spring, there being no danger attending it, as there is in clover ; it breeds abundance of milk, and the butter that is made of it is very good. There is a fort with a deep red flower, which when disposed in the large borders of pleasure gardens, afford an agreeable variety; for they are of a beautiful colour, grow in long fpikes, and continue a great while. Some observe, that if Sain-foin be carefully gathered. well dried, and kept in boxes, has the fmell of tea, infomuch that it has been mistaken by good judges for green tea; but then it must be gathered before it flowers.

47

N .

 \mathbf{r}

÷.

31

-

2

۲<u>.</u>2

 $\left| \cdot \right|$

2

2

1

30

1

ť,

1

2

5

t,

2

1

1

¥

ĺ,

ų,

ł,

i

t

2

ł

ONOPORDON, five SPINA ALBA, prickly globe thifle, has a tender, white, fweetifh root, that fends forth a stalk to the height of three or four cubits, thicker than one's thumb, which is furrowed, hollow, covered with a fort of white down, and defended throughout its length with prickly membranes; the leaves, which are only a continuation of thefe, are larger than the hand, broad, finuated, and armed with fhort prickles on the edges, and covered on each fide with a whitish down. On the tops of the flalks and branches there are large heads. that are generally fingle, flat, and broad, and composed of scales, that terminate in a long, sharp, stiff prickle, of a yellower colour than that of the leaves. In these heads there are tufts of purple floretts, though fometimes they are white ; and they are fucceeded by furrowed feeds, with hair or down adhering thereto. It grows in all cultivated places, and by the fides of high--ways and ditches, almost every where. It flowers from June till August, and the root dies when the feed is ripe. The root is faid to be aperient, diurctic, and carminative; but they are of no uje at prefent.

ONOPORDÓN, five CARDUUS GLOBOSUS, Globe thifile, has a thick root, with an aromatice tafte, as well as the flalk and tops, except the white pith, which is dry and infipid. The flalk is downy, furrowed, and

OF VEGETABLES.

and grows to the height of three or four cubits, and is without prickles, The leaves are a foot, or a foot and a half long, but narrow, and covered underneath with a down, but are of a black green above, and armed with long, fliff, tharp prickles. There are large, round, fcaly heads, on the tops of the branches, armed with thorns that are not very prickly, among which there is a thick white down, with flowers confifting of feveral ftamina of various colours ; under the flowers there is a pulp or white flesh, of a pleasant aromatic taste. The flowers are fucceeded by oblong, fhining, afh coloured feeds, a little flattish, and wrapped in a kind of wool or This plant grows on the fides of highways, and cotton. in mountainous, uncultivated places ; it flowers in July and August, and fometimes later. We are informed. that a countryman was cured of a cancer in the nofe, by applying the juice of this plant, and the leaves as a cataplaim, after the juice was preffed out. He learned this fecret of another countryman, who had cured feveral by the fame means; Tournefort extends this virtue to cancers of the breafts; but be this as it will, the experiment may be eafily made, fince this plant is fo common. Ray affirms, that these heads may be boiled before the flowers appear, and then the pulp eaten with butter and pepper, will be quite as good as artichokes.

.

<u>و</u>

1

~

1

1

ā

ч,

OPHIOGLOSSUM, Adder's tongue, has a root with many fibres, gathered up in a bundle, and it fends forth a pedicle as high as one's hand, which supports a single leaf. like the small leaf of a peartree, but flatter ; it is flefhy, fmooth, without nerves, upright, and fometimes a little narrow and oblong, and at others broad and From that part of the leaf that joins to the roundifh. pedicle, there proceeds a spike, which resembles a serpent's tongue, that terminates in a point, and is dentated on each fide, like a file. It is divided into feveral fmall cells, that contain a meal or duft, which they throw out when ripe ; but there are no vfible flowers. It grows wild in meadows in feveral parts of England; and if it be transplanted into the shady parts of gardens, it will foring up in April every year, and will continue till Yune; but foon after it withers away. The best method VOL. VI. is

280

is to dig up the plants about the middle of April, with large balls of earth, the full length of the roots; and then they must be planted with a turf about them. It is a vulnerary herb, and is thought to be good for ulcers, when bruifed and applied as a cataplasm.

OPHRYS, feu BIFOLIUM, Tway blade, has a fibrous root, and fends forth a fingle flalk, from half a foot to a foot high, which has only two leaves about the middle, placed oppofite to each other, and are like thofe of common plantain. The top is adorned with flowers, each of which has fix leaves, and the five uppermost are fo placed, as to refemble a helmet, and the lower in fome fense, has the refemblance of a man; the colour is greenish, or a whitish green. The calyx becomes a fruit like a lanthorn, with three horns or windows, and it has three fides, to which adhere valves and very fmall feeds like duft. It is pretty common in moift and flady woods, and flowers in May and June. It is vulnerary, cleanfing, and confolidating, but is now of little or no use in medicine.

OPULUS, five SAMBUCUS AQUATICA, Mark elder. or Gelder role, has a thick, firm, white root, that fends forth a stalk to the height of five or fix cubits, and is divided into feveral branches, like those of the elder tree, and is knotted by intervals; it is covered with a fmooth ash-coloured bark or rind, and is full of white fpungy pith ; it is very tender and brittle. The leaves proceed from the knots, and are large, angular, and like those of the maple tree. The flowers confist of a fingle petal or leaf, divided into five parts at the top, and expanded in the form of a role. Those about the circumference of the umbel are larger than the reft, and of a fine white colour, with a calyx that proceeds from the middle of the cup, but they are barren. Those in the middle or centre are fmaller, open later, and in their bottom there is a hole that receives the point of the calyx, and they are of a yellow colour. This turns to a berry, a little larger than that of the common elder, which is foft and red when ripe ; in each of these there is a flat red feed in the shape of a heart. This shrub delights in moift woods, and on the banks of ri-

vèrs,

1

į

Ŋ

į

ł

2

ł

4

ζ

1

1

ì

Ż

2

ł

ž

22.20

1

ļ

.

Р.

(Y)

ril C

c5; 2

iem i

); 25

1 000

. Д

.

e tir

2775

10.1 22

wari

ುಂ

)រាល់ រំ [

; 20 (71)

[1]

era**n**,

01 [J

lin)

(3

int elit

1

ni**r**

210

301

f &

:op,

:ne

cit,

, di

ઝંદ

jn

of

ns

0**n**

cť

15

r!·

Γ.

vers, and it flowers in *May*; but the berries are not ripe till autumn, and they continue all the winter. There is another *Gelder rofe*, that differs from the former only in having the flowers collected into a globe, and it is common in old gardens in most parts of *England*. At a diffance the flowers refemble fnow-balls, for which reason it is called in fome countries the *Snow-ball tree*. It is of no use in medicine.

ORCHIS, Jeu SATYRIUM, Fool-flomes, has a root composed of two tubercles almost round, which are fleshy. and of the fize of nutmegs; whereof one is full and hard, and the other wrinkled and fpungy. At first it fends forth fix or feven leaves, that are long, pretty broad, fmooth, and like those of the flower de luce, but fmaller, and generally marked at the top with brownith red fpots. The stalk rifes to the height of a foot, and is round, ftreaked, and encompafied with one or two leaves; on the top there is a long fpike of beautiful purple flowers, that are whitish towards the center. and fprinkled with fpecks of a deeper purple, Fach flower is composed of fix unequal petals, of which the five uppermost compose a fort of a helmet; and the lower petal, which is larger than the reft, has a fort of a head or helmet at the top, and terminates in a tail, or tharp point like a fpur. The calyx becomes a fruit. with three fides, and is divided into three cells, containing many fmall feeds. It flowers towards the end of April, and the beginning of May, and is found in many parts of England.

ORCHIS LATIFOLIA, feu MAJOR, Dog's-flones, has a root like the former, composed of two bulbs, or flefhy tubercles, but larger, and they are in the fhape of large olives. The flalk rifes near the height of a cubit, and has long pyramidal flowers at the top, which are Iarge and beautiful, whitifh within, and fprinkled with purple spots, but they are reddifn on the outside, and represent a man in armour, without hands or set. The leaves are big, long, and broad, and are roundifn at first when they rife out of the earth in November. The set is like that of the former, and it flowers in May. There are feveral other forts of these plants, O z the

292 THE NATURAL HISTORY

2

. .

11

ų

3

2

\$

3.4 2.0

Z

ì

Ŀ

ķ

t

b

;

Ş

ĩ

ì

í

ł

ŝ

•

1

4

the under part of whole flower represents several shapes, as a naked man, a butterfly, a fly, a drone, a pigeon, an ape, a lizard, and a parrot; and these all grow wild in feveral parts of England; but deferve a place in every good garden. The Turks have a preparation of a certain root that is called lalep, which they make use of to recover their ftrength. It is supposed to be a kind of orchis, and the following preparation of this root, will answer the fame purposes. Take the roots or bulbs of orchis, that are well nourified, and after they are fkinned, throw them into cold water, and after they have been there fome hours, boil them in a fufficient quantity of water, and then strain them ; this done, put them on a ftring, and dry them in the air ; this is beft done in a dry hot feason. They will become transparent, very hard, and will refemble pieces of gum tragacanth. If they are kept in a dry place they will always remain good, and may at any time be reduced to a very fine powder. A fcruple of this, put by little and little into boiling water, will entirely melt, and will be fufficient for a pint of water; it may be rendered more agreeable, by putting in a little fugar, and is exceeding ufeful when mixed with milk, in all difeafes of the breaft : for it is very emolliert, and will abate the fharpnefs of the humour's; it is excellent in confumptions, and bloody fluxes of the bilious kind.

١

OREOCELINUM, five APIUM MONTANUM, Mountain Parfley, has a root confifting of many fibres, adhering to one head, which creep greatly in the earth ; they are blackish on the outside, and white within, and are full of mucilaginous juice. It has a fingle ferulaceous stalk, that rifes to the height of four or five feet, which is furrowed, and divided into wings. The leaves proceed as well from the root as the stalk, and are large. but like those of the common parsley, only they are more firm and fmooth. The flowers grow in umbels at the top of the stalks and branches, and are small, whitish, and confist of five purplish petals, disposed in the form of a role. These are fucceeded by a fruit. which was the calyx of the flower, composed of two feeds, that are oval, flattifh, radiated on the back, and bordered bordered with a membranous leaf, of a reddifh colour. It grows in mountainous places, where there are paftures.

OREOCELINUM, five APIUM MONTANUM MINUS, smaller mountain Parfley, has a pretty thick, foft root, that is fibrous on the upper part, and white both within and without; the stalk rifes to the height of a cubit and upwards, and is pretty thick, firm, furrowed, knotted by intervals, reddifh and branched. The leaves lye on the ground, and are like those of garden parsley. The flowers grow in umbels on the top of the stalk and branches, and are of a white colour. The feeds that fucceed them, have a more acrid talte than the leaves. It delights in mountainous and fandy places, and flowers in July and August. The feeds are accounted an aperient, and proper to open the obstructions of the liver and spleen ; they are also diuretic, and free the kidneys from gravel; but they are feldom uled among us.

ORIGANUM VULGARE, wild Marjoram, has a flender, woody, fibrous root, creeping obliquely into the ground, which fend forth feveral stalks, that rife to the height of two or three feet, which are haid. fquare, and downy. The largest leaves refemble those of common calamint, and the lesser those of marjoram ; they are downy, have an agreeable fmell, and an acrid. aromatic talle. The flowers are collected into scaly fpikes, and are labiated, confifting of a fingle petal, whole upper lip is erect, roundifh, and divided into two fegments, but the lower into three. The piftil arifes from the calyx, and is fixed in the back part of the flower like a nail ; it is attended with four embryoes, and turns into as many small seeds, contained in a capfula, that was the calyx of the flower. It grows wild on dry chalky hills, and on gravelly foil, in feveral parts of England, and it flowers in the fummer. Wild marjoram is diuretic, and diaphoretic, and may be uled in the manner of tea in the althma, and a violent cough. The powder of the leaves and the flowers dried in the fhade, is cephalic, and being taken as fnuff, will make the nofe run confiderably. It helps di-

03

Digitized by Google

geftion.

gestion, discusses wind, and is employed externally in baths for the feet.

Σ¢.

75

2.

2(

. 13

12

.i'

2,

.

.

 \mathbf{T}_{i}

ž;

Z

30

÷.,

4

h,

2

h

x;

i.

Z,

ĩ,

l,

4

.

.

ł,

ű

Ç

b

ų

.....

ORNITHOGALUM, far of Bethlehem, has a bulbous root, and long, narrow, foft, hollow, creeping leaves, like those of grass, with a white line running down the middle; the ftalk is round, naked, and tender, and has a flower like those of Ellies, composed of fix leaves, placed circularly, and on each of which there is a petal on the upper part. The embryo is a long tube, with a spherical apex, that turns to a roundish fruit, full of roundish black feeds; in general it greatly refembles a leek. There are many forts befides this, most of which grow wild in Spain and Portugal, and they are generally hardy plants. They are all propagated by off-fets, and the best time to transplant the roots, is in July or August, when the leaves are decayed; they are of no use in physick.

ORNITHOPODIUM MAJUS, the greater Bird'sfoot, has a fmall, white, fingle, fibrous root, accompanied with feveral grains or tubercles, with feveral flexible, weak, branched, round, hairy flaks, that feem to creep on the ground. The leaves are less than those of the Bastard Sena, and the flowers are small, papilionaceous, and disposed in spikes on the top of the branches; the piftil arifes out of the calyx, which afterwards becomes a hooked jointed pod, that is generally undulated, and at every joint there is a round feed; and feveral of these pods grow together in fuch a manner, as to refemble the foot of a bird. It flowers in fummer, and generally in June, and it delights in dry cultivated places. The whole plant is accounted aperient and diuretic, and when powdered, the dole is a dram in a glafs of white wine; but it is not now in use.

OROBUS, five ERVUM, bitter Vetch, has a flender, whitifh root, with feveral weak, angular, fmooth, branched ftalks, and the leaves are oblong, like those of lentils. The flowers are papilionaceous, collected in fpikes, and are of a purple or white colour, with purplish blue lines, and the calyx is in the fhape of a dentated dentated horn. They are fucceeded by pendulous pods, about an inch long, and undulated on each fide; they are whitifh when they are ripe, and contain oval feeds. To this may be added, that two leaves join together, and grow upon a rib that terminates in a point. There are two or three other forts, all which may be propagated by fowing the feeds on a bed of light frefh earth in the fpring. It flowers in *April, May* and *June*, and the feeds will be ripe in *July* or *Auguft*. It is fown in the fields in feveral parts of *France*, for the feeding of cattle, and pigeons are very fond of the feeds. They have a mealy, bitterifh, difagreeable tafte, and are accounted refolvent, aperient, and diuretic, but they are now quite neglected in practife.

ORYZA, Rice, has a root like that of wheat, and furrowed stalks, that rife to the height of three or four feet, which are thicker and ftronger than those of wheat or barley, and knotted by intervals. The leaves are like those of reeds in shape, but they are fleshy like leeks. The flowers grow on the tops, are of a purple colour, and are difposed into panicles. The feeds are almost oval, white, transparent, hard, and are contained in a yellowish, rough, furrowed, angular, downy capfula, fomewhat like barley ; they are placed alternately on each fide of the branches. This plant is cultivated in hot countries, in moist marshy land, and the use of the seeds is principally for food. However they deftroy the acrimony of the humours, and are good in fluxes of the belly. Rice ferves inflead of bread in most of the castern countries, and is their principal nourishment. It is now planted in South-Carolina, where great quantities have been produced, and as good as in any other part of the world. It is chiefly used here for puddings, and to make ricemilk.

OXYCOCCUS, five VACCINIA PALUSTRIA, Moor-berries, has a flender, creeping, reddifh root, with fmall fibres like hairs, and many long, exceeding flender, weak flalks, of a reddifh brown, that lye O 4 and

and creep on the furface of the earth ; the leaves are like those of dodder, and fometimes smaller, which are hard, green above, of an afh coloured green below, fmooth, and generally turned up on the edges; they are placed along the stalks alternately. The flowers grow on the tops of the branches, and are cut into four pointed parts, of a purple colour, and there are feveral yellow stamina that join to the pistil, and form together a kind of pointed body. They are fucceeded by reddiff berries, or of a greenifh yellow, that are almost round or oval. There is a navel in the middle in the form of a crofs, and they contain four very small feeds, that lye upon the ground, as well as the tops, and are fometimes hid in mofs. It grows in moift, marshy, shady, barren places, and flowers in May and June, and the fruit is ripe in July and August. In some countries they are eaten by children and thepherds; and Linnaus observes, that filversmiths make use of the berries, to render the filver more white. They are cooling, and are given in fome places in decoction, against burning and malignant fevers, but with us they are not used in medicine.

PÆONIA MASS, Male Peony, has an oblong, thick, tuberofe root, brown without, and pale within : and is often divided into feveral branches; it fends forth stalks to the height of two or three feet, that are a little reddish, and divided into branches. The leaves are large, and composed of feveral other leaves, almost like those of the hazel tree; but they are broader and thicker, and of a fhining, brownifh, green colour; they are also covered underneath with a down, and have long reddifh pedicles. The flowers grow on the tops of the stalks, and are large, confifting of feveral petals, that expand in the form of a rofe, sometimes of a purple colour, and sometimes of a palifh red. The calyx is composed of five leaves. and in the middle there are purple stamina with faffron coloured apices. They are fucceeded by fruit, composed of several small, white, downy, shining, crooked 8

.

3

ġ

1

χ

.'1

T

ł

ł

ł

3

٦

R

2

3

i

ł

Y

ş

ł

ŗ

ţ

2

Ì

2

horns, that open when they are ripe, and contain many globulous feeds, that are red at firft, and afterwards of a dark blue or black. It flowers at the beginning of May, and they fall off foon afterwards. It is cultivated in gardens for the fake of the roots, which are used in medicine. They are propagated by parting the roots, and are extreamly hardy, for they will grow in any foil or fituation; the best feason for this is in the beginning of September.

PÆONIA FOEMINA, female Pecny, has a root composed of feveral tubercles, connected together with fibres, and fends forth a tall stalk, that has fcarce any rednefs at all; the leaves are of a greenish pale colour above, and whitish, and a little downy underneath. The flowers are like those of the former, but they are not fo large, no more than the fruit. This is a very common fort, and it is to be met with almost every where in gardens. The Male Peony is principally used in medicine, and the roots and feeds have been thought by many, to be a fpecific against the falling-fickness, convultions, and the palfy. They are reduced to powder, after they have been dried in the fhade, and then the dole is a dram or two; or an ounce of the roots is given in decoction, while they are fresh.

PALIURUS, Chrift's thorn, has a hard woody roor, with a flem that grows fo high, that it fometimes deferves the name of a tree. The branches are long and thorny, but those that are near the leaves are fmaller, and not fo prickly as in other places. The leaves are almost round, pointed, and of a dark green colour, with a reddift caft. The flowers are small, yellow, grow on the tops of the branches, and are generally composed of five petals, in the form of a The piftil arifes from the flower-cup, which rofe. turns to a fruit almost in the shape of a bonnet, having a shell that is nearly globular, divided into three cells, on each of which there is a fingle roundifh feed. This forub grows wild in the hedges of Italy, Spain, Porsugal, and the fouth of France, from whence their 0 5 feeds.

feeds are procured. It flowers in May and June, and the fruit is ripe in the autumn. It is called *Chrift's* thern, because they suppose his crown of thorns was made of the branches of this tree. It may be propagated by laying down the tender branches in the spring, which will take root in a year's time; the best feason for transplanting them is in the autumn, soon after the leaves begin to decay. The fruit is faid to be diuretic, and to help the mosist afthma, by promoting expectoration; but it is not in use among us.

 Z_{i}^{i}

3.

÷.

Ŀ,

1

4

;;

į.

í,

1

1

1

Ľ

2

ķ

à

þ

R.

11 200 14

3

ŝ

ł

Q

.....

:

1

ţ

ì

à

PANICUM GERMANICUM, German Panic, has a firong fibrous root, that fends forth feveral branches like reads, which generally rife to the height of two cubits; they are round, folid, and have fometimes about ten knots; they grow lefs gradually to the top, where the flowers grow in close thick fpikes, that are not divided like those of millet, but are compact like a bunch of grapes, though it is a plant of the millet kind, and only differs from it in the disposition of the flowers and feeds. It is fown in the fields of Germany, France, and Italy, in a light, fandy, moift foil, where the ferves as food for the inhabitants. The feeds are opening, and abate the flarpness of the humours; however they are not now regarded as a medicine.

PAPAVER CORNUTUM, seu CORNICULA-TUM, Yellow borned Poppy, has a root as thick as one's finger, which is long, blackish, and full of a yellow juice, as well as all the plant, and has a particular take and fmell. It fends forth long, flefby, thick, downy leaves, cut deeply on the fides, and dentated on the edges; the colour is of a feasgreen, and they lie upon the ground, where they continue all winter. The stalk, which does not rife till the fecond year, is ftrong, folid, knotty, fmooth, and divided into feveral branches, fending forth leaves from the knots that are fmaller, and not fo jagged as those below. The flowers grow on the top of the stalks and branches, and are as large as those of garden poppies, being each composed of four yellow petals, placed in the form of a role; in the middle of which, there

there are a great number of stamina, of the fame colour. They are succeeded by fruit, or a fort of pods, a fpan in length, or longer, and are very flender and. crooked like horns; they are rough to the touch, blunt at the ends, and contain a double row of feeds, feparated by a partition, and as round as those of common poppy, and very black. It grows wild on the fea shore, and in fandy maritime places. If it be fown in gardens in the autumn, it will come up in the fpring, and will flower in June and July, and the pod will be ripe in August. This plant is accounted diuretic, and very good for those who make thick urine; and in Portugal they give an infusion of half a handful of the leaves in a glass of white wine for the gravel and stone; but it has not been brought into use in England.

1

٤

ې

;

•

1

.

å

3,

¢

i¢

j-

ß

k

3

ß

s,

h, 12

PAPAVER RHÆAS, The greater wild Poppy, or Comrofe, has a fingle white root, as thick as one's little finger, furnished with a few fibres, and has a bitter tafte. It fends forth feveral stalks, to the height of a cubit, or upwards, which are round, folid, hairy, and branched; the leaves are jagged like those of fuccory hairy, of a brownish green, and dentated on the edges. The flowers grow on the top of the flaks and branches, are composed of four large, thin, deep, red leaves, which are ready to fall off with each blaft of wind; these are succeeded by small heads of the fize of hazel nuts, that are oblong, fmooth, and much of the fame shape with those of the garden poppy. They are divided into feveral cells, containing blackifb, or dark red feeds. This plant grows almost every where in the fields, especially among corn. It flowers in May, June, and July. The flowers are made use .of in medicine, and are a little anodyne and nar-They are good in acrimonious catarrhs, cotic. roughnesses of the face, and in commotion of the fluids. They may be drank as tea, and are of very great service in all cases where a gentle opiate is useful; there is a fyrup made with these flowers kept in the shops, which will ferve for the above purpofes.

Digitized by Google

PAPAVER

PAPAVER, HORTENSE NIGRO SEMINE. The liffer Garden Poppy, has a root about the thickness of one's little finger, full of a bitterish milk, as well as the whole plant. It fends forth an upright stalk to the height of two cubits, which is generally fmooth, though fometimes a little hairy, and the leaves are oblong, broad, dentated, curled, and of a fea green colour. The flowers grow on the top of the stalks and branches, and are large, in the shape of a rose, of a reddifh colour, and fometimes fingle, and fometimes double; as also sometimes fringed on the edge, and fometimes not. The calyx confifts of two leaves, that generally fall off as foon as the flower is blown. It is fucceeded by roundifh heads of different fizes, crowned with a fort of cover, in the form of a ftar. and contains in their cavities or membranous cells feeds of a blackish colour. There is a great variety of these plants and different colours, that are fown in gardens for the fake of their flowers; but they are not fo much used in medicine as the white poppy. They may be all propagated by the feeds fown in autumn, and they will flower in May and June, and fometimes during all the fummer.

The heads of the falks of these plants contain a milky juice, which may be collected in a confiderable quantity, by flightly wounding them when almost ripe; this exposed for a few days to the air; thickens into a clammy mass of the fame quality as opium, but weaker. Poppy heads boiled in water communicate theirvirtues to it very freely; and when the liquor is ftrongly prefied out, clarified with the whites of eggs, and evaporated to a due confistence, yields an extract that weighs, about one fixth of the weight of the heads. Some count it more fase than opium, but it must be.. given in a double dose.

PARIETARIA, *Pellitary of the wall*, has a fibrous. reddiffi root, with feveral flaks that rife to the height of two feet, which are round, reddifh, brittle, and branched. The leaves are oblong, like those of french mercury, and they are pointed, downy, of a brown-

iſĿ

:

3

54

ľ,

1.1

ĭ

1

5

;

.

3

1.1

2

2

ž

ą

3

2

N

1

à

1

ź

.

è;

ish green colour, shining, rough, and are apt to hang to the cloaths of paffengers ; they have long pedicles, and are placed alternately on the stalks. The flower has no petals, but has generally four stamina, that rife out of a flower cup, divided into four parts. which is fometimes in the shape of a bell, and fometimes like that of a funnel; they furround a piftil that generally turns to an oblong feed, contained in a capfula that was in the cup of the flower. It grows upon old walls and buildings in great plenty, and it flowers in May. It is looked upon as aperient, temperating and refolvent, whether taken inwardly or applied outwardly. The dole in infusion, is from one handful to three, and of the juice from one ounce to three. It is accounted one of the five emollient herbs, and is made use of occasionally for that intention, particularly in decoctions, fomentations and clyfters.

PASTINACA, Parsnep, or the Garden Parsnep, has a long, thick, flefhy root, of a yellowish colour, in the middle of which, there is a nerve that runs throughout its whole length. The stalk rifes to the height of three or four feet, and is upright, firm, furrowed, hollow, and branched. The leaves are large and composed of other leaves, that are villous, dentated on the edges, and winged; and they are placed onea pretty large rib; they are of a brownish green, and placed by pairs along the rib, which is terminated by a fingle leaf. The flowers grow on the tops of the stalks and branches, in large umbels, and each flower has four yellow petals, placed in the form of a rofe; thefe are fucceeded by large, oval, flattifh, flightly furrowed feeds bordered by a fmall membranous leaf refembling those of angelica. The root of this plant is of great use as food, for which it is chiefly employed. It flowers in July and August the fecond year, after it has been fown. The tafte of parineps is well known, and they are more nourifhing than carrots, though fome have a natural averfion to their ufe.

PASTINACA SYLVESTRIS, wild Parfnep, has a white fingle root, that has fometimes large fibres, and it has the fame tafte and fmell as the garden parfnep. The flalk is two or three cubits high, and is upright, stiff, furrowed, hairy, hollow within, branched, and has leaves alternately placed like the former : but they are smaller, are of a deeper green, and are fometimes hairy, especially towards the root. The flowers grow in umbels, and are fmall, yellow, and composed of five petals each ; these are fucceeded by double feeds, as in the former. It grows in uncultivated places, in dry fields, and upon hills; and it flowers in the fummer. Some make use of it as an aliment, and pretend when the feeds are fown in the garden, they will produce as good parfneps, as the garden fort. Both the feeds and root have been commended as a remedy against agues ; but they often fail. Some assure us, that the roots of parsneps that have continued long in the ground, become dangerous food, and that they caufe a fort of madnefs.

PELLIBOSSA, five LYSIMACHIA lutea, Loyfe Arife, has a reddiff root, that creeps along the furface of the ground, and fends forth feveral stalks. two or three feet high, that are ftrait, furrowed, hairy and knotty, and from every knot there proceed three or four, and fometimes five oblong acute blackish green leaves, like those of the willow tree, that are whitish and downy underneath. The flowers grow on the tops of the branches, and are rofaceous, and confift of a fingle petal, divided into five fegments; the piftil turns to a fruit, or globous head, which when ripe, opens at the point into feveral parts, and contains finall feeds, that have a taste like Coriander seeds. It is one of the most beautiful plants that grows in the fields, and delights in moift marshy places, near the fides of brooks and ditches, and flowers in June and July. It is faid to be aftringent and vulnerary, and fome give the decoction of it or its powder against hemorrhages; outwardly it.

is

2

È

ķ

È,

302

is good when applied as a cataplaim, to cleanie and heal wounds.

PERFOLIATA, Therew wax, has a root as thick as one's little finger, which is fingle, woody, white, and has a few fibres; the flalk is fingle, and rifes to the height of a foot or a foot and half, and is flender. firm, round, furrowed, hollow, knotted, and branched ; the leaves are fingle, oval, or almost round, alternately placed, and pierced as it were through the middle by the stalk or branches. They are of a fea green colour, with an acrid tafte. The flowers are imall, grow on the top of the branches in yellow umbels, and are composed of about five petals, circularly placed ; they are fucceeded by feeds that are united by pairs which are oblong, roundifh on the back, furrowed and black. It grows among corn, flowers in June, July and August, and is given inwardly in contofions attended with an inward bleed. ing : fome reckon it an efficacious medicine, when applied outwardly for navel ruptures.

PERIPOLCA, Virginian filk, or climbing dogs bane, of Montpellier, has a root almost as thick as one's finger, that is long, white, fibrous and creeping ; as alfo full of a milky juice, as well as the reft of the plant. The stalks rife to the height of two cubits, and are flender, round, branched, pliant, and creep upon any tree that flands near it. The leaves fland opposite to each other, and are large, thick, whitish, pointed, and cut in the form of a crofs, near the pedicle, and are full of a milky juice. The flowers proceed from the places where the leaves join to the stalk, and confut of a fingle petal that is white, and cut into five fegments in the form of a flar. The piffil is fucceded with a fruit, fo like that of dog's bane as not to be diffinguished from it; and when it is opened, it discovers a downy substance, under which the feeds lie. It grows wild about Montpellier, but with us it is propagated in gardens, by laying down the branches at the foring of the year; it flowers in June, Fuly and August ; and the milky juice being inspissated over

over the fire, becomes blackish, and greatly refembles scamony, but is not so purging; and therefore requires a large dose to procure that effect.

Ľ

PERSICARIA MITIS, dead or spotted Arse Smart, has a slender, oblique, woody, fibrous root, difficult to break, and fends forth flalks to the height of a foot, that are round, hollow, reddifh, branched and knotted. The leaves are like those of the peach-tree, and fometimes marked with blackish spots. The flowers grow in fpikes and confift of fingle petals, cut into five fegments, and are without a calyx; but there are five stamina that are purple and shining, though sometimes whitish; they are succeeded by oval, flattish, pointed, fmooth, blackish feeds. It has not fo acrid a tafte as the following, and it is a little tart. It grows in watery, marshy places, and in moist ditches, almost every where; it flowers in July and August. It is looked upon as astringent, deterfive, and vulnerary, and its decoction is faid to be good in fluxes of the belly, and for ulcers of the intestines. Tournefort affirms, that it is the greatest vulnerary that he knows. and that its decoction in wine will ftop a gangreen in a. furprifing manner.

PERSICARIA URENS, biting Arfe Smart, has a: fmall, fingle, woody, white, fibrous root, that fends. forth feveral stalks to the height of a foot and a half, which are firm, round, fmooth, knotty, branched, and fometimes reddifh, and fometimes of a greenifh. yellow. The leaves proceed from the knots of the falk, which they embrace by their membranous appendages, and are of a pale green, and like those of the peach tree. The flowers grow in long fpikes on the top of the stalk and branches, and confist of a fingle petal, cut into five fegments ; there is no calyx, but there are five stamina generally of a purple colour ; they are fucceeded by pretty large feeds, fomewhat. triangular, fhining and blackish. It has an acrid biting tafte, like pepper, and grows in watery marshy places on the fides of brooks and ditches; it flowers in July and August. It is faid to be cleansing and vulnerary,

nerary, and to be good in the dropfy, jaundice, and obfiructions in the vifcera. Its diffilled water given to two or three ounces, is by fome accounted a fpecific against the gravel. All authors agree, that the herb applied to old ulcers eats away proud flesh, cleanfes and dries them applied as a cataplasm to the bruises of horses, it refolves the coagulated blood; if the wounds and ulcers are washed with the juice, the flies will never come near them.

PERVINCA, five CLEMATIS DAPHNOIDES, Periwinckle, has a fibrous root, with flender, long, round, green, knotty, creeping, climbing stalks; the leaves are oblong, green, fmooth, and placed by pairs, opposite to each other, and are of a bitter flyptic taffe. The flower cup confifts of a fingle leaf, divided into five long, narrow fegments; and the flower of a fingle petal cut into five fegments, that expand into the form of a falver. The piftil is fixed in the lowett part of the flower, like a nail, and turns to a fruit composed of two husks or pods, which contain oblong, cylindrical, furrowed feeds. Some call it ground laurel, because its leaves refemble those of that tree. This plant is an ever-green, and is propagated by the branches that take root in the earth, and it flowers in the fpring, and continues to do the fame for a long while. It is accounted vulnerary, and is found almost every where, in hedges and among fhrubs.

PERVINCA LATIFOLIA, FLORE CÆRULEO, greater Periwinckle, with a blue flower, has a fibrous creeping root, with feveral thick, round, knotty, green, creeping branches. The leaves are placed by pairs, facing each other, along the flalks, and are of a fhining green, with a bitter acrimonious difagreeable tafte. The flowers are like the former, generally blue, though fometimes white and without fmell. It differs from the former only in being larger in all its parts. It is faid to be vulnerary, aftringent, and febrifuge, and is given to abate all kinds of bleedings. The frefh leaves applied to the fwellings of the king's evil mixed with lint.

lint, are accounted by fome an excellent remedy to diffolve and difcufs them.

Ū.

1

ł,

ą,

2

а;

i,

Ł

È,

Û,

i,

ŝ

4

Ň

Ŷ,

PETASITES, butter bur, has a thick, long root, 2 brown without, and white within ; the flalks are 31 thick, hollow, and hairy, and rife to the height of half Ч. a foot ; the leaves are fmall, narrow, and pointed ; and the flowers grow at the end of the flalks in tufts, and ť, confist of many floretts, divided into feveral parts; 41 they are contained in a cylindrical calyx, cloven almost I, down to the bottom, into many fegments. There is 3 a fingle embryo that becomes a feed, furnished with \mathbf{r}_{i} down. The flowers appear before the leaves, which ι. are very broad, and have a hollow in the middle, and ù, round that a hollow expansion in fuch a manner, that 5 they refemble bonnets. It grows in moift places on è. the fides of rivers, brooks, lakes, and ponds; and it ā. flowers early in the fpring. In fome places the leaves 2 grow to the height of a man, and continue all the ÷ winter. Some authors have confounded this plant Q, with the great burdock, because the leaves have fome Ċ, refemblance to each other. The root which is the part 3 made use of is aperient, refolvent, hysteric, and vulų, nerary; it brings up phlegm in afthmas and obfinate k; coughs. It is greatly recommended by fome, for e, promoting the menfes and urine, if the decoction of an ounce be made in a pint of water and boiled i, away to one half, and a glass of it given in a mornŝ ing fasting. à

PETROSOLINUM, Parfley, has a fingle root as thick as one's finger, and often much thicker, that is furnished with a few fibres; it is whitish, long, and good to eat. The stalks fometimes grow to the height of three or four feet, and are round, furrowed, knotted, and branched. The leaves are composed of others that are cut into jags, are green and have long pedicles. The flowers grow on the top in umbels, and are composed of five pale petals, disposed in the form of a role; these are succeeded by feeds that are joined by pairs, and are flender, furrowed, grey, and roundish at the back. It is cultivated in gardens, and will

will endure all forts of weather. It delights in a moift ground, for which reason it should be often watered. It fends forth a stalk the second year after it is sown, and flowers in *June* and *July*, and the seed is ripe in *August*. It is aperient, and is faid to open obftructions; but its chief use is only as a kitchen herb. The seed is one of the sour hot seeds, and is attenuating and diuretic, and is faid to be good in the gravel and dropfy.

PETROSELINUM MACEDONICUM, Macedonian Parfley, has a long, thick, white, wrinkled, woody root, which fends forth a flalk to the height of a foot and a half, that is thick, hairy, and branched. The leaves refemble those of garden parsley; but are more large, a little more cut, and dentated. The flowers grow on the top of the branches in umbels, and are whitis, and composed of five petals in the form of a rose. They are fucceeded by flender, hairy, oblong, aromatic feeds, of an acrid taske. It grows wild in Macedonia, and was greatly valued by the ancients; but is here cultivated in gardens. The feed only is in use, and has the fame virtues as that of common parsley, but stronger, and is an ingredient of Veraice treacle.

1

:

ŝ

į

ł

t

١,

ţ

i,

f

ť

Ç

C

ŝ,

PEUCEDANUM, Hog's fennel, has a long, thick, hairy root, blackish without, and whitish within; it is full of juice, and when it is wounded, it pours forth a yellow liquor, that has the finell of pitch ; but much more difagreeable. The stalk is two feet high, and is hollow, furrowed and branched. The leaves are like those of fennel, but larger, and divided into three jags, and are winged, narrow and graffy. The flowers grow at the top of the branches in um. bels, which are fmall, yellow, and confift of five leaves disposed in the form of a role. The piful turns to a fruit, composed of two feeds that are almost oval, radiated on the back, and bordered with a membranous leaf on the edges. It grows in marshy, shady places, in many parts of England, and flowers in July and August, and the feed is ripe in autumn. All

All authors agree, that it is aperient, pectoral and uterine; but the only part in use is the root, whose juice must be thickened over the fire, or in the fun. The dose is a dram in an ounce of virgin's honey; but is now of little or no use in physic, on account of its bad fmell.

PHASEOLUS, the Kidney bean plant, has a flender, fibrous root, and fends forth a long, round, branched, clinibing ftalk. The leaves come out by threes, in the manner of trefoil, and are large, pointed at the end, flefhy, fmooth, and almost like those of ivy, with long, green pedicles. The flowers are papilionaceous, and a pittl rifes out of the flower cup, which turns to a long pod full of feeds, generally fhaped like a kidney. The use of kidney beans is well known, and therefore need not be mentioned here. They are opening, emollient, refolvent, and promote urine, and they generally agree with most constitutions. The meal of the feed is fometimes mixed in emollient cataplasm.

PHILLYREA, Mock Privet, has a thick firong root that runs deep into the ground, and the flems rife to eight or ten feet high; and are covered with a white or afh coloured bark, a little wrinkled. It is an ever green fhrub, with leaves like those of the privet, and a flower that confists of a fingle petal in the fhape of a bell, cut into four parts at the top; the colour is a whitifn green or herbaceous. The piful that rifes from the center of the calyx afterwards turns to a fpherical fruit or berry, that is black when ripe, and contains one feed. They have been formerly in great request, for wilderness. It flowers in May and June, and the fruit is ripe in September. It is of little or no use in medicine.

PHYTOLLACA, American night fhade, has a root a foot long, that fometimes grows to the thicknefs of a man's thigh, which is white, and perennial. The stalk rifes to the height of five or fix feet, and is thick, round, strong, reddish, and divided into feveral branches. The leaves are placed irregularly, and are

. .,

ł

ţ

.....

t

t

ł

.

ł

;

έ

l

ξ

ş

h

ł ł

Þ

k

÷

Ł

ŗ.

:

۰,

ŀ

s,

ŗ,

2

3

5.

72

.

¥

1

5

Ľ

ĸ

27

1

ſ

2

1

ľ

!

ş

large, venous, foft, and of a pale green, though fometimes reddifh; the shape is like those of common night shade. The flowers grow in bunches, each of which confifts of feveral petals, placed in a circular order, which are of a pale red colour. The piftil rifes from the center, becomes a foft fruit or berry, that is roundifh, full of juice, and is like a button flatted above and below; when it is ripe it is of a brownish red co. lour, and contains feveral round black feeds, placed orbicularly. It is very common in our northern American plantations, and is cultivated in England, for beauty of its flowers. It may be propagated by fowing the feeds in the fpring, upon a bed of light rich earth, and when the plants are come up, they should be moved into the borders of large gardens, allowing them room enough to grow, for they will become very large. The planters take a spoonful or two of the juice of the root as a purge; and that very frequently. The berries are full of a purple juice, which gives a fine tincture to paper, but it will not last long.

PILOSELLA, common Moufe Ear, has a fhort, flen. der root, furnished with fibres, that fends out slender, hairy stalks, which creep upon the ground, where they take root again. The leaves are oblong and roundifh at the end, like the ears of a moufe, from whence it has its name, and they are covered with hair; they are green above, and downy below, and have an aftringent tafte. The flowers are only a fingle florette, of a yellow colour, with a fealy fingle calyx, which is fucceeded by flender, black, downy feeds, in the fhape of a wedge. It grows in dry barren land, and on the fides of highways. It flowers in May, June, and July. It is very bitter and accounted aftringent, vulnerary, and deterfive. The extract given to two drams is faid to be very useful in internal ulcers : likewise eight ounces of the infusion of this plant in white wine, is boafted of as an infallible remedy against the ague, given an hour before the fit.

PIM-

PIMPINELLA, Burnet, or Pimpernel Parfley, has a round, flender root, divided into feveral reddifh branches, among which are fometimes found certain red grains, which they call wild cochineal, and which are ufeful in dying. The stalks are red, angular and branched; the leaves are oblong or roundifh, dentated on the edges. and are placed by pairs on the ribs. The flowers prow on the ends of the stalks, in round heads, and confift of a fingle petal, divided into four parts, in the form of a role, and of a purple colour? in the middle there is a suft of long stamina, the flowers are of two forts, the one barren, that are furnished with stamina, and the other fruitful, that have a piftil. This is fucceeded by a quadrangular fruit generally pointed at both ends, and they are of an afh colour when ripe, containing oblong, flender, reddifh brown feeds, with an aftringent and fomewhat bitter tafte. It grows wild in many parts of England, particularly on dry chalky land, and on hills and mountains. It is faid to be detergent, vulnerary, and diuretic, and fome pretend it stops hemorrhages, as well internal as external, either given in decoction or powder. Boyle recommends it raken with fugar of roles, against bleeding at the nofe, fpitting of blood, and a confumption of the lungs. The dofe in infusion or decoction, is from half a handful to two handfuls, and of the juice, from an ounce to three ounces, or by fpoonfuls.

1

Ŗ

;

2

ž

21. 21

ŝ

b

181.18

.

Ì.

PINGUICULA, Butter wort, has a fibrous root, that fends forth fix or feven leaves, and fometimes more, lying upon the ground, which are of a yellowifh green colour, and are fomewhat thick and fhining, as if butter had been rubbed over them; they are two inches long, about one broad, fomewhat blunt at the extremities, and even on the edges. In the middle a pedicle arifes as high as one's hand, at the top of which is a purple violet, or white flower, like that of a violet; but it confifts of a fingle petal, divided into two lips, and fub-divided into feveral parts; but at the bottom it terminates in a fpur. It is fucceeded by a fruit or fhell, whole lower part is enclosed in the calyx, which when

when open difcovers a button, containing feveral fmall almoft round feeds. It grows in meadows, and other moift and marfhy places, and it flowers in the fpring. It is vulnerary, and heals green wounds very foon; and the juice makes an excellent liniment for chaps of the nipples.

Ķ

3

1

PIPER INDICUM, five CAPSICUM, Guiney Pepper, has a short, slender root, furnished on each fide with a great number of fibres, which fends forth a falk to the height of a foot and a half, and upwards, especially in hot countries ; this is angular, hard, hairy, and branched ; the leaves are long, pointed, and broader than those of arsemart; they are somewhat thick and flefhy, of a greenish brown, and without hair. The flowers which grow under the joints of the leaves, where they adhere to the branches, are rofaceous. and of a whitish colour, very much retembling those of common nightshade; but larger, and supported by a pretty long, fleshy, red pedicle. They are fucceeded by a long capfula, that is as thick as one's thumb, ftrait, and formed of a flefhy, fhining, polifhed fkin, which is green at first, afterwards yellow, and then red; it is divided into two or three cells. that contain many flattish feeds of a whitish colour, inclining to yellow, and generally of the shape of kidneys. It grows naturally in the Indies, and particularly in Guiney and Brafil. It is readily propagated by feeds in hot countries, and there are feveral forts of it; as the capficum with long hanging pods; that with long pods which turn up at the end; the broad leaved capficum, with long streaked pods, commonly called, bonnet pepper; African capficum, with rough hanging pods; African capficum, with pyramidal rough pods, generally growing erect; capficum with long hanging pods that are not hot; capficum with red pods, in the shape of hearts, generally hanging downwards ; capficum with pyramidal, thick, red pods, generally growing upright; upright olive shaped capficum; capficum with fmall, red pods, growing upright, called Barbary pepper; capficum with fmall, round, very hot pods, named bird pepper ; American capficum.

311

capficum, with round fhaped fruit, broad leaves : American capficum, with oblong white pods, growing erect, and capficum with large, rough, red pods, generally hanging downwards, There are two or three other forts, but these are the principal, and they are fown in many curious gardens, in hot beds. They are pretty hardy, and may be planted abroad about the middle of June. The inhabitants of the Wef-Indies make a great use of the bird pepper, which they dry, reduce to a powder, and mix with other inpredients. They fend fome of the pots to England. under the name of Cayan butter, and this is in great efteem by fome. They likewife eat the fruits of fome of these kind raw, but they will burn the throats of those that are not used to them. The last makes one of the fineft and wholefomeft pickles in the world, if they are gathered before the fkins grow tough. It is at prefent of no use in physic.

PISUM, the Pea Plant, has a flender, fibrous root. that fends forth long, hollow, brittle flalks, of -a fea green colour, that would lie upon the ground if they were not supported by props. The leaves are oblong. of the fame colour as the flalks, and fome are fo placed that the falks feem to run through them, while others grow by pairs on the ribs, that are terminated by tendrils or claspers, which lay hold of every thing they meet with ; two or three flowers proceed together from the places where the leaves join to the flaks, and are papilionaceous and white. The miftil is fucceeded by a long pod, full of roundifh feeds, which are very well known. There are feveral forts of peas, as the great garden pea, with white flowers and fruit; the hotfpur pea; the dwarf pea, the French dwarf pea; the pea with an efculent hufk; the fickle pca, the common white pea, the green rouncival pea, the grey pea, the marble rouncival pea, the rofe pea, or brown pea. the Spanish morotto pea, the marrowfat pea, the union pea, the English fea pea, and the pig pea. The Englifb fea pea is found wild on the fhores of Suffex, and feveral other counties in England; and in times of fcar-

city

city they have been a very great help to poor people. The propagating of peas is fo well known, that the manner of it needs not to be taken notice of here. The use of peas is also very well known, they being common food in all parts of *England*; but they are windy, and do not very well agree with weak fomachs. Green peas are very good eaten raw, for those that have the sea foury.

ł

à

Ċ,

PLANTAGO MAJOR, great Plantain, has a short root, as thick as one's finger, and is furnished with whitish fibres on the fides; it fends forth large shining leaves, feldom dentated on the edges, and they have each eight nerves, that run throughout their whole length. The stalk arises from the middle of the leaves to about a foot in height, which are round, hard to break, and fometimes reddish, as well as a little hairy. There grows on the top an oblong point, with fmall whitish flowers, each of these is a pipe, close that at the bottom, open at the top, and cut into four parts, in which are feveral stamina. It is succeeded by a fruit, with a thick, oval, pointed shell, that opens crofsways, and contains feveral fmall, oval, reddifh feeds. This plant is very common, and grows almost every where. It flowers in May and June, and the fruit is ripe in August.

There is another fort of plantain, that has a thick root, which feems to be bit off at the end; the leaves are narrower than those of the former, and contain only five nerves; there is likewife a third that contains but three, and this is called the leffer plantain. They all have the fame medicinal uses, and the leaves are bitter and aftringent. It is accounted refolvent and febrifuge; for the juice being given from two to four ounces, in the beginning of intermitting fevers, often cures them. A ptilan made with the leaves of plantain, is good in the bloody flux, spitting of blood, and all other hæmorrhages whatever. A dram of the feeds, powdered, and boiled in milk, is a common remedy of many country people, for curing fluxes Vol. VI. of

\$14

of the belly. The decoction is an excellent gargle in ulcers of the mouth; and with lime-water it cures ulcers of the legs. Made into an ointment with fresh butter, it is faid to cure the piles.

POLIUM MONTANUM, Poley Mountain, has a woody root, that fends forth feveral flender, hard. woody stalks, to the height of fix inches, which are very downy; fome of these lye upon the earth, and fome are upright. The leaves are fmall, oblong, thick. dentated on the edges, and covered both above and below with a whitish down. The flowers are in the shape of a mouth, like those of Germander, and they are gathered into a head, and are of a colour as yellow as gold. They reach of the shape of a tube. open above, and have a lip cut into five fegments : the upper lip is fo fhort it is not visible, and in the shape of it there are several stamina; they are succeeded by fmall, and almost round feeds, contained in a capfula, that was the cup of the flower. It grows in hot countries, upon mountains, and dry and ftony hills.

There is another Poley Mountain, with white flowers, whole leaves are lefs, and not fo downy as the former; but the flowers are much of the fame fhape. This plant grows not only on mountains, but on dry fandy plains by the way fide, in hot countries. They are fometimes cultivated in gardens, from whence the fhops are fupplied. It is accounted cephalic, and anti-epileptic, and it is fometimes brought in fmall bundles. Those are beft that are full of flowers of a fine yellow colour, and lately dried between two papers. It is an ingredient in Venice treacle, and mithridate, and is good againft the jaundice and dropfy. It may be ufed in the manner of tea.

POLYGILA VULGARIS, Milk wort, has a woody, hard, flender, parennial root, of a whitih or purple colour, with a pretty hard, flender, upright flalk, and another that creeps on the ground. The leaves are fmall, and like grafs, fome of which are fharp, and others oblong and roundifh. The flowers are fmall,

and

1

OF VEGETABLES.

and grow from the middle of the ftalk to the top; they are either of a blue, violet. purple, or red colour, but they are feldom white. They each confift of a tube, fhut at the bottom, and open at the top, where they are cut into two lips; the uppermost of which is furrowed, and the lower fringed. They are fucceeded by a fruit, or flat purfe, divided into oblong fhells; it is wrapped up in the calyx of the flower, composed of five leaves, three of which are fmall, and two great. It grows in untilled places, and flowers in May, June, and July. Some have fupposed it makes the cattle give a great deal of milk, from whence it has its name, and fome pretend it is an excellent pectoral, and good in all diseases of the breaft; but this virtue is not fufficiently warranted.

POLYGONATUM, Solomon's feal, has a long root, as thick as one's finger, and full of large knots or tubercles, of a whitish colour, and furnished with many fibres. The stalks rife to the height of a foot and a half, and are round, smooth, and without The leaves are placed alternately, and are branches. large, oblong, full of nerves, and of a brownish, shining green above, but of a sea-green or blueish colour below. The flowers grow in the places where the leaves join to the stalks, fometimes fingle, and fometimes by two's and three's; they are in the shape of a bell, cut at the top into fix fegments, but they have no calyx; the colour is white, except the edges, which are greenish. The embryo which is feated on the center of the flower, becomes a berry, like those of ivy; they are a little foft, green, or purple, or blackish ; they generally contain three large feeds, like those of vetches. It is very common in all parts of England, and grows in shady places by the fides of hedges, and in woods and forefts. There are feveral forts of this plant, which may eafily be propagated, by parting the roots in the fpring, before they begin to shoot ; they should be planted in fresh, light earth, that is not very rich, where they will thrive exceeding well. It flowers in May and June, and the berries are

Digitized by GOOGLC

31Ç

are ripe in August; but the root is chiefly used in medicine. All authors look upon this plant as aftringent and vulnerary, and it has been often used for the cure of ruptures; but it is now entirely neglected among us.

POLYGONUM, knot Grafs, has a long, thick, fingle, hard, woody, crooked root, which is difficult to get out of the ground; and it fends forth feveral stalks, the length of a foot, or a foot and a half, which are flender, round, folid, tough, and fometimes creep on the ground. They are full of knots, pretty near each other; and the leaves are oblong, narrow, pointed, of a fea-green colour, and have very fhort pedicles. The flowers that proceed from the places where the leaves join to the stalks, confist of a fingle petal, diwided into five parts, and eight ftamina, with yellowish apices, but there is no calyx. It is fucceeded by a pretty large triangular and chefnut coloured feed. It grows almost every where in uncultivated places, and by the way fides. It flowers in fummer, and is always green, except in the winter. It is aftringent, vulnerary, and fome account it excellent to ftop internal bleedings; but it is not now used in England for any fuch purposes.

POLYPODIUM, Polypody, or Oak-Fern, has a root fix inches in length, and almost as thick as a man's little finger, that creeps along the furface of the ground; it is full of tubercles or warts, and is eafily broken. It fends forth leaves, which are like those of male fern, but much lefs, and they are deeply cut almost to the rib, into long narrow fegments, which are covered on the back with a fort of reddifh powder. This examined through a microfcope, appears to be fpherical, membranous shells, which open, and let fall fmall yellow feeds, in the form of a kidney. It is a capillary plant, and confequently bears no flowers; it grows in forefts, valleys, and among ftones covered with mofs, as well as on the trunks of old trees. The root only is used in medicine, and that is accounted best that is found upon oaks. It is green all the year, and

Ľ,

í

R

h

ş

Ľ

i,

5.

10

.

Ş

s

ł

t

and in April it fends forth fresh leaves. The ancients accounted this root to be purgative; but it does not fo much loosen the belly, or at least very weakly. Some affirm, that it opens obstructions of the viscera; but the best authors are not agreed in its virtues, though it has been much used in medicine.

POPULUS NIGRA. the black Poplar tree, has a root that fpreads very deep in the earth, and it is a tall tree, with leaves that are almost roundish, and cut on the edges. They are of a blackish colour, and always tremble, though there is no wind. It bears no flowers or fruit, except catkins, which confit of many pointed fmall leaves. The fruit grows on those trees that bear no catkins, and they confift of feveral fmall leaves, under which lies a bell, containing the embryo; this turns to a membranaceous fpiked pod, that opens two ways, and is full of downy feeds. In the beginning of the foring it produces many buds, about the fize of capers, which are oblong, pointed, and of a greenish yellow colour, and full of a clammy inice, which flicks to the fingers of those that touch them. It grows in moift watery places, on the fides of brooks and rivers, and the buds appear in April, and the catkins in May or June. The buds are only made use of in medicine, and a tinclure may be extracted from it with fpirits of wine, which according to Tournefort, is excellent to ftop inveterate fluxes of the belly, and to heal internal ulcers. The dofe is a dram morning and evening, in a fpoonful of hot broth. They are also employed in making the unguentum populeum.

POPULUS ALBA, the white Poplar tree, has a root that fpreads on the furface of the earth, and the trunk is high, and full of branches, with a fmooth, whitifh bark. The wood is white, but not fo hard as that of the black poplar, and it is more eafily cloven. The leaves are broad, and deeply cut on the edges, they being not very unlike those of the vine, or the large maple, but they are more fmall, green, fmooth, and without hair above, but underneath they are white P_2 and

and downy, and have long pedicles. The catkins and fruit grow on different trees, and are like those of the former. It delights in moift places, and it grows to a confiderable height in a little time. It may be eafily propagated by the thoots that grow on the foot of the tree, and may be planted in meadows, but not in the places where the fipreading roots will damage the grass. It grows almost every where, and the wood is of greater use than that of the black. In *France* they make wooden floes with it, and it ferves every where for the heels of women's floes. No part of it is now used in medicine.

PORRUM COMMUNE CAPITATUM, the common leek, has an oblong, almost cylindrical, fmooth, shining, white, bulbous root, confifting of feveral white coats, joined one to another, and furnished below with feveral fibres. The leaves proceed from the coats of the root, to the height of a foot, and are pretty broad, and placed alternately; they are flat or folded in the form of a gutter, and are of a pale greenish colour. Between these leaves there rifes a stalk to a confiderable height, and in fome countries it is five feet high, and as thick as a man's finger. It is firm, folid, full of juice, and has at the top a bunch of flowers, each of which confifts of fix petals, composed in the shape of a bell, with as many large cylindrical stamina, terminating in three capillaments, of which the middlemost is furnished with a chive. The piftil is feated in the center of the flower, which becomes a roundifh fruit, divided into three cells, containing roundish feeds. It has fomewhat of the fmell of an onion, and is a common kitchen plant, used almost every where. It flowers in July, and its feed is ripe in August. It is fomewhat hard of digestion, and is a little windy; but these inconveniencies may be avoided by boiling them well. They are diuretic, and a dram of the feeds in particular, may be given in a glass of white wine for that purpose. It is cultivated by fowing the feeds in the fpring, along with those of onions; and when these last are drawn

•:

í

2

2000

1

K

t,

ė

ł,

ł

h,

h

drawn up in July, the leeks will have time to grow large afterwards.

PORTULACA, Purslane, has generally a fingle root, with a few fibres, which becomes woody in length of time; the stalks grow to the height of a foot, and are thick, roundifh, reddifh, tender, full of juice, fmooth, and divided into feveral branches; the leaves, which are ranged alternately, are almost round, thick, fleihy, fhining, of a yellowish colour, and a clammy taste. The flowers grow at the places where their leaves join to the stalks, and are of a yellow or pale colour. They are each composed of five leaves, which expand in the form of a role. The calyx confifts of a fingle leaf, fomewhat like a mitre, from which rifes a piftil, which together with the flower-cup turns to a fruit, or oblong capfula, that is like a fmall urn; and of an herbaceous colour. These capfulæ open transversely into two parts, and contain many fmall black feeds. It is propagated almost every where in gardens, by feeds, which must be fown in beds of light rich earth, during any of the fummer months, and it will be fit for use fix months after fowing.

PORTULACA ANGUSTIFOLIA, five SYL-VESTRIS, narrow leaved, or wild Purflane, has a fingle, fmall, fibrous root, with feveral reddifh ftalks, divided into branches, that lye on the ground. The leaves are pretty broad, thick, juicy, and of a blackifh green colour; in fhort, it is like garden purflane, but lefs. It is not a native of England, but grows plentifully in many warm countries. They are both cooling, abate the acrimony of the humours, and are excellent in the fcurvy. As a falled they are only proper for young perfons, and thofe of a hot, bilious conflictution. The leaves of purflane being chewed, abates the pains of the teeth, that arife from having been fet on edge by eating green fruit.

PRIMULA VERIS, *Primroje*, has a thick, fcaly, reddifh, fibrous root, that fends forth large, rough, wrinkled leaves in the fpring of the year, which lye

P 4

on

on the ground, and are covered with fo short a down. which can hardly be perceived. From among these leaves, there arife feveral stalks, to the height of a palm, that are round, a little harry, naked, firm, and suftain the bunches of flowers at the top; they confift of a fingle petal, the lower part of which is tubulous, but the upper part expands in the form of a falver, and is cut into feveral fegments. The piftil arifes from the flower-cup, which is fiftulous, and when the flower is decayed, turns to an oblong fruit or hufk, lying almost concealed in the flower-cup; it opens on the top, and discovers many roundish feeds, fastened to the placents. It grows almost every where in the fields, in fhady places, from whence they may be transplanted into the garden, and placed under hedges. The best time for this, is about Michaelmas, and then the roots will produce flowers early in the fpring. has always been observed, that this plant has fomewhat of a foporiferous quality. Ray affirms, the juice of the leaves and flowers being mixed with an equal quantity of milk, has cured an inveterate head-ach. when every thing elfe failed ; and Hulfe informs us, that a decoction of the roots is very good for a fwimming of the head. Bartholine acquaints us he has cured a perfon that has had the palfy on the left fide, by making use of a fomentation of fpirit of wine, in which primrofes had been boiled.

PRUNUS, the Plumb tree, has a flower that confifts of five petals, placed in a circular order, and expanded in the form of a role. The piftil ariles from the flowercup, which afterwards becomes an oval, globular fruie, with a foft flefhy pulp, furrounding an hard oblong flone, generally pointed. The pedieles or foot flalks, are long and flender, and there is only a fingle plumb on each. There are feveral forts of plumb trees, as the *Jean bautive*, or white Primordian, which bears a fmall, longifh, white plumb, of a clear yellow colour, covered over with a white flue, that eafily wipes off. The juice is fweet, and it ripens in the middle of *July*.

Digitized by Google

The

Ì

3

3

b

h

ġ

١

1

ł

J

i

The early black Damafk, commonly called the Morocco Plumb, is pretty large, of a round shape, and furrowed in the middle like a peach; the outfide is of a dark black colour, covered with a light violet bloom; the flesh is yellow, and it parts readily from the stone. It ripens towards the end of July, and is in good efteem.

The little black dama fk PLUMB, is a small black plumb, with a violet bloom, and the juice has a rich iweetish taste ; the flesh parts readily from the stone, and it is a good bearer, and is ripe towards the latter end of Tuly.

The great damafk wielet PLUMB of Tours, is a pretty large plumb, inclining to an oval shape, and the outfide is of a dark blue, covered with a violet bloom ; the juice is rich and fweet, the flesh yellow, and parts ready from the ftone ; it ripens towards the latter end. of July.

The Orleans PLUMB, is of a reddifh black colour. and is a fruit fo well known to almost every perfon, that it needs not be described; it is a very plentiful bearer, and is planted by those who supply the markets with fruit, though it is but an indifferent plumb.

The Fotheringham PLUMB, is of a blackish red colour, and is fomewhat long, and deeply furrowed in the middle, with a firm flefh, that readily parts from, the flone; the juice is very rich, and it ripens towards. the latter end of July.

The Perdrigon PLUMB, is of a middle fize, and an oval shape, with a very dark outside, covered over with a violet bloom. The flesh is firm, and full of an excellent rich juice ; it is in great effeem, and is ripe in the beginning of August.

The violet perdrigon PLUMB, is a large fruit, and rather round than long; it is of blueifh colour on the outfide, but the flesh is yellowish, and pretty firm, and adheres closely to the fione, the juice is extreamly rich, and it ripens in the beginning of August.

The white perdrigon PLUMB, is of a middle lize, and an oblong shape, with a yellowish outside, covered with a white bloom. The flesh is firm and well tasted, and

Ρç

and is a very good fruit, either to eat raw, or made into a fweet-meat; for it has a pleafant fweetnefs, mixed with an acidity.

The red imperial PLUMB, is a large fruit, of an oval fhape, and of a deep red colour, covered with a fine bloom. The flefh is very dry, but it makes excellent fweetmeats, and is ripe in the beginning of *August*.

The white imperial Bonum magnum; or white Holland, or Mogul PLUMB, is a large fruit, of an oval fhape, and a yellowifh colour, powdered over with a white bloom. The flefth is firm, and adheres clofe to the ftone; the tafte is acid or four, which renders it unfit to be eaten raw; but it does very well baked, or to make fweetmeats thereof. It is ripe in the beginning of September.

The *Chefton*-PLUMB, is of a middle fize, and of an oval fhape, with a dark blue outfide, and a violet bloom. The juice is rich, and it is ripe in the beginning of *August*.

The Apricot PLUMB, is a large round fruit, of a yellow colour, powdered over with a white bloom; the flefh is dry, the tafte fweet, and it parts ready from the ftone. It ripens in the beginning of Auguft.

The Maitre claud, though it has a French name, is not fo called in France; it is of a middle fize, rather long than round, and the colour is finely variegated with red and yellow; the flesh is firm, has a delicate flavour, and parts readily from the flone; it is ripe in the beginning of August.

The red diaper PLUMB, is a large round fruit, of a reddifh colour; powdered over with a violet blue; the flefh has a very high flavour, and adheres clofely to the flone; it is ripe about the middle of August.

La petite reine Claud, that is, the little Queen Claud, is a fmall round fruit, of a whitish yellow colour, powdered over with a pearl-coloured bloom; the flesh is firm, has a rich sweetish taste, and parts readily from the flone; it is ripe towards the latter end of August.

The

Ľ

k

3

EX. 14 . 17

•

2

2

ŗ

į

ţ

10. 10.

i

2

ć

ŧ

ŝ

į

ł

ł

ł

Ņ

N.

ł

The Myrobalan PLUMB, is of a middle fize, and a round fhape; it is of a dark purple colour, powdered over with a violet bloom, and the juice is very fweet; it is ripe towards the latter end of *August*.

La groffe reine Claud, that is, the large queen Claude, is one of the beft plumbs in England, and is of a middle fize, of a round fhape, and of a yellowifh green colour; the flefh is firm, of a deep green colour, has an exceeding rich flavour, and parts readily from the flone; it is ripe about the latter end of August. This is generally miftaken for the green gage, but it is not the fame, though it is like it.

The Rognon de coq, is an oblong fruit, deeply furrowed in the middle, and is of a whitish colour, freaked with red; the flesh adheres firmly to the flone, and it is not ripe till late in the year.

The *Drap d'or*, that is, the cloth of gold plumb, is of a middle fize, and of a bright yellow colour, fpotted or ftreaked with red; the fleth is yellow, has an excellent juice, and is ripe towards the latter end of *August*.

St. Catherine's PLUMB, is large and oval, but fomewhat flat, and the outfide is of an amber colour, powdered over with a whitifh bloom; but the flefh is of a bright yellow, and is dry, firm, and adheres clofely to the flone, It has a very agreeable fweet tafte, and makes an excellent fweetmeat; it is ripe in the beginning of September.

The royal PLUMB, is a large fruit, of an oval fhape, inclining to a point next the flalk; the colour is of a light red, powdered over with a whitifh bloom, and the flefh, which has a fine fweet tafte, adheres to the flone; it is ripe about the beginning of September.

La Mirabelle, is a fmall round fruit, of a greenish yellow, and the flesh, which is of a bright yellow, parts freely from the flone; it is ripe about the middle of August, and makes an excellent sweetmeat.

The Brignole PLUMB, is of a large oval shape, and of a yellowish colour, mixed with red; the steff

is of a bright yellow, and though it is dry, has an excellent rich flavour. It ripens towards the latter end of August, and is thought to be the best plumb for fweetmeats yet known.

The *Empress*, is a large round fruit, of a reddift violet colour, and greatly powdered with a whitift bloom; the flefth is yellow, of an agreeable flavour, and it ripens towards the latter end of *September*. i

i

ì

t

ą

i

1

ŕ

ż

ŧ

t

The Wentworth PLUMB, is of a large oval fhape, and of a yellow colour, both within and without; it is very like the bonum magnum, only the flefh of this parts from the flone, and the other does not. It is ripe about the beginning of September, and is very good to preferve, if not to eat raw.

The cherry PLUMB, is about the fize of an oxheart cherry, and is of a red colour; the flalk is long like that of a cherry, from which it cannot be diffinguifhed at fome diffance; the tree bloffoms as early as the almond tree, for which reafon they have feldom much fruit.

The white pear PLUMB, is very unpleafant eaten raw, but is good for preferving; it ripens very late, and is feldom planted in gardens.

The mu/cle PLUMB, is of an oblong, flat fhape, and of a dark red colour; the flone is large, and confequently there is not much flefh, and that is not well tafted, for which reason it is made use of for flocks.

The St. Julian PLUMB, is a fmall fruit, of a dark violet colour, powdered over with a mealy bloom; the flefh adheres clofely to the flone, and in a fine autumn will dry upon the tree, for which reason it is made use of for flocks.

The black Bullace, grows wild in the hedges all over England, and is feldom or never cultivated in gardens.

The white Bullace, grows wild as the former, and is very rarely planted in gardens.

The Black-thorn or Sloe tree, is very common almost every where, and is chiefly used for planting hedges, like

like the white thorn, and its being of a quick growth, senders it very proper for that purpole. All forts of plumbs are propagated by budding or grafting on the flocks of any fort that floot freely; however budding is much preferable to grafting.

PLUMBS are in great effeem every where, and they may be planted to grow in divers manners, as in standards, espaliers, or against walls. They require a foil neither too dry nor too wet, and those that are planted against walls, should be placed to an east or south-east aspect, which are better than a direct fouth. Plumbs in general are moistening, laxative, and emollient, except the bullaces and floes, which are aftringent. They are cooling, quench thirft, and create an appetite, and therefore they agree beft with hot conflicutions ; but they do not at all agree with those that have weak flomachs. In those years that plumbs are very plenty, and confequently much eaten by all forts of people, fluxes of the belly ge-nerally abound, which often turn to bloody fluxes; hence it appears that they ought always to be eaten very moderately, and then they fhould be quite ripe and found.

PSEUDO ACACIA, bastard Acacia, has a large long root, of a yellowish colour, and a sweetish tafte, like that of liquorice ; the ftem is of a confiderable height and thickness, and is divided into many branches. The leaves are oblong, and placed by pairs on a rib, terminated by a fingle leaf. The flowers are beautiful, long, papilionaceous, white, and difpoled in fpikes, with a pleafant smell, like that of orangeflowers. These are succeeded by flattish pods, that are longifh, fmooth, and contain feeds in the fhape of a kidney. It has been brought from North-America, and is planted in gardens; it flowers in the fpring, and then makes a very fine flow. It is best propagated by feeds about the middle of April, and if the bed is well exposed to the fun, the plants will appear in about five or fix weeks. They may remain here till the next fpring, when they fhould be transplanted into a nurfery in the beginning

325

beginning of April, placing them in rows, at three feet dittance, and a foot and a half from each other. Here they may remain two years, and then they may be transplanted to the places where they are to grow. They agree with almost every foil, but the bett is a light fandy ground, in which they will shoot fix or eight feet in one year. The wood is of a marbled yellow colour, and very handfome, for which reason fome make use of it for chairs. The flowers are faid to be emollient, laxative, and opening, and the root pectoral; however its virtues are not hitherto very well known.

PSYLLIUM, Flea-bane, has a long, woody, hard, root, furnished with fibres, and the stalks are woody, branched, creeping, and loaded with oblong, narrow, pointed leaves, forming a tuft that looks very agreeably among the grass; but they are hairy, and of a whitish green. There are short spikes or heads on the top, on which are downy flowers, of a pale yellow colour, that confist of a tube, open at the top, which expands into four parts like a cross. They are fucceeded by a membranous capfula, consisting of two cells, which contain blackish feeds, in the spare of fleas. This kind grows wild in the fouth parts of *France*, and it is cultivated in the gardens of the curious; it flowers in *July* and *Augus*, and the set are gathered in autumn. It is a very perennial plant.

PSYLLIUM ANNUUM, annual Flea-bane, has a fingle white root, and feveral stalks, that grow to the height of a foot and higher, that are strait, round, hairy, firm, and branched from the bottom to the top. The leaves are placed to each other by pairs, refembling those of hyssophies but they are narrower, hairy, and furniss proceed from the places where the leaves join to the stalk, and are placed on long, stender pedicles, in short spikes, which consist of pale floretts, like those of the formerkind, and the seeds likewise refemble fleas. It is found growing upon dry chalky hills, in several parts of England. The feed is only in use, which may be turned into a mucilage, that is by some staid to be proper to cure spitting of blood, and the bloody flux; but this

may

may be doubted. It is certainly good in clyfters, againft a Tenefmus and the bloody flux. Some affirm that this mucilage is good in inflammations of the eyes.

PULEGIUM, Penny-royal, has a creeping, fibrous root, with fquare hairy stalks, fome of which are upright, and others creep upon the ground. The leaves are like those of marjoram, but foster to the touch, and blacker; the fmell is agreeable, but ftrong, and the tafte is hot. The flowers proceed from the places where the leaves join to the stalks, and are disposed in rings round them; they are of a blueish or purple colour, though fometimes of a pale red; they are labiated, and the upper lip is cut into two fegments ; thefe are fucceeded by small feeds. It flowers in July and August, at which time it ought to be gathered for use. This plant is aperient, hyfteric, and good for the diforders of the ftomach and breaft. It is proper for inveterate coughs and rheums, and fome recommend it to cure hooping-coughs. It may be taken in the manner of tea.

PULMONARIA, Lungwort, or Sage of Jerufalem, has a white fibrous root, and angular, hairy stalks, which rife to a foot in height, which are of a purplish colour, refembling those of buglofs. Some of the leaves proceed from the root, and lye upon the ground, while others embrace the italks without pedicles; they are all oblong, broad, terminate in a point, have a nerve that runs through the whole length, and are covered with a foft down, and generally marbled with whitifh spots. The flowers grow in bunches, and each confift of tubes, that terminate in the shape of basons on the upper part ; they are cut into five fegments, and are of a purple or violet colour, with a calyx that is a dentated They are fucceeded by four roundifh feeds, contube. tained in the flower-cup like those of buglos. It grows in woods and groves, and in mountainous and shady places. It is also cultivated in gardens, and flowers in March and April.

PULMONARIA ANGUSTIFOLIA, Lungwort, or narrow-leav'd Sage, of Bethlehem, has a root like the former, which fends forth angular hairy stalks, to the height

height of a foot, and the leaves are oblong, narrowand hairy, like those of wild buglos, but softer, and not to rough; they have no pedicles, and they embrace their stalk by the middle. The flowers grow on the top of the stalks, and they are like the former, only they are of a fine purple colour, mixed with blue. It grows almost every where, in woods and shady mountainous places.

PULMONARIA GALLORUM, French Lunewort. has a long, thick, jointed, reddifh, fibrous root, full of a bitter milky juice, and the stalks rife to the height of a foot and a half; these are slender, hairy, and divided into feveral branches. The leaves proceed from the root. lye on the ground, and are finuated towards the pedicle. as well as greenifh and hairy above, as also downy and whitifh below; but generally marbled with long blackifh fpots. The flowers grow on the tops of the branches. and confift of yellow femi-floretts, placed in a fcaly cup ; they are fucceeded by oblong, imall, tufted feeds, of a blackish colour. It generally grows on old walts, and in uncultivated places; it flowers in June and July. and fometimes later. They have all three the fame virtues, and are accounted good in difeafes of the lungs.

PULSATILLA, Palque flower, has a long, thickifh, fingle root, which is divided into feveral heads, that are hairy on the upper part, and black. The leaves proceed from the root, and are jagged and hairy ; they are placed on long, reddifh, very hairy ribs, that lye near the ground. From between the leaves there proceeds a round hollow stalk, to the height of a foot, covered with a thick foft down, and is without leaves, except one a little below the top. The flower confifts of fix oblong, pointed petals, disposed in the form of a rofe, of a purple colour, hairy without, and fmooth within. The piftil is placed in the middle, furrounded with yellow stamina or chives ; this turns to a fruit. with a round head, that confifts of feveral feeds, that terminate in a tuft like a feather. It grows in ftony, dry, mountainous places, and flowers near Eafler.

Digitized by Google

called

ŝ

3

ź

1

•

3

. . . .

\$

2

2

ŗ

2

13

1

2

2

1

è

h b

10.14

'n

ż

à

. 1

è,

R

ł

ù

'n

called pafque by the *French*, from whence it has its name. It it cultivated in gardens, for the fake of the flower. It is faid to be a vulnerary plant, and the powder of the dried leaves and flowers, fnuffed up the nofe, provoke fneezing, but it leaves a burning heat behind it, that reaches as far as the brain; for this reafon it is accounted good in fleepy difeafes.

PYROLA, Winter-green, has a flexible, slender, fibrous, creeping, whitish root, which fends forth five or fix fibrous leaves, like those of the pear tree ; they are flefhy, thick, and of a deep brownish green, and they are fmooth, polifhed, have long pedicles lying on the ground, and continue green all the winter. The stalk rifes to the height of a foot among the leaves, and is angular, fingle, and fometimes furnished with small pointed leaves, the flowers grow on the top, and are beautiful, fcented, and are compoled of five petals, placed in the form of a role; they are white, and have ten shortish stamina, with a crooked piftil in the middle, like the trunk of an elephant ; this turns to an angular fruit or button, confifting of five furrowed cells, containing reddifth feeds, that are exceeding fmall. It grows wild in the north of England, on mostly moors, hills, and heaths; for which reafon it is difficult to cultivate them in the fouthern parts; it flowers in June and July. It is looked upon to be an aftringent vulnerary plant, and proper to flop internal bleedings; it may be taken in the manner of tea.

PYRUS, the Pear tree, has flowers that confift of feveral leaves, placed in a circle, which expand in the form of a role; the flower-cup becomes a flefhy fruit, univerfally known, that has a hollow like an navel on the upper part; the cells in which the feeds are lodged, are feparated by foft membranes. The tree is fo well known, that it needs no defcription, and therefore it will be fufficient to defcribe the feveral forts of fruit.

The little musk PEAR, commonly called the fupreme, is generally produced in large clusters, and it is rather round

round than long, with fhort ftalks; the fkin is yellow when ripe, and the juice is fomewhat mufty; it is an excellent pear, if gathered before it is too ripe. It ripens towards the middle of *July*, and will continue good but a few days.

The Chio PEAR, commonly called the little Baftard muscle pear, is fmaller than the former, but much of the fame fhape. The fkin when ripe, has a few ftreaks of red on the fide next the fun, but it feldom hangs in clufters.

The basing PEAR, commonly called the green Chiffel, is larger than either of the former, and is longer next the ftalk. The fkin is thin, and of a whitish green colour when ripe; the flesh melts in the mouth, and if not too ripe, has a fweetish tafte; it is fit to gather towards the end of July.

The red MUSCADELLE, is a large early pear, of great beauty, and the fkin is of a fine yellow colour when ripe, beautifully ftriped; the flefth has a rich tafte, if gathered before it is too ripe; but it is apt to be mealy. The tree generally produces two crops in a year, the first of which is commonly ripe towards the end of July, and the fecond in September, but is feldom well tafted.

The little MUSCAT, is a fmall pear, rather round than long, and the fkin is very thin, and of a yellowifh colour when ripe. The flefh melts in the mouth, and has a rich mufky flavour; but will not keep long when ripe, which is towards the latter end of July.

The JARGONELLE, is a very long pear, in the fhape of a pyramid, with a long pedicle or ftalk; the fkin is pretty thick, and of a rufty colour towards the fun; but the other fide is of a ruffet green; the flefh has a rich mufky flavour, and it ripens towards the end of *July*. This is one of the beft early fummer pears.

The Windfor PEAR, is of an oblong fhape, and terminates almost in a point next the stalk; the skin is smooth, and when ripe, of a yellowish green co-

lour,

I.V

Zü.

Ŀ.

ä.,

2 12

÷

2

1

е,

2

計社

ŝ

i,

3

3

1

Ę

1

à

ł

ł

1

lour, with a very foft flefh; but if it hangs two or three days after it is ripe, it grows mealy.

The JARGONELLE, now commonly called Cuiffe madam, is fomewhat like the Windfor Pear, but is longer towards the crown, and fmaller next the ftalk; the fkin is fmooth, and of a pale green colour, with a fleft that is apt to be mealy.

The orange mufk PEAR, is of a middle fize, of a fhort roundifh form, and a yellowifh fkin, fpotted with black. The flefh is mufky, but is apt to be a little dry and choaky; it is ripe in the beginning of *August*.

The little blanket PEAR, is much lefs than the former, and more pinched in near the ftalk, which is fhorter, but flenderer than that of the former. The fkin is foft, and of a pale green colour, with a tender flefh, full of a rich mufky juice; and it ripens in the beginning of August.

The long flathed blanket PEAR, is shaped fomewhat like the former, but the eye is larger, and more hollow at the crown; it is fomewhat plumper towards the stalk, and a little crooked, with a very smooth white skin; the flesh is full of a rich sweetish juice, and it is ripe about the middle of August.

The *fkinlefs* PEAR, or early *Ruffelet*, is middle-fized, long, and of a reddifh colour, with an extreamly thin fkin; the flefh melts in the mouth, and is full of a rich, fweet juice; it ripens in the beginning of *August*.

The musk robine PEAR, the queen's PEAR, or the amber PEAR, is finall and round, and of a yellowish colour when ripe; the flesh has a rich musky flavour, and it ripens in the beginning of August.

ŝ

The musk drone PEAR, is middle fized and round, and the skin is of a yellowish colour when ripe. The flesh melts in the mouth, and is full of a musky juice, but if it hangs too long on the tree, it grows mealy; it ripens in the beginning of August.

The red orange PEAR, is middle fized and round, and of a greenish colour, except on the fide next the fun.

fun, which is purple when ripe. The flesh melts in the mouth, and the juice is fweet, with a very hollow eye, and a short stalk ; it ripens about the middle of August.

The CASSOLETTE FRIOLET, is fo called, for being in the shape of a perfuming pan. It is a long fruit like a jargonelle, and of an ash-colour. The flesh melts in the mouth, and is full of a perfumed juice, but it is very apt to rot in the middle when ripe, which is about the middle of August.

The musk orange PEAR, is large and round, and fhaped like a bergamot. The fkin is green, and the flefh melts in the mouth, but it is very apt to rot on the tree, which renders it not near fo valuable as some others ; it ripens in the beginning of August.

The great onion PEAR, or the Summer Arch-duke, is of a middle fize and round, and of a brownish purple next the fun ; the flefh melts in the mouth, and is tolerably good; it ripens in the beginning of August.

The August MUSCAT, or the royal PEAR, is in shape much like a bergamot, and the stalk is long, strait, and a little spotted. The skin is smooth, and of a whitish yellow colour, with a rich, fweet, perfumed juice ; it is one of the best fummer pears yet known, and grows ripe in August.

The role PEAR, is short and round, and of a yellowish green colour, but a little inclining to red next the fun. The stalk is very long and stender, and the juice is musky; it grows ripe in August.

The PEAR of Pouchet, is large, round, and whitifh. with a foft, tender flesh, and a fweet juice ; it grows ripe towards the latter end of August.

The perfumed PEAR, is of a middle fize, and round, ¥, with a thick, rough fkin, of a deep red colour, fpotted Ł with brown, and a fiefh that melts in the mouth with i a perfumed flavour; it ripens about the middle of AuguA. h

The Summer BONCRETIEN, is a large oblong pear, with a fmooth thin fkin, which is of a beautiful red colour next the fun, but of a whitifh green on the 63

Digitized by Google

other

j:

ġ

13

2

e,

ź

ć

ż

Ŀ.

7

2

1 1

ł,

21

1

ń

ł

1 ų,

ì

ż,

ċ

it,

ię.

Ī

Ł

1

2

3

T

other fide. The field is very full of juice, and has a sich perfumed flavour; it ripens in the beginning of September.

The role-water PEAR, is large and round, with a thort ftalk, and hollowed like an apple, where it is fixed on the ftalk; the fkin is rough and brown, and the flefh very fweet; it grows ripe in the beginning of September.

The cheaky PEAR, has a red flefh, and is of no. yalue, for which reason it is not cultivated in gardens.

The Russelet PEAR, is large and oblong, with a brown fkin, which is of a dark red next the fun. The flefth is tender and foft, without much core, and the juice is agreeably perfumed, if gathered before it is ripe, which is in the beginning of September.

The prince's PEAR, is small, and roundifh, and of a bright red colour next the sun, but on the other fide it is yellowish; the flesh has a very high flavour, and grows ripe in the middle of September.

The great mouth-water PEAR, is large and round, with a fmooth green fkin, and a fhort thick ftalk; the flefh melts in the mouth, and is full of juice, if gathered before it is too ripe, which is about the middle of August.

đ

1.

R

¢

4

í.

d,

d

b

c!

1077

ź

ŝ

The *fummer Bergamot*, is a pretty large, round, flat pear, of a greenish yellow colour, and hollowed a little at both ends, like an apple; the flesh melts in the mouth, and it is ripe towards the latter end of *August*.

The autumnal Bergamot, is fmaller than the former, but of the fame fhape, with a yellowish green skin, reddish on the side next the sun; the flesh melts in the mouth, and it grows ripe towards the latter end of September.

The Swifs Bergamot, is fomewhat rounder than the former, with a tough greenish skin striped with red; the sheft is full of juice, and melts in the mouth, and it is ripe in the beginning of October.

The red butter PEAR, is fometimes of other colours, as green or grey, whence fome have fappoled them

騙 to be different fruits. It is large and long, and ge-RĽ nerally brown, with a melting flesh, full of rich 12 fweet juice, and it ripens in the beginning of OGober.

2, The dean's PEAR, is a large, handfome fruit, fomewhat like the former, but it is fhorter and rounder, and the skin is smooth and yellowish when ripe; the flesh is melting and full of juice, that will not keep a week after it is gathered ; it is ripe in the beginning of October.

The long green PEAR, is long, and very green when ripe, with a melting juicy flefh. It grows ripe in the middle of October, and in fome years will keep till December.

The white and grey Meffiere Jean, is one of the beft. autumnal pears, when grafted on a free flock. It is a large roundish fruit, with a tough skin, that is generally brown ; it is full of a rich fweet juice, and ripens about the beginning of October.

The flowered Mulcat, is an excellent pear, of a middle fize, and round, with a dark red fkin; the flesh is very tender, and of a delicate flavour, and it ripens towards the end of October.

The vine PEAR, is round, and of a middle fize, with a dark red fkin; the flefh is full of a clammy juice, and it grows ripe towards the end of October. but should be gathered before, otherwife it will foon rot.

The Rouffiline PEAR, has a fmooth skin, of a deep red colour next the fun, with grey fpots, but the other fide is of a greenish yellow; the flesh is tender and delicate, and the juice fweet; it is ripe towards the end of Odober, but must not be kept long.

The Knave's PEAR, is fomewhat like the caffolette, but larger, and has a fine tender flefh, with a fweet juice. It is ripe in the beginning of November.

The green jugar PEAR, is shaped like the winter thorn pear, but is smaller, with a thin green skin, and a buttery flesh, and a sweet juice.

The Marquife PEAR, is like the Blanket, when planted in a dry foil, but when it is rich and moift it

grows

đ

ĩ

н

2

ć

grows larger. It is flat at the top, with a finall hollow eye, and a fkin of a greenifh yellow, inclining to red on the fide next the fun. If it is yellow when ripe, the flefh is tender and delicate, and full of a fweet juice. It grows ripe at the beginning of November.

The burnt cat PEAR, is fmall and oblong, pale on the one fide, and of a dark brown on the other. The fkin is fmooth, and the flefth tender and dry; it is fit to be eaten the latter end of November.

The Befideri, is a middle fized round pear, of a pale green, inclining to yellow; the flefh is dry, but it bakes well, and is ripe the beginning of November.

The craffane, or flat butter PEAR, is of a middle fize, and hollowed at the crown like an apple. The ftalk is very long and crooked, and the fkin is rough, and of a greenifh colour when ripe, or rather ruffet. The flefth is tender and buttery, with a rich fweet juice. It is the very beft pear of the feason, and is fut to eat about the middle of November.

The Lanfac, or Dauphine PEAR, is about the fize of a bergamot, of a roundifh fhape, and flat towards the head; but it is a little longifh towards the ftalk; the fkin is fmooth, of a yellowifh-green, with a yellow, tender, fweet flefh; the eye is very large, and the ftalk long and ftrait; it grows ripe about the middle of November.

The Martin₂/ec, is like the ruffelet in fhape and colour. The fhape is oblong, and the fkin is of a deep ruffet on one fide, but on the other inclining to red. The flefth is fine and fweet, and it is fit to eat about the latter end of November.

The villaine of Anjou, or the tulip PEAR, is large and round, with a very long flender ftalk, and a pale yellow fkin. It is not very juicy, but it is fit to eat towards the latter end of November.

The *thick flaked* PEAR, is large and roundifh, with a yellow fkin, and a dry flefh, which is apt to be flony.

Digitized by Google

The

336

The Amadate PEAR, is of a middle fize, and fomewhat long, but flat at the top; the fkin is rough and ruffet, with a dry but high flavoured flefh. It is fit to eat in the beginning of December, and will keep good fix weeks.

The litte lard PEAR, or the ruffet of Anjou, is of a bright green colour, with a few fpots, and a large hollow eye. The field is extreamly fine, with a fweet juice, and is fit to eat in December, and is one of the best fruits in that seafon.

The Louise bonne, has a fhort fleshy stalk, and a finall eye and flower, and a very smooth skin; the colour is green, inclining to white, and the stell is extreamly tender, and full of a sweet juice. It is fit to eat in December.

The colmar PEAR, or manna PEAR, or late bergamot, is like a boncretien in fhape, but the head is flat, with a large hollow eye. The middle is larger than the head, and is floped towards the ftalk, the fkin is green, with a few yellowish fpots, and the flefth is very tender, with a fweet juice. It is fit to eat in the beginning of December, and will generally keep good till the middle of January.

The E₁cbafferie, or the winter long green PEAR, is fhaped like a citron, with a fmooth green fkin, that becomes yellowifh when ripe. The eye is fmall, and the flefh melting and buttery, with a fweet juice. It is fit to eat in the beginning of December.

The Virgúle, is large, long, and of a green colour, inclining to yellow, with a middle fized eye, and a fmooth skin, a little coloured next the sun. The sheft is full of a rich juice, and is fit to eat in the beginning of December.

The Poire d'Ambrette, is a pear like the eschafferies in shape, and is of a russet colour, with a larger and more hollow eye; the sheft is full of a rich, sweet, perfumed juice, and the seeds are large and black. The tree is very thorny, and the fruit is fit to eat in the beginning of December.

The winter thorn PEAR, is very large, in the fhape of a pyramid with a fmooth fkin, of a pale green co-

lour,

32

č,

100 24

ł

5

ζ

ŝ

ì

ļ

1

1

-

2

ŝ

1

1

2

lour, inclining to yellow when ripe, the flefh is melting and buttery, and the juice very fweet. It is ripe in the beginning of *December*, and will continue good two months.

The St. Germain PEAR, is large and long, and of a yellowifh green when ripe; the flefh is foft, and full of juice, which is very fweet in a dry feafon. It is fit to eat in the beginning of December.

The St. Aufin PEAR, is like the Virgule, but fomewhat fhorter and flenderer near the ftalk; the fkin is of a fine citron colour, fpotted with red next the fun, with a tender flefh, pretty full of juice, that is often a little tart. It is fit to eat in December, and will continue good two months.

The Spanifb Bon-chretien PEAR, is in the fhape of z pyramid, and is of a fine red or purple colour next the fun, with fmall black fpots, but the other fide is of a pale yellow; the flefh, when the tree is planted on a light rich foil, is very fweet. It ripens in the middle of *December*, and continues good a month; the fruit is very good for baking.

Parkinfon's Warden, or the black Pear of Worcefter, commonly weighs a pound or upwards, and has a rough, dark, red fkin next the fun. It is only fit for baking or flewing, and is in feason from November to Christmas.

The *fmall winter butter* PEAR, has a fmall oblong fhape, and a yellow colour, fpotted with red. The flefh has a very rich juice, and it is fit to eat in *December* and *January*.

The *Rorville* PEAR, is about the fize and fhape of a large ruffelet, and the middle is fwelled more on one fide than the other; the fkin is foft and fmooth, and of a lively red colour next the fun, but yellow on the other; the flefth is full of a very fweet juice, that is a little perfumed.

The winter citron PEAR, or the Mufk-orange, is a pretty large pear, and is in fhape and colour very like an orange; the flefh is hard and dry, and apt to be ftony, but it bakes very well, and is in feason from December to March.

Digitized by Google

VOL. VI.

The

338

The winter russelet PEAR, is of a greenish yellow colour, inclining to brown, with a buttery melting flesh, which is generally very full of a very sweet juice; but it mult always be pared, because the skin has a bad taste. It is fit to eat in January and February.

The Gate PEAR, is much efteemed in France, but of no great value here, it being generally dry, ftony, and hard, unlefs in extraordinary feafons, and upon very good foil; the time of its being in use, is from January to March, and it bakes well.

The Franc-real, is a very large pear, and almost round, with a yellow skin spotted with red; the flesh of this pear is dry, and very apt to be stony, but it bakes exceeding well, and continues good from January to March.

The Bergamot Bugi, is a large pear, and almost round, but it is a little longish towards the stalk; the eye is stat, and the skin green, and there are many rough protuberances thereon; but as it ripens it becomes yellowish, and in a good season the steff is sweet; it is good to eat from February to April.

The German Mu/cat, is longer than round, and of the fhape of the winter royal; but is lefs towards the eye, and more ruffet, as well as of a red colour next the fun. It is buttery and melting, and continues good in March and April.

The Dutch Bergamot, is large and round, and of the fhape of the common bergamot; the colour is greenifh, the flefh pretty tender, and the jurce of a high flavour. It continues good till April.

The Naples PEAR, is pretty large, long, and greenish, with a fweet, and fomewhat vinous juice; it is called in England the Easter St. Germain, and will keep till April.

The Winter bon Cretien PEAR, is in the fhape of a pyramid, and has a yellowifh fkin only on the fide next the fun; it is of a foft red; the flefh is tender, and is very full of a rich fweet juice. It is very much in efteem in France, but in England is feldom good.

The Catillac, is a large pear, fhaped fomewhat like a quince, with a yellow fkin, except on the fide next the

ģ

ï,

ċ

2

2

1.11

the fun, which is red. The flefh is hard, and the juice auftere, but it is very good fruit for baking, and continues good from *Chriftmas* to *April*.

The *Paflor:lle*, is of the fhape and fize of a fine ruffelet; but the fkin is fomewhat rough, yellowifh, and fpotted with red; when it grows on a dry foil, the flefth is tender, and the juice iweet; it is in use from *February* till March.

The double-flowering PEAR, is fo called, becaufe the flowers have a double row of petals or leaves. It is a large flort pear, with a fmooth, yellow fkin, except on the fide next the fun, which is of a fine red, or purple; it is an exceeding good pear for baking, and is good from *February* till May.

The St. Martial PEAR, is oblong, and fhaped like a bon cretien, but is not fo large, and is a little flatter at the crown; the fkin is fmooth and yellowifh, but next the fun purplifh; the flefh is tender, with a fweet juice, and the time of eating it is in February and March.

The *Wilding* of *Chamontelle*, is fhaped like an autumnal Beurre, but is flatter at the crown; the fkin is of pale green, and a little rough, but purplifh next the fun; the flefh is tender, with a very rich juice, and is good from *November* to *January*.

The Carmelite PEAR, is of a middle fize, and roundifh, with a green fkin on one fide, and inclining to red on the other; there are also broad fpots, of a dark colour all over; the flefh is hard and dry, and it is in feason till March.

The Union PEAR, is very large and long, and of a deep green colour, but fometimes changes to red next the fun. It bakes very well, and is in feafon from Cbriffmas till April.

There are other forts of pears that are fill to be feen in fome old gardens, but are of no great efteem ; those that plant pears for use, ought always to choose them of the best forts, because the trouble and expence is the fame. They are propagated by budding or grafting them upon flocks of their own kind, which are commonly called free flocks ; but quince flocks are greatly used in Q z the the nurferies, for all forts of pears that are defigned for dwarfs or walls.

As to wild pears, they are always fo affringent and rough, that they are not fit to be eaten, though they may ferve well enough to make perry. In general pears are windy, and improper for weak ftomachs; fome think they are enemies to the nervous parts; however those are best that are quite ripe, and have a fweet juice, and then they are feldom noxious, unlefs eaten to excefs.

ì

OUERCUS VULGARIS, the common oak tree, is well known in all parts of Europe, as also its wood, for its long duration, and various uses. The flowers are long catkins, which confift of a great number of fmall flender threads; but the embryoes are produced at fome distance from these, and afterwards become acorns. with hard fcaly cups. It grows in woods, forefts, and high mountainous places; the leaves appear before the flower, and the catkins may be feen in April and May, but the acorns are not ripe till August. It is commonly faid, that an oak tree is an hundred years coming to its full growth, an hundred years in perfection, and an hundred years in decaying. Some affirm the wood will continue good fix hundred years in the open air, and five hundred under ground. Oak bark is of very great use for tanning of leather, and upon these accounts the oak is called by some the king of trees, The Englift oak is best for building of ships; but now there are great numbers constructed in New-England, of the oak wood that grows in those parts, though they are not fo latting.

The leaves of the oak are flyptick, and a little bitterifh, and all parts of it are aftringent. They have often been preferibed for all forts of hæmorrhages and fluxes of the belly, and fone pretend that a decoction of the bark has cured a moft terrible bloody-flux. In times of fcarcity, a great many poor people have made bread of the acoms, and the poets tell us they were the food of the golden age; however they are heavy, windy, and hard of digettion, and therefore mankind mankind in those early ages, must doubtles have a better digeftion than us. They are now given to hogs, for which they are excellent nourifhment, and render the flesh fat, firm, and sweet; for which reason that bacon is in most efteem, that comes from places where there are plenty of acorns.

There are a great number of trees that go under the name of oaks, in divers parts of the world, but there are no where fo many different kinds, as in *America*, but the wood is not nigh fo valuable as the *Englifb* oak, which has been hinted at above.

QUINQUE FOLIUM, Cinque foil, has a long fibrous root, blackish without, and reddish within, which fends forth feveral stalks to the height of a foot and a half, which are round, flexible, hairy, reddifh, and knotted : from these knots the leaves and roots proceed, and by their means this plant multiplies greatly. The leaves are oblong, roundifh at the ends, nervous, hairy, dentated on the edges, of a dark green, and placed like an open hand, to the number of five upon the fame pedicle, which is three inches and upwards in length. The flowers grow fingle on the top of the stalks, and confist of five yellow petals, in the form of a role, and are fomewhat in the shape of a heart ; there are five stamina, with their apices in the form of a half-moon, and the piftil becomes a round fruit, composed of many pointed seeds, placed in the form of a head, and contained in the cup of the flower. It grows in fields, and in fandy ftony places, as well as in meadows on the fides of waters ; it flowers in May and June, and the root is chiefly inuse. It is accounted balfamic, vulnerary, and astringent, and has been given in all forts of hamorrhages, as well as in all kinds of fluxes of the belly; fome affirm it fucceeds better than ipecacuanha; for which purpose an ounce of the root has been boiled in three pints of water to two; this decoction is also recommended in fpitting of blood. It is confidently faid, that a dram of this root, given in a glass of water, before a fit of an ague, will certainly cure it.

Q 3

RA-

ý

i

RANUNCULUS BULBOSUS, Bulbous Crow-foot, has a round bulbous root, with feveral upright stalks, that fometimes rife to the height of a foot, which are hairy, and have leaves that are cut into feveral flender jags, and on the top there are flowers of a fine yel-low fining colour; they are generally fingle, and confift of five roundifh petals, disposed in the form of a rofe. The leaves of the calyx being bent back sowards the pedicle. The fruit that fucceeds the flower, contains many roundifh feeds, placed together in the form of a head. It flowers in May, and is to be met with almost every where in pasture grounds and meadows. When it is transplanted into gardens the flower becomes double. The root of crow-foot is extreamly acrid and cauftic, and fome authors recommend it to raife blifters ; but this practice is dangerous, because it may cause a gangreen. There are quacks that apply it to the part afflicted with the gout, and on corns, to take them away; but we have much fafer remedies. In some places it is common for beggars to make fores with this root, to raife compaffion. The bruifed leaves were once applied to the head of a patient, who had kept his bed for three years, on account of a violent head ach, and they raifed a blifter, which ran freely, and he was foon cured.

RANUNCULUS NEMOROSUS, Wood Ancmone, has a long creeping root, purplifh or brown without, and yellowifh within, when young. The falk is fmall, flender, reddifh, and rifes to the height of a palm and a half, on the top of which there are three leaves, or reddifh pedicles, each of which are cut down to the pedicle into three jags, and on the top there is a fingle flower without a calyx, fometimes white, and fometimes purplifh or flefh-coloured; it confifts of fix oblong leaves, in the middle of which there are feveral yellowifh framina. Thefe are fucceeded by naked, oblong, hairy feeds, collected into a head. It flowers towards the beginning of March, to the end of April. Some recommend a cataplafm of the the leaves and flowers for fcald heads, and affirm it will cure them in a few days, if it be renewed twice a day; but others think it unfafe, from the bad effects they have feen from fuch applications.

RANUNCULUS PRATENSIS REPENS, Crowfoot, has a small creeping root, composed of whitish fibres, and many flender, round, hairy, hollow, creeping stalks, that lye upon the ground. The leaves are cut into three fegments, fomewhat like parfley, and are dentated on the edges, and hairy on both fides ; they are of a blackish green, and generally marked with fine fpots on the upper part. The flowers are of a fhining yellow, and composed of five petals, disposed in the form of a role, with a great number of stamina in the middle, and a flower-cup, confifting of five leaves, that falls off with the flower, which are fucceeded by black feeds, placed together in the form of a head, and full of fmall points or prickles. It flowers in May, and grows almost every where in meadows and fliady places. This may be taken inwardly without danger, and the cattle that feed on it yield a great deal of milk. Some use it in a fomentation against the piles.

RANUNCULUS PALUSTRIS, round leaved evater Grow-foot, has a thick, hollow root, furnished with shany fibres; and there are feveral thick, hollowed, furrowed branched stalks. The leaves are greenish and shining, and are fometimes marked with small white spots. The showers grow on the tops of the stalks and branches, and confiss of five yellow petals; they are fucceeded by smooth small feeds, collected into oblong heads; it flowers in May and June, and is found on the fides of brooks and standing waters, as well as in most marshy grounds. It is a dangerous poison taken inwardly, though fome apply it outwardly, to resolve fcorphulous tumours.

RAPA, the Turnep plant, has a tuberofe, flefhy, bellied, round, thick root, that grows fometimes to the fize of a child's head, and is univerfally known. The leaves are oblong, large, lye upon the ground, O A and

and are cut deeply into jags. They are rough to the touch, are of a greenish brown colour, and of the taste of a pot-herb. The stark rises from among the leaves, to the height of two feet, and fometimes to that of a man. The leaves embrace the stark with their broad base, and terminate in a point. The flowers grow on the top of the stark, are yellow, and consist of four leaves, disposed in the form of a cross, with a calyx fixed on a long stender pedicle. The pistil is fucceeded by a pod, divided into two cells, by a partition, which contain two rows of roundish, reddish feeds. It showers in the spring and fummer.

RAPA OBLONGA, five FOEMINA, oblong, or female Turnep, differs from the former in having an oblong root that is not fo thick. Befides thefe, there are the garden turnep, with a green root above ground; the round garden turnep with a purple root; the round garden turnep with a rufty black root, and the round garden turnep with a yellow root both within and without; they all delight in a light fandy foil, for in a rich foil they will grow rank and flicky. The common feafon for fowing them, is from the middle of June to the latter end of August, and in fome places they fow them much later.

The use of turneps as an aliment, is well known, and they are accounted an emollient, and proper to abate the acrimony of the humours; but they are windy, cause obstructions, and do not digest very cassly. We have an instance of a lawyer that had a cough, which proceeded from too free a use of the juice of lemons, and after he had tried many medicines without success, he was cured with the decoction of turneps. They are accounted a great pectoral, and many have been faid to be cured of an afthma by their juice, that is, by taking a large spoonful in a morning fashing, for forty days together.

RAPHANUS MINOR, the garden Radifb, has a long flefhy root, red or purple without, and white within. The leaves are large, rough, green, deeply

çut,

2

3

15

3

2

2

1

-

1

. .

12. 10

10.00

Ì

3

and the second sec

1

1

ì

ì

ł

cut. and much like those of turneps. A stalk arises from among these, to the height of a foot and a half, or two feet, that is round, branched, and is adorned with flowers, confifting of four petals, in the form of a crofs; the piftil arifes from the flower-cup, which turns into a pod of the shape of a horn, that is spungy. within, and contains two rows of roundifh feeds that are feparated by a thin membrane. It is cultivated in gardens, and the root is chiefly in use in the spring, which is tender, full of juice, and eaten as food. agrees very well with most constitutions, provided they have good flomachs, for it is apt to rife therein. The juice is good in the gravel, if four ounces be taken of it for four days, in a morning fasting.

RAPHANUS RUSTICANUS, Horfe Radifb, has a long, thick, creeping, white root, that fends forth large long pointed leaves, of a fine green colour, fomewhat like monk's rhubarb. From among thefe there arifes a stalk, to the height of a foot and a half, which is upright, hollow, furrowed, and furnished with leaves, a palm in length, and an inch in breadth, and cut deeply on both fides. On the top there are fmall flowers, composed of four white petals, in the form of a crofs, which are fucceeded by fmall roundifh pods, divided into two cells, that contain fmooth, roundifh, reddifh feeds. It flowers in the fpring, and grows wild on the fides of brooks and rivers, but is cultivated in gardens. It is used as mustard, to promote the digestion of aliments, and to create an appetite. The diffilled water is given to four ounces against the scurvy and gravel, and to cleanse the blood. The expressed juice of the roots and feeds mixed with honey, and taken in a morning fasting, for some time, in whey, cleanfes the flomach, kidneys, and lungs; it cures coughs, and inveterate hoarfeneffes, provided they are not dry, or attended with spitting of blood. It is faid to be excellent against the fcurvy, dropfy, and rheumatism, if continued for some time. The dofe of the root in powder, is from one fcruple to two; of the fresh root in decoction, from half an ounce

345

ounce to an ounce ; and of the juice a fpoonful. It is hard to fay what a fcruple of the root will do, fince it is often eaten at meals in much larger quantities, therefore this frems to be a trifling dofe.

į.

1

D

Ŗ

1

 \dot{a}

'n

2

z

č

Ľ,

đ

1.1

1

1

ĩ

RAPUNCULUS ESCULENTUS, Rampions, has a long root, as thick as one's finger, which is white, and good to eat. The stalks rife to the height of two feet, and are slender, angular, furrowed, hairy, and furnished with narrow pointed leaves without pedicles ; they adhere to the stalk by a pretty large bafe, and are flightly dentated on the edges, and are full of a milky juice. The flowers grow on the top of the stalk and branches, and confist of a single leaf, of a purple colour, and fomewhat in the form of a bell, cut at the edges into five parts, and have alfo a calyx, divided into five fegments. The piftil is commonly fplit into two horned divisions, and the flowercup turns to a fruit, divided into three cells, containing reddifh feeds. It flowers in June, and grows wild on the fides of ditches, and in the fields among corn. It is alfo cultivated in gardens, and is used by fome as a fallad in Lent. The root is a kind of fmall turnep, of an agreeable tafte before the flalk is much grown. If the root be cut in flices, and planted in the ground, they will each yield a fresh plant.

ŔAPUNCULUS SPICATUS, fpiked Rampions, has a root like the former, and it fends forth leaves like those of the March violet, which are fometimes spotted with black, and they have long pedicles. The stalk rifes from among the leaves, to the height of a foot and a half, which is angular, light, milky, and furnished with oblong leaves; the flowers grow in a spike at the top, and are either blue, purple, or white, confisting of a single petal, cut into five fegments, in the form of a star, and have as many oblong stamina, with apices. They are fucceeded by small roundish fruit, divided into three cells, containing stall, reddish, shining feeds. It flowers in June, and is eaten as the former; it grows on mountains, cold meadows, and shady valleys. They are both faid to strengthen the

the flomach, to help digeflion, and to be good against the gravel. There are many other forts of rampions, brought from distant countries, and propagated in the gardens of the curious.

RESEDA VULGARIS, common baftard Rocket, has a long, flender, woody, white root, which fends forth feveral stalks, to the height of a foot and a half, that are furrowed, hollow, hairy, branched, weak, crooked, and furnished with leaves, placed alternately ; these are deeply cut, are curled, and of a dark green colour, with the tafte of a pot herb. The flowers are in loofe fpikes, and are each composed of yellow irregular petals, in the middle of which there are feveral fmall stamina, with yellow apices, and a pistil that turns to a four-cornered fruit, an inch in length, and like cylindric urns, full of fmall, roundifh, black feeds. It flowers in June, July, and August, and is common in the fields. There are feveral kinds of this plant, that are propagated in the gardens of curious botanists. It is faid to be emollient and refolvent, and is applied externally by fome, to difcufs inflamatory swellings, as well as to eafe the pain.

RHAMNUS CATHARTICUS, purging Buck thorn, is a fhrub with a long, hard, woody root, and it fometimes grows to the height of a tree, with a bark like that of the cherry tree, and a yellowish wood ;. the branches are armed with thorns, like those of the wild pear tree. The leaves are roundifh, of a blackifh green, flightly dentated on the edges, and pretty much like those of the plumb tree. The flowers are fmall, of a greenith or yellowith colour, and grow in bunches along the branches, and confift of fingle petals, in the fhape of a funnel, divided at the top into four parts, and have as many ftamina. There are fucceeded by foft berries, green at first, and black when they are ripe; they are as large as juniper berries, are shining, and full of a greenish-black juice, with four feeds, roundish on the back, and almost like the pippens of pears. This fhrub is common in hedges, and it flowers in May, and the berries are ripe

à

ź

e

đ

í

1

ż

1

im-

ripe towards October. There is a colour made of the juice of these berries, called fap-green, which is made by prefling it out when ripe, and then evaporating it to a confistence over a gentle fire ; there is added a little roach-allum, diffolved in water, to give it a higher and more beautiful colour. It must be continued over the fire till it comes to the confistence of honey, and then it must be put in bladders, and hung up in the chimney, or any other hot place, till it becomes hard. When these berries are gathered in harvest time, and steeped in allum water, they will yield a yellow or faffron-coloured juice; if they are oathered in autumn, when they are ripe, and kept in a glass vessel, they will yield a good green; but if they are left on the tree fill towards St. Martin's day, they will yield a fcarlet, that is very useful to dye leather, and to colour cards with red. It is well known. that the berries are a purge, which are faid to be good in the dropfy, palfy, rheumatifm, and gout. A dram, or a dram and a half, of the ripe berries, dried and powdered, is a dofe. They generally occafion gripes, fickness, a dryness of the mouth and throat, and thirft. About twenty of the fresh berries is a dole in fubflance, and twice or thrice this number in decoction, or an ounce of the expressed juice. fyrup made of the juice is kept in the shops.

RHUS FOLIO ULMI ; common Sumach, has a long. creeping, woody root, and is a fhrub that grows to the height of a man, and fometimes to that of a tree : the leaves are oblong, pointed, hairy, winged, reddifh, dentated on the edges, and pretty like those of the fervice tree. The flowers grow in bunches among the leaves of the branches, at the top, and are of a whitish yellow colour; they are composed of five leaves, difposed in the form of a role, and fustained by a calyx. and divided into five parts. The piftil turns to a flat, oval, membranous, greenish capsula, that contains a fingle feed, almost of the shape of a kidney. It grows plentifully in the fouthern parts of Europe, as also in Jurky, where the branches are used for tanning of leather. This is not fo common in England, as those brought from America, which are the Virginian Sumach.

OF VEGETABLES.

1

improperly called the Stag's born tree; New England Sumach, with loofe herbaceous panicles, and fmooth branches, the Canada Sumach, with a longer leaf, fmooth on each fide, and the dwarf Virginian Sumach with narrow leaves. The first of thefe is very common in gardens, and produces bunches of fmall flowers in June, at the extremities of the branches, which are fucceeded by feed included in red covers. Thefe are fometimes ufed in dying, and the branches are employed in America, for tanning of leather. They may be all propagated by feeds, which should be fown foon after they are ripe, and the plants will come up the following fpring. The leaves and fruit have been fometimes ufed in decoctions, for fluxes of the belly, and againft internal hæmorrhages.

RIBES VULGARIS, the red Currant bufk, rifes to the height of two or three cubits, and has a bay or ash coloured bark. The leaves are like those of the vine, but much lefs, and are fmooth, of a dark green above, but covered wirh a foft down beneath. The flowers grow in bunches, and are composed of five purple petals, placed in the form of a role, and are fomewhat in the shape of a heart. The calyx is in the form of a bason, divided into five fegments, and the hinder part turns to a berry, green at first, and afterwards red, which is universally known. Befides this, there are other forts, as the Dutch red Currant, the common white Currant, the large Dutch white Currant, the Champaign Currant, the Goofeberry leaved Currant, the fmall wild Currant, the black Currant, the yellow Ariped leaved Currant, the common Currant, with leaves, beautifully wariegated with green and white ; the white Currant with firiped leaves; the firiped goofeberry-leaved Currant ; the black Currant with striped leaves ; and the American black Currant. The manner of the flowering of this laft, is very different from the other forts ; but the fruit is not much valued. They may be all propagated by cuttings, from September to March, but the autumn is best, and they will thrive almost in any foil or fituation. Red currants and their preparations,

349

916

are generally accounted good to abate internal heats, and to reftrain the efferve/cence of the blood; and as they are fomewhat aftringent, they ftrengthen the ftomach, excite an appetite, and are good againft vomitting. Currants eaten too freely, will caufe loofeneffes, attended with gripes, and are hurtful to the lungs.

The leaves of black CURRANTS, have been accounted by fome a fort of a panacea, and in fome parts of France, after they have been bruiled in wine, and the juice prefied out, it has been given to half a pint, twice a day, for eight days together, to those that have been. bitten by a mad dog, that is in the morning fafting, and. three or four hours after dinner. Others fay, that four ounces of the juice of the leaves, or rather the infufion in wine, for twenty-four hours, given to four ouncesin a morning failing, will cure the dropfy. In the phiholophical transactions, it is faid that the gelly of black currants swallowed down leifurely in small quantities, is a specific against the quinfey; and in winter, when the gelly cannot be had, a decoction of the leaves and bark. in milk, used as a garghe, is faid to cure all inflammatory diffempers of the throat.

ROSA PALLIDA, five INCARNATA, the pale Roje, has a long, hard, woody root, that fends forth feveral stalks, which form a shrub, that divides into firm long. branches, covered with a dark greenish bark, and sometimes furnished with ftrong prickles ; the leaves grow by pairs, and are generally feven in number, on one rib, which is terminated by a fingle leaf; these are. roundifh, dentated on the edges, and rough to the touch. The flower is fometimes fingle, and composed of five large petals or leaves, with feveral yellow apices in the middle. It is fometimes double, and then the external petals are a little larger than the internal, and of an agreeable red or carnation colour, with a very fweet, though weak fmell. When the flower is falling off, the calyx turns to an oval fruit, in the fliape of a. fmall olive, with a rind that is a little flefhy, and con-, fifts only cf a fingle cell, full of angular, hairy, whitifh feeds. It flowers in May and June, and is cultivated in gardens. The diffilled water from these roles, is accounted .

accounted good against inflammations of the eyes; and fome fay when it is given inwardly, from one ounce to fix, it will stop loosenesses and spitting of blood; but thefyrup of pale roles is solutive, and is given from an ounce and a half to two ounces. There are fome who cannot bear the smell of these roles, but instances of this are very uncommon.

ROSA DAMASCENA PALLIDA, the dama /k Ro/e, has a root like the former, from whence arife stalks. or ftems, to the height of ten or twelve feet, which. are thick, firait, and armed with reddifh ftrong thorns. that are not fo flat as those of the former ; the leaves. are also fet at greater distances, are less wrinkled, more pointed, and are green above, and whitish below; they are dentated on the edges, and are fometimes feven, and fometimes nine on the fame rib, placed by pairs opposite to each other, and terminating in a fingle leaf; and it has crooked thorns on the bale. Some of these role bushes have flowers, confifting only of five petals, that have a very fweet fmell, and it is cultivated in gardens, and flowers in autumn. That with double flowers, is not of a diftinct kind, but only a variation of the former. The flowers - are folutive, or rather purging, for two pugils infufed in veal broth, and taken in a morning, will purge very well. In hot countries they purge fo much, that phyficians will not fuffer none but those of strong conftitutions to take them.

ROSA ALBA, the white Role, has a root like the former, which fends forth ftalks to the height of eight or ten feet, which are thick, woody, and armed with crooked prickles. There are fometimes five, and fometimes feven, oblong, fmooth, crenated leaves on one rib, that are fometimes prickly at the bafe. The flowers grow at-the extremity of the branches, which are large, beautiful, and have a fweet fmell. It is cultivated in gardens, and generally flowers in May and June. All authors agree, that they are aftringent, againft inflammations of the eyes.

ROSA

ROSA RUBRA, the red Rofe, has a creeping, ftrong, woody root, with feveral ftems, that are lower than those of the former, covered with a green bark, armed with prickles. The flowers are of a beautiful red colour, with a fweet agreeable fwell; it is cultivated in gardens, where it flowers in *June* and *July*. These are reckoned aftringent, cleanfing, and proper to ftrengthen the ftomach, to ftop vomitting, fluxes, and hæmorrhages. The dose of the conferve, is from two drams to half an ounce, and is given againft coughs, and in confumptions, and there are feveral instances of its efficacy.

 $\frac{2}{4}$

e

3

1

ì

20 00

i

ROSA SYLVESTRIS VULGARIS, the Dog-Role. has a long, creeping, hard, woody root, that fends forth long thick branches, armed with ftrong thorns or prickles; the leaves are large, oblong, fmooth, and like those of the common role. The flowers confift of five white petals, with a mixture of red or carnation, and they fall off with the least blaft of wind ; they are fucceeded by oval oblong fruit, which are green at the beginning, and as red as coral when they are ripe. The rind is flefhy, and hath a fweetish. tart tafte ; the feeds are angular, white, hard, and wrapped up in ftrong hair, that readily feparates from. them. It grows every where near or in hedges without cultivation. The fruit are called hips, and there. is a conferve made of them kept in the shops. These flowers are purgative, like those of other roses, but the conferve is recommended in fluxes of the belly, to moderate the heat of the bile, and to abate the sharpness of urine; the dose is from two drams to half an ounce.

ROSMARINUS HORTENSIS ANGUSTIORE FOLIO, narrow leaved garden Rojemary, has a flender, fmall, fibrous root, that fends forth a ftalk that becomes a fhrub, which in fome countries rifes to the height of three or four feet; the leaves are whole, narrow, hard, fliff, of a brownifh green above, and white below. The flower confifts of a fingle petal, of a pale blue colour, that is labiated, and whofe upper upper lip or creft, is cut into two parts, and is turned backwards, with crooked stamina or chives; but the under lip or beard, is divided into three parts, the middlemost of which is hollow like a spoon; the flower cup is dentated, being divided into three cells, from which arifes the piftil, attended with four embryces, that turn to as many roundifh feeds, inclosed in the flower-cup. It is cultivated in gardens, and flowers in April, May, and June ; but it grows wild in many hot countries, such as Spain, Italy, and the fouth parts of France. However they are hardy enough to bear a moderate winter in these parts in the open air, provided they are planted on a poor, dry, gravelly foil. Befides this, there is the broad leaved garden Rojemary; the gold striped Rojemary; the narrow leaved filver firiped Rojemary ; the Rojemary of Almeria, with a large spiked purplish flower, and the broad leaved Rosemary with an elegant striped leaf. They may be all propagated by planting flips or cuttings at the beginning of the year, upon a bed of light fresh earth, and they should be transplanted in the beginning of September, to the places where they are defigned to grow.

The flowers and the leaves are made use of in medicine, and they are used both internally and externally. They firengthen the brain, are good against the palfy and epilepfy, as well as obstructions of the viscera, they restore the tone of the folids, and incide and attenuate groß humour. The water wherein the flowers and leaves are steeped for a night, is good for the whites, and jaundice, and it ftrengthens the memory and fight. Hungary-water is made from the flowers, cups, and young leaves of this plant, after they have been digested in spirits of wine, and the fpirit is to be diffilled off; the dofe of this is a fmall spoonful, in a glass of water. The conferve of the flowers is cordial, stomachic, and cephalic, and the dose is from a dram to half an ounce. Boerbaave looks upon the effential oil, to be the best remedy against the epilepsy, and a few drops of it are to be given

given in wine; the usual dole of this is five or fix drops.

ROS SOLIS, Sun dew, has a fibrous, flender, hairy root, that fends forth feveral long, fmall, hairy branches, on which there are fmall roundifh leaves that are hollow like an ear-picker, and of a pale green ; and the stalks are adorned with a reddifh, hairy fringe, and are hollow, from whence transudes drops of a fluid into the hollow of the leaves, infomuch that their hair is always moift, as it were with dew, in the drieft featons. From among the leaves there arife two or three stalks, to the height of fix inches, that are flender, round, reddifh, tender, without leaves, and on whole top are fmall whitish flowers, with feveral petals placed in the form of a role. The flower-cup is in the shape of a dentated horn, and the flowers themfelves hang on one fide. They are fucceeded by small fruit, of the fize of a grain of wheat, which contains feveral feeds. It grows in defarts, wild, fandy, moift, marsiny places, and moff commonly among water mofs of a whitifh-red colour. and it flowers in June and July. This plant is faid to be pectoral, and good against all diforders of the lungs; the dose is a dram in powder, and two dramsin infusion. Boerhaave recommends this last in the vertigo, the epilepfy, and diforders of the eyes.

RUBEOLA, five RUBIA SYNANCHICA, Quinfeywort, or petty Madder, has a long, thick, woody, branched root, furnished with many slender fibres; but the stalks are slender, fix inches in length, and generally lye upon the ground; they are smooth, square, and the leaves proceed by fours from the knots, that are short, narrow, and shining. The flowers grow on the tops of the stalks and branches, which are small, in the shape of a funnel, cut into four parts, of a reddish colour, though sometimes white. These are succeeded by feeds, two of which are joined together, and are oblong, rough, yellowish when ripe, and full of a whitish pulp. It grows on fandy, barren, mountainous places, especially on chalk

hills.

į.

ŧ

1;

1

惊

b

i٢

11.11

V,

.2

14

1

ł,

ł

2

į

3

3

11 11

1000

۰.

1

10

1

A. 10 114

ķ

hills. It flowers from May to October. It is faid to be excellent in the quinfey, either used as a gargle, or applied outwardly; but it is out of use at prefent.

RUBIA TINCTORUM SATIVA, cultivated dyer's Madder, has a long, creeping, fucculent root, divided into feveral branches, and of the thickness of a goosequill. It is woody and red both without and within. It fends forth long branches, that are square, geniculated, or knotty, and rough ; and from each knot there proceeds five or fix oblong leaves, that furround the stalk in the form of a star; they are hairy, and crenated all round, with fmall furrows. The flowers grow on the tops of the branches, and confift of a fingle leaf, which is cut into four or five fegments, expanded at the top; the flower-cup becomes a fruit, composed of two juicy berries closely joined together, which are black when ripe, and full of juice; each contains a feed, which is generally hollowed like an navel, and is almost round. It flowers in July and August, and is cultivated in many parts of Europe, but not fo much here as formerly; which is a great pity, for there are no lefs than thirty thousand pounds expended annually in this commodity. It is made ufe of for dying; and that which is brought from Zealand is accounted the best. The root is taken out of the earth in May and June, and they dry it for transportation. The root is one of the five leffer opening roots, and is faid to refolve gross humours, and to be useful in obstructions of the viscera. Some affirm it refolves coagulated blood, which perhaps may be owing to its giving a red colour to the urine. Boerhaave affirms, it is good against the gravel, and cleanses the kidneys and bladder from mucous matter. The dofe of the root in powder is a dram, or two, and in decoction from half an ounce to an ounce. It has one very uncommon property, that is, it will turn the bones of those animals red, that have fed upon it for fome time.

RUBUS VULGARIS FRUCTU NIGRO, the common Bramble or Blackberry bufb, has a flender creep-

355

ing, knotty root, that fends forth feveral long, weak, bending, greenish, red, angular, pithy branches, that are armed with firong crooked prickles, which lay hold of the garments of those that pass by. The leaves are oblong, pointed, dentated on the edges, rough, and brown above, but whitish below ; they are placed by three's, or five's, on the fame pedicles, and never fall off in winter, till others come in their places. The flowers on the end of the branches confift of five petals or reddifh leaves, disposed in the form of a rose. and the flower-cup is cut into five parts, in the middle of which there is a piftil, furrounded with a great number of flamina, or chives. These are succeeded by round or oval fruit, nearly like mulberries. that are composed of several berries, full of juice, closely joined together, that are red at first, and black whenripe; each of these contain an oblong feed. It grows almost every where in the fields and woods, and flowers in Jane, July, and August; the fruit is rive in autumn. The root is cleanfing, aftringent, and absorbent ; and a syrup made of the fruit, is recommended in heat of urine. Boerbaave affirms, that the roots taken out of the earth in February or March. and boiled with honey, are an excellent remedy against the dropfy. The leaves pounded and applied to ringworms and ulcers of the legs, heal them in a fhort time. The fruit when ripe is cooling, and quenches thirft.

RUBUS IDÆUS SPINOSUS FRUCTU RUBRO ET ALBO, the Rafberry bu/b, has a long creeping root, divided into feveral branches, and it fends forth feveral ftalks, to the height of a man, armed with thorns, that are not very prickly, the leaves are like those of the bramble, but more tender and fost, and of a brownish green above, but whitish below. The flowers are white, and confiss of five petals, disposed in the form of a rose, and the calyx is divided into five parts; from the center of which the pissil arises, with many stamina, that afterwards turns to a fruit, which is larger than a strawberry. It is round, a little

hairy.

4

1

hairy, and composed of five berries, joined closely together; the colour is generally red, and they are full of a rich vinous juice, and each contain a feed. It grows wild in moift fhady woods, and it is cultivated in gardens and orchards; it flowers in May and June, and the root is ripe in July, but it will not keep. There are other forts of rafpberries, and particularly one, that has white fruit; but they have all the fame qualities. It is faid to be cooling, cordial, and to firengthen the flomach. They agree with people of hot conftitutions, and there is a fyrup made with them, that is kept in the flops.

RUSCUS LATIFOLIUS FRUCTU FOLIO IN-NASCENTE, narrow leaved butcher's broom, or Alexandrian laurcl, with the fruit growing on the leaves. It has a long, white, hard, knotty, fibrous root, that fends forth stalks to the height of two feet, which are fmall, flexible, green, round, and furnished with pretty thick, broad, nervous, bending leaves, of a beautiful green colour, and refembling those of the common bay tree. The flowers proceed from the large nerve of the leaves, and are in the shape of little bells, but without pedicles; they are fmall, and of a greenish or pale yellow, with a pistil in the middle, that becomes a foft roundish fruit or berry, that is red when ripe, and contains two feeds as hard as horn. This fhrub grows wild in mountainous places, and is cultivated in gardens. It flowers in fummer, and the fruit is ripe in autumn. The roots are faid to be aperient, and to be good in a suppression of urine; but the leaves are vulnerary, and proper to cleanfe and dry moift ulcers.

ļ

RUSCUS MYRTIFOLIUS ACULCATUS, the common Knee-bolly, or butcher's broom, has a thick, crooked, warty, hard, creeping, white root, furnished with thick long fibres, and fends forth stalks to the height of two feet, that are tough and hard to break; and they are furrowed, and divided into several branches. The leaves are like those of the myrtle, but more stiff and rough, pointed, prickly, nervous, and

and without pedicles; they are always green, and have a bitter aftringent tafte. The flowers grow in the k middle of the leaf, and confift of a fingle petal, cut z into fix parts, whole flamina being united, are in the fhape of a bell, but there is no calyx. These are X Ŗ fucceeded by round berries, as large as peas, fome-X what foft and red when ripe. It grows in rough, 1 ftony places, and in woods, forreits, and hedges; ų, it flowers in April and May. There proceed tender 1.14 shoots from the roots in spring, that are green, and 3 may be eaten as asparagus. If they are suffered to ł grow, they become leafy, woody, and tough; and in ą fome places they make brooms with them. This ž plant is faid to incide grofs humours, and to carry 3 them off by urine; and the root is one of the five ĩ greater opening roots. The dole is from half an E ounce to an ounce in decoction, and has been re-0 commended in the jaundice, dropfy, and gravel. i Boerhaave affirms the decoction of the leaves in white : wine, is an excellent remedy in the gravel and dropfy, 3 and the dofe is a glafs in a morning fasting; but it ł must be continued for some time. 2

RUTA HORTENSIS LATIFOLIA, the common broad leaved garden Rue, has a woody root, furnished with a great number of fibres, and it fends forth stalks in the form of a shrub, that fometimes rife to the height of five or fix feet; they are as thick as one's finger, woody, divided into feveral branches. and covered with a whitish bark. The leaves are divided into feveral fegments. and are fmall, oblong, fmooth, of a fea-green colour, and placed by pairs in a rib, terminating in a fingle leaf. The flowers grow on the tops of the branches, and generally confift of four somewhat oval leaves, of a pale yellow colour; the piftil arifes out of the flower-cup, which turns to a fruit, confifting of four capfulæ, fixed to an axis, that are full of angular feeds, in the form of a kidney. It is cultivated every where in gardens, flowers in June, and continues green all the winter.

Digitized by Google

RUTA

1

ł

RUTA SYLVESTRIS MAJOR, the greater wild Rue, is fomewhat like the garden rue, but is fmaller, and the leaves are divided into longer fegments, which are also more narrow, and of a darker green. It grows in the fouthern parts of Europe, in rough, ftony, mountainous places. They both have the fame virtues, and have a difagreeable fmell, with an acrid bitter tafte. The leaves when in perfection, will blifter the fkin, if much handled, and are faid to be inciding, attenuant, and discussive; therefore they are proper, as they have alfo a ftimulating quality to quicken the circulation of the fluids, to diffolve grofs humours, and to open obstructions of the glands. Boerbaave had a high opinion of it, and affirms nothing can be more proper to promote fweat and perspiration, and to cure the hysteric passion, and the epilepsy. An extract made with the rectified spirit, contains the whole virtue of the rue. The dofe of the juice is to two ounces; but the leaves are best for those that can eat them; or they may be taken in powder, from a fcruple to a dram, or the infusion may be drank as tea.

ï

La Gin a tria a fr

1

3

ġ.

÷,

¢

ĩ

5.

2

15

3

Ş

ŗ

Ŀ

ł

,

SABINA MAS, the common Savine, has a ftrong woody root, that fends forth a ftem or fhrub, that extends more in breadth than in height, and is always green. The leaves are like those of German tamarisk, but are more hard, and thorny, and have a strong difagreeable smell, with an acrid burning taste. On the top of the branches there are catkins or flowers, that have three stamina without petals, and which are not fucceeded by any fruit; however if the shrub be very old, it fends forth small greenish flowers, that are fucceeded by small flattish berries, less than juniper berries, that are of a blueish-black when ripe. It is cultivated in gardens, but in our climate feldom or never yields any fruit.

SABINA FOLIO CUPRESSI, the herry-bearing upright Sabine, has a root like the former, but produces a higher flem, for it rifes to a fort of a tree, whofe wood is reddifh within, and is covered with

ť

à

ł

٥

ł

•

-

2

with a reddifh pretty thick bark. The leaves are like those of the cypress tree, but more compact, with a frong penetrating fmell, and a bitter, aromatic, refinous tafte. The flowers confift of three pointed petals, as well as the calyx, which is divided into three parts, and is of a yellowish colour. The berries are roundish, fleshy, and on the lower part there are three tubercles, with a navel, armed with three fmall teeth, and they contain three oblong ftones, that are convex on one fide, and angular on the other. It grows among mountains, woods, and other uncultivated places, and is also planted in gardens. The first is only used in medicine, and is inciding, penetrating, and aperient. It promotes the menses in women, and haftens child-birth. The dofe of the leaves in infusion, is half an ounce, and in powder to a dram, in a glass of white wine. It is looked upon by most physicians, to be a forcing and dangerous emmenagogue, and has been abufed in all countries by fingle women that wanted to procure abortion ; however there are fome that will not allow it to have this property. The diffilled oil, taken upon a lump of fugar, has the fame virtues, and is employed by fome to kill worms. This plant is a good remedy for opening obstructions of the vifcera, proceeding from a weakness of the vessels, and the clammynefs of the fluids.

SALICARIA, five LYSIMACHIA PURPURA, purple fpiked Willow berb, or Loofe Strife, with long leaves, has a thick, woody, white, perennial root, with branches that fometimes rife to the height of a man, that are ftiff, angular, branched, and reddifh. The leaves are oblong, pointed, narrow, and of a deep green; they proceed from the knots of the ftalks by pairs, and fometimes by threes, but very feldom by fours; they furround the ftalks by intervals, and have a dry aftringent tafte. The flowers are verticillated in the middle of the branches, and are collected in fpikes, of a fine purple colour, and each confift of fix leaves or petals, in the form of a rofe, with With twelve ftamina of the fame colour, placed in the middle. The piftil rifes from the middle of the flower-cup, and turns to a hufk, or oblong pointed capfula, divided into two cells, full of fmall feeds. It grows in moift marfhy places, and by the fides of waters and rivers; it generally flowers in June and July. This plant is deterfive, aftringent, vulnerary, and cooling, but is feldom ufed in medicine, though fome pretend it is an excellent remedy againft the bloody-flux.

SALIX VULGARIS ALBA ARBORESCENS, the common white Willow tree, has a long, woody, white root, that produces a pretty large tree, with many firm green branches, covered with a fmooth foft bark; the wood is white, pliant, and difficult to break. The leaves are long, narrow, downy, whitifh, foft, and more or lefs dentated on the edges. The flowers and fruit grow diffinctly from each other, and the male has only catkins, or long fealy fpikes without petals, but there are two ftamina in the center. The female willow has catkins like the former; but they have an oval, pointed piftil, fomewhat longer than the fruit, which afterwards becomes a bivalved capfula of the fame shape, full of oval tufted feeds. It grows every where in moift marfhy places, and on the fides of brooks and rivers.

ł

: 1

F,

ŀ

4

SALIX CAPREA, seu MINOR, seu SALIX I.A-TIFOLIA ROTUNDA, the round leaved Willow, has a root like the former, and it produces a pretty large shrub, covered with a whitish bark. The leaves are roundifh, broad, nervous, of a deep green above, and whitish and downy below, and the pedicle is often furnished with two small leaves, cut like ears; the catkins and flowers grow in diffinct places, and it delights in moift woods, and along the fides of rivers and ditches, and is common in hedges. lc flowers in March and April, and the wood though more brittle than the white willow, ferves to make hoops for barrels. The bark, leaves, and catkins, are faid to be cooling and aitringent, and they have VOL. VI. R been

been used in decoctions, and in all kinds of hæmorrhages, but they are now out of use.

SALVIA MAJOR, the greater or common Sage, has a perennial, hard, woody, fibrous root, with woody, branched, hairy, white, green stalks, generally fouare. with leaves placed opposite to each other ; these are oblong, broad, obtufe, wrinkled, rough, and whitish, inclining to purple, and fometimes other colours ; they are downy, thick, have a little juice, and are crenated on the edges. The flowers grow in spikes on the tops of the branches, and confift of a fingle labiated petal, with two flamina; they are of a blueish colour, inclining to purple, and are contained in a large calyx, in the fhape of a horn, that is cut into five fegments, and has the smell of turpentine. These are fucceeded by four roundifh blackifh feeds, contained in a hufk, that before was the flower-cup. It is cultivated in gardens, and flowers in June and July.

SALVIA MINOR, five PINNATA, Sage of wirtue, has a root like the former, with feveral woody, whitish, downy stalks, as long as those of the common fage, but the leaves are less, whiter, wrinkled, rough, and generally attended at the base with two small leaves, in the shape of ears or wings. The simell and taste are stronger, more penetrating and aromatic. The flowers and feeds are like the former, and it is cultivated in gardens.

SALVIA HISPANICA, Spanifs Sage, with a lavender leaf, fomewhat refembles the former, but it is lefs, and the leaves are narrower, but more white, as well as the flowers. It flowers in fummer, but is very tender, and will not bear the cold very well. They may be all planted by flips, during any of the fummer months, obferving to fhade and water them till they have taken root; after which they may be taken up and planted in a dry foil, where they may have the benefit of the fun. Sage of virtue, is by moft accounted the beft, though the properties of all are much the fame; they are cephalic, and very good againft the apoplexy, epilepfy, palfy, and trembling of the limbs.

ł

ì

ł

ť

ł

1

١

Ĭ

Limbs. They are all used in the manner of tea, against any of the diforders abovementioned, as well as for a prefervative. It is very good for diforders of the brain, to promote the circulation of the fluids, to ftrengthen the flomach, and to promote digestion. It is commonly faid, that the *Chinese* wonder we should buy their tea, when we have so much fage of our own, which they take to be much more excellent. As to outward use, the leaves and flowers are of employed in fomentations, to strengthen the nerves and to discuss the fwellings of wounds.

SAMBUCUS FRUCTŬ IN UMBELLA NIGRO the common Elder tree with black berries, has a woody, long, whitish root, and fometimes grows to a middle fized tree. The branches are large, round, and full of a white pith, that are green at first, and afterwards grey. The trunk is covered with a rough ash-coloured. bark, full of cracks, under which there is another, which is green, and is used in medicine. There are five or fix leaves that grow on one rib, which are dentated on the edges, and each rib is terminated with a fingle leaf, that is larger than the reft. The flowers grow at the tops of the branches in umbels, and confift of a fingle petal, divided into five fegments, that expand in the form of a role; they are white, fmall, and have five stamina, with roundish apices; these are fucceeded by foft, round, juicy berries, that are green at firft, but black when ripe, and there are generally three feeds in each. It grows almost every where, in all parts of Europe, but delights in valleys and moift shady places. Is flowers in May and June, and the berries are ripe in autumn. All parts of this tree are in use, and they are generally known to have a purging and aperient quality. In Germany they use the fresh flowers, fried in pancakes, which are extreamly laxative, without the least gripes or fickness. The dose of the rob of elder-berries, is from a dram to half an ounce, in the bloody-flux, and to promote urine and fweat. The use of elder-berries in made wines, is univerfally known.

Digitized by Google

SAMOLUS,

363

SAMOLUS, round leaved water Pimpernel, has a root furnished with fibres like hairs, and stalks that rife to the height of a foot, that are flender, round, fliff, in which the leaves are placed alternately without pedicles : they are shorter and rounder than those below, for there they are narrow and oblong at the beginning, but grow broader by degrees to the extremity, and are thick, even, fmooth, and of a pale green. The flowers grow on the top of the flalks and branches, and confift of a fingle petal, cut into feveral fegments, that expand in the form of a rofe: they are white, and have five stamina. The pistil rifes from the flower-cup, and is fixed like a nail in the center of the flower, which uniting with the calyx, turns to a fruit or pod, which opens at the top, and contains many fmall feeds. It grows in watery marshy places, flowers in June, and the feeds are ripe in September. Some eat is as a fallad, and it is looked upon to be vulnerary, aperient, and cleanfing; but it is not now in use.

SANICULA, Sanicle, has a thick root above, that is fibrous below, blackifh without, and white within, It fends forth feveral broad roundifh leaves, that are a little hard, fmooth, dentated on the edges, and of a fine green fhining colour; from among these there arifes a stalk to the height of a foot, that is fmooth. without knots, and reddifh towards the root, and on the top there are feveral fmall flowers collected into an umbel, confifting of five white or red petals, placed in the form of a role, with five stamina, and roundish apices. The petals are generally bent back to the calyx, on which they reft, and which turns to a fruit composed of two feeds, convex on one fide, flat on the other, and prickly at the points, by which means they flick to the garments of those that pass by. Some of the flowers are always barren. It delights in fhady woods, and in a flat moift foil; and it flowers in June. It has been long noted for its vulnerary virtues, and may be used in the manner of tea, but it is not now depended upon for any fuch purpofe.

Digitized by Google

SAPO

OF VEGETABLES.

365

SAPONARIA MAJOR LÆVIS, Soap-wort, has a long, reddifh, knotty, creeping, fibrous, perennial root, with stalks that rife to the height of two feet, that are round, fmooth, knotty, pithy, and weak. The leaves are large and nervous, like those of plantain, but smaller, smooth, and have very short pedicles. The flowers grow on the tops of the ftalks in umbels, and each is composed of five petals, difposed like a pink, and generally of a beautiful purplish colour, sometimes of a carnation, and sometimes whitish, with fix white stamina, on which are oblong apices. These are facceeded by a conical fruit, with small, round, reddish feeds. It grows near rivers, ponds, brooks, and in moitt fandy places. It is also cukivated in gardens, and it flowers in May, or June, and continues in flower till September. It is very bitter, and all authors agree, that it is cleanfing : it will even take spots out of cloaths, like foap, from whence it had its name. It is in great effeem with the German physicians, as an aperient, strengthener, and fudorific, preferring it to fassafras.

SATUREIA HORTENSIS, garden Sawory, has a fmall, fingle, woody root, with stalks that rife to the height of a foot, or a foot and a half, which are round, reddifh, and a little hairy and knotty. The leaves are fmall and oblong, like those of hyssop; they are a little hairy, and feem to have feveral holes, with a fmell like that of thyme, but weaker. The flowers are fmall and labiated, confifting of a fingle petal; whole upper lip or creft is divided into two parts. but the lower lip or beard is divided into three, and has the middle part crenated ; they proceed from the places where the leaves join to the stalk, fomewhat loofely, but not in whorls or fpikes, like most of this kind. They are white or purplish, with four filky flamina, that are fucceeded by as many brownish round feeds, contained in a capfula, that was the cup of the flower. It is cultivated in gardens, by fowing the feeds on a bed of fresh light earth, in March; and when the plants are come up, they muft R 3 he.

be moved into other beds, placing them about four or five inches afunder each way; it flowers in the fummer. It is aperient, inciding, and ftrengthening, but it is chiefly cultivated for the use of the kitchen, and is very proper for cold ftomachs.

SATURIA MONTANA, five SPICEATA, Rock Savory, has a hard, woody, perennial root, with falks that rife to the height of fix inches, which are firm and woody. There are many leaves at the bottom, that are like those of large thyme; but they are narrower, longish, have a fweet smell, and an acrid tafte. The flowers are verticillated, or disposed in rings, one over another, and at the top there is a whitish spike, inclining to purple. It grows wild on mountainous places, in hot countries, and flowers in fummer. It may be propagated by flips or cuttings, and should be planted on a dry foil, in which it will endure the cold very well, but at prefent they are almost neglected. It is accounted aperient, cephalic, carminative, and hysteric; but it is now quite out of ule.

SAXIFRAGA ALBA RADICE GRANULOSA. white round leaved Saxifrage, has a root that fends forth feveral fibres, at the top of which there are feveral tubercles, fomewhat larger than coriander feeds, which are partly purple and partly white, and of a bitterish tafte. The leaves are almost round, crenated on the edges, and pretty much like those of ground-ivy, only they are thicker and whiter. Among these the imall stalks arise, to the height of a foot, that are tender, hairy, purplifh, and branched. The flowers grow on the top, and have five leaves or petals, placed in the form of a role, and white, that have fix flamina, with roundifh apices. The flower-cup is divided into feveral fegments, out of which the piftil arifes, that, together with the flower-cup, turns into a roundish fruit, with two horns, and two cells full of small, longish, reddish feeds. This plant is common in moist meadows, in divers parts of England, and flowers in May. It is faid to be good in diforders

Digitized by Google

of

ţ

OF VEGETABLES.

of the breaft, and particularly in the moift afthma k but it is now almost neglected.

SAXIFRAGA VULGARIS, meadow Saxifrage, has a perennial, long, thick, wrinkled root, white within, and hairy at the top, with flalks that rife from one foot to two in height, which are thick, round, furrowed, fmooth, pithy, teddish towards the bottom. and branched. The leaves are fmooth, of a deep green, and divided into longish, narrow-pointed, fliff fegments, with an acrid tafte. The flowers grow on the tops of the branches in umbels, which have five leaves or petals in the form of a rofe, and of a whitish yellow colour. These are succeeded by fruit, composed of two fhort furrowed feeds, convex on one fide, and flat on the other; they have a ftrong pleafant fmell, and a vinous aromatic tafte. It grows almost every where in moist places, and has been looked upon as exceeding good for the gravel, the root being a powerful divretic ; but it is not now much used for that purpofe.

SAXIFRAGA MAGNA, Pimpernel Saxifrage, has a large, thick, white root, furnished with a few fibres, and a burning tafte; it fends forth stalks to the height of two feet, that are round, furrowed, knotty, hollow, and branched. The leaves are oblong, and feveral are placed together along the winged rib, and they are dentated on the edges, and fometimes cut very deeply; they are hairy on one fide, fmooth on the other, and are of a fhining blackish green; but have not fo ftrong a tafte as the root. The flowers grow in umbels on the tops of the branches, which are composed of five white petals, placed in the form of a flower de luce; these are fucceeded by leaves, joined by pairs, which are fmall, fhort, roundifh on the back, and furrowed, but flat on the other fide. It grows in uncultivated fandy places, exposed to the fun, and flowers in July and August. The whole plant is looked upon as diuretic, fudorific, and vulnerary ; but it is now neglected.

R 4

SCABIOSA,

SCABIOSA PRATENSIS HIRSUTA, common field Scabious, has a strait, long, perennial root, with falks that rife to the height of two or three feet, that are round, hairy, hollow, and have leaves placed on them by pairs, opposite to each other. Those that proceed from the root are oblong, downy, deeply cut, and have a fomewhat acrid taffe. The flowers grow at the top in round bunches, and are composed of encoual floretts, of a blue or purplish colour. These are succeeded by greenish fcaly heads, that have radiated leaves at the bafe, and composed of capfulæ, in each of which there is an oblong feed, crowned at the top. It grows almost every where, among corn, and flowers in June and July. It is faid to be alexipharmac, fudorific, aperient, cleanfing, and vulnerary, but is not now depended upon for any fuch purpofes.

z

đ

h

- 1

ŗ

t

c

2

ş

SCABIOSA FOLIO INTEGRO, vel SUCCSI. SA, Devil's Bit, has a perennial short root, that seems to be bitten off in the middle, and it is furnished with long fibres. It fends forth oblong pointed leaves, like those of common Scabious, but they are whole. and not cut, except those on the upper part of the falk, which are crenated on the edges, and are greener above than below, as well as rough, and covered with fuch fhort hair, that they feem to be fmooth. Late in the feafon, there arife from among the leaves feveral stalks, that are round, firm, reddish, branched, and have two fmall leaves at each joint, with flowers at the top, like those of the common Scabious; but the heads are thicker, and of a blueish colour, though fometimes they are purple or white; these are fucceeded by feveral round furrowed feeds. It grows in uncultivated places, and in meadows and pastures, and it flowers in the autumn. It has been looked upon as an alexipharmac, and vulnerary, and has been by fome reckoned excellent in the quinfey, and in venereal ulcers of the mouth and throat ; but it is now. neglected.

SCANDIX, Sheppara's needle, or Venus's comb, has a fingle, white, fibrous, annual root, with feveral ftalks,

stalks, that rife to the height of a foot, that are flender, branched, hairy, a little furrowed, greenish above, and reddifh below. The leaves are pretty much like those of coriander, and are of a fweetish, and fomewhat acrid tafte. The flowers grow in umbels on the tops of the branches, and confift of five white petals, in the shape of a heart, and disposed like a flower de luce, with as many capillary stamina, and roundish apices. These are succeeded by two very long grains, not unlike needles, that are convex, and furrowed on one fide, and flat on the other. It is very common among corn, and in the fields, and it flowers in May and June. It is diuretic, and is recommended by fome against the gravel ; but it is not now depended upon for that purpose. In some places it is eaten as a fallad.

SCILLA VULGARIS RADICE RUBRA, common red Squill, has a root like an onion, or a bulb, fometimes as large as a child's head, composed of thick, red, juicy, clammy coats, placed one upon another, and underneath there are large fibres. It fends forthleaves a foot in length, and as broad as the hand, that are fleshy, green, and full of a clammy bitter juice. In the middle of these there arises a stalk to the height of a foot and a half, on the top of which there are flowers, with fix white petals, but without a calyx, difposed in a ring, and as many oblong stamina. These are succeeded by roundish fruit, on which are three corners, and they are divided into three cells, full of roundish black feeds; the root is only in use.

2

.

t

l

• 1

1

;

1

•

t

SCILLA RADICE ALBA, the subite Squill, has a large root, but lefs than the former, which is composed of feveral white coats, full of a clammy juice, and furnished underneath with many pretty thick fibres. It fends forth an upright naked stalk, to the height of a cubit, adorned at the top with feveral white flowers, in the form of a flar, like those of the flarry hyacinth, and the fruit is like that of the former. The flowers appear before the leaves, and after them fix thick, fleshy, large, deep, green leaves proceed R 5 from

from the root, and lye upon the ground. This, as woll as the former, grows in fandy places near the fea, and flowers in August and September. The feeds. are ripe in November and December. These roots are. brought from the Levant and Spain every year, and they deferve to be cultivated in every good garden, for the beauty of their flowers. Those roots should. be chosen, that are fresh, of a middle fize, found, heavy, firm, and full of a clammy, bitter, acrid juice. They are excellent in diforders of the lungs, caufed by a clammy viscous phlegm; for which reason they perform wonders in the fits of the moilt afthma. and in a disposition to a dropsy. However, in swellings arifing from the dropfy, and in the inflammation of the kidneys, it is best given with nitre; that is, they should be double the quantity of this to that of the root ; and the dofe of the latter in powder, is from four to ten grains. When given in this manner, it almost always operates as a diuretic. There are feveral preparations of this root kept in the fhops.

SCLAREA PRATENSIS, meadow Clary, has a fingle, woody, perennial root, furnished with fibres, and it fends forth feveral stalks, to the height of two feet, that are pretty thick, stiff, hairy, hollow, and divided into wings or branches, opposite to each other. The leaves are large, broad, wrinkled, rough, and a little finuated, and crenated on the edges, and with long pedicles, like those of fage, and a strong smell, with fomewhat of an aromatic tafte. The flowers grow in whorls at the top of the branches, disposed in with long fpikes ; and they confift of a fingle labiated petal, whole upper lip or creft, is hooked ; but the under lip or beard is divided into three parts, the middle fegment of which is hollow and cloven. The piftil rifes out of the flower cup, and is attended by four embryoes, that turn into as many roundifh feeds, inclosed in a husk, which before was the flower-cup. It grows on the fides of the high-ways, and on the borders of fields ; it flowers in June and July. It is accounted good against ulcers of the legs, and it

Digitized by Google

is

ì

ŝ

ŝ

is also faid to cure green wounds, but it is now out of use.

SCORDIUM, common water Germander, has at fibrous, creeping, perennial root, that fends forth feveral branches, fometimes to the height of a foot, that are square, hairy, hollow, branched, and creep on the ground. The leaves are larger than those of common germander, and are wrinkled, dentated on the edges, foft, hairy, whitish, and have a garlick fmell, with a bitter taste. The flowers grow from the places where the leaves join to the stalks and branches; they are fmall, and confift of a fingle, labiated petal, in the form of a tube, open at the top. and have a lip divided into five parts, and is of a reddifh colour. The flowers are fucceeded by four fmall roundifh feeds, contained in a capfula, that was the cup of the flower. It grows in moift marshy places, on the fides of ditches, and flowers in June and July. It is looked upon as aperient, diaphoretic, and pectoral, and is faid to be good in malignant fevers, the fmall pox, and meafles, and it may be used in the manner of tea; but it is not found fo officacious as fome authors have pretended, though it enters feveral compositions kept in the shops.

SCORDIUM ALTERUM, five SALVIA AGRES-TIS, wood Sage, has a woody, flexible, creeping, fibrous, perennial root, that fends forth feveral fquare, hairy, purplish, branched, pithy stalks, to the height of two or three feet. The leaves refemble those of fage of virtue, only they are broader and fofter, like balm ; they are also wrinkled, downy, of a dirty green, dentated on the edges, and have a bitter tafte. The flowers grow in fpikes, and confift of a fingle labiated petal, like those of Germander, and have the fame shape, but are of a pale white colour, with four purple stamina, that are succeeded by four roundish, blackish feeds, contained in a capsula, that was the cup of the flower. It grows in uncultivated fandy places, and among hedges. It flowers in the fummer, and continues a long while in flower. It has fome. what

what of a garlick fmell, and is faid to ftrengthen the ftomach, kill worms, and promote urine; but it is now neglected.

SCORSONERA, five SCORZONERA, Viper's Gra/s, has a root a foot long, as thick as one's thumb, blackish without, white within, and easy to be broken ; it is full of a fweetish milky juice, and fome account it good eating. It fends forth a round, furrowed, hollow stalk, to the height of two feet, covered with. a little down, and divided into several branches. The leaves are long, pretty broad, fmooth, and embrace. the falk by their bafe; they are much like those of goat's beard, and are fometimes a little finuated orcurled at the edges, terminating in a long narrow. point, and are of a dark green colour. The flowers . grow on the tops of the branches; and are large, yellow, and composed of femi-floretts, with a long, flender, fcaly flower-cup; thefe are fucceeded by long, white feeds, tufted at the top. It is cultivated in many kitchen gardens about London, and flowers in. May and June. The root is accounted good, both. for food and physic, for it is faid to ftrengthen the. ftomach, and to promote urine and fweat. Some take. the boiled root to be very good food, and affirm it agrees with all ages and fexes. The juice of the root taken to three ounces in a morning faffing, Boerbaave affirms to be good in hypochondriac difeales, and to open obstructions of the viscera.

SCROPHULARIA NODOSA FOETIDA, finking, knotby, raoted Figwort, has a thick, long, creeping, white, notched, unequal, perennial root, that fends forth feveral flalks to the height of two feet, which are upright, firm, fquare, hollow, of a blackifft purple colour, and divided into wings. The leaves are oblong, broad, pointed, crenated on the edges, and like those of the great nettle, though larger and browner, but do not fling. They are placed opposite to each other, at each knot of the flalks, and the flowers that grow on the tops of the branches, confist of a fingle petal, in the fhape of a fmall bell, of a purple colour,

2

ŷ

Û

£(

Ē.

ŝ)

ķ

OF VEGETABLES.

Ibur, and supported by a calyx, divided into five parts, and there are four stamina, with yellow apices, and a pissil that turns to a fruit or husk, with a roundish, pointed end, that is divided into two cells, that contain feveral small brown feeds, which adhere to the placenta. This plant has the smell of elder, with a bitter taste, and is common in hedges, and shady places. It flowers in *June*, *July*, and *August*. The whole plant was formerly in use, and was said to be excellent in fcrophulous diforders. The dose of the root is a dramin a morning fassing, and has been given to ease the painful piles; but it is now out of use.

SCROPHULARIA AQUATICA, water Betony. has a thick perennial root, furnished with long fibres. and feveral stalks, that rife to the height of two or three feet; these are square, thickish, reddish in some places, and green in others, hollow within, pretty tender, full of juice, fmooth, and branched. The leaves are like those of the former, but more blunt at the end, and twice or thrice as large ; they have a difagreeable fmell and tafte. The flowers are like those of the former, but a little larger, and of a reddifh, rufty colour. Thefe are fucceeded by round pointed fruit, divided into two cells, that contain very fmall brown feeds. It is common in all watery places, and flowers in July and August. It is faid to be an excellent vulnerary, and to have the fame virtues as the former, in other respects; but it is not now in much efteem.

SECALE HYBERNUM, vel MAJUS, common or winter Rye, has a root furnished with slender fibres, which fends forth several staks or pipes, to the height of a man, which are more slender than those of wheat, and have four or five knots, with a few long narrow leaves, that are reddifn when they fpring out of the ground. The flowers have no petals, but consist of several stamina, that proceed from the flower-cup. They are collected into a flat spike, and are disposed almost singly; the pifil becomes an oblong flender seed, inclosed in a husk, which was before

Digitized by Google

375

• fore the flower-cup. The fpikes or ears of Rye; are longer, flatter, and have longer horns than those of wheat; it generally flowers in May. Rye alone is used in many of the northern countries to make bread; but it is not near so good as when mixed with an equal quantity of wheat. Some make use of ryebread to keep their bodies open, and it is faid to be good for those that are troubled with the piles; however its medicinal virtues are now entirely neglected.

SEDUM MAJUS VULGARE, common great Houfe Leek, has a fmall fibrous root, with many oblong, thick, flat, pointed, flefhy, juicy leaves, that grow close to the ground; they are always green, ranged in a circular order, in the form of a rofe, they being convex without, and flattifh within, and have a very little down on their edges. A thick, reddifh, pithy falk, arifes from the middle of these, cloathed with the fame fort of leaves as the former, only they are more narrow, and pointed. It is divided at the top into feveral branches, on which are flowers, with five: petals, placed in the form of a role, and of a purple colour, with ten flamina, that have roundish apicesor fummits. The pifiil rifes from the flower cup. which afterwards turns to a fruit, compoled of many. feed veffels, refembling hufks, that are collected into a fort of a head, and are full of fmall feeds. It grows on the top of old walls, and on the roofs of houfes : it flowers in July, and the stalk withers away in the autumn, when the feed is ripe. This plant is faid to be cooling, cleanfing, and aftringent, and fome give: four ounces of the juice, to cure intermitting fevers, when there is no cold fit. Some use the leaves outwardly, to cure the painful piles ; but it must be done with a great deal of caution. There is an inftance of a man that had a running foul ulcer in his leg, and was cured with the powder of the leaves, fprinkled thereon, in twenty-four hours, in which time it was fkinned over ; but here it may be observed, that the fudden healing of fores of this kind, is often attended with very dangerous confequences; and it is not feldom that

that the patients dye fuddenly with a fit of the apoplexy; therefore running ulcers are not to be ftopped, without making an iffue elfewhere.

SEDUM MINUS TERETIFOLIUM ALBUM, white flowered Stone-crop, with taper leaves, has a fmall. fibrous root, with feveral flaks, of the length of one's hand, that are hard, woody, and reddifh; the leaves are longifh, roundifh, flefhy, juicy, and in the fhape of maggots, that are fometimes found in rotten cheefe; they are difpoled alternately along the flaks, on the tops of which there are flowers, of a white colour, that grow in umbels, and confit of five leaves, placed in the form of a rofe, with feveral purple flamina; thefe are fucceeded by fmall fruit, composed of feveral fleaths, or feed-veffels, collected into a head, and are full of fmall feeds. It grows on walls, on the roofs of houfes, and flowers in the fummer. This plant is aftringent, and cooling, and is ufed by fome in fallads.

SEDUM PARVUM ACRE FLORE LUTEO. wall Pepper, or Stone Crop, has a small fibrous root, with feveral low, fhort, flender stalks. The leaves are very fmall, fomewhat thick, fat, pointed, triangular, and full of juice; the flowers are yellow, and confift of fix petals, in the form of a ftar, with many framina and apices. or fummits, of the fame colour in the middle, that are fucceeded by feveral sheaths or feed veffels, collected in the form of a head, and full of small feeds. It grows almost every where suspended by its roots, or lying on old walls, and on the tops of cow houses; it flowers in June, and has a pungent, hot, burning taste. It is looked upon by fome as an excellent remedy for the fcurvy, and is particularly good for ulcerated gums, occafioned by that diffemper. Boerhaave informs us, that he knew a quack, who gave two ounces of the juice of this plant, in milk or ale, to cure quartan agues, dropfies, and other chronical difeafes, and he fucceeded very well ; but it occafioned the patient to vomit very plentifully; however it is not to be given when the difeafe is attended with heat ; . . .

heat; for which reafon it must be taken with caution. There are also a great many inflances, that warrant the use of this plant, in the cure of the feury.

SENECIO MINOR VULGARIS, common Groundfel, has a fmall, whitish, fibrous root, with feveral. round, furrowed, hollow stalks, that rife to the height of a foot; these are sometimes reddish, branched, and hairy in certain places, exposed to the fun. The leaves are oblong, jagged, dentated, placed alternately, fixed to the stalks by a broad base, and terminate in a blunt point; the colour is of a dark green, and the flowers are placed in bunches at the top of the flaks; they confift of many yellow floretts, disposed in the form of stars, and contained in a flower-cup, confifting of a fingle leaf, with five fmall flamina, that have cylindric apices or fummits in the middle : thefe are fucceeded by downy feeds, that altogether form a white head. It grows every where in fields, and by the way fides, in fandy places exposed to the fun; as foon as the leaves wither, others arife ; infomuch that it continues green all the year, and flowers in all feafons. It is accounted emollient and refolvent, and the juice given to two ounces, kills worms. Some account it good in the jaundice, and even in fpitting of blood. Boerhaave recommends the jaice, mixed with oxycrate, as a gargle, in inflammations of the throat.

SERPYLLUM VULGARE MINUS, Mother of Thyme, has a fmall, woody, perennial, brown root, furnished with capillary fibres; as also feveral small, square, woody, reddish, and low stalks, that are somewhat hairy. The leaves are small, green, roundish, nervous, a little broader than those of common thyme, and have an acrid, aromatic taste. The flowers grow on the tops of the stalks, disposed like a head, and generally of a purple colour; they consist of a single labiated petal, that has two lips, and is placed in a calyx, made like a horn. These are succeeded by stall roundish feeds, contained in a capsula, that was the cup of the flower. It grows in uncultivated,

moun-

ï

i,

1

i,

í,

16 . . .

2

ç

2

2

ij

Ċ,

377

mountainous, dry, fandy, ftony places, and flowers in the fummer. There are feveral forts, but they have all the fame virtues, and are accounted cephalic and ftomachic, and may be used in the fame manner as common thyme, though they are not quite fo efficaceous.

5

. .,

2

ė,

j

SERRATULA VULGARIS FLORE PURPU-RIO, common Saw-wort with a purple flower, has a fibrous perennial root, with a bitterish tafte, and feveral upright, firm, fmooth, reddifh stalks, that rife to the height of two or three feet, and are divided into feveral branches, with leaves like those of common fcabious; but those below are oblong, broad, dentated on the edges, fmooth, of a brownish green, and larger than those of betony. The flowers grow on the tops of the branches, in oblong fcaly heads, and confift of feveral floretts, divided into many parts, under which is an embryo in a fcaly cup, like that of the greater centory. These are succeeded by downy feeds that are fomewhat oval; that is, they have a tuft of down at one end. It grows in woods, meadows, and shady moist places, and slowers in June, at which time it is gathered for the use of dyers. It is called Serratula, or the Saw-plant, because the edges are cut like a faw. It is accounted a vulnerary plant, and is faid to be good to diffolve coagulated blood : but it is of no ule at prefent.

SICILIANA five ANDROSÆMUM MAXI-MUM FRUTESCENS, TUTSANE, or Park leaves, has a thick, woody, perennial, reddifh root, furnifhed with long fibres, and has a refinous tafte. It fends forth feveral branches to the height of two or three feet, that are reddifh, round, woody, firm, and fmooth, the leaves are oblong, placed opposite to each other; and are like those of St. John's wort, but are three or four times as big; they are of a brownish green at the beginning of the fummer, but in the autumn they are of a dark red, and feem to be perforated with a great number of holes; but on closer examimation, these are found to be fmall bladders, full of a clear 178

a clear balfamic fluid. The flowers grow on the top of the branches, and are each composed of five yellow petals or leaves, like throle of St. John's wort, and have a calvx divided into five parts; thefe are fucceeded by fmall berries, that grow black as they ripen, and contain small brown feeds. This plant appears like a fmall fhrub, and grows among bufhes and in fhady places; it flowers in fummer, and the berries are ripe in autumn. It is called Tutfane, which fignifies all heal, becaufe it has been faid to cure all forts of difeases; notwithstanding which it is seldom. used in medicine, though it has the same virtues as St. Fobn's wort.

SIDERITIS HIRSUTA PROCUMBENS, bairy trailing Iron-wort, has a hard, woody, perennial root, that fends forth square, whitish, yellow stalks, to the height of a foot and a half, or two feet, that generally lyc on the ground. The leaves are placed opposite to each other on the branches, and are oblong, hairy, dentated on the edges, wrinkled, and pretty much like those of fage. The flowers are labiated; and confists of a fingle petal or leaf, whose upper lip or creft is upright, but the under lip or beard is divided into three parts; the colour is of a whitish yellow spotted with red, or like the skin of a toad. The calyx is inthe shape of a horn, out of which arises the pistil,attended by four embryoes, that turn to four oblong blackish feeds, contained in a capsula or husk, that was the cup of the flower. This plant grows in dry, flony, mountainous, fandy places, and it flowers in June and July. It is accounted vulnerary and aftringent, and has been recommended to cure ruptures. The. Germans make use of it in baths, to open the pores of the fkin, which it is faid to do very powerfully.

SILIQUASTRUM, five ARBOR JUDÆ, Judas's 2 tree, has a thick, hard, woody, perennial root, that fends forth a trunk, which in time becomes a middle fized tree, and is divided into branches at confiderable distances from each other; the bark is of a blackish purple-colour, on which papilionaceous flowers ap-

pear

2

a

ł

2g

2

Ę

÷

2

ì

Ľ

ż

ż

5

¢

É

t

ļ

ž ÷

z

OF VEGETABLES.

3

•

 \circ

3

5

ł

2

pear in the fpring, of a beautiful purple colour, and feveral of them are placed together; they are composed of five petals or leaves, the two lowermost of which are larger than the upper, which is contrary to other flowers of the leguminous kind. The piftil rifes from the center of the flower-cup, is furrounded. with stamina, and afterwards becomes a long flat pod, containing feveral feeds in the fhape of kidneys. After these the leaves appear, which are round, and placed alternately on the branches; they are nervous, green above, and whitish below; the pods that contain the feeds are fix inches in length, and very flat, purple, membranous, semi-transparent, and made in fome fort like the sheath of a knife. This tree grows in hot countries, near rivers and brooks, on mountains and in valleys; it is cultivated in gardens for its beauty, and flowers in April and May. It was formerly preferved in green-houses as a curiofity; but of late years has been transplanted into the open air, where it thrives very well. It may be propagated by fowing the feeds on a bed of light earth, towards the middle of April, and earth fhould be fifted over them to the thickness of half an inch; and if the feason proves wet, the bed should be covered with matts. Some few of the plants rife the first year, but the greatest number in the fecond. About the middle of April following, just before they begin to shoot, they should be taken up carefully without breaking their roots, and planted in fresh ground as soon as possible. After they have continued here two or three years, they may be removed to the places where they defign to remain. It is of little or no use in medicine, though the pods are faid to be aftringent. In the fouth parts of France, the flowers are eaten as a fallad; but they are best when pickled like capers before they open.

SINAPI SILIQUA LATIUSCULA GLABRA SEMINE RUFO, five VULGARE, common or red Maftard, has a white, woody, brittle root, furnished with fibres, that fends forth a stalk to the height of four or five feet, which is pithy, hairy below, and divided.

divided into feveral branches. The leaves are large, and much like those of radishes, but smaller and more rough. The small yellow flowers grow at the top of the branches, and confist of four leaves in the form of a cross; the pistil arises out of the flower-cup, which turns to a fruit or pod, divided into two cells by a partition, to which the valves adhere on both fides, and are full of roundith, reddish, or blackish feeds, of an acrid biting taste. This grows wild on the fides of ditches, among flones, and on land newly broken up, particularly in the Isle of E/y, where the land has been flooded for many years, and has afterwards been drained. It is also cultivated in gardens, and flowers in June.

SINAPI ALBUM, five HORTENSE SEMINE . ALBO, garden or white Mustard, has a fingle, woody,. white root, furnished with long fibres, and fends forth a stalk to the height of a foot and a half, or two feet, which is branched, hairy, and hollow. The leaves are like those of radisfies, and armed above and below with fliff prickly hair. The flowers are fmall, yellow. in the form of a crofs like those of the former, and they are fucceeded by hairy pods, that terminate in an empty point, which contain four or five round, whitish or reddifh feeds, that feem to be articulated or knotted. It grows wild in fields among the corn, and is cultivated in gardens ; it flowers in May and June, and the feeds are ripe in July and August. Both kinds have the fame properties, though the former is generally preferred. The feeds are flomachic, diaphoretic, antifcorbutic, and are good in hypocondriac difeafes, as well as in fleepy diforders. The common use of mustard is known to every one, and is very proper for people of a cold conflitution, because it creates an appetite, helps digestion, and attenuates the food. The powder of mustard-feed, taken in white wine, is excellent against the fcurvy, and fome affirm it will cure a quartan ague, if taken in hot wine two hours before the fit. Some apply mustard outwardly to cure the hyp-gout, and also lay it to the feet

ł

Feet, mixed with other things, in dangerous fevers. The white muftard is used as a fallad herb, especially in winter, and in the spring. There are two other forts of this plant, but these are the most useful.

SISARUM GERMANORUM, the Skerrit, has a root composed of several parts, as long as a man's hand, and as thick as the little finger, which are tender, brittle, wrinkled, and fixed to a fort of an neck; they are covered with a thin pale rind, and have a white pulp. The branches rife to the height of two or three feet, and are thick, knotted, and furrowed; the leaves are winged, and placed by pairs opposite to each other, on a rib that terminates in a fingle leaf, which is longer and broader than the reft; they are greener and fofter than those of parfnips, and are flightly crenated on the edges. The flowers grow in umbels on the top of the stalks, and confist of four white leaves, placed in the form of a role, with as many flamina in the middle. The calyx or flower-cup, afterwards turns to a fruit, composed of two oblong feeds, that are furrowed on the back, and of a dark colour. It is cultivated in the kitchen garden, and flowers in June. It is thought by fome to be the most wholefome and nourifhing of all kinds of roots, though it is not very common in the gardens near London, but for what reason it is hard to fay. It may be propagated by fowing the feeds about the middle of April, upon a moift, rich, loofe foil; the plants will come up in May, and when the leaves are decayed, the roots may be taken up for use as they are wanted; and they will continue good in the ground from October till March, after which they are good for nothing. They are accounted good for all ages and conflitutions, and Boerbaave looks upon them as one of the best remedies for piffing and spitting of blood, and would have them dreffed feveral ways, that the patient may feed frequently upon them, especially if inclined to a confumption.

s/

14

SISYMBRIUM AQUATICUM, Water radif, with dentated leaves, has a long flexible root, furnished with fibres, and has a take like that of radifhes. It fends forth feveral branched, hollow, furrowed stalks, to the height of three feet; the leaves are large, long, finuated, dentated on the edges, and especially towards the lower

Digitized by Google

part.

part. The flowers grow on the top of the branches, and confift of four yellow petals or leaves, disposed in the form of a crois; the piftil proceeds from the flowercup. that afterwards turns to a fruit or pod, which is divided into two cells by a partition, to which the valves adhere on both fides, and they contain fmall roundiffa feeds. It grows in marshes, brooks, rivers, ditches full of water, and flowers in fpring. It is observable, that the leaves differ greatly from each other, according to the places in which they grow.

SISYMBRIUM SILVESTRE, fine RHAPHA-NUS AQUATICUS, water radifs, has an oblong white root, as thick as a man's little finger, that has an acrid pungent tafte ; the stalks which rife to the height of three feet, are furrowed, hollow, and fometimes reddifh. The leaves are oblong, pointed, cut deeply into jags, dentated on the edges, and are placed alternately on the stalks. The slowers grow on the tops of the stalks and branches, and are small, considering the fize of the plant; they confift of four yellow petals or leaves, disposed in the form of a cross, with fix flamina ; they are fucceeded by small short pods, divided into two cells, that contain small roundish feeds. It grows in ditches full of water, and in marshy places; and it flowers in June and July. Some account the roots of both kinds good to eat, and use them in the fame manner as radifies. They are aperient, cleanfing, good against the gravel, scurvy, and dropsy; but they are feldom uled either for food or phylic.

SISYMBRIUM PALUSTRÉ REPENS NASTUR-TII FOLIO, Water Rocket, has a creeping, flender, 'ł whitish root, with an acrid talle, but not fo strong as that of radifh; the stalks are short, furrowed, slightly perforated, that are fometime reddifh, and like those of the garden creffes. The flowers grow at the top of the branches, and are fmall, confifting of four yellow leaves or petals, that are fucceeded by fmall cylindric pods, . ù which are longer than those of the former kinds, and are l divided into two cells by a partition, containing feveral fmall feeds. It grows on the fides of rivers in moift 1 ditches, and in flony brooks; it flowers in July and ł August.

i

ì

Ļ

383

Huguft, It has the fame virtues as the two former; but is now made little or no use of.

s)

er fa

1

a

ė /

3

11 10 11

ı J

د ثالا

R. 1

1, j

3

5

Ø.

k I

Ø I

k,

UC,

SISYMBRIUM ERUCÆ FOLIO GLABRO FLORE LUTEO, Common winter creffes, has a long, pretty thick, white, perennial root, with an acrid taile; the flalks are furrowed, firm, branched, pithy, hollow, and rife to the height of a foot and a half. The leaves are fmaller than those of radifhes, and are fomewhat like creffes; they are of a deep, fhining green; but have not fo acrid a tafte as the root. The tops of the italks and branches are adorned with long fpikes, of yellow flowers composed of four petals in the form of a cross; these are succeeded by slender, long, tender, cylindric pods, full of many small, reddish feeds. It grows on the fides of ditches and brooks, and fometimes in fields; it is alfo cultivated in gardens for fallads, in fome parts of Europe ; it flowers in May and June, and continues green all the winter. It is cleanfing and vulnerary, and is good in the beginning of a dropfy, made use of in the manner of tea.

SISYMBRIUM ANNUUM ABSINTHIUII MI-NORIS FOLIO, five SOPHIA CHIRURGORUM, Fix Weed, has a white long woody root, furnished with imall fibres, and it fends forth round, hard, fomewhat hairy stalks to the height of a foot and a half, or two feet, divided into feveral branches. There are many leaves cut into fine, whitish fegments, like those of pontic worm wood, on which there are fine fhort hairs. The flowers grow on the tops of the flaks, and are composed of four leaves, in the form of a cross, of a pale yellow colour; these are fucceeded by flender, longifh pods, full of fmall, round, hard, reddifh feeds. It grows on old walls, and ftony waste places. It flowers in June and July. The feed only is in use, and has a fomewhat aftringent acrid tafte, not unlike that of mustard. A dram of it is given by fome in broth, to ftop fluxes of the belly; it is a common remedy among poor people, in fome parts of Europe.

SLSON five PETROSELNUM MACEDONICUM, Macedonian Parfley, has a fingle, white, woody root, that has a tafte like parfneps, but more aromatic. The ftalks rife to the height of two feet, and are moderately thick, round,

round, pithy, pretty firm, fmooth, knotted, and branched. The leaves are winged like thole of parineps, and placed alternately along the branches. The flowers grow in umbels on the tops of the branches, and are composed of five white petals, in the fhape of a heart, and disposed in the form of a role; these are fucceeded by feeds joined by pairs, that are furrowed on the back, and flat on the other fide. It grows in most places, on the fides of hedges and ditches, and if flowers in the Summer, and the feeds are ripe in July and Augu/t. The feeds are brought to us from the Levant, though it is planted in our gardens. It is one of the four leffer hot feeds, and has an actid aromatic tafte. They are carminative, and are good to discuss wind in the intestines; but it is now of little use.

SMILAX ASPERA FRUCTU RUBENTE, rough bind weed, with a red fruit, has a long, creeping, artiticulated, hard, whitish, perennial root, furnished with fibres; the stalks are long, hard, furrowed, branched. armed with prickles, and furnished with claspers, by means of which, they lay hold of and wind round the neighbouring trees and fhrubs. The leaves are large and like those of briony, but more thick, firm, nervous, and armed with prickles as well on the edges, as on the back. The flowers grow in bunches on the tops of the ftalks. which are fmall, white, and composed of fix leaves, in the form of a ftar, with as many ftamina on oblong fummits. These are succeeded by round fruit like grapes, that are foft and red when ripe, and contain three round, fmooth, foft feeds, reddifh without, and white within. It grows in uncultivated places, in the fouthern parts of Europe, and it flowers in the Spring; but the fruit is not ripe till July or August. The root is faid to be fudorific, and to attenuate groß humours, for which reafon, it is good in chronic difeafes proceeding therefrom ; however it is not brought into practife with us.

SMILAX LÆVIS MAJOR, greater bind weed, has a long, flender, whitifh, perennial root, furnished with fibres; and the stalks are long, flender, furrowed, and climb upon trees and bushes, by means of their classers. The leaves are in the shape of a heart, and are bigger and softer than those of Ivy; they are also smooth and

Digitized by Google

green,

ł

green, and the flowers are in the form of a bell, and as white as fnow. The calyx is oval, and divided into five parts, with as many ftamina, and flattifh fummits. Thefe are fucceeded by round fruits as big as cherries, wrapt up in the calyx, and contain two angular or pointed feeds, of a blackish colour, with a reddish caft. It is milky like other plants of the fame kind, and grows almost every where amongst hedges and bushes ; it flowers in Summer. and the fruit is ripe in Autumn. This plant is purgative and vulnerary, and the milky juice is of the fame nature as fcammony ; but it must be given in a larger dofe, that is, from twenty grains to thirty.

SMILAX LENIS MINOR, fmall bind weed, has a very long, flender, creeping, perennial root, with many Imall, weak, flender branches, that wind round the neighbouring plants. The leaves are in the fhape of a heart, but more rough, nervous and fmall, than the for-The flowers proceed from the places, where the mer. leaves join to the stalks, like small, whitish bells; but they are fometimes reddifh or purplish. These are fucceeded by roundifh, fmall fruit, containing pretty large angular feeds. It is an anodyne, cleanfing, vulnerary plant, and country people often use it to heal wounds, by applying it after it has been bruifed between two ftones; many are lavish of their praise of this plant, on that account.

SMYRNIUM, Alexanders, has a pretty long, thick, white root, full of an acrid bitter juice, with a imell and tafte fomewhat like myrrh; the stalks are branched, furrowed, a little reddifh, and rife to the height of three feet, with leaves like those of parfley, but bigger; and cut into rounder fegments, of a brownish green colour. The fmell is aromatic, and the tafte much like that of parfley; the flowers grow in umbels on the tops of the branches, and confift of five whitish petals, disposed in the form of a role, with as many stamina in the middle; these are succeeded by seeds joined in pairs, that are long, and almost in the shape of a half moon; and are furrowed on the back. It grows in fhady, marshy places, and on rocks, near the fea ; it flowers in the fpring, and the feed is ripe in July. It may be propagated in gardens

Vol. VI.

j,

D

ľ

x

5ł

, []•

Ò

d, j

Ņ

æ ł

Ē

385

dens by the feeds, and fome eat the root raw among fallads; however now it is not much valued. Both the roots and feeds have much the fame virtues as parsley.

SODA SEU KALI, Grafi Wort, has a firm, fibrous root, with a flalk that rifes to the height of three feet, when it is cultivated, and to a foot and a half when it grows wild. The flalk is divided into long, ftrait, pretty thick, reddifh branches; and the leaves are long, narrow, flefhy, pointed, and full of juice. The flowers grow on the tops of the flalks and branches, and are formed by a yellow calyx, confifting of five leaves, with as many fhort flamina, that are fucceeded by a round membranous fruit, containing a long, black, fhining feed, rolled up like a ferpent. It grows in hot countries near the fea, and is cultivated in the fouthern parts of France; it flowers towards the end of fummer.

SODA SPINOSA SEU KALI SPINOSUM, Thorny grass wort, has a fibrous annual root, and several thick. branched, juicy, greenish brown stalks, that rife to the height of a foot and a half; the leaves are narrow, flefhy, full of a faltish juice, and terminated by a stiff fharp thorn. The flowers grow at the places where the leaves join to the stalks, and confist of fix stamina, placed in a calyx, with five leaves of a grafs green colour; these are fucceeded by membranous, roundish, prickly fruit, each of which contains a feed like a fmall ferpent rolled up, and of a black colour, fomewhat fhining. It grows in hot countries, on the fandy fhores of the fea, and on the fides of falt lakes. It flowers late in the year, and the feed is ripe in autumn. This plant as well as the former, is cultivated for the fake of making pot afhes with it. They cut it down when it comes to perfection, and they let it dry on the ground; after which they calcine it, in large pits made for that purpole; they ftop them up with earth, and let in no more air than what is proper to keep the fire burning. This is continued for a long while together, and the afhes unite fo clofe, and become fo hard, that they are forced to break the lumps in pieces with hammers, and other inftruments, to get them out of the pits. The chief use of these ashes, are to make foap and glass. As for the

plant

OF VEGETABLES.

plant itfelf, it is diuretic and proper to open obftructions of the vifcera; but it must be used with caution.

SOLANUM HORTENSE, Common Night Shade, of the shops, with black fruit, has a long, flender, hairy. dirty, whitish root, with a firm, angular stalk, that rifes to the height of a foot and a half, is of a blackish green colour, and divided into feveral branches. The leaves are oblong, pretty large, foft pointed, and blackifh; whereof fome are angular, others crenated, others whole, fmooth, and full of a greenish juice. The flowers grow on the branches, a little under the leaves, and confift of a fingle petal, divided into five parts, and expanded in the form of a ftar; there are as many yellow ftamina, with oblong fummits, and a piftil, which afterwards becomes a berry, like those of the juniper-tree ; it is green at first, but when it is ripe it is fost, fmooth, black, and full of juice. It grows on the fides of highways, near hedges and houfes, and it flowers in August and September. Some forts of this plant have red fruit, and others yellow, which feems to be the principal differences. Some have given the leaves and fruit inwardly, but very rafhly; for they are often attended with dangerous confequences, and therefore it is better to abftain from it intirely.

SOLDANELL'A MARINA, Scottifh Scurvy-grafi, or Soldanella, has a fmall fibrous root, with feveral flender, pliant, reddifh flaks, that creep on the ground; the leaves are roundifh, fmooth, fhining, like those of the leffer celandine, but thicker, and full of a milky juice. The flowers confift of a fingle petal, in the fhape of a bell, and are of a purple colour. The piftil which rifes from the lower part of the calyx, turns to a roundifh membranous fruit, that contains angular black feeds. It grows frequently on the fandy fhores of the fea, and Howers in fummer ; the whole plant is dried with the root, in which manner it is fent to us. It has a bitter, acrid tafte, that is fomewhat faltish, and is looked upon by fome as very proper to purge off watery humours, particularly in a dropfy, palfy, and the rheumatism. The dole of the powder when dried, is from half a dram to a dram.

Google

387

SON-

SONCHUS LÆVIS, Smooth Sow thifthe, has a finall, white fibrous root, and a hollow, tender, furrowed, purplifh fialk, that rifes to the height of a foot and a half. The leaves are long, fmooth, larger and more tender than those of dandelion, and are dentated on the edges. They are ranged alternately, are full of a milky juice, and some of them embrace the stalks with their broad bales. The flowers grow on the tops of the stalks and branches in bunches, and confist of yellow femi-floretts, like those of dandelion, but smaller; these are succeeded by fruit, of a conical shape, that contain oblong, seddifh, brown seeds, with a downy tuft. It grows almost every where, and flowers in May and June; rabbits and hares are fond of this plant.

SONCHUS ASPER, prickly Sow Thifle, has a root like the former, but the leaves are more entire, refembling those of endive, and they embrace their stalk with their base; they are of a deep shining green, and furnished with long hard prickles. It grows in the fame places as the former, and flowers at the fame time; it is full of a milky bitter juice. They are both of little or no use in physic.

SORBUS SATIVA, the manured Service tree, has a long, thick, hard, woody root, from whence proceeds a large branched tree, with an upright trunk, covered with a rough pale bark; the wood is very hard, compact and reddifh. The leaves are oblong, and feveral of them are placed upon the fame rib, like those of the afh, and are dentated on the edges, hairy, foft, greenish above, and whitish below. The flowers grow in bunches, and confift of five white petals placed in the form of a role; the calyx or flower-cup turns to a hard flefhy fruit, of the fize of a fmall pear, of a pale green on one fide, and reddifh on the other, with a yellowish flesh, and a very rough taste, when they are just gathered, which is in the autumn. They lay them among ftraw till they become foft, and then they are good to eat. It grows wild in Italy and other countries, and delights in a cold ftony foil; it flowers in April and May, and the fruit is ripe in October and November. It was faid to have been cultivated formerly in Eng-

land,

OF VEGETABLES.

land, which if true, there were lately none left. The fruit is aftringent, and is faid to be good in fluxes ; however they agree beft with those of hot constitutions, and that have weak ftomachs, when moderately eaten. Not long fince they have begun to introduce it into this kingdom again.

SORBUS AUCUPABIA, Wild Service, or Quickbeam, by fome called the Quicken-tree, is of a middle fize, and has a hard thick, long root ; the trunk is upright, and covered with a reddifh-brown spotted bark, like that of the elm, under which there is another, which is yellow, and of a ftinking fmell, with a bitter taste. The leaves are winged, and placed by pairs on a rib, terminated with a fingle leaf, and are dentated on the edges ; they are more pointed than the former, and are firm, fmooth, greenish above, and whitish be-The flowers are fmall, white, and placed in low. umbels; and they are fucceeded by fruit or berries, like -shele of the water elder, and of a yellow colour, mixed with vermillion ; they contain oblong feeds, and are of an acrid difagrecable tafte. It grows in moift moun--tainous places in divers parts of England, and is often cultivated in gardens. It flowers in May and June, and the fruit is ripe in September. It is more used by fowlers than phyficians, for a great many finall birds arc fond of the berries, and they ferve as baits to bring shem to the nets.

SORBUS TORMINALIS, the wild Service, or Sorb tree, grows to the fize of a pear tree, and the trunk is covered with a whitish smooth bark; whereas that on the branches is of a brownish red, inclining to yellow; the leaves are like those of the former, but more pointed; and more curioufly dentated on the edges, they being fomewhat in the form of the foot of a goole, and they are almost without hair or down on both fides, efpecially in the autumn ; the flowers are composed of five whitish leaves, placed in the form of a role, and they grow in bunches; they are fucceeded by fruit, like those of the white thorn, called hips, which are of a yellowish colour, speckled with white; the taste is rough at first, but afterwards becomes tartilh and agreeable

S 3

able when they are grown foft by keeping. On the infide there are five cells, each of which contains two feeds or pippins, like those of the pear, but fmaller, and almost triangular. They grow in uncultivated mountainous places, and in forests and hedges; they flower in May, and the fruit is ripe in autumn. Some look upon them as specifics in all kinds of fluxes of the belly, especially those that succeed the devouring too much fruit; but the juice must be made into a rob, and then the dose is half an ounce.

SPHONDYLIUM VULGAREHIRSUTUM. common hairy Cow parfnep, has a fingle, long. thick, wrinkled, fleshy, white, perennial root, full of a whitish iuice: the fialk rifes to the height of three or fourfeet, and is upright, round, knotted, hairy, furrowed, hollow. and branched. The leaves are broad, jagged, or cut into feveral parts, crenated on the edges, and covered all over with a foft down. Those above are like those below, only they embrace the stalk and branches by their large membranous bafes ; they refemble those of the common parsnep, and the flowers grow in umbels at the top of the branches ; they confift of five uneven leaves or petals, in the flape of a heart. disposed like those of a role, and are generally white; the calvx afterwards becomes a fruit, composed of two large, flattifh, oval feeds, furrowed on the back, and readily throw off their cover. It grows common on ~ the fides of ditches, and in the borders of fields, inmoist grounds every where. It flowers in May, June, and July. Ancient authors talk much of the virtues of this plant, none of which are known to us, or at leaft acknowledged.

STACHYS MAJOR GERMANICA, bafe Hoarbound, has a hard, woody, fibrous, yellowith, perennial root, with feveral ftalks that rife to the height of two feet, which are thick, fquare, knotted, white, downy, and pithy. The leaves are placed opposite to each other at each knot, and are like those of white hoar-hound, but longer and whiter, and as well downy as dentated on the edges. The flowers are verticillated, and disposed like fpikes on the top of the ftalks, between the leaves;

they.

they are downy without, fmooth within, and generally of a purple colour, though fometimes white; they confift of a fingle petal in the form of a tube, cut on the upper part into two lips, the uppermost of which is hollow like a fpoon, and is erect; but the upper lip is divided into fix fegments, of which the middlemost is much the largeft; the pissil rifes from the flower-cup attended by four embryoes, that turn to as many roundish blackish feeds, contained in a capfula that was the cup of the flower. It grows in mountainous uncultivated places, and is cultivated in gardens, where it is propagated by feeds; it flowers in *June* and *July*. It is of little use in medicine, though *Boerbaave* recommends it against the apoplexy and the palfy.

STAPHISAGRIA, Staves Acre, has a long woody root, with a stalk that rifes to the height of a foot and a half or two feet, which is upright, round, hairy, and branched ; the leaves are large, broad, cut deeply into feveral parts, green and hairy. The flowers grow on the tops of the stalks and branches, and at the places where the leaves join to the stalks ; they are composed of five unequal, deep, blue petals or leaves, disposed in a circle like those of larkspur, but much bigger, of which the upper part is prolonged backward, and receives into its four that of another leaf. These are fucceeded by a fruit, confifting of three or four greenish horns or fheaths, that contain feveral feeds as large as peas, that are wrinkled, rough, blackish without, reddish or yellowish within, and of a triangular shape; they have an acrid, burning, bitter, and very difagreeable It grows in shady places, the southern parts tafte. of Europe. and is also cultivated in gardens, on account of the beauty of its flower ; it is fown in the fpring, and requires a good foil, which must be well watered, and not too much exposed to the fouth fun; it flowers in the fummer, and the feed is ripe in automn. If thefe feeds are given inwardly, from twelve grains to a fcruple, they purge upwards and downwards ; but they heat and inflame the throat fo much, that they are dangerous to take; for which reason they are now entirely laid afide_

Digitized by Google

STATICE,

STATICE, Thrift, or Sea pink, has a long, thick, round, reddifh, woody, perennial root, with feveral heads ; from whence proceed a great number of long narrow leaves, like those of grass, and of a fea-green colour. From among these, several stalks arise, to the height of a foot, that are upright, knotty, hollow, and almost all naked ; the bunch of flowers grow at the top, and confist of five small whitish petals, in the form of a pink, and the calyx in the fhape of a funnel, befides which there is a general fcaly calyx. They are fucceeded by feeds, pointed at each end, and contained in a capfula that was the cup of the flower. It grows wild in Germany, and other inland countries, from whence it has been brought into England, and planted in gardens, to make edgings, and the fides of borders of flowergardens; but it is now almost neglected, because they require transplanting every year. It continues a long while in flower, even to the very end of autumn. Botrhaave recommends this plant as an aftringent, vulnerary, and proper to ftop internal hæmorrhages ; for which purpose the juice is to be drank.

STRAMONIUM, Thorn Apple, has a thick, white, fibrous root, that fends forth a flalk to the height of three feet, that is round, hollow, divided into feveral branches, and fometimes a little hairy. The leaves are large, angular, pointed, and like those of night-shade, but much larger, and of a deep green colour, with a most offensive smell. The flower is white, and like a. drinking glass, with an oblong flower cup, cut at the top into five parts. There are five yellow stamina in the middle, with as many fummits. These are fucceeded by fruit as large as a nut, almost round, and. armed all over with fhort thick prickles ; they are divided into four equal parts, by membranous partitions, that contain flat blackish feeds, in the shape of a kidney. In fome places it is cultivated in gardens, and flowers in July and August. It is a poifonous plant, and taken inwardly, caufes vomiting, madnefs, a lethargy, cold fweats, convultions, which are fucceeded by death, without immediate help.

Digitized by Google

SUBER

SUBER LATIFOLIUM, PERPETUO VITENS, the Cork tree, has a long, thick, hard root, that produces a middle fized tree, with a thick trunk, and a few branches. It has a thick, light, fpungy bark, of a yellowish grey colour, that cleaves of itielf and parts from the tree, because it is pushed forward by another bark that grows under it. The leaves are like those of the fcarlet oak, but they are larger, longer, green above, and fometimes a little prickly; the catkins and acorns are alfo like those of the fame tree; but they are longer, blunter, and have a more disagreeable tafte. The flower cup is also bigger, and more hairy ; it grows in the fouthern parts of Europe. The inhabitants of the places where they grow, cleave the trunk of this tree lengthways, to take off the bark more readily, and then they put it over burning coals, laying flones thereon, to render it flat ; after which they clean it, and fend it to other countries; this is what we call cork, that ferves for fo many different uses. When cork is burnt, and reduced to a fine powder, it is a very good remedy to ease the pains of the piles, mixed with the white of an egg, and the oil of fweet almonds.

SYRINGA ALBA, the mock Orange tree, has a flexible creeping root, that produces a handfome fpreading thrub, whole item and branches are upright, and covered with an afh-coloured bark ; it is also full of a white fpungy pith. The leaves are oblong, large, pointed, veiny, a little wrinkled, and crenated on the edges, and almost like those of the pear tree. The flowers grow in fhort spikes at the tops of the branches, and are composed of four white petals, disposed in the form of a role, and have a smell like that of orangeflowers; these are fucceeded by fruit, that are at first green, and afterwards blackish when they are ripe; they are oval, pointed at both ends, and adhere ftrongly to the flower cup ; they are divided into four cells, containing oblong feeds. It flowers in May and June, and the feed is ripe in August and September. The medicinal virtues are not known. It may be eafily propagated, by taking off the fuckers in autumn, and planting them

S 5

tized by Google

oug

393

out in a nurfery in rows, at three feet diftant from each's other, and a foot afunder in each row.

TAMARISCUS GERMANICA, the German Tamarik tree. has a root as thick as a man's thigh. covered with a thick bitter bark, from whence proceed feveral brittle stems, covered with a reddiff bark, divided into feveral branches, and adorned with leaves, like those of common heath, of a fea green colour, and an aftringent tafte. The flowers grow in fpikes at the extremities of the branches, and confift of five white, purplish, oval petals, or leaves, with as many stamina and roundifh yellow fummits ; these are fucceeded by fmall oblong pods, which before were the piffils, and are full of small downy feeds. This shrub grows in Hungary, about Strafburg, Landaw, and Geneva, by the fides of running waters, and moift ftony places. It flowers in May and June, and does not ceafe to bear flowers and fruit all the fummer. They may be easily propagated in England, by laying down the tender shoots in the fpring; but they are not of much value here becaule they have flragling branches.

TAMARISCUS NARBONENSIS, the French narrow leaved Tamarifk tree, has a thick woody root, divided into feveral branches, that fends forth feveral flems, which together form a bush or shrub, and sometimes a pretty large tree, with a trunk covered with rough grey bark. The leaves are fmall, long, and round, like those of the cypress tree and common heath; the flowers grow on the tops of the branches in bunches; thefe are of a whitish purple colour, and confift of five petals or leaves, that are fucceeded by pointed fruit, which contain fmall downy feeds. It grows chiefly in hot countries, but may be propagated here like the former, though it is of no great value. It flowers generally three times a year, namely, fpring, fummer, and autumn; but the leaves drop off in the winter. The vertues of both these thrubs are much the fame. and the root, bark, and leaves, are faid to open obfructions of the vifcera, and to attenuate groß humours; but they have been long out of use with us.

TANA,

OF VEGETABLES.

D-

5.5

2

a |

1

1

â

¢

1

2

.' .

ł

;

,

ei

TANACETUM VULGARE LUTEUM, common Tan/ey, has a long, woody, fibrous, perennial root, which fends forth stalks to the height of two or three feet, which are round, flreaked, a little hairy, and pithy. The leaves are large, long, winged, dentated on the edges, and disposed in pairs along a rib, terminating in a fingle leaf; however botanists generally reckon all these but one leaf. The flowers grow on the top of the leaves in bunches or umbels, and confift of many floretts, divided into several segments, and of a beautiful * The calyx or flower-cup is fcaly, yellow colour. and contains an embryo, that turns to an oblong feed, which is black when ripe. It grows wild on the fides of high ways, in fields, and on the edges of ditches; but it is every where planted in gardens, and flowers in July and August. The leaves have an acrid, bitter, aromatic tafte, and are looked upon as stomachic, febrifuge, and fudorific, as well as anthelmintic ; for both the leaves and feeds have always been accounted good to kill worms. Some give the juice to three or four ounces, in the cachexy, green fickness, and dropfy, in which last case it has succeeded, when other medicines have been tried in vain. The feed of tanfey may be used instead of wormseed ; but is not fo efficacious.

TANACETUM FOLIIS et ODORE MENTHÆ, free COSTUS HORTORUM, Cofimary, has a root like that of mint, with furrowed hairy branches, that rife to the height of two feet. The leaves are oblong, like those of the greater dittany, and are dentated on the edges. The flower grows like that of tanfy, in bunches or fmall umbels, on the tops of the branches, and are of a gold colour. They are fucceeded by naked, oblong, flat feeds, contained in a capfula, that was the cup of the flower. It is planted in gardens, and flowers late in the fummer. It has the fame virtues as wormwood, and the effential oil is in great use at Paris, to cure all forts of wounds and bruise.

TAXUS, the common Yew tree, has a thick hard root, that fends forth a high trunk, with branches and leaves that are always green. The wood is hard, reddifh, veined, and not fubject to rot; for which reason it is

Digitized by Google

put

put to many uses. The flowers are greenish, pale catkins, composed of fummits full of a very fine powder. but they do not leave any fruit behind them ; for thefe grow diffinctly, and are red, foft, juicy berries, in the fhape of bells, that contain feeds fomewhat like acorns, which have a fort of a little cup to each. It grows naturally in mountainous, ftony, hot countries, and is cultivated in gardens in England, where it was formerly in great efteem, because they could cut it into what shape they would : but now these monstrous figures being out of fathion, it begins to be greatly neglected; though it is proper to form hedges for the defence of exotic plants. It was formerly looked upon as a poifonous tree, but without any reason; for Lobelins fays children in England eat every day of the fruit, without any bad confequence; and it is certainly proper food for hogs. Gerard informs us he has eaten thereof many a time without any inconvenience. Likewife at Paris childrenhave been frequently feen to eat them in the royal garden very lately, without doing them any harm. However this opinion has prevented phyficians from enquiring into the real qualities of this tree.

TETRAGONIA, five EUONYMUS VULGA-RIS, the Spindle-tree, has a long woody root, that fends forth a shrub to the height of five cubits and upwards. The wood is pretty hard, and will cleave readily, and is of a whitish yellow colour, The leaves are oblong. pointed, crenated, and fomewhat foft ; the flowers are fmall, of an herbaceous colour, and composed of four oval leaves, placed in the form of a role, in a calyx or flower-cup, cut into four segments at the top ; thefe are fucceeded by a membranous fruit, of a reddifh colour, and composed of four cells, each of which contains an oval, folid, faffron coloured feed. It grows in hedges, flowers in May, and the fruit is ripe in Sepsember and Oslober. The fruit will purge upwards and downwards, and the country people in fome places reduce them to powder, and fprinkle the heads of children therewith to kill lice. The wood is made use of for spindles, tooth pickers, larding pins, and the like.

THA-

. [

d E (

s | a |

1

1

n (

ć

is f

2

4

h

15

a fi

e

THALICTRUM LUTEUM, five. RUTA PRA-TENSIS, meadow Rue, has a yellowith, fibrous, creeping root, with stalks that rife to the height of a man. which are fliff, furrowed, branched, hollow, and generally of a reddifh colour. The leaves are large, of a fhining green, and divided into feveral jaggs. The flowers grow on the tops of the branches, and confift of four petals, disposed in the form of a role, about a clufter of green stamina, or chives, that furround a piftil, which afterwards becomes a fruit, in which the capfulæ are collected into a fmall head, that contain each an oblong, yellow, furrowed, fmall feed of a. bitter tafte ; it has no flower-cup. It grows in meadows, and in moift marshy places, by the fides of brooks and flowers in the fummer. The root purges like rhuburb, for which reason it is called in Germany the rhubarb of poor people. It tinges the urine with a yellow colour, and is faid to have the fame qualities in all respects; but the dose must be three times as much. The juice of the leaves and flowers, has been given from one ounce to two, in all internal bleedings.

THLASPI, Mithridate Mustard, has a thick, woody, white root, with round, hairy, ftiff, branched ftalks, that rife to the height of a foot, which are furnished with leaves without pedicles, that are intire, and as long as the little finger, but broad at the base, and grow narrow by degrees to a point ; they are crenated on the edges, and are of a greenish ash colour, or whitish, with an acrid pungent taste. The flowers are fmall, white, and disposed like those of sheppard's purfe; they are composed of four leaves, placed in the form of a crofs, with fix flamina, that have pointed These are succeeded by round or oval fruit, fummits. - flatted in the shape of purse, with a leafy border, slit on the upper fide, and divided into two cells by a partition, placed obliquely with regard to the valve, and furnished with smooth, roundish feeds, that have an acrid pungent tafte like muftard. It grows in uncultivated places, exposed to the fun, among corn, and

Digitized by Google

on

39T

on the tops of houses, and walls; it flowers in May, and the seed is ripe in June.

THLASPI ARVENSE, SILIQUIS LATIS, Field mithridate muflard, with broad pods, has a fmall, oblique, woody root, from whence arife angular, furrowed, winged ftalks, that rife to the height of a foot. The leaves have no pedicles, and are long, broad, fmooth, dentated, and of a blackifh green, with a fmell fomewhat like garlick. The flowers grow in fpikes at the tops of the ftalks, and are composed of four white petals, difposed in the form of a cross, that are fucceeded by broad, flattifh, fmooth pods, containing roundifh, flattifh, reddifh brown feeds, of an acrid, hot, biting tafte. It flowers in May and the feed is ripe in June; it grows every where in the fields, and continues from the beginning of the fpring to the end of autumn.

THLASPI ALLIUM REDOLENS, Mithridate mustard fmelling like garlick, has a fingle white root. . with a few fibres, that fends forth feveral leaves, of which fome are jagged; others are furrounded by fmall : teeth, and others again are without teeth or jaggs ; . they have generally long pedicles and are nervous and . green. From among these arise small stalks with a leaves, that embrace each other alternately; the flow- ers grow at the tops, and are composed of four small : white petals, like those of sheppard's purfe, and are disposed in the form of a cross. These are succeeded by flat fruit, in the shape of oval purses, which contain roundish flat seeds. All three have the fame virtues; but the feeds are only made use of. They are faid to promote urine, and to diffolve coagulated blood. The dole is from one fcruple to two ; but it must not be given to women with child, for fear of caufing abortion, nor yet to patients of hot conflicutions. The feed of the first is an ingredient in mithridate and venice treacle.

THYMELÆA FOLIIS LINI, Sparge olive, or lawrel with flax leaves, has a long, thick, hard, woody root, grey or reddifh on the outfide, and white within, with a thick tough bark. It fends forth a fmall fhrub,

whofe

OF VEGETABLES.

-7

whole stem is about as thick as a man's thumb, to the height of two feet. The leaves are always green, and refemble those of flax; but are bigger, broader and pointed. The flowers grow in bunches at the top of the branches, and are fmall, white, and confift of a fingle petal, in the shape of a funnel, open at the top, and cut into four parts, which expand in the form of a crofs; there are eight stamina with roundish. fummits. These are fucceeded with berries, like those of myrtle, but fomewhat longer, and full of juice; they are green at first, but afterwards become as red as coral. The pulp is white within, and of a burning tafte. It grows wild in the fouthern parts of Europe, and flowers in July. It is cultivated in gardens by the curious; the leaves and berries were formerly made use of as a purge; but it is now neglected for that purpofe, because it was often attended with bad confequences.

THYMUS CAPITATUS QUI DIASCORIDIS. the true Thyme of the ancients, has a hard, woody root. furnished with fibres, that sends forth a small shrub to . the height of a foot, which is divided into flender, . woody, white branches, with leaves placed opposite to , each other, that are fmall, narrow, whitish, and fall off, in the winter. The flowers grow in heads at the top of the branches, which are fmall, purplish, labiated, and confift of a fingle petal. The stamina are four with flender fummits, and the piftil is attended by four embryoes, which become fo many feeds, enclofed in a hufk, which before was the cup of the flower. « It is common in Candia, Greece, Spain, and Sicily, and grows on mountainous places, exposed to the fun, with us they are cultivated in gardens; and they were formerly fet in pots and tubs; but of late they have been found to endure the winter.

Befides this there are common broad leaved thyme, narrow leaved thyme, and broad leaved ftriped thyme, which have all the fame virtues, and may be used indifferently in medicine. They are faid to ftrengthen the brain, and to attenuate and rarify clammy humours. They help

help digeflion, and may be of fome fervice in fhortness of breath; but they are chiefly used in the kitchen as a pot-herb.

All these plants may be propagated, either by sowing the feeds or parting the roots; and the proper season for both is at the latter end of *March*.

THYSSELINUM, Milky Parfley, has a long, reddiff, brown root, full of a milky fluid, that has a hot, fharp, ftrong, disagreeable taste. It fends forth a stalk, to the height of four feet, which is hollow, channelled and branched. The leaves are ferulaceous, that is refembling that of the ferula, and have a milky juice like the root. On the tops of the branches there are flowers in umbels, confifting of five yellowish white petals, in the form of a role, with as many capillary itamina with roundish fummits. These are succeeded by oval, large. flattish feeds, placed by pairs, and radiated on the back. It grows in moift, marthy places, on the fides of ponds and brooks, and of ditches full of water. It flowers in June and July, and the feeds are ripe in the beginning of August. The root has been used in decoction. to promote urine, but it is not very fafe, on account of its acridity. Boerbaave affirms, that the milk has the fame purging quality of fcammony, and may be used instead of it.

TILIA, the Lime, or Linden tree, has a deep spreading root, that fends forth a very large trunk, fo full of branches, that it is very proper for shady walks. It is covered with a fmooth afh-coloured bark, which is yellowish or whitish within. It is fo tough and flexible, that in fome places, where better materials are fcarce, they make cords and cables therewith. The leaves are broad, roundifh, and terminate in a point, and are a little downy on both fides, as well as dentated on the edges ; the flowers confift of five whitish petals, which are placed orbicularly, and expand in the form of a rofe. There is a long narrow leaf growing to the foot stalk of each cluster of flowers, each of which has a great number of flamina, with yellow fummits, and are fustained by a cup cut into five white thick parts. These are fucceeded by a pod of the fize of a large pea, which

Digitized by Google

arc

are almost round or oval, as well as woody, angular, hairy, and contains one or two roundifh blackifh feeds, of a fweetifh talte. Befides this, there are the fmall leaved lime tree, the red twigged lime tree, the *Carolina*lime tree, the striped leaved lime tree, and the *American*black lime tree.

ţ1

1

.

٤)

y)

1

5,

۵.

3

5

i

The three first forts are common in England, and are cultivated in most nurseries, but the Carolina and Ameriean are not yet very common. They are all eafily propagated by layers, which in one year will take good root, and then may be taken off and planted in a nurfery, at four feet diftant row from row, and two feet afunder in the rows. The best time to lay them down, is about Michaelmas, when the leaves begin to fall, that they may take root before the frost comes on ; it is likewife much the best to remove them in autumn. They may remain here five years, and the large fide fhoots must be pruned off, to cause them to advance in height, but the small twigs must not be pruned off from the ftems, because they are necessary to retain the fap for the augmentation of their trunks. If the foil be a fat loam, they will in that time be large enough to plant where they are to remain. The timber of the lime tree is used by carvers, because it is a light foft wood ; as also by architects for framing models of their buildings ; not to mention the turners, who make bowls and diffies therewith.

With regard to their medicinal virtues, the flowers' are faid to be good in all diforders of the head, and may be drank like tea with fugar; Hoffman in particular had a great opinion of them in these diforders. Some make a conferve of them for the fame purpose, and the dose is from half an ounce to an ounce. Some affirm them to be good in the flone and gravel, and to diffolve coagulated blood. The German ephemerides inform us, that the fap of a lime tree, drawn from it a little above the root in February and March, is an excellent anti-epileptick, and the dose is three or four ounces thrice a day, which must be continued for fome time. The berries are aftringent, and good against all forts of harmorrhages and loosenesses; the dose is a dram.

Digitized by Google

401

in powder. Boerbaave recommends a cataplaim of the flowers, as an efficacious remedy against a tenefmus.

No. 1

Ŀ

ú

Z

ŝ

2

à

i

i

ì

t

1

:

ŧ

-

ŝ

TINCTORIUS FLOS, or LUTEOLA, Dyer's weed, or yellow weed, by fome called Weld or Would's has a root generally as thick as a man's little finger, which is fingle. woody, white, and has a very few fibres. The leaves are oblong, narrow, fmooth, and not dentated, though fometimes they are a little curled. Among these there rife stalks to the height of three feet, which are round, hard, fmooth, greenifh, branched, and furnished with leaves that are lefs than those below ; and on the tops there are flowers, composed of three unequal petals, of a beautiful yellowish green colour. These are succeeded by almost round capfulæ, terminated by three points, which contain feveral roundifh, fmall, blackish feeds. It is very common in England, and grows upon dry banks, and on the tops of walls and buildings, almost every where. It is of great use among the dyers, and will grow on the poorest fort of land, provided it- be dry. The feeds fhould be fown in the middle of August. foon after they are ripe; they will come up the first moift weather, and will grow very ftrong the fame autumn, provided they are fown by themfelves. When they are pretty firing, they fhould be howed like turneps, to deftroy the weeds, and to thin them where too The feed must not be too ripe when gathered, thick. for then it will fall out ; nor yet muft the ftalk be under ripe, for then it will be good for nothing. It must be bound in handfulls, and then fet to dry like flax, taking care not to shake out the feed; which is usually fold for ten shillings a bushel, and a gallon will fow an acre. It is used for dying bright, yellow, and lemon colours. A great deal of this is fown in Kent, especially about Canterbury ; and they cultivate it in Languedoc and Normandy, in France, where they boil it in water with allum, and then it will colour white wool yellow, and blue stuffs green. It is faid to be an opening medicine, and to be good against the jaundice and cachexy; but it is feldom or never used with us.

TITHYMALUS, Spurge, is of three kinds, namely, German Spurge, Garden Spurge, and narrow leaved Wood Spurge. Germann

1

۵,

i,

1

ļ

2

z İ)

ż

3 7

à

'n.

E! br

4

÷

s)

č,

t. |

5.

.

۴

j I

d

r,

German SP.URGE, has a thick, white, woody, creeping root, which fends forth feveral stalks, to the height of two or three feet, about as thick as a man's little finger; and are reddifh; branched, and befet with leaves alternately placed ; these are smooth, oblong, green, and perish in the winter with the stalks. The flowers grow on the tops of the branches, and are difposed in umbels. They confift of one fingle leaf or petal, in the shape of a slipper, whose pointal asterward becomes a tricapfular fruit, divided into three cells, each of which contain a roundifh feed full of a white fubitance. It grows upon the fandy banks of rivers, and other marshy places ; it is common in Germany, on the banks of the Rbine, from whence it has its name. It is fometimes in gardens, and flowers in May and June. It is cultivated full of an acrid milky juice, like other plants of this kind.

Garden SPURGE, has a fingle root, with a few capillary fibres, and it fends forth a stalk to the height of two feet, as thick as a man's thumb, which is round, folid, reddifh, branched at the top, and furnished with many leaves three inches long, in the fhape of those of willow; they are of a blueifh-green, fmooth, and foft to the touch. The flowers grow on the tops of the branches, and are each composed of four thick petals, with feveral flender flamina, and roundish formmits; they are encompassed with two pointed yellowish leaves, which feem to be in the room of a cup. They are fueceeded by fruits, that are larger than those of the other plants of this kind, which have three corners, divided into three cells, with a feed in each as big as a peppercorn. The whole plant is full of a milky juice, and it is almost every where cultivated in gardens. It flowers in July, and the feed is ripe in August and September. Beggars make use of this milk very frequently, to diffigure the fkin, in order to move compassion. If the leaves or fruit of this plant are thrown into ponds, it makes the fifh rife to the furface of the water, where they lye as if they were dead ; but they may be recowered fpeedily by changing the water.

Narrow

Narrow leaved WOOD SPURGE, has a flender abrow, woody root, of a reddifh brown colour withouts and white within. It fends forth feveral flalks, fix inches high, which are flender, and furnished withs narrow longifh leaves, of a leagreen colour, and have a flyptic, acrid, bitter tafte. The flowers grow in umbels on the tops of the branches, each of which are composed of four yellow petals, of a grafs green colour. These are succeeded by a green smoothish fruit, divided into three cells, in each of which there is a reddiffic feed, flat on one fide. It is full of a milky juice, like the reft, and it grows in fandy plains, and flowers in May, June, and July; its fruit is ripe fome time after. The juice of all these kinds has a violent purging

The juice of all these kinds has a violent purging quality, infomuch that it is dangerous to take inwardly; though at some places, country people will venture on the seeds. Some use it outwardly to take off warts, and to kill ring-worms, as well as to take off hair; bucit must be used very cautiously.

TORDYLIUM, five SESELI CRETICUM, Hart wort of Gandy, has a flender, fingle, white root, and a falk from a foot and a half to two feet high, which: is channeled, hairy, and branched. The leaves are oblong, roundifh, dentated on the edges, rough, and placed by pairs along one fide, with long stalks. The flowers. grow at the tops of the branches in umbels, and each confifts of five petals or white leaves, disposed like a flower de luce, with as many capillary flamina ; these are fucceeded by roundish, flatted feeds, with a raifed border, which grow together by pairs. It is an annual plant, and perifhes foon after the feeds are brought to perfection. It grows wild in France, particularly about Montpelier, and may be propagated here by feeds, fown in the autumn, foon after they are ripe, and they will grow in any foil or fituation; it flowers in June and July, and the feeds are ripe in August. The root is accounted good for a moist asthma, and to promote expectoration ; but it is of little use with us.

TORMENTILLA SYLVESTRIS, wild Tormentil, or Septfoil, has a root about as thick as a man's finger, which is rough, unequal, fometimes firait, and fome-

times

OF VEGETABLES.

times crooked, of a dark colour without, and reddifh within ; it is a kind of a tubercle, and is furnished with a few fibres. The stalks are flender, weak, hairy, reddifh, and about a foot long, for which reafon they lye on G the ground, and are furrounded with leaves by intervals, z like those of fix leaved grafs, which are hairy, and there 4 is commonly feven leaves at the top of the foot stalk. The flowers confift of four yellow petals placed like a 5 role, supported by a calyx or cup in the form of a bason. ġ, divided into eight parts, of which four are large, and đ four are fmall, and are placed alternately, with fixteen š ftamina in the middle. These are succeeded by a glo-51 bular fruit, which contains many feeds that are fmall . and oblong. It grows almost every where, in dry pastures and commons, in most parts of England; it 2 flowers in May, June, and July, and the root is prin-2 cipally used in medicine. But the Tormentil of the Alos is much more valuable, on account of its superior á virtues. The root has a flyptic, very bitter tafte, and نيرًا بور is accounted good to ftop loofeneffes, hæmorrhages, and the like. The dofe in decoction is from half an ounce η. to an ounce, and in powder from half a dram to a dram. The fame powder fprinkled on ulcers, will dry 1 and heal them, as fome affirm. 4

TRAGOPOGON, Geat's-beard, has a root as thick as a man's little finger, which is long, firait, tender, milky, and has a fweetifh tafte. The stalk is about two feet high, and is round, hollow within, branched, and furnished with several leaves, that refemble those of leeks. The flowers grow at the top of the flak and branches, which are femiflosculous, confisting of many half floretts, of a blueish purple colour, and are fupported by a pretty long calyx, divided into feveral parts to the very bottom; and there are five fmall ftamina in the middle. These are succeeded by several channeled, round, oblong feeds, that are rough, afh coloured, and turn blackish when they are full ripe. The pappous feeds, while they are contained in the calyx, refemble the beard of a goat, from whence this plant had its name.

3

J

d

ς.,

11 11 11

::1

¢.

¢.

ń.

33

; \$'

Ø'

The

ŕ

ú

2

5

X

ì

2

i

ù

3

į

3

3

1

2

ę

2

3

i,

.

1

2

3

ł

ę

č,

2

Ľ,

ŝ

į

ą

ł

ť

à

ź

1

of

The greater yellow GOATS BEARD, has a root about as thick as a man's little finger, and fomewhat refembles that of a parinip; it is blackish without, whitish within, and has a fweetish taste. The stalk grows to the height of a foot and a half, and is round, folid. Imooth, and furnished with oblong narrow pointed leaves, refembling those of faffron, only they are broader, and divided into branches. The flowers are femifloretts, refeabling those of dandelyon, and they are fuftained by a pretty long fingle calyx, cloven to the very bottom, not unlike baluftres. These are fucceeded by feveral oblong, channeled, rough, afh-coloured, hairy feeds. It grows almost every where in meadows, and in moist fat pastures; it flowers in May and June, and when the feeds are ripe, they are blown off, and carried in the air like those of dandelyon. This is the most valuable fort, and is greatly valued by fome, who pretend it is better than alparagus. These plants are propagated from feeds, and may be fown in the fpring, in an open fpot of ground, in rows about nine or ten inches diftant; and when the plants are come up, they fhould be howed out, leaving them about fix inches distant in the rows. If the foil be light, and not too dry, they will become large plants before winter, and the roots will be fit for use; but they should be taken up before the leaves are decayed. This plant by fome is called Sal/afy. The roots are opening, pectoral, and have much the fame virtues as Scorzonera; but they are more used for aliment than physick.

TRIBULUS, CALTROPS, or Land Cattrop, with a shick leaf and prickly fruit, has a long, fingle, white, fibrous root, with feveral fmall flaks, about fix inches high, which lye upon the earth, and are round, knotty, hairy, reddifh, and divided into feveral branches. The leaves are winged, or ranged by pairs along one fide, like those of chich-peas or lentiles, and are fomewhat hairy. The flowers are supported by pretty long foot stalks, and confift of five petals or yellow leaves, in the form of a role, with ten imall flamina, which are fucceeded by hard fruit, armed with feveral fharp prickles, refembling a crofs of the knight of Malta. Each

407

f thefe has five cells, containing oblong feeds. It grows almost every where in hot countries, such as Spain, Italy, and the fouth parts of France, where it is very troublefome to the feet of cattle. It begins to appear about the latter end of May, and flowers and feeds in July and August; however though it be fo rough and prickly, yet it is eaten by affes. There are fome who raise these plants from seed in England, only for the sake of variety. The medicinal uses of this plant are inconfiderable; however it is faid by fome to be detergent, opening, and proper to ftop fluxes of the belly. The dofe of the fruit in powder, is from a scruple to a .dram.

1

Ŧ.

ċ

Ы.

z)

3

<u>ر</u>

5

x

1

Ŕ

2

n

ŀ

i)

7

3

i

:|

: 1

TRIBULUS AQUATICUS, Water Caltrops, has a very long root, furnished by intervals with a great number of fibres, which partly float on the water, and are partly fixed to the mud in the bottom of it. When full grown, its broad leaves lye on the furface of the water, and are almost like those of poplar, only they are fhorter, and are fomewhat like a rhomboides; they have feveral nerves, are a little crenated on the edges, are fmooth above, and wrinkled below. They have likewife long, thick, wood stalks. The flowers are fmall, and are composed of four white petals, with as many stamina; they are supported by a calyx, divided into four parts, and are supported by roundish, folid, green, downy pedicles. These are succeeded by fruit like chefnuts, each of which are armed with four thick. hard, greyifh thorns, covered by a membrane, which will part from it. It afterwards becomes almost as black as jet, and is also smooth and polished. It contains only one cell, in which there is a hard white kernel in the shape of a heart, which is fit to eat, and has fomeswhat of the shape of a chesnut. This plant grows fometimes in rivers; but most commonly in ponds, lakes, and ditches; it flowers in June, and the fruit is ripe in the autumn. The fruit is only in use, which is cooling, astringent, and proper to stop fluxes of the belly, and hæmorrhages. Both the ancients and moderns have ufed it as an aliment, especially after they are roafted like chelnuts. In some parts of Frame they make soup with

with them, or rather pap, which they give their children; who are very fond of it.

TRIFOLIUM PRATENSE PURPUREUM, comenon meadow Trefoil, with a purple flower, by many called Honey-fuckles. It has a root as thick as a man's little finger, which is long, round, woody, creeping, and fibrous. The stalks rife to the height of a foot, or a foot and a half, and are flender, channeled, and fometimes a little hairy. The leaves are partly round, and partly oblong, and there are three together on the fame pedicle, marked on the middle with a fpot, in the Thape of a heart, which is fometimes white, and fometimes dark. The flowers grow on the tops of the stalks, and have fome refemblance to the papilionaceous kind, and are disposed in a head, or short thick spike, of a purplish colour, and have a juice at the bottom, as fweet as honey. They are fucceeded by fmall round capfulæ, each of which is inclosed in a calyx, and terminated by a long pedicle, containing a feed, in the shape of a kidney. It grows almost every where in meadows and pasture grounds, flowering in April, May and June. The flowers are greatly fought after by bees, and the whole herb is excellent for feeding cattle. Chomel affirms, that the diffilled water of this plant, is good for diforders of the eyes, and more especially to allay their inflammation.

TRIFOLIUM ARVENSE HUMILE SPICATUM, Hare's-foot Trefoil, is the lagopus of the fhops, and has a flender, woody, fibrous, crooked, white, annual root. It has feveral flaks, about fix inches high, which are branched, flrait, and covered with a whitifh down. Three leaves are placed together upon one pedicle, which are fmaller than common trefoil, and are downy and whitifh, efpecially upon the back. The flowers are fmall, whitifh, papilionaceous, and fixed on hairy foft fpikes, which refemble the feet of a hare; the colour is afh, inclining to purple. Thefe are fucceeded by capfulæ, inclofed in a calyx, each of which contain a reddifh feed like a fmall kidney. It grows every where in fields among corn, and it flowers towards the latter end of the fummer, continuing till October. Moft phyficians

409

ficians affirm it is good to ftop loofeneffes of every kindif the decoction be used as common drink. If the feed happens to be mixed with wheat, it turns the bread of a reddifh colour, which had like to have caused an infurrection at *Paris*; for the people affirmed the bakers mixed blood with their flower.

27 27

3)

2

1

ă

TRIFOLIUM BITUMINOSUM, Trefoil, fmelling of bitumen, has a hard, woody, fibrous root, which fends forth a fort of a fhrub, about two feet high ; it is divided into feveral fliff channeled branches, which are fometimes whitish, and fometimes blackish. The leaves grow by three's on the fame pedicle, which when they first appear, are round, but grow longer afterwards, and terminate in a sharp point ; they are whitish, downy, clammy to the touch, and have the fmell of bitumen. The flowers grow on the tops of the flem and branches, and are disposed like an oblong head, and are papilionaceous, and of a violet purple colour; they are fultained by an oblong, channeled, hairy calyx. These are fucceeded by a capfula inclosed by the calyx, which contain a rough, pointed, blackish feed, of the fame fmell with the reft of the plant. It grows in Candia, Sicily, Languedoc, and the fouth parts of France, on flony hills near the fea, and is planted here in fome gardens for the fake of variety, and kept in pots. It flowers in June, July, and August, and will stand the winter, if it is not too fevere. The juice of this plant has been counted a fecret against a cancer, and it has been given from one spoonful to two, for that purpole. Sylvius affirms, that the oil of the feed, drawn by expression, is good against the pally, if the parts affected are anointed with it.

TRIFOLIUM HÆMORRHOIDALE, pile Trefoil, has a long, hard, woody root, with several stalks, which rife to the height of two or three feet, which are flender, round, hairy, woody, branched, and make a kind of a fhrub, furnished with downy, whitish, and roundish leaves, which grow by three's on the same pedicle, and have two appendages at the base. The flowers grow at the extremities of the stems and branches, and are papilionaceous, whitish, and supported by a hairy calyx. Vol. VI. T

These are succeeded by short thickish pods, of a reddish brown colour, that contain a round small seed, yellowish within. It grows in the south parts of *France*, and flowers in the summer. It has been counted an excellent remedy for the piles; and some affirm a dram or two of these leaves, given in powder, has been of great service in that disorder. [

¥

Bird's-foot Trefoil, is the Trifolium Corniculatum of the fhops, and has a woody, long, black root, divided into feveral branches, and furnished with fibres. The italks are flender, branched, and lye upon the earth ; and the leaves are placed as in other trefoils, only there are two fmall flat leaves grow underneath them, which are fometimes fmooth, and fometimes a little hairy. The flowers are papilionaceous, grow in umbels, and are fometimes yellow, and fometimes greenish, like those of broom; the calyx is dentated, and in the shape of a horn; the flowers are succeeded by capsula or pods, in the form of a cylinder, which contain feveral roundish feeds, in the shape of kidneys. It grows almost every where, and flowers in fummer ; it is exceeding good for cattle, but it is of little use in medicine.

TRITICUM, Wheat, has a flender root, furnished with feveral small fibres, which fends forth feveral stalks. to the height of four or five feet; it is pretty thick, firait, knotted, hollow within, and has a few long narrow leaves, like those of dog grafs. On the tops there are long fpikes, without beards, from whence the flowers proceed in fmall bunches, which are composed of three capillary, forked stamina, with a fcaly calyx or flower cup; these are succeeded by oval oblong grains, blunt at both ends, convex on the back, furrowed on the other fide, of a yellowish colour without, and white within, and contain a farinaceous fubstance, proper for making of bread. The outfide is covered with a fort of shell, which is the bran, and was formerly the calyx of the flower. This is properly the white or red wheat without awns. Besides which there is the red wheat, called in fome places Kentifb wheat ; white wheat, redcared bearded wheat, cone wheat, grey wheat, called in fome

fome places duck-bill wheat and grey pollard, polonian wheat; many-eared wheat; fummer wheat; naked barley a fort of wheat; fix rowed wheat; long grained wheat; and white eared wheat. The fix first forts grow in divers parts of England; but the cone wheat is generally preferred, because it has a larger ear, and a fuller grain than any other fort ; but fome of these will thrive best in strong land, and others on a light foil; infomuch that it requires a fkilful farmer to know which is best for particular kinds of land. The use of wheat is univerfal, it making better bread than any other corn ; however in the eastern countries they generally prefer rice thereto, for which reason it is not fo much cultivated there, especially among the original inhabitants. Though this corn is of fuch great ofe as an aliment, it is of little fervice as a medicine, except as a cataplaim, which is made with the crumb of bread foaked in milk, with the yelks of eggs and faffron; this is good to eafe painful fwellings, and to abate inflammations. Some put the grains of wheat between two hot plates of iron, and express a fort of oil, which some affirm to be excellent against ring worms, and for healing chaps in the Ikin.

1.)

à

ļ

f

TULIPA, Tulip, is a lilly flower, generally composed of fix petals or leaves, in the shape of a pitcher : the pointal which arifes from the middle of the flower, is furrounded with a stamina, which afterwards becomes an oblong fruit, that opens into three parts, and is divided into three cells, full of plain feeds, which reft one upon another, in a double row. The root is coated, bulbous, and there are fibres on the lower part. There are feveral kinds of tulips, which there is no occasion to enumerate, because they may all be seen in one good garden; but the best have a tall strong slem. The flower confifts of fix leaves, three within and three without, and the former should be longer than the latter. Their bottoms should be proportioned to the top, and their upper parts should be rounded off, and not terminate in a point. These leaves when open, should neither turn inward nor bend outward, but T 2 rather

rather fland erect; and the flower fhould be of a middling fize, neither too large nor too fmall; the flripes fhould be fmall and regular, arifing from the bottom of the flower, and the chives fhould not be yellow, but of a brown colour. They generally divide tulips into three claffes, namely, the early flowers, the middling flowers, and the late flowers; but they are beft divided into early and late, of which the laft are the beft.

TUSSILAGO, Colt's-foot, has a long, flender, whitifh, tender root, with stalks that rife to the height of a foot. which are hollow within, downy, reddifh, and covered with leaves without pedicles. These are long pointed, placed alternately, and at the top of the stalk there is a beautiful, round, radiated flower, refembling that of dandelion, with the capillary stamina, with cylindrick fummits. These are succeeded by several oblong, flattifh, downy feeds. After the flowers, the other leaves appear, which are very large, a little angular, almost round, green above, and whitish and downy below. It grows in moift places, and on the borders of rivers, brooks, ponds, and ditches. It flowers about the end of *February* and beginning of March. Colt's-foot is an excellent medicine to abate the sharpness of the humours; to clease ulcers of the breast, and to facilitate expectoration. There are a great many that are troubled with the althma, who cut the leaves fmall, and mix it with tobacco for imoking; and they affirm they find great benefit thereby. Both the flowers and leaves are used in pectoral decoctions; and Dr. Hillary, phylician to the king of Pruffia, cured a great many confumptive children, by feeding them with colt's foot leaves, boiled and buttered.

VALERIANA HORTENSIS, Garden Valerian, has a wrinkled root, of the thickness of a man's thumb, placed near the furface of the ground, and furnished with thick fibres, of a yellowish or brown colour, that cross each other. The stalks are about three feet high, and are slender, round, smooth, hollow, branched, and furnished with leaves, placed opposite to each other by

pairs.

1

ĥ

Ċ0

10

pairs. Some are fmooth and entire, while others are cut deeply on each fide, and generally terminate in a roundish point. The flowers grow in umbels on the tops of the stalks and branches, and are of a purplish white colour, with a fweet fmell, not unlike that of Jessamine. Each of these is a fort of a tube, cut into five parts, with a few stamina that have roundish fum-They are fucceeded by flattifh, oblong, tufted mits. feeds. It is cultivated in gardens, and propagated by parting the roots, either in the fpring or autumn ; they should be planted on beds of fresh, dry earth, about eight or ten inches afunder; and they should be watered till they have taken root. The wild fort is now univerfally preferred for medicinal uses, and therefore no more need be faid of this.

s!

5

.j)

111 114

.

b

d

1

VALERIANA SYLVESTRIS MAJOR, Great wild Valerian, has a fibrous, whitish, streaked root, with a very ftrong fmell when it is dry, and an aromatick taffe, the stalks rife to the height of a man, and are ftrait, flender, hollow, channeled, knotty, anda little hairy. The leaves refemble those of garden Valerian, but are more divided, greener, and dentated on the edges; they are a little hairy or downy underneath, and have feveral large veins. The flowers grow on the tops of the stalks and branches in umbels, and are of a purplish white colour, like those of the former; the feeds are tufted or downy, for which reafon they are carried about with the wind. It generally grows on dry chalky land, and fhady places, in divers parts of England. It flowers in May and June, and the feed is ripe in July. The root is bitter, ftyptick, and has a difagreeable aromatick fmell; it is much cried up against the epilepfy, and is fudorifick as well as hyfterick ; it is accounted good for the afthma, and all kinds of convultive diforders. It may be taken in decoction, from two drams to half an ounce. and in substance, from one dram to two. It should be taken up in the fpring, before the branches appear; and it should be dried in the shade. Several physicians affirm, they have cured a great number of epileptick T 3 patients

•

patients with the powder of the root of wild valerian, given to a dram in a fudorifick decostion, and continued for some time.

ļ

t

i

1

1

1

ł

VALERIANELLA, Corn Sallad, or Lambs Lettuce. has a flender. fibrous, or white annual root, and a falk about fix inches high, which is weak, round, crooked, channeled, hollowed, knotted, branched, and commonly lies upon the ground. It is generally fubdivided into two at each knot, and these last into feveral branches. The leaves are oblong, pretty thick, foft, tender, and placed by pairs, oppofite to each other; the colour is of a pale green, fome of which are entire, others crenated, without pedicles. The flowers grow on the tops of the branches, and are fmall, and of a purplish white colour, and placed in umbels; they each confift of one leaf or petal, cut into five parts, and they are fucceeded by roundifh, flattifh, wrinkled, whitifh roots, which fall off before they come to maturity. It grows almost every where, among corn, and is cultivated in gardens, where it is fown in September for winter use. It is usually mixed with fallads, and will continue till April. It is faid to have the virtue of lettuce, and to be good in the rheumatifm, fcurvy, and gout; but it is now never used for these purposes. Young lambs are faid to be fond. of it.

VERATRUM, White Hellebore, is of two forts, one of which has a greenifh flower, and the other a dark red flower. The former of these has been mentioned before, in the first part; but as nothing was faid of the cultivation, I shall take notice of it here; especially as they are accounted pretty ornaments for gardens. They should be fet on the open borders of a pleasure garden, and from each head of the root, a flower flem will be produced, about three feet high, with a spike of flowers about a foot long at the top; the red flowers are generally preferred, on account of their colour. They may be propagated by parting the roots, either in the autumn or the middle of March, just before they begin to shoot; and they should be planted

planted in a light, rich, fresh soil, in which they will thrive exceeding well. They should not be removed above once in three or sour years, by which time they will be very strong, and afford many heads to be taken off.

ŧ.

ТĔ.

)

Ζ,

14

z,

1

2)

i

à

₫

ż

3

1

í

Ż,

2

VERBASCUM, Great white Mullein, has a fingle, oblong, thickifh, woody, white root, with a few fibres; and the stalk rifes to the height of four or five feet, which is thick, round, hard, woody, and crooked, with a fort of wool or cotton; the leaves are long, broad, woody, white on both fides, partly lying upon the ground, and partly fixed to the stalk alternately, with appendages, which feem to render the falk winged. The flower confifts of one leaf, in a circular form, which are cut into five parts; they are joined to each other by a tuft, and are yellow, and furround the greatest part of the tops of the stalk and branches. These are succeeded by fruits, or oval shells, terminating in a point, divided into two cells, which contain a great number of imall, angular, blackish feeds. It grows in fandy places, by the fide of highways, and fometimes on walls; it flowers in June, July, and Auguft.

VERBASCUM FOEMINA FLORE LUTEO MAGNO, Female Mullein, with a large yellow flower, has a long, thick, woody, fingle, white root, like the former, and the stalk rifes to the height of four or five feet. It is thick, round, hard, downy, and a little bran-The leaves are round, long, foft, downy, and ehed. white ; and the flowers are like the former, having five stamina in the middle, with purple fummits. Thefe are fucceeded by almost round capfulx, pointed at the end, and divided into two cells, which contain feveral angular brownish feeds. This plant grows in the fame places as the former, and flowers the fecond year after it is come up towards the end of fummer, and in Augufl. They both may be cultivated in gardens, by fowing the feeds in August, on a bed of light earth, and in an open fituation; but it is feldom done unless in botanick gardens, for variety. They both have T the

the fame virtues, and the leaves and flowers are in ufe. The decoction has been given in diforders of the throat, in violent coughs, in the bloody flux, the gripes, and a tenefmus. The flowers are faid to be pectoral, proper to abate the acrimony of the humours, to cure itching of the fkin, and the outward and inward piles.

VÉRBENA COMMUNIS CŒRULEO FLORE. common Vervain with a blue flower, has an oblong root, not quite fo thick as a man's little finger, which is white, and has a few fibres. The ftalks rife to the height of a foot and a half, and are square, hard, a little downy, fometimes reddifh, and branched. The leaves are oblong, placed opposite to each other by pairs, deeply cut, wrinkled, and of a deeper green colour above than below, with a bitter difagreeable The flowers grow in long fpikes, and are latafte. biated, having the upper lip upright, and commonly divided into two; but the under lip is cut into three parts, fo that at first fight it appears like a flower. with five leaves, with four little stamina in the middle, and crooked fummits. The calyx or flower-cup, which is like a horn, afterwards becomes a capfula full of four flender oblong feeds. It grows by the fides of highways, near towns and villages, against hedges and walls, and flowers in June, July, and August. It is feldom cultivated in gardens, because it is fo common, and it is looked upon as vulnerary and detergent. It is affirmed the infusion of it in wine for a night, is good to cure the jaundice, if four ounces are taken in a morning, for fome time ; like. wife it may be drank in the manner of tea. It was formerly accounted good against agues, but now we have much better medicines; though fome pretend that the bark taken in a decoction of it. is rendered much better thereby.

VERBESINA, *free* EUPATORIUM CANNABI-NUM FOEMINA, *water hemp Agrimony*, has a white fibrous root, of an aromatick taffe, which finds forth ftalks to the height of a foot and a half, or two feet. Thef: 2)

ŝ

21

:,

i

h.

z

1, 1

4

Ŋ, 1

3

: ł

i

<u>ا</u> ا

: |

417

These are round, hard, a little downy, reddifb, and branched. The leaves are placed opposite to each other, by pairs along the stalks, and are dentated, fmooth, and generally divided into from three to five parts, furrounded the stalk by a pretty broad base ; the taffe is a little acrid. The flowers grow on the tops of the stalks and branches, and each confist of many floretts, of a yellow greenish colour, with black ftreaks; and in the middle there are five capillary ftamina, with cylindrick fummits. Thefe are fucceeded by oblong, flattish, angular, reddish feeds, terminating in points, somewhat like a trident, which flick to the garments of those that pass by them. It grows in moist marshy places, in ditches, and on the fides of brooks; it flowers in August and September. It has been long looked upon as vulnerary and aperient, and decoctions of it have been given against internal ulcers, particularly of the lungs. Linnaus informs us, it is made use of to dye wool yellow.

VERONICA MAS, common male Speedwell, or Fluellin, has a slender, fibrous, spreading root, which fends forth feveral slender, long, round, knotted, hairy stalks, generally lying on the surface of the ground. The leaves grow by pairs opposite to each other, and are like those of a plumb-tree; they are downy, and dentated on the edges, and have a bitter acrid taffe. The flowers are disposed in spikes, like those of germander, and are fmall and blueish, and fometimes white, with two flamina of the fame colour, with oblong fummits. The flower confifts of one leaf, which is divided into four parts, and is fucceeded by a fruit in the shape of a heart, divided into two cells, which contains feveral round blackish feeds. It grows wild in the woods, and other fhady places in divers parts of England.

VERONICA PRATENSIS, meadow Speedwell, has a flender, long, creeping, fibrous, woody root, with feveral branches that generally lye on the ground ; these are round, downy, woody; and near a foot long, furnished with leaves that fland opposite to each other by

by pairs, and the flowers grow on the flems, which are divided towards the extremities, that have two or three branches; they are blue, and disposed in spikes, and they are fucceeded by capfulæ like the former: It grows in meadows along the fides of rivers and brooks, and flowers in *May* and *June*.

VERONICA ROTUNDI FOLIA, round leaved Speedwell, has a flender, fibrous, creeping root, with feveral flalks, above a fpan in height, which are flender, round, hairy, weak, furnished with leaves opposite each other, with scarce any pedicles. They are dentated on the edges, of a pretty deep green, roundish, wrinkled, and like those of the true Germander. The flowers are like those of the two former, and the capfulæ are full of small round feeds. It is common in pastures, in woods, and by the fides of hedges ; it flowers in April and May, and the whole plant has a bitterish taste.

VERONICA SPICATA ANGUSTI FOLIA, narrow leaved fpiked Speedwell, has a fibrous oblique root, and a ftalk generally fix inches high, and upwards ; it is generally fingle, and furnished by intervals, with leaves that are more narrow and pointed than the common fpeedwell. They are flightly crenated, hairy, and a little bigger near the root. The ftalk is terminated by a fpike of blue flowers, which are fucceeded by capfulz in the fhape of a heart, divided into two cells, which contain fmall roundifh feeds. It grows in woods and dry paffures, and flowers in July and August.

The first of these is most in use, and is faid to have fo many virtues, that an entire treatile would foarce contain them; befides which, fome call it the European tea. In general it is fudorifick, vulnerary, detergent, diuretick, and proper to cleanse the lungs. Hence it is good in a dry cough, the atthma, ulcers of the lungs, and spitting of blood. It opens obfructions of the bowels, promotes the circulation of the blood and humours, and is excellent in the gravel.

It

It is best used in the manner of tea, and is very good in sleepy diforders.

ć.

5

s)

ŀ

Ű.

, **†**

أنز

2)

ÇL,

. . . .

į,

5

i I

۵

5

1

1

at

j, t

č• |

ŗ.,

31

¢.

VIBURNUM, the way faring, or pliant Mealy-tree, has a root which runs along the furface of the earth, and fends forth a fhrub, fometimes as tall as a tree, which generally extends more in breadth than in height; and the wood is fungous and pithy. The branches are about three or four feet in length, and as shick as one's finger, and proper to tye up faggots, and the like. The bark is whitish, and as it were mealy, and the leaves are like those of the alder-tree, but hairy, broad, thick, whitish, and crenated on the edges; and they grow reddish when they are ready to fall off, and have an astringent taste. The flowers grow at the ends of the branches, and each confift of one leaf, which is divided into five parts, expanded in a circular order, and there are five whitish Ramina, with roundifh fummits. These are fucceeded by foft, roundifh, or almost oval berries, that are green at first, then red, and afterwards black ; they have a fweetish, clammy, disagreeable taste, containing each a fingle, stony, compressed, furrowed feed. It grows very common in divers parts of England, particularly in Kent, upon the dry chalky hills, near Gravefend and Rochefter. It is proper for wilderneffes, where it may be placed among other flowering trees; for it will make a very agreeable variety. It may be propagated by taking young plants from woods and hedges where there are many old trees growing. It flowers in fummer, either fooner or later, according to the temperature of the foil and air, and the berries generally grow red in July, and are ripe in August and September. The roots macerated in the ground, and then pounded, will make a good fort of bird-lime; but as for its medicinal uses, they are not worth taking notice of.

VICIA SA'TIVA VULGARIS SEMINE NI-GRO, the common Vetch or Taxe, has a flender, fibrous, annual root, with branches two feet high, that are angular, furrowed, hairy, and hollow. The leaves are oblong, narrow, largeft at the end, hairy, and

ten

419

ten or twelve of them are placed by pairs on one fide of the ftalk, terminated as it were with a hand or clafper, with which it lays hold on any thing next it, in order to fupport itfelf. The flowers are papilionacecus, and of a purple or blueish colour, supported by a fort of a dentated horn, which are succeeded by hairy flattish pods, full of almost round or blackish feeds. This plant is fowed in the fields almost all over *Europe*, and in fome places they mix it with the provender of cattle, especially when grass is fcarce. It flowers in May and June, and the grain is ripe towards the end of August, or beginning of September.

VICIA ALBA, the white Vetch, or Tare, has feveral neat flaks, about two feet high, which are angular and hollow. The leaves vary greatly, for fome are long and narrow, and others almost round. The flowers are either fingle or double, and are variegated with purple fpots. The pods are full of whitish feeds, or a little purplish, and are of the fize of green peas. It is cultivated in fields like the former, and the meal of both are used in medicine, particularly in cataplass defigned to fosten, refolve, and ftrengthen. In fcarce years, fome poor people have been obliged to make bread of it, particularly in 1709; bnt it is hard of digestion, and fits very heavy on the stomach. It is generally known that pigeons are very fond of this grain.

VIOLA MARTIA PURPUREA FLORE SIM-PLICE ODORO, common purple Violet, with a fweet fcented flower, has a fibrows, thick, or tufted root, that fends forth many almost round leaves, as large as mallows, dentated on the edges, green, and having long pedicles. From among these there arise flender pedicles, which have each a small flower, of a purplish blue colour, with a very agreeable smell. It is composed of five small leaves, with as many stamina, that have blunt summits, and a kind of a spur; the calyx or flower-cup is divided at the base into five parts. When the flower is gone, there remains a capfula, or oval shell, which when ripe, opens into three parts, !

18

1

1

b

Pib

12

· d

ł

d

ĵ

k

۲

:1

in which are almost round feeds, connected to the fides of the shell, which are less than those of coriander, and of a whitish colour. It grows in shady places, in ditches, and the fides of hedges, as well as against walls, where they readily multiply with their long creeping filaments, which take root here and there. They flower in March, and do not lofe their leaves, nor the verdure, during the winter. Befides this, there are no lefs than twenty eight forts, and about eight of them ferve to make agreeable varieties in gardens and wilderneffes, by placing them under hedges, and other shady places. They may be easily propagated, by parting the roots ; the best time for which is about Michaelmas. The leaves and flowers are used in medicine, and fometimes the roots, the infusion, three ounces of which will purge upwards and downwards. The flowers are a little purgative, and we are affured, that a dram of their powder, taken in water-gruel, is a good purge; but they are generally used to make a fyrup of, which when well managed, is of a very fine colour.

VIÕRNA, five CLEMATIS SYLVESTRIS LA-TIFOLIA, Traveller's Joy, has a thick, fibrous, reddifh root, with stalks in the manner of a vine, which are thick, rough, angular, flexible, branched, creeping, and a little hairy when they are young, but afterwards reddifh, and they lay hold on the plants and fhrubs that are near them, and the leaves are like those of bitter-fweet, being fometimes entire, fometimes crenated, and generally are five in number on one fide, with an acrid tafte. The flowers grow in bunches, or in umbels, and each of them are composed of four leaves or petals, in the form of a role. but without a calyx. However in the middle there are hairy stamina or threads, supported by white pe-These are succeeded by hairy fruits, gathered dicles. into a little head, which are formed by bearded and downy feeds. It grows almost every where on the fides of highways, and on hedges; it flowers in July, and the fruit continues till winter, the stalks and

and branches are flexible, and are made use of for bands to tye up faggots, and the like. All authors ancient and modern, agree, that this plant has a caustick quality, for which reason it is proper to cleanse old ulcers; and fome pretend it will cure the leprofy, applied outwardly; but this may be doubted. Some give it inwardly as a purge in the dropfy; but it is far from being fafe. The *French* call it the *Beggar's-plant*, because they fometimes use it to make fores in their fkin, in order to excite charity.

VIPERINA, five ECHIUM VULGARE, Vipee's Buglos, has a long woody root, as thick as one's thumb, with a stalk that grows to the height of two feet, that is hairy, round, firm, green, fpotted with black like the fkin of a ferpent, and generally bent back at the end, like the tail of a fcorpion. The leaves are oblong, narrow, hairy, rough, and have a faintish tafte.¹ The stalk is furnished from the bottom to the top with flowers, in the fhape of a funnel, cut on the edges into five unequal parts, and of a fine blue colour, fomewhat inclining to purple. There are five purplish stamina, with oblong summits, and a white piftil. The calyx or flower-cup, is cloven to the bottom, into five long, narrow, pointed, furrowed parts. The flower is fucceeded by four wrinkled feeds, joined together, like the head of a viper. It grows in the fields, in places exposed to the fun, and by the fides of highways, as well as on walls ; it flowers in June and July, and continues green all the winter. The ancients affirm that this plant is good against the bites of vipers, and other venomous beafts ; but it is not to be depended upon for this purpose. The real virtues are much the fame as those of buglofs.

i

VIRGA AUREA VULGARIS LATIFOLIA, the common or broad-leaved Golden Rod, has a knotted, creeping, brown root, with whitifh fibres, and an aromatic tafte. The falk or falks rife to the height of three feet, and are firait, firm, round, furrowed, a fittle hairy, and full of pith. The leaves are oblong, alternate, pointed, hairy, dentated on the edges, and of

423

of a blackifh green. The flowers are radiated, and are difpoled like a fpike along the flalk; they are of a yellow or gold colour, and have a calyx or cup, compoled of feveral leaves like fcales, with five capillary flamina, and cylindrick fummits. These are fucceeded by oblong, tufted feeds, and with a downy, fubflance, adhering thereto. It grows commonly in woods, among briars, and in mountainous, flady, moift places; it flowers in *June* and *July*. Some botanifts obferve, that this plant is fometimes whole or entire on the edges, that is, not dentated.

加加

đ

Å

.9

ŝ

k

'n

Ŀ.

Ċ

51

1

đ

P.

1

ß

1

s,

đ

2

Ø

d

s,

VIRGA AUREA MAJOR, the greater Golden Rod, has a long, oblique, fibrous root, with a flatk that rifes to the height of three feet, or upwards, which is firait, round, firm, furrowed, and full of a fpungy pith. The leaves are much larger than the former, and are always dentated on the edges. The flowers are radiated, of a gold colour, and grow like a fpike on the top of the flatk. It is in general like the former. They are both vulnerary herbs, and may be taken in the manner of tea in difficulty of making water, in the gravel and flone cholick. Hoffman and Boerbaave affirm, they have given it with fuccefs, in obfructions of the vifcera, and the beginning of dropfies, and it has been effeemed as a fecret by fome for that purpole.

VISCUM, Mifletoe, has a green root, which is a little woody in the middle, and it fends forth a fhrub about two feet high. The ftalks are fometimes as thick as one's little finger, which are woody, heavy, compact, knotted, and of a brownifh-green colour. There are a great number of flexible woody branches. The leaves are placed by pairs opposite to each other, and are oblong, thick, flefhy, hard, and pretty like thofe of the great box, but longer, and roundish at the end. The flower confists of one leaf, in the form of a bafon, and is generally divided into four parts, and befet with tubercles or warts. The ovary of the female flowers is placed in a remote part of the plant from the male flowers, and confit of four florter

thorter leaves; thefe turn to a round berry, full of a clammy fubstance, in which is a plain feed, in the shape of a heart. It grows almost on all kinds of trees, according to fome authors, and is always produced from feeds, which will not grow in the ground like other plants. It is supposed that the misletoe bird or thrush, which feeds upon the berries of this plant in winter, when they are ripe, often carries the feeds from tree to tree; for the clammy part of the berry, which immediately furrounds the feed, fometimes flicks faft to the outer part of the bill of the bird, which to difengage himfelf from, he strikes it against the branches of a neighbouring tree, and by that means leaves the feeds, flicking on the bark, which will grow in the fucceeding winter. It may be propagated by art in the fame manner. The trees that it is found commonly upon, are the apple and ash; and it is sometimes, though but feldom, found on the oak ; which perhaps is the reason why that is cried up more than others; but without any sufficient reason. Misletoe is looked upon as a great anti-epileptick, and the dose of it in powder, is from one dram to two. Simon Pauli cries it up against the pleurify, and orders one dram of the powder, in four ounces of barley. water. The berries purge upwards and downwards, with great violence, and therefore are not proper to be given inwardly.

÷

1

VISNAGA, Spanif Pick-tooth, has a fibrous annual root, and a stalk two feet high, which is furrowed, strait, smooth, and refembles that of dill. The leaves are cut into large jags, and are as smooth as those of the wild parsnip. The flowers grow at the top of the stalk in whitis umbels, and are in the shape of a rose, with four leaves, in the form of a heart, and as many capillary stamina. These are succeeded by oval fruits, divided into two parts, which contain two feeds, that are convex on one fide, and stat on the other, with furrows thereon. This plant grows wild in hot countries, and is planted here in gardens. The feeds must be fown early in the autumn, that

.

è

j

ŝ

ŋ

ĸ٠

ģ)

iľ.

a i

. 0,

13

ŗ

:, | :) |

,

2

1

that the plants may obtain firength before the froft. The *Spaniards* cut the dried falks into tooth picks, from whence this plant has its name. It is of no use in medicine.

VITIS, the Vine, has a long woody root, which fends forth a climbing tree, that has claspers at the joints, by which it fastens itself to whatever plant ftands near it. The leaves are large, broad, and almost round, green, shining, cut, a little rough to the touch, and of an aftringent talte. The flowers are fmall, and are each composed of five petals or leaves, disposed in a circular order. They are of a yellowifh colour, with as many upright flamina. When the flowers are fallen, they are fucceeded by round or oval berries, lying close to each other in clusters, which are green at first, and as they ripen become white, red, or black, and are full of a pleafant juice. This tree is cultivated in most hot and temperate countries, and it rifes to a great height in a fhort time, if it be left to itfelf, and not cut. In fome countries it will rife to the top of the highest trees, and they have stems of a prodigious fize. It flowers in the fummer, and the grapes are ripe in autumn.

All forts of vines are propagated either from layers or cuttings, the former of which is greatly practifed in *England*, but the latter is preferred by Mr. *Millar*; and he lays down excellent rules for the cultivation of vines, which we have not room to take notice of here, and therefore must refer to his gardiner's dictionary.

The buds of the vine, as well as the leaves, are aftringent, and they were used by the ancients to cure loosenesses, at present there are some in *France* that give the powder of the green leaves, dried in the fhade, to a dram, for the same purposes. The use of the grapes is universally known, they being proper either for eating, or making of wine. When they are green, they produce the liquor which is properly called verjuice; and in this state, it is a little aftringent, and serves to abate the heat of the stomach,

mach, and to flop a bilious loofenefs, as well as to recover the appetite. It is made use of in France in the fame manner as our common verjuice made with crabs. When grapes are dried in the fun, or in an oven for keeping, they are called raifins of the fun, - 12 and have before been taken notice of. Of the juice of ripe grapes they make a fapa or rob, by evaporating it over the fire, till a third part remains. This is a little aftringent and ftyptick, and they make use of it in France to prepare quinces with; and then it is faid to be excellent to ftop loofeneffes, and to frengthen the flomach. As for wines, they vary greatly, with regard to their colour, fmell, tafte, and confistence ; all which are different, according to the different kinds of which the wine is made. Good generous wine of any fort, is an excellent cordial, if properly used, and of late has been found to be of great fervice in all flow nervous fevers ; for they will secover the patient, when other things fail. However there are fome wines that are too aftringent for ; 5 common use, and confequently they produce costive. acis; for which reason they must needs be unwhole. fome, unless drank in small quantities; however they are proper enough for those whose stomachs are relaxed. Meagre acid wines agree with those of a bis lions conflication, to reftrain the effervescence of the blood, but with none elfe. Strong fpirituous wines are most proper to raife the fpirits, and to restore the exhausted strength, especially when they are not drank too commonly.

VITIS IDÆA, FOLIIS OBLONGIS CRENA-TIS, common black Wortles, or Bilberries, has a flender, woody, hard root, often creeping under the ground, which fends forth a small shrub, about a foot in height, with feveral flender branches, that are angular, flexible, and difficult to break, as well as covered with a green bark. The leaves are oblong, and about the fize of those of box, but not fo thick; they are green. fmooth, flightly dentated on the edges, and have an aftringent tafte. The flowers confift of a fingle leaf.

in

, III

R

Ŷ

6

ส์

r

8

ş

Ŀ

٥

ż

. 6

b

ŝ

Ľ,

Μ

V

È

į.

k

A

ł

į

h

è

ł

ι

t

1

t

í

0

ſ

1

t

IJ

ŝ

ł

OF VEGETABLES.

Ľ

..

ŝ

2

ĺ.

2

ċ

1

17

1

C

6

ő

1

ı I

,

,

•

1

e ,

427

in the shape of a pitcher, and are connected to short pedicles, of a reddiff white. There is a fmall lafting flower-cup, in which is the germen, attended by eight famina, with forked fummits. The germen afterwards becomes a foft, globular, umbilicated berry, of the fize of jumper berries, and of a deep blue, or blackifh co-It grows very common on large wild heaths, in lour. many parts of England; but it is never cultivated in gardens, becaufe they will not thrive therein. In those parts where they are common, the poor people gather them, and bring them to markets to fell, or cry them. about the fireets. It is common to eat them with milk or cream. Some take the juice of these berries, and boil them to the confistence of a rob, with fugar, which . is faid to be good against a common looseneis, and totemperate the effervescence of the bile. Several vintners in France, make use of these bernies, to colour their white wines red, as well as to increase the quantitythereof; and it were to be wished that nothing worfe was any where used to adulterate this liquor. Some likewife make use of the juice to colour linnen, as well. as paper, blue.

ULMARIA, Meadow-Sweat, has a pretty thick root, as long as one's finger, which is blackish without, and of a reddifh brown within, and has a few reddifh. fibres; it fends forth a stalk, to the height of three feet, which is firait, angular, finooth, reddifh, firm, hollow, and branched. The leaves are placed alternately, and. are composed of several other oblong leaves, not much unlike those of drop-wort. They are dentated on the edges, wrinkled, and green above, but whitish below. The flowers are fmall, and grow in bunches on the tops of the stalks and branches; they each confist of feveral petals or leaves, of a whitish colour, in the form. of a role, and have an agreeable fractl. Thefe are fucceeded by a fruit, composed of many little membranaceous crooked hufks, gathered into a fort of a head, each of which contains a small feed. It grows wild in moist meadows in most parts of England, and the flowers in the middle of June, make a fine appearance among the grafs. The feeds are ripe in autumn. This. plant

plant is faid to be fudorifick, cordial, and vulnetary, and fome recommend its docoftion in malignant fevers; others greatly praife it against fluxes, and internal hurts, but it is not to be depended upon on these accounts. A dram of the extract of the root is fudorific, if it be taken for two or three days together. The tender leaves and flowers of this plant, put into wine, mead, or beer, give them an agreeable taste and fmell, which fome are very fond of.

Û

ù

10 . N2

· j

5

1

0

2

ULMUS, the Elm tree, has a thick, hard, woody root, which spreads greatly in the ground and it fends forth a large branched tree, with a thick trunk, covered with a chapped bark, which is rough, and of a reddifh afh colour without, but whitifh within. The wood is firring, hard, inclining to yellowifh, with a reddifh caft, and the leaves are broad, wrinkled, veinous, oblong, dentated on the edges, terminating in a point, of a pretty deep green above, with thort pedicles, and croffed longways by a nerve, which does not appear fo much on one fide, as the other. The flower which appears before the leaves at the top of the branches, confifts of a fingle leaf, shaped like a bell, furnished with feveral dark coloured stamina, and from the bottom arifes the pointal, which afterwards turns to a membranaceous and leafy fruit, almost in the shape of a beart. In the middle of which is placed a feed-veffel, in the fhape of a pear, containing a fingle feed of the fame shape, This tree grows in plenty all over England, and they propagate themselves by seeds and suckers, that rise from the roots of old trees in such plenty, as hardly to be rooted out, particularly in hedge rows, which when left undifturbed, will fend forth young plants every year ; from whence the people who fupply the nurfery men gather them. It flowers in March and April, and the feeds are ripe in May.

Befides the common elm, there are the witch hazel, or broad leaved elm; the fmall leaved or English elm, the fmooth leaved or witch elm, the Dutch elm, the English elm with beautiful firiped leaves, the yellow leaved elm, the Dutch elm with firiped leaves, the fmooth narrow leaved elm, the white barked elm, and the į,

ā,

2

х 1-

3

٤

3

Ý

(C)

0 {}/

3

j.

64 (5)

ļ

Ę.

J

5

5

b

the French elm. The three first, as well as the former elm, are common in England, and so is the fourth, and as hardy as the former. Those forts with striped leaves are preferved by the curious, who collect variegated plants. The smooth narrow leaved elm is common in some parts of Hertford/bire, and Cambridge/bire, and it is a very handsome upright tree, which retains its leaves late in the autumn. They may be all propagated by layers or suckers taken from the roots of old trees; but the method by layers is best, because they come on faster than the others. The best foil for such a nursery, is a fresh hazel loam, neither too light nor too dry, nor yet too moist and heavy.

With regard to the medicinal virtues, we are assured in the German ephemerides of 1727, that feveral perfons afflicted with the dropfy ascites, have been cured by the decoction of elm-bark, used as common drink for five or fix weeks. There are fometimes on elm leaves a fort of bladders, that swell to the bigness of a man's fift, which contain a liquor, in which are greenith infects. This must be frained through a cloth, and then it will be good for all recent wounds and bruises, feveral affirm. Ray tells us, that the deeoction of elm-bark, reduced to the confistence of a fyrop, and a third part of brandy added, is good to ease the hyp-gout, if used as a liniment.

UMBILICUS VENERIS, Navel-wort, has a tuberofe, flefhy, white root, furnithed below with fmall fibres, which fends forth round thick leaves, full of juice, which are tender, hollowed like a bafon, and fixed to long pedicles, of a fea-green colour; from the middle of thefe there arifes a flender ftalk, about half a foot high, which is divided into feveral branches, covered with fmall flowers, confifting of a fingle leaf, expanded in a circular order, and cut into feveral fegments; the colour is white, or a little inclining to purple, with ten flamina, and ftrait fummits. Thefe are fucceeded by a fruit, compofed of four hollow, umbilicated capfulæ, fomewhat refembling

fembling a basket, in the middle of which is contained one feed, that is almost flat, and which adheres to the placenta. This plant grows naturally among rocks, and on old walls, in flony hot countries, and it flowers in *April* and *May*, at which time the leaves decay. It begins to appear towards the end of the autumn, and keeps its leaves all the winter.

UMBILICUS VENERIS ALTER, creeping Navelwort, has a long creeping root; but the leaves are much the fame as those of the former, only they are greater, thicker, open towards the pedicle, crenated on the edges, and from among them there arifes a round, firm, reddifh stalk, furmished with smaller leaves, divided into feveral branches, loaded with yellow flowers, in the form of the fpike. They each confift of a fingle leaf, cut into five parts, fupported by a long greenish calyx; these are succeeded by five oblong, pointed, greenish capfulæ, full of very small reddifh seeds. This plant grows wild in Portugal, and is cultivated in the gardens of the curious. It flowers in June, and the leaves are green all the winter, but then entirely difappear in May. The feeds of the former should be fown in autumn, foon after they are ripe, at which time they will come up very well; but if they are fowed in the fpring, they feldom fucceed. The leaves are faid to be very good in external inflammations, and they may be fubftitated in the room of house-leek. Some bruise this herb between two flones, and apply it to eafe the pain of the piles; but there are more certain remedies for thefe purpofes.

UNEDO, free ARBUTUS, the Strawberry tree, has a pretty thick, woody root, from whence proceeds a fhrub, or fmall tree, whole trunk is covered with a rough chapped bark, and there are many reddifh branches towards the top. The leaves are oblong, fomewhat broad, and almost like those of the lawrel tree, for they are thick, fmooth, always green, and finely crenated on the edges. The flowers confift of a fingle 1

ł,

ņ

Ŭ,

ù

7 00 20

2

19

ï

с 2

i

;'

3

fingle leaf, cut into five parts, which are white, beautiful, disposed in bunches, and have an agreeable smell, with ten capillary stamina. These are succeeded by fruits, that have fome refemblance to ftrawberries ; but they are larger, of an orbicular fhape, with the flesh yellow before they are ripe, and of a fine red when at maturity ; it is divided into five cells, which contain feveral fmall, oblong, bony feeds. This fhrub is very common in Italy, Spain, and the fouth parts of France ; it flowers in June and July, and the fruit does not grow ripe in lefs than a year. Blackbirds and thrushes are very fond of these strawberries, as well as women and children. Belon informs us, that in the ifle of Candy, and in the vallies near mount Athos, this fhrub grows fo high, that it equals the smallest trees, and that the fruit is as big as a small apple, and of a blackish red colour. It is of little use in medicine, though the leaves, bark, and fruit, are fomewhat aftringent. Some are of opimion that the fruit is bad for the ftomach, and caufes diforders of the head, for which reason it should be eaten sparingly. There are some of these thrubs planted in England, and it is very common in Ireland, where the fruit is fold and eaten. With us it has an auftere fower tafte, which perhaps may be owing to the coldness of the climate, and therefore only the branches are brought to the markets, with bunches of flowers thereon, to be made up into nolegays. They may be propagated by fowing the feeds, which should be preferved in dry fand till March, at which time they may be fown on a moderate hot bed, covering them with about a quarter of an inch of light earth, screening them from frost, or great rains. About the beginning of May the plants will appear, and then they must be weeded, watered frequently, and shaded in hot weather. In the autumn they will be about five or fix inches high. The bed must be hooped all over against winter, and should be covered with matts and straw, to keep out the frost. About the middle of April, they may be transplanted into fmall pots, which should be plunged into another moderate hot-bed, to encourage their taking root, and they should be shaded from the fun in the middle of the day.

day. When they are between three and four feet high, they may be shaken out of the pots into the open ground, where they are to remain; this is best done in September, when the blossons are beginning to appear, and then if they be kept moist, they will take root very soon; but in November the roots should be well covered with mulch, to keep out the frost.

URTICA, the Common Nettle, has a slender, fibrous, creeping root, of a yellowish colour, with stalks that rife to the height of three feet, which are fquare, furrowed, stiff, covered with a stinging hair, hollow, branched, and furnished with leaves, placed opposite to each other by pairs; these are oblong, broad pointed, dentated on the edges, and full of fmall ftinging prickles. The flowers grow on the tops of the flaks and branches, under the leaves, and are each composed of feveral flamina placed in a calyx, with four leaves of the colour of grafs; but they leave no fceds behind them, for this reason, they are diffinguished into male and female. The male does not flower at all. but form pointed capfulæ, that fling when they are touched, and each of these contain an oval, flattish, shining feed. The female bears nothing but flowers without any fruit, according to the vulgar diffinction ; for the botanifts call those male flowers that produce no feeds, and those female flowers that are fucceeded by feeds. This plant grows almost every where, in great plenty ; it flowers in June, and the feed is ripe in August. The leaves decay every winter ; but the roots continue, and fend forth fresh leaves in the spring.

URTICA MINOR, the leffer finging Nettle, has a fingle, pretty large, white root, furnified with fmall fibres: the ftalks are from half a foot to a foot in height, and are pretty thick, fquare, hard, furrowed, branched, and finging, but not fo ftrait as the former; the leaves are placed opposite to each other by pairs, and are more fhort and blunt than those of the common nettle; they are also deeply dentated on the edge, and fting greatly when touched. The flowers confist of ftamina, disposed into fmall bunches, in the

Digitized by Google

form

t

i T

7

2 2 2

1 - L

form of a crofs, and of a grafs green colour. Some of these are male, and others female, as in the former. These grow commonly on the fides of houses, and among the ruins of old buildings; both root and branches perifh every year, and they are renewed by the feeds in the fpring.

URTICA ROMANA, Roman Nettle, has a fibrous. yellowifh, annual root, that fends forth a flalk to ' the height of four or five feet, which is round, branched, and furnished with stiff, stinging prickles. The leaves are placed opposite to each other, and are broad, pointed, deeply dentated on the edges, and covered with a rough flinging, fhining hair. The flowers are like those of the former, and they are fucceeded by fmall globes of the fize of a pea, all rough with prickles, and composed of feveral capfulæ, that open. into two parts, and have each an oval, pointed, flattifh, fmooth, flippery feed. It grows as well in cold as hot countries, in hedges, meadows, and among cop. pices. It is not fo common as the two former, for which reason there are some that sow the seed in gatdens; it flowers in fummer, and the feed is ripe in July and August. Some call this the pill bearing flinging nettle, with feeds like flax. These may be fown at the latter end of March, upon a bed of light rich earth; and when the plants are come up, they fhould be removed into beds on the borders of the pleasure garden, among other plants; because it is common for perfons to gather fprigs of feveral forts to fmell to, and confequently this among the reft, and this is defigned to fling them for the lake of mirth. The juice of nettles is recommended to flop fpitting of blood, and other hæmon hages, and the dofe is from two ounces to four. Some would have the infafion of the leaves of nettles, made like tea, to be given in the gout, the rheumatism, the stone, and gravel. It is common in many places to make broth with the young fhoots of nettles in the fpring, to cleanse the blood. The roots of nettles made into a decoction, VOL. VL U are

are faid to be a good remedy against the jaundice, and to promote expectoration in an old cough, as well as in the asthma and pleurify.

USNEA HUMANA, the mois of a man's skull, is like the common mois, of a greenish colour, and about a quarter of an inch high, without smell, but the taste is a little faltish. It grows on the fculls of men and women that have been a long while exposed to the air, and particularly on those that have been hanged on gibets. This was formerly in great effect the fcull itself in the room of it; however they both may not be improperly laid aside.

VULNERARIA RUSTICA, Kidney-Vetch, or Ladies Finger, has a fingle, long, strait, blackish root, with stalks that arife to the height of a foot, which are slender, round, downy, a little reddish, and lye upon the ground. The leaves are placed by pairs along one fide, and are terminated with a fingle leaf lik those of Goats Rue, but a little softer ; they are hairy underneath, inclining to white, but of a yellowish green above, with a sweetish acrid taste. Those which fuftain the flowers on the tops of the branches are broader than the reft. The flowers grow on the tops of the branches, and are yellow, papilionaceous, and have each a calyx like a tube, which are fucceeded by fhort pods filled with roundifh feeds, that are contained in a membranous bladder, that was before the cup of the flower. It grows in mountainous, dry, fandy places, or on chalky grounds in divers parts of England. It flowers in May and June, and the feed is ripe in July and August. It has been accounted good for healing fresh wounds, but it is now out of use.

UVULARIA MAJOR, *Threat-woort*, has a thick, long, branched, white root, that fends forth feveral branches to the height of three feet, that are fometimes as thick as a man's little finger, which are an gular, furiowed, hollow, reddish, and hairy. The leaves are disposed alternately along the branches, and are like those of the common nettle, but they are

more pointed, and those below have long pedicles. The flowers are made like a bell, cut on their edges into five parts, and are of a blue or violet colour; but fometimes they are white, hairy within, and fupported by a fmall calyx, cut likewife into five parts, and they have five thort capillary flamina in the middle, with flat fummits. The calyx is fucceeded by a membranous, roundish, angular fruit, which is divided into feveral cells, with holes on their fides, and they contain small, shining, reddish feeds. This plant grows frequently in woods, hedges, meadows, and in shady places; it flowers in furnmer, and the feed is ripe in autumn. Some cultivate it in gardens for the fake of the variety of the flowers. They are only propagated by parting the roots, for they do not produce feeds in England; the best feason for removing them is about Michaelmas, when the roots may be feparated and planted on the borders of the flower garden. A French author affirms, that if when the root is taken out of the ground it be cut into flices about a quarter of an inch thick, and then fet feparately in the earth, they will each produce a plant of the same kind. This account was laid before the academy at Paris. This plant is affringent, deterfive, and vulnerary, and the decoction of it has been made vie of against inflammations of the month and throat, but it must be only exhibited in the beginning of the diforder.

XANTHIUM, free LAPPA MINOR, Loufe-burr, has a fmall, white, annual root, furnithed with thick fibres. The ftalk is angular, hairy, marked with red fpots, and about two feet high, with fpreading branches. The leaves are much finaller than thole of Burdock, and have fome refemblance to Colts-foot, they being of a yellowith green above, hairy and flightly dentated on the edges; they have pretty long pedicles, and have a fort of an acrid aromatick tafte. The flowers confit of a bunch of florets like two fmall bladders, from the bottom of which fmall ftamina proceed; thefe florets eafily fall off, leaving uo U_2 feed

feed behind them, but below these that are male, there are others that are female and fertile, which leave oblong fruits behind them as large as small olives, and rough with burrs, which flick to the garments of those that pass by; they are each divided into two cells, that contain oblong reddifh feeds, convex on one fide, and flat on the other. It grows in fat land, against the fides of walls, and near brooks, as well as in dry ditches. It flowers in *July* and *Augus*, and the feeds are ripe in autumn. Some pretend that the leaves of this plant are good against the Kings-evil, ring-worms, and purify the blood, and that fix ounces of the juice is a dose. Others affirm, that the feed infused in brandy, will powerfully bring away the gravel.

XYRIS, five IRIS FOETIDA, flinking Gladden, or Flag, has a round root, pretty much like an onion while it is young, but afterwards it grows crooked, knotted, and is furnished with pretty thick fibres ; it fends forth many roots a foot and a half or two feet in length, that are more narrow than the common Iris, and as fharp as the end of a fword; they are of a blackifh shining green, and have a slinking smell like bugs. Among these leaves several strait smooth stalks arise, on the top of each of which there is a flower like that of the Iris, but more fmall, and composed of Ix petals or leaves, of a dirty purple, inclining to blue. These are succeeded by oblong angular fruit, which open like male piony, and difcover round feeds, as large as fmall peas, of a red colour, and of an acrid burning tafte. It grows in moift places, on the fides of hedges, among bufhes, and in fhady valleys. It flowers in July and August, and the feed is ripe in autumn. It is cultivated in the gardens of the curious, and grows readily every where; however it does not grow in many places spontaneously in England. The root and feed taken in decoction, are faid to be aperient, to purge off water, and to be good

3

1

OF VEGETABLES.

good in the rheumatism and dropfy. A dofe of the dried root in powder, given in white wine, is a dram. Some account it excellent in the king'sevil, and in the moilt affirma; but its principal virtue is to purge off water, and to diffolve claiming humours.

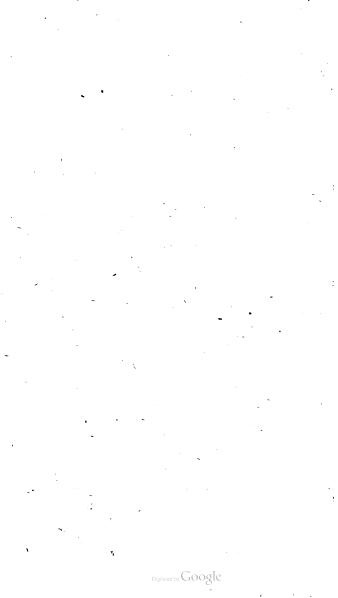
FINI/S.

CA8*350 Getto in

Digitized by Google

INDEX

437





N D E X.

OF THE

ENGLISH NAMES.

Á.

Ι

CORUS, Indian, 2. Acacia, 88. Acacia, bastard, 325. Adders-Tongue, 289. Agaric, 91, 92. Agrimony, 99. Alder-tree, 102. Alexanders, 385. Alexanders, Laurel, 357. Almond tree, 103, 104. Alocs, '84. Alocs, wood of, 29. Aloes, wood of, Mexican, 20. Amber, liquid, 56. Amomum, true, 49. Anemony, wood, 342. Angelica, 3. Anime, gum, 69. Anime, American, 70.

Anife, 106. Anife, Indian, 63. Apple, mad, 261. Apple, thorn, 392. Apple tree, 242. Apricot-tree, 109. Archangel, purple, 221. Archangel, white, 220. Anack, flinking, 115. Arfe fmart, 304. Avie fmart, biting, ib. Artichoak, fpiny, 158. Artichoak, 157. Aturabacca, 112. Alharee, 194. Afparagus, 114. Afla-foetida, 81.

Β.

Balm of Gilead, 64. Balauslines, 245. Balm,

Balm, 259. Balfam of Capivi, 66. Balfam, Peruvian, 65. Baliam of Tolu, 62. Baliam, Apple, 269. Balfamine, 383. Barberry Bufh, 221. Barley, 210. Bafil, 285. Baflard-Rocker, 347. Day-Tree, 227. Edellium, 81. Bean Plant, 187. Bean-Kidney, 208. Bean-Tree, 52. Bean of St. Ignatius, 62. Bears-foot, 13. Beet, 122. Behen, white, 6. Behen, red, ib. Ben, 54. Benjamin, 70. Betony, 122. Betony-Water, 373. Bind Weed, 384, 385. Birch-Tree, 123. Birds-Foot, 294. Eirth-wort, creeping, 5. Birth wort, long, ib. Birth-wort, flender, ib. Birth-wort, round, ib. Bistort, 124. Bitter-sweet, 178. Blackberry-Bush, 355. Blood-wort, 223. Blue Bottle, 172. Boor-cole, 129. Box-Tree, 134. Bramble-Bush, 355. Brank-urfine, 96.

Brooklime, 118. Broom, 200. Broom, Butchers, 357. Briony, black, 132. Briony, white, 131. Buck-Beans, 262. Buck-Thorn, 347. Buck-Wheat, 188. Buglofs, Garden, 132. Buglofs, Vipers, 422. Burdock, 118. Burnet, 310. Burrage, 125. Butchers-Broom, 357. Butter-Bur, 306. Butter-wort, 310.

С.

Cabbage, 126. Cabbage, Savoy, 127. Cacoa, 55. Calamint, 135. Calamint, Field, 136. Calthrops, Land, 406. Calthrops, Water, 407. Camels-Hay, 35. Camomile, 152. Camomile, flinking, ib. Camphire, 70. Campions, 382. Caranna, 72. Carnations, 143. Cardamoms, 48. Caper-Bush, 138. Carline-Thiftle, 7, 142. Caraway, 144. Carrot, wild, 174. Carrot, candia, ib. Cafcarilla, 27. Cafheu-

Casheu-Nut, 52. Caffia-Tree, 45. Caffia, woody, 25. Cafumunar, 8. Cat. Mint, 278. Catechu, 88. Catch Fly, 323. Cats-Tail, 426. Celandine, 154. Centaury, less, 146. Centaury, great, 145. Champignon, 125. Chafte-Tree, 99. Cherry-Tree, 148. Cherry-Tree, black, 150. Cherry, winter, 101. Chervil, 150. Chefnut-Tree, 145. Chiches, 155. Chick-Weed, 103. China Root, 8. Chrift's-Thorn, 297. Ciboule, 148. Cicely, fweet, 271. Cinnamon, 23. Cinque foil, 341. Citron-Tree, 154. Citruls, 161. Clary, 210. Clary Meadow, 370. Clivers, 107. Cloveberry Tree, 25. Clove-July Flower, 143. Cloves, 51. Club Mois, 270. Codaga Pala, 28. Coffee, 58. Cole-woit, 130. Colliflower, 128. Colts Foot, 412.

Columbines, 108. Comfrey, 164. Confound, 133. Contra-yerva, 8. Copal, Gum, 70. Coraline, 34. Coriander, 165. Corn-Flag, 414. Corn-Sallad, ib. Corn, Indian, 258. Cork-Tree, 393. Costus, sweet, 9. Coftmary, 395. Cranes-Bill, 202. Crab-Tree, 243. Creffes, Garden, 276. Creffes, Indian, 277. Cresses, Sciatica, 215. Cresses, Water, 276. Creffes, Winter, 383. Crofs-wort, 168. Crow-foot, 242, 243. Cubebs, 49. Cuckow-pint, 112. Cucumber, 168. Cucumber, wild, 169. Cud-weed, 202. Cummin, 170. Currant-Bush, 349, 350. Cyprefs, long, 10. Cyprefs-Tree, 171.

D.

Daify, 120. Damalk Prune, 321. Dandelion, 175. Dane-wort, 139. Dart-wort, 253. Dates, 41. Deers-

D

Ŀ

E X.

Deers Balls, 90. Devil's-Bit, 368. Dill, 106. Dittander, 229. Dittany of Crete, 36. Dock, French, 222. Dock, Garden, 221. Dodder of Thyme, 172. Dogs-Stones, 291. Dogs-Grafs, 203. Dogs-bane, 303. Dogs-Tongue, 173. Dragons, 176. Doves-Foot, 201. Dragons, Meadow, 177. Dragons-Blood, 74. Drop-wort, 189. Ducks-Meat, 228. Dutch Myrtle, 273.

E.

Elder, dwarf, 179. Eldder, marth, 290. Elder-Tree, 263. Elicampane, 191. Elemi, Gum, 72. Elm, 428. Endive, 180. Eryngo, 184. Euphorbium, 81. Eye bright, 186.

F.

Fennel, common, 191. Fennel, Hogs, 307. Fennel, fweet, 92. Fennel-Flower, 281. Fenugreek, 193. Fern, 190. Feverfew, 157. Figs, dried, 42. Fig.wort, knobby, 372. Flag, flinking, 436. Flax, common, 235. Flax, Toad, 233. Flax, purging, 236. Flea-Bane, 226. Flea-wort, 326. Flix-Weed, 383. Female-Fluellin, 179. Fools-Stones, 291. Fox-Glove, 175. Fumitory, 196. (

G.

Galbanum, 82. Galangal the lefs, - I'I. Garlick, 102. Gentian, 11. Germander-Speedwell, 418. Germander, 151. Germander, Water, 307. Ginger, 23. Ginleng, 17. Glass-wort, 386. Glass-wort, thorney, ib. Goats-Beard, 405, 406. Goats Rue, 198. Gold of Pleafure, 271. Golden-Rod, 422, 423. Goofeberry Bush, 204. Gourd, 169. Gromwell, 236. Ground Pine, 153. Ground-Pine, Musk, ib. Groundfel, 376. Gui /

Guaiacum, 30. Guinea-Pepper, 48. Gum-Arabick, 76. Gum-Seneca, 77. Gum-ammoniac, 80. Gumboge, 86.

H.

Hares-ear, 311. Hares-Foot, Trefoil, 408. Harts-Tongue, 234. Hart-wort, 230. Hart-wort, of Candia 404. Hart-wort, Italian, ib. Hawthorn, 266. Hazle-Tree, 166. Hedge-Hyflop, 203. Hedge Mustard, 184. Hellebore, black, 13: Hellebore, white, 12, 414. Hemlock, 157. Hemp, 138. Hemp-Agrimony, 185. Henbane, black, 211. Henbane, white, 212. Herb-Robert, 201. Hollyhock, 241. Holly, 108. Hermodactile, 13. Honey-fuckle, 139. Hop-Plant, 138. Hore-hound, 154. Hore hound, black, 255. Hore-hound, bafe, 290. Horfe-Tail, 292. House-Leek, 374, 375. Hyffop, 213.

J.

Jack by the Hedge, 101.

Jalap, 13. lerusalem-Oak, 126. Jeffamy, 215. Jesuits-Bark, 26. Jews Ear, 91. Indian-Leaf, 35. John's-wort, St. 212. Ippecacuanha, 14. Iron-wort, 378. Judas's-Tree, ib. Jububs, 41. July-Flower, 143. Juniper-Tree, 218. Ivy, 206. Ivy-Tree, Gum, 73. Ivy Ground, 205.

ĸ.

Kidney-Bean, 308. Knap-Weed, 214. Knot-Grafs, 216.

L.

Labdanum, 73. Ladies Bed-straw, 199. Ladies Mantle, 100. Lavender, 225. Lavender-Cotton, 94. Lavender, French, 38. Laurel-spurge, 226. Leek, 318. Leaf, Indian, 35. Lemon-Tree, 161. Lentils, 228. Lettuce, Garden, 219. Lettuce, Cabbage, ib. Lilly, white, 231. Lilly of the Valley, 233. Lime-

T

E X.

D

Lime-Tree, 400. Liquorice, 11. Liver-wort, 208. Liver-wort, noble, ib. Loofe-ftrife, 302. Logwood, 32. Lowage, 220. Loufe-bur, 435. Lung-wort, 230. Lung-wort, French, 328.

М.

Mace, 61. Madder, 355. Mad-apple Plant, 261. Maiden-Hair, 98. Maiz, 258. Malagueta, 48. Mallowe, common, 240. Mallows, Marth, 103. Mallows-vervain, 100. Mandrake, 253. Manna, 78. Manna-Grass, 203. Marigold, 136. Marjoram, 239. Marjoram, gentle, 240. Marjoram, wild, 293. Masterwort, 14. Mastick, 73. Maftick, Herb, 256. Maudlin, 98. Sweet-Meadow, 427. Meadow-Saffron, 163. Mechoacan, 162 Medlar-Tree, 265. Melilot, 259. Melon, 260. Melon, Mulk, ib.

Mexico-Seeds, 57. Mezereon, 266. Mercury, English, 125. Mercury, French, 265 ... Milk-vetch, 168. Milk-wort, 314. Millet, 267. Millet, Indian, ib. Mint, 263. Mint, Pepper, 264. Mint, Horfe, ib. Milletoe, 423. Moss of a Man's Skull, 434. Mols, Earth, 270. Moss, Sea, 34. Mother of Thyme, 376. Mother-wort, 140. Monks-Rhubarb, bastard, 223. Mouse-Ear, 117. Moufe-Ear, common, 309.. Mug-wort, 111. Mulberry-Tree, 269. Mullein, 415. Mushrcom, 196. Muftard, 379. Mustard, White, 380. Mustard, Hedge, 184. Muftard, Mithridate, 397. Chebule, Myrobalans, 143. Myrobalans, Indian, 44. Myrobalans, Belliric, ib. Myrobalans, Emblic, ib. Myrtle-Tree, 273. Myrtle, box-leaved, 272. N. Nard, celtick, 16. Navel--

D

Navel-wort, 429. Nevew, 274. Nevew, Wild, 275. Nectarines, 252. Nephrifick-Wood, 32. Nettles, 432. Nettle, Dead, 198, 199. Nightfhade, Deadly, 119. Nightfhade, 383. Nightfhade, *American*, 308. Nipple-wort, 221. Nutmeg, 60.

О.

Oak-Tree, 340. Oats, 116. Olibanum, 74. Oleander, 278. Olive-Tree, 286. Olive-spurge, 398. Onion, 147. Opopanax, 83. Opium, 87. Orange-Tree, 116. Orange-Tree, Mock, 393. Orchis, 29. Orpine, 105. Ofmund Royal, 91. Orrice, Florentine, 15. Ox-eye-Daify, 119.

P.

Palma-Christi, 297. Panick, German, 298. Paris-Herb, 209. Pareira-Brava, 7. Parsley, 306. Parsley, Macædonian, 307.

Parsley, bastard, 383. Parsley, mountain. 292. Parsley, milky, 400. Parinep, 301. Parsnep, wild, 302. Parfnep, water, 121. Parsnep, cow, 390. Pasque Flower, 328. Peach-Tree, 245. Pear-Trees, 320, 330, 331, 332, 233, 334, 335. Pease, 312. Pellitory of Spain, 18. Pellitory of the Wall, 300. Pennyroyal, 327. Pepper, 50. Pepper, black, ib. Pepper, Guinca, 48. Pepper, Cayan, 311. Pepper, Jamaica, 51. Pepper, long, ib. Peniwinkle, 305. Periwinkle, greater. ib. Peruvian Bark, 26. Piony, 296. Pile-wort, 155. Pimpernel-water, 364. Pine-apple-nuts, 57. Pine, ground, 153. Pink, ground, flinking, 137. Pistachis Nutos, 56. Pink, sea, 392. Plantain, 313. Plumb.Tree, 320, to 324. Poly, mountain, 314. Polypody, 316. Pomegranate-Tree, 244. Pomegranate-rind, ib. Poppy

Poppy, 298, 299, 300. Poplar-Tree, black, 317. Poplar-Tree, white, ib. Potatoes, 206. Primrofe, 319. Privet, 231. Privet, mock, 308. Puff-Balls, 97. Purging-Nuts, 58. Purflane, 319. Purflane, wild, ib.

Q.

Quick Grafs, 203. Quince-Apple, 242. Quince-Tree, 267.

R.

Radifh, 344. Radifh, Horfe, 345. Radish, Water, 381. Ragwort, 214. Raifins, 42. Rampions, 346. Rampions, spiked, ib. Rafberry-bush, 356. Rhodium-wood, 30. Reft harrow, 107. Rhapontic, 20. Rhubarb, 18. Rhubarb, Monks, 222. Rhubarb, English. 19. Rice, 295. Ricinus, American, 57. Rofes, 350, 351, 352. Rolemary, 352, 353. Rue, 358, 359. Rue, Goats, 198.

Rue, meadow, 397. Rupture-wort, 309. Rye, 373.

s.

Saffron, 39. Saffron, baitard, 62. Saffron, meadow, 163. Sage, 362. Sage of Jerusalem, 327. Sage of Betblehem, ib. Sagapenum, 83. Saint-foin, 287. Sandarack, Gum, 74. Sanders, yellow, 33. Sanders, red, ib. Sancele, 364. Sarfaparilla, 20. Saracol, 84. Saffafras-Tree, 33. Satyrion, 291. Sattin-Flower, 420. Savine, 359. Savory, 365. Savory, Rock, 306. Saw-wort, 377. Saxifrage, 366, 367. Scabious, 368. Scallions, 148. Scurvygrafs, 162. Scurvygrafs, Scottifb, 387. Sebestens, 42. Self heal, 130. Senna, 35. Seneca, 21. Seneka, Gum, 77. Service-Tree, 388. Service, wild, 389. Shepherds-Needle, 363. She-

Digitized by Google

8

ŧ

ŝ

ŝ

Shepherds-Purse, 133. Silver-Weed, 109. Simaruba, 28. Skirret, 381. Smallage, 107. Snake-root, Virginian, 21. Snow-drop, 275. Solomon's-seal, 315. Soap-wort, 365. Sorb-Tree, 389. Sorrel, 97. Sorrel, French, 98. Southernwood, 93. Sow-bread, 192. Sow-thiftle, 388. Spanish Pick-Tooth, 424. Sparrow-grafs, 114. Speedwell, 417. Spear-mint, 264. Spikenard, Indian, 16. Spiked Speedwell, 418. Spignel, 16. Spinage, 224. Spindle-Tree, 396. Spleen-wort, 150. Spurge, 402. Spurge, greater, 185. Spurge, lefs, ib. Spurge-laurel, 320. Squills, 369. Star-thiftle, 136. Star of Bethlehem, 294. Staves-acre, 191. Stone-crop, 375. Storax, 75. Storax, liquid, 67. Strawberry, 193. Strawberry-Tree, 430. Succory, 156. Sugar-cane, 88. Sumack, 348.

Sun-dew, 354. Sun-flower, 206.-Swallow-wort, 113.

Х.

T.

Tacamahac, 76. Tamarinds, 46. Tamarisk-Tree, French, 394. Tamarisk-Tree, German, ib. Tanfey, 395. Tares, 419, 420. Tartar, 89. Taragon, 178. Thea, or Tea, 37. Teafel, 176. Thiffle, blefied, 141. Thiftle, ladies, ib. Thiffle, carline, 142. Thiftle, globe, 288. Thorough-wax, 303. Throat-wort, 434. Thyme, 399. Thyme of the ancients, ib. Toad-fiax, 233. Thorn, ever-green, 266. Tobacco, 279, 280. Tormentil, 404. Travellers-joy, 421. Tragacanth, 77. Trefoil, Birds-foot, 237. Trefoil, meadow, 408. Trefoil, bituminous, 409. Trefoil, pile, ib. Tuberole, molchatel, 270. Tulip, 411. Tuumerick, 9. Tur-

Digitized by GOOgle

D

T

Turpeth, 92. Turnep, 348. Turnep, cabbage, 129. Turpentine, common, 69. Turpentine, Venice, 68. Turpentine, Strafburg, ib. Turpentine of Chio, 67. Turnfole, 207. Tutfan, 377. Twayblade, 290.

v.

Valerian, 412. Valerian, wild, 413. Vanillas, 47. Venus's-comb, 360. Vervain, 416. Vetches, rcd, 155. Vetch, 419. Vetch, white, 420. Vetch, kidney, 434. Vine, 425. Violet, 420. Vipers-grafs, 372. Vomic-nut, 61.

Ε X. Water-drop-wort, 286. Water-hemp, Agrimony, 416. Wayfairing-Tree, 419. Water-Rocket, 382. Weed, dyers, 402. Wheat, 420. Wheat, buck, 188. White bean Tree, 52. Wild Vine, 131. Wild Valerian, great, 413. Wortle-berry, 426. Willow-Tree, 361. Willow, spiked, 360. Winters Bark, 25. Winter-Green, 329. Wolfs-Bane, Roman, 10. Woodbind, 139. Woodroofe, 115. Wood-Sage, 371. Wood Sorrel, 237. Wormwood, 95. Wormwood, Roman, 96.

Wormwood, Sea, ib. Worm-Seed, 63.

Y.

Yarrow, 268. Yew-Tree, 395.

Z.

Zedoary, 22. Zerumbeth, 22.

Walnut Tree, 216. Wall-flower, 154. Wall-pepper, 375.

W.

Water-dock, great, 223. Water-Lilly, white, 284. Water-Lilly, ycllow, ib.

Digitized by Google

*