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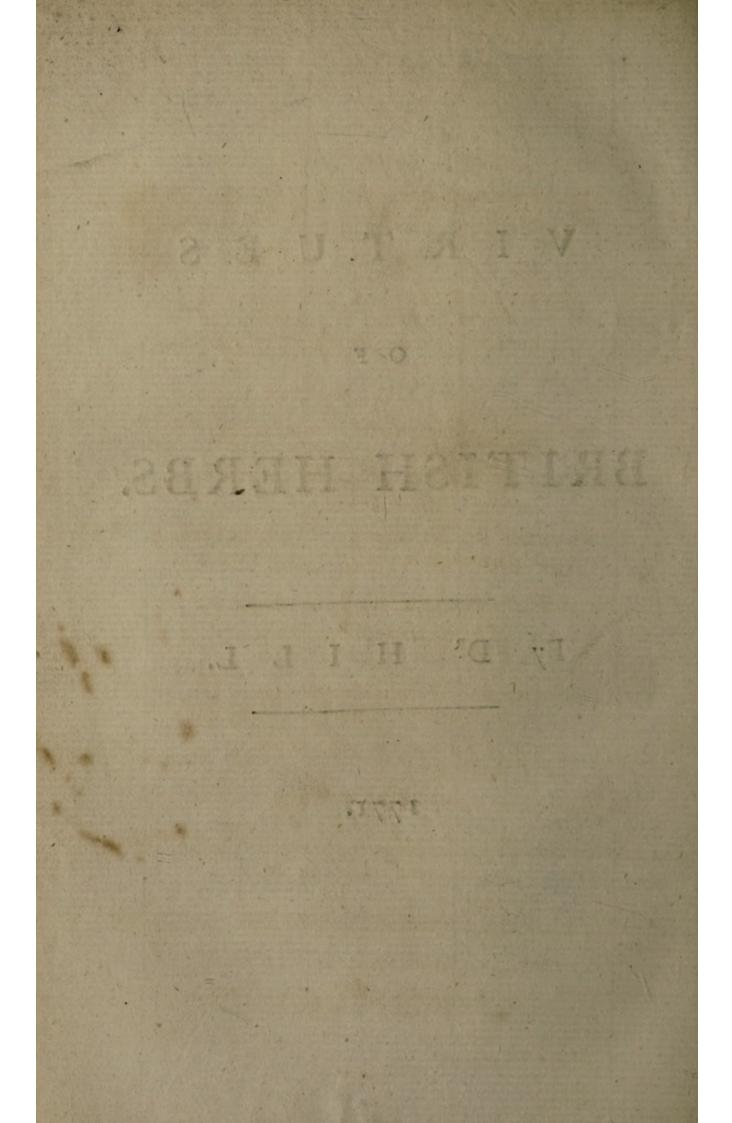
VIRTUES

OF

BRITISH HERBS.

By D^R H I L L.

1771.



VIRTUES

OF

BRITISH HERBS.

WITH THEIR

HISTORY, and FIGURES,

And an Account of the DISEASES they will cure;

CONTAINING,

CURES-Of CONSUMPTIONS by COLTSFOOT Tea; Of HECTIC FEVERS by the DAISY; Of COLICS by Leaves of CHAMOMILE; Of Agues by its Flowers:

And a CASE, of the HOOPING-COUCH, cured by a Tea of the fresh Root of ELECAMPANE.

CURES—Of the GRAVEL by a Tea of GOLDEN-ROD; Of the SCURVY by EUPATORIUM; Of the PILES by YARROW:

An Account of the eminent Virtues of PETASITE ROOT in PESTILEN. TIAL and all other FEVERS, and the PLAGUE itfelf :

> Of TANZY for the WORMS; Of CONSOUND as a VULNERARY;

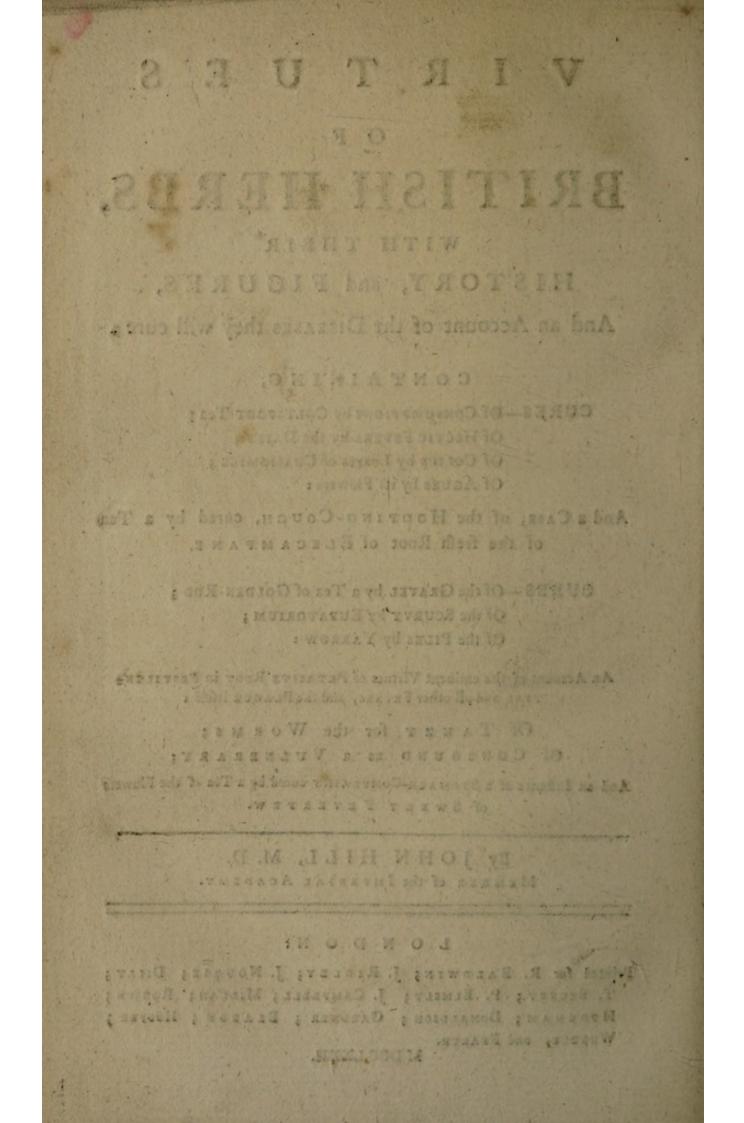
And an Inftance of a STOMACH-COMPLAINT cured by a Tea of the Flowers of Sweet Feverfew.

> By JOHN, HILL, M. D. MEMBER of the IMPERIAL ACADEMY.

LONDON:

Printed for R. BALDWIN; J. RIDLEY; J. NOURSE; DILLY; T. BECKET; P. ELMSLY; J. CAMPBELL; MILLAN; ROBSON; HOOKHAM; DONALDSON; GARDNER; BLADON; HOOPER; WHEBLE, and PEARCH.

M,DCC,LXXII,



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INTRO TO UT OT TOUL

INTRODUCTION.

Reader perfedly with the Plant that is recom-

manded to be uled : and to prevent all occulion

Thysic

THE Author having read a great deal, and feen fomething, of the Virtues of Plants of our own Growth, intends here, to the beft of his abilities, to be useful: recounting all that is justly attributed to these Plants by respected Authors; and confirming, by authentic cases, whatever has been repeated within his own experience.

Having lately written a Hiftory of the British Plants in a succinct manner, and in the Latin language; intended principally for the use of A 3 Physicians,

legown with certainty, may be ferviceable

INTRODUCTION. vi

Phyficians, he propofes here to deliver the Accounts of their Virtues, and Rules for administering them; fitted for general service, and in our own tongue : and to lay down the whole more at large, than was needful to those who were already acquainted with the practice of Phyfic.

The first care will be to acquaint the Reader perfectly with the Plant that is recommended to be used : and to prevent all occasion of error, a Figure and Hiftory will be given, not only of the right kind, but of all others of the fame Name, and general Nature ; which might be mistaken for it; tho' they have no particular virtue, or perhaps have even contrary Plants by refpected Authors; and consistilaup

by authentic cafes, whatever has been repeated

Next, the Disease in which the Herb, thus known with certainty, may be ferviceable, will be fo explained, that all error in that article may be alfo avoided. adam Baisoul a ni menter

Phylicians,

language ; intended principally for the ule of And

INTRODUCTION.

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And the last care will be to direct in what manner the falutary Plant may best be used in families.

Befide the English Name of every Herb, there is given the Latin one: and this, it is earnestly recommended to all persons, to accustom themselves to use. There is great and valuable knowledge easily to be acquired on this subject; and it should be propagated universally: but this way alone that can be done.

will be happy, if by

The English Names of Herbs are equivocal; the fame word is often used by our authors as a Name for many different Plants: but in the Latin all is certain. As our own Names can be only understood in our own country; when we use a Latin one the whole world knows what we speak of: and by the arrangement here, (when the Tables of Method relating to the whole are published,) as all Plants of a like kind are placed together, and their distinguishing characters are given, any will be found with eafe.

A 4

Lungwort

viii INTRODUCTION.

Lungwort is equally the English Name of a kind of Hawkweed, of a fort of Moss, and of a Plant approaching to the nature of Hound'stongue: now when an Herb is directed under that Name, no one can tell which of all these is meant. In Latin their Names are as different as their Nature; and in using those, there can be no mistake. A thousand instances of like kind might be produced : but one is as good as a thousand.

It will be happy, if, by the fame means, the knowledge of Plants alfo become more general. The ftudy of them is pleafant; and the exercife of it healthful. He who feeks the Herb for his cure; will often find it half effected by the walk: and when he is acquainted with the ufeful kinds, he may be more peoples, befide his own, Phyfician.

but this way alone

This knowledge is not to be fought in the old Herbals; they contain but a finall part of

INTRODUCTION.

of it: and what they hold is locked up in obfcurity. They are exceflive in their praifes : and in faying too much; they fay nothing. All virtues are, in a manner, attributed to all Plants ; and 'tis the fkill alone of a Phyfician that can feparate, (in those that have any) which is the true. Turn to the Herbals of Gerard Parkinson, or the more ancient Turner, and you shall find, in many instances, virtues of the most exalted kind related of Herbs, which, if you were to eat daily as fallads, would cause no alteration in the body.

But we are not to conclude from this, that Herbs do not poffess real virtues. Very many of them do; and of kinds so eminent, that phyfic would be but a poor art without them. To diftinguish these, and to teach perfons not bred to physic how to apply them, is the good intended in this Publication : and even beyond the bounds of written lessons, such opportunities, as the Author of it has to promote this purposed utility, will never be withheld from any.

If

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of it: and what they hold is focked up in

If any one entertains a doubt concerning the Plant he would use, after comparing it with the Figure and Description, the Gardener at Bayswater shall give a sample of it, for afking : and all Perfons may command the farther Opinion and Directions of the Author when they pleafe.

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have are not to conclude from the sing

Herba do not poffals real virtues ? Vert many

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white will never be withheld from after

St. James's Street, I ab which say of grow now Nov. 3, 1771. J. HILL.

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VIRTUES





VIRTUES

BRITISH HERBS.

HERBS

eaves are pole, think, and dow

Which have a radiated Flower; growing in a divided Cup.

1. OTHONNA.

SEGGROM.

their wool grows I. I share it. Taken in.

The Cup is deeply divided, into a number of long, flat Teeth.

I. OTHON-

1. OTHONNA INTEGRIFOLIA. MOUNTAIN RAGWORT.

Plate 1. Fig. 1. The Leaves are undivided.

This is a Weed of our high Pasture Grounds; but not common: it scarce exceeds eight Inches in height; but it grows upright; and has no Branches.

The Leaves are pale, thick, and downy.

The Flowers are of a light yellow; they grow in a Clufter at the Top of the Stalk, and have a Circle of narrow Leaves under them.

They blow in July.

Befide the Virtues which are known in Plants; it will be useful to give Cautions of their Danger. Careful farmers fay this hurts their steep : that their wool grows loose on eating it. Taken inwardly it is an acrid, and a dangerous purge. There is a kind, scarce differing from this, which manifests the same ill qualities, in Switzerland.

[12]

fature innovation, however fupportedy

We have in this, and the fucceeding Plant, a firiking inftance of the value of Latin names. Othonna, or Cineraria, belongs to both thefe; and each has, under these names, a just distinction by its fecond term ; the one by Integrifolia, and the other by Paluftris. The name Othonna belongs to no British Plant beside these two; and will be understood, not only here, but in all nations : Whereas the Term Seggrom, which is diffinctly and truly the name of these Plants, is in our language applied also to the common Ragwort, an Herb of our Pastures, and to Groundfell, a Weed of our Gardens : and, to encrease the confusion, it is, in common speaking, not given to either of these two; for custom calls one of these Ragwort, and the other Fleabane. Many words would be needful to explain these equivocal expressions, if used in directing the Plants for Medicine; and perhaps, after all, it would not be done well : but the Latin name removes all doubt at once : it belongs to nothing elfe, and it is known univerfally; nor will any future 5 preceding

future innovation, however fupported, change it in the judicious mind; or prevent the Plant's being diffinctly and perfectly known, by all perfons, under this denomination.

2. OTHONNA PALUSTRIS. MARSH FLEABANE.

and each has, under thele n

is in our language, a

Plate 1. Fig. 2,

will be underfibod, not enly here, but in all

The Leaves are deeply cut.

This is an inhabitant of our marshes, toward the fea: a perennial Plant.

It grows to a Yard high, but with few Branches.

The Leaves are of a fresh green ; very smooth, and delicate.

The Flowers are yellow, large, and not unhandfome.

They blow in August.

Its qualities too much refemble those of the preceding preceding kind. Cattle, brought from other places, into fome lands belonging to myfelf, near Whitlefea, in the Ifle of Ely, have fallen into difeafes on eating it: Thofe bred where it grows are obferved not to touch it.

HERBS

their heads ; has the Tuits of Sted that fello

Which have a radiated Flower, growing in a Cup, formed of one row of diftinct Scales.

I. BIDENS. HEMP AGRIMONY.

Cattle are not fond ? Plate 2. bnot ina ert eltes

The Scales which compose the Cup are hollowed.

1. BIDENS CERNUA. DROOPING HEMP AGRIMONY.

Plate 2. Fig. 1.

The Leaves embrace the Stalk at their bafe.

This

This is a common Plant about the ditches in Ireland : but it is scarce with us.

It has a branching reddifh Stalk of about two Feet high. d'éstite on éating it: Thofe bred a

The Leaves are of a deep, dull green, and fmooth.

The Flowers are of a dead yellow : they hang their heads; but the Tufts of Seed that follow stand upright.

It is an Annual; it flowers in July, and lafts till the froft kills it. formed of one row of

60002

This is one of the very many British Plants, concerning the Virtues of which we are perfectly ignorant. No one has yet tried it ; but there are reasons to suppose its qualities are eminent. Cattle are not fond of it. This often is a mark of great medicinal virtues; as well as fometimes of mischievous powers. BIDENS.

The fmell is ftrong, and fingular ; the tafte is fharp, and biting, with a little bitternefs.

The Leaves embrace the Stallt at their bafe ..

This

There

There is a Plant, of Ceylon, called Acmella, a kind of Verbefina, diftinguished beyond all things in the cure of the Gravel. This has its very tafte and smell, and flavour; and Chymistry has shewn their near refemblance: A careful successor of Nebelius made this trial; and 'tis pity fome one has not, in like manner, examined into its qualities in medicine. 'Tis one of the Herbs to be recommended to the practisting Physicians; and will not want its place among those hereafter to be examined, by the Author of these observations.

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If there could want more proof of the propriety, nay the neceffity, of fpeaking of Plants under their Latin names, we have another here before us. This Herb is here recommended to the practifers of phyfic, for trial, in a great and terrible, and yet a very common difeafe : now if we fhould have given it only its Englifh name, Hemp Agrimony, that is also the name of the herb Eupatorium, a Plant as different from this as two things well can be from one another; in tafte,

aufter to its localed maine, and its Defeription,

Nº I.

in

in fmell, and virtues, as well as in its form: for this other Herb, called alfo Hemp Agrimony in English, is a purge.

very talke and fmell, and flavour ;

Two perfons, in two places, using those different Herbs under the fame name, could never confirm, or fo much as believe, each other's accounts: and there is no other way to truth in medicine, but by these mutual trials : But when we call the Herb by its distinct Latin name, Bidens, it is impossible this error should have place; or any other, when we apply farther to its second name, and its Description, and Figure here.

2. TUSSILAGO.

sincly the noredisverof focaleing of Plants

COLTSFOOT.

Plate 2.

VIN STER DI

The Scales which compose the Cup are flat. 1. TUSSI-





[19]

1. TUSSILAGO FARFARA. COMMON COLTSFOOT, Plate 2. Fig. 2. The Leaves are hearted.

This low Herb fpreads its Root in damp and clayey grounds; from which the flowers rife early in Spring, before the Leaves appear; and fade, and are quite gone by that time these have attained their natural fize: a thing that looked fo fingular to our ancestors, they called the Plant, The Son before the Father.

The Stalk is about feven Inches high, leaflefs, but hung about with fkinny films; and on its top there ftands only one Flower.

The Leaves, which are in their perfection when this part is quite gone, are roundifh, and notched; as broad as one's hand; of a pale green; white and downy underneath; and of a tough, firm fubftance.

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The Flower is lemon-coloured; and large.

The Root is perennial; and the Leaves are to be had till Winter. These are the part which contain its great virtue: they have a soft and mucilaginous, but somewhat bitter tafte.

They are good in the Gravel, and Inflammations of the Kidneys; but their great virtue is in difeafes of the Breaft; in Afthmas particularly; and in Confumptions. The beft way of taking Coltsfoot is in decoction; for it does not fo fully or well communicate its virtues to fpirit. The way to have them beft of all for ufe is this:

Clip fmall a quantity of the Leaves fresh gathered; put them into an earthen pipkin, and pour upon them as much boiling water as will cover them. Let this stand all night. In the morning boil it a few minutes; and put in as much honey as will sweeten it. A half-pint basin

top there flends only one T

basin of this should be drank warm three times a day.

The patient should also have some of the Leaves dried and cut small, and smoke them as tobacco. This is a practice as old as the time of the Romans; and present experience shews it right, and excellent.

Few things will do fo much toward curing a Confumption, as Coltsfoot, used constantly these two ways.

Here let us ftop a moment, and adore the goodnefs of the Divine Providence; which makes the beft things the most common! The Seggroms, which can do only mischief, are found but in a few places: this, so full of excellence, grows at our doors; and we tread it every where under our feet.

Plate 3.

RADI-

Cup is roundeds and its Scales are equal.

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[22]

RADIATED HERBS,

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DOUBLE CUP.

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HERBS

STOWN C

Which have a radiated Flower, growing in a Cup, composed of two Ranges of Scales.

1. BELLIS.

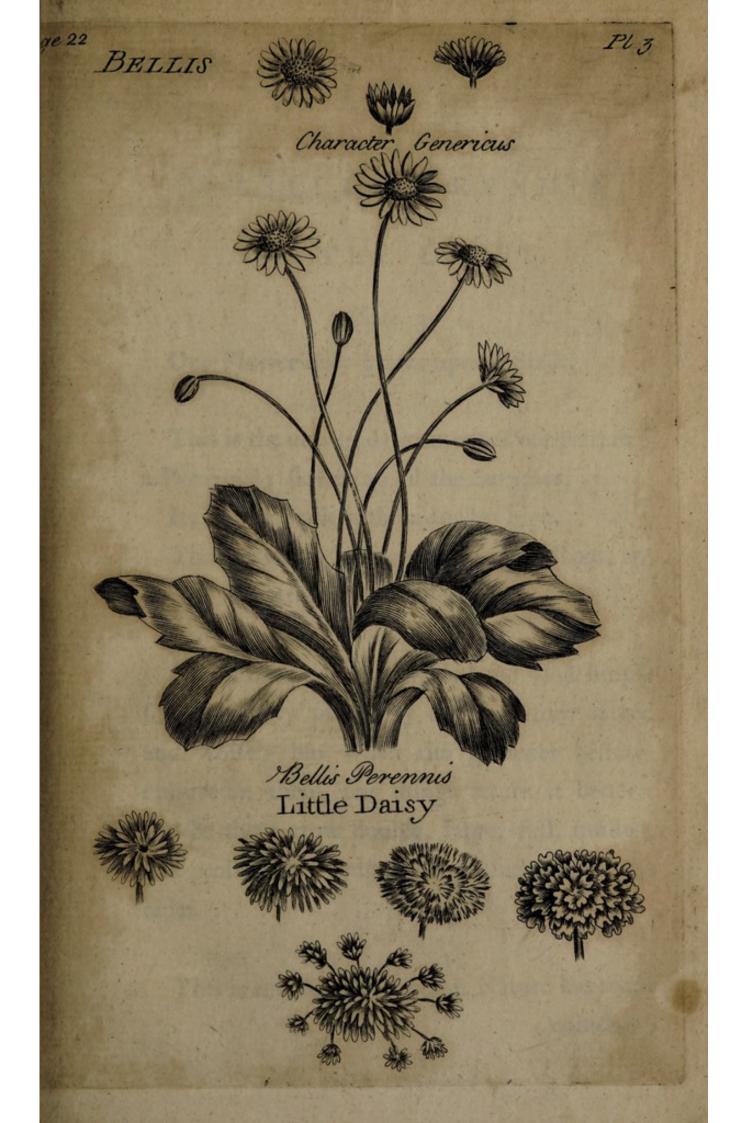
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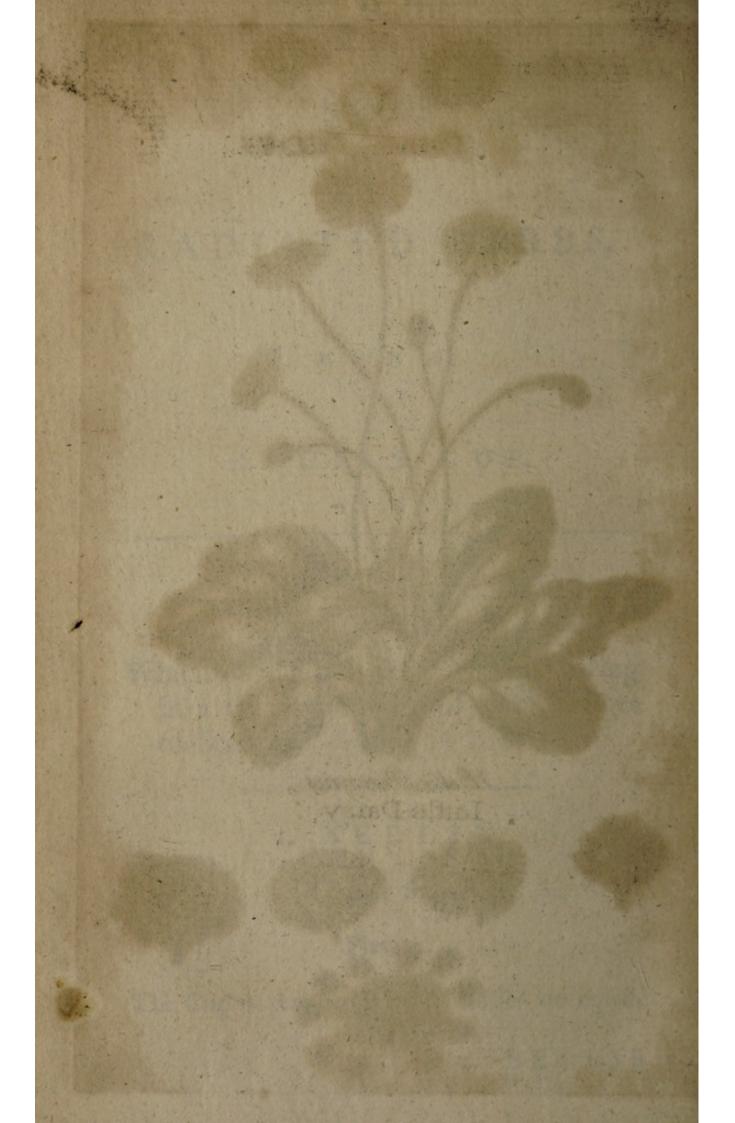
DAISY.

Plate 3.

The Cup is rounded, and its Scales are equal.

1. BELLIS





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1. BELLIS PERENNIS.

LITTLE DAISY.

Plate 3.

One Flower only grows upon a Stalk.

This is the univerfal ornament of our paftures; a Perennial; flowering all the Summer. Its leaflefs Stalk is three Inches high. The Leaves, which grow from the Root, are oblong, fmooth, and of a deep green.

Its Flowers, in their wildeft and most fimple ftate, are very pretty by their mixture of red and white; but when the gardener bestows culture on them, few things return it better : we see them grow double, large, full, quilled, and proliferous; young Flowers furrounding the older.

This is another Herb which Nature has made B 4 common ; common; because it may be useful.—The Daify has great, but neglected qualities; worthy of a serious attention.

Its Leaves contain these virtues. Their taste is that of Coltsfoot, but more mucilaginous; and without its bitterness.

It is excellent against Hectic Fevers; and internal Inflammations, of whatever kind; and in whichever of the Viscera.

An infusion of it should be made as of the Coltsfoot, and just once boiled. It should then be drank in the same manner, with an equal quantity of milk.

Asses milk has ten times its effect if this be taken with it.

and white y but when the cirdoner ballows

2. ANTHEMIS.

CHAMOMILE.

Plate 4.

The Cup is rounded, but the Scales are of unequal length.

I. ANTHE-

[24]





1. ANTHEMIS NOBILIS. SWEET-SCENTED CHAMOMILE.

[25]

Plate 4. Fig. 1.

The Leaves are three times divided, and the divisions are narrow.

This fweet Plant grows wild with us, on damp heaths, and by waters; and has much greater virtues there, than in our gardens.

'Tis a Perennial, fcarce rifing five or fix Inches from the ground.

The Leaves are of a deep green, fragrant, and cut into very fine divisions.

The Flowers are large and white.

Nature offers them to us fingle; and in that ftate they have the greateft virtue; becaufe those yellow Threads which then fill their center poffers it highly: but 'tis the unlucky cuftom of the time to use them double from the gardens.

They blow in July and August.

All parts of this excellent Plant are full of virtue.

virtue. The Leaves, given in infusion, cure Colics; and difpel wind from the Stomach; and are excellent against Indigestion.

The Flowers are a fine and noble bitter. Few things are equal to them in ftrengthening the Stomach, and creating an appetite, as well as affifting digeftion. But more than this, they will cure Agues. I have known them do it after the Bark has failed.

The beft way of taking the Leaves is in a ftrong kind of Tea, in which way even that Colic which attends the Gravel yields to them.

When given to ftrengthen the Stomach, a Tea made ftrong of the fingle Flowers of the Wild Chamomile is beft : and those who have not made it from fuch Flowers know less than half its virtue.

For Agues, the fame kind of Flowers should be dried and powdered, and a scruple taken once once in four hours; and this repeated for four days.

An oil, diftilled from these Flowers, is excellent in Colics; and, what is very fingular, it is blue.

2. ANTHEMIS COTULA. STINKING MAYWEED. Plate 4. Fig. 2.

The center of the Flower rifes, and the divifions of the Leaves fwell in the middle.

This offenfive Plant is common in plowed lands; an annual Weed, that, by its abundance, often robs the crops of their best nourishment.

It grows to a Foot high, branched and fpreading.

The Stalk is ruddy.

The Leaves are of a deep and blackifh green, and of an ill fmell.

The Flowers are white, with a high yellow difk, pointed at top.

They

They blow in May and June.

The Flowers have the fame virtue with those of Chamomile, but in a very inferior degree, and are less agreeable.

F 28 1

The Leaves operate by urine, and fometimes by fool; but both ways roughly and difagreeably. 'Tis ftrange that Hoffman thought these Leaves more emollient than those of Chamomile. Experience shews otherwise.

3. ANTHEMIS ARVENSIS.

CORN CHAMOMILE.

sis offensive Plant is common in plowed

Plate 4. Fig. 3.

The center of the Flower rifes : the Leaves are thin like hairs.

This is the commoneft Weed on our ditch banks.

It grows to a Foot and half high; wild and fpreading.

The

The Stalk is red and brittle. The Leaves are of a dead pale green. The Flowers are large, and white. They blow in June, and last till Winter kills the Plant.

The qualities are those of the fweet Chamomile, but in a flight degree.

4. ANTHEMIS TINCTORIA. OXEYE CHAMOMILE.

Plate 4. Fig. 4.

The Leaves are deep cut, and their parts are dented.

This is a Perennial, native only of our northern counties; but there, it is a pasture Weed, not uncommon.

The Stalk is ruddy, two Foot high, and branchy.

The Leaves are gloffy, of a fresh, pale green, and a little downy underneath.

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The Flowers are of a gold yellow, large, and very handfome.

[30.]

They blow in June.

The Flowers contain the virtue of the Plant. They promote urine; and have often cured the Jaundice. They are to be dried, and carefully powdered. A dram is to be taken twice a day.

They are useful also in manufacture; for they afford a yellow for the dyers.

5. ANTHEMIS MARITIMA.

SEA CHAMOMILE.

Plate 5.

The Leaves are thick and fleshy, and the Cups are downy.

This is an inhabitant of our damp grounds, toward the fea; a very pretty creeping Plant.

The Stalk is crimfon, branchy, and fix Inches long; but it fcarce rifes from the ground.

The





The Leaves are of a fresh, blueish green, and dotted.

The Flowers are finall, and white, with a yellow difk.

They blow in June.

Their virtues are those of Chamomile; but flight and triffing.

Those who live about the sea coasts, where this Plant is common, use an infusion of the Flowers, for Agues; but the powder of the right kind is far better.

HERBS

Which have a radiated Flower, growing in a Cup, formed of many ranges of fcaly Films.

I. INULA.

[3²] i. INULA. E.L.F.W.O.R.

Plate 6.

The Cup is wide, the Scales stand loose, and the lower range is leafy.

I. INULA HELENIUM. ELECAMPANE.

300 54

arenive allaco Plate 6. Fig. 1.

The Leaves are vaft, rugged, long; and hoary underneath.

This is a native of our meadow grounds; and from its virtues is become common in our gardens.

It is a robuft and ftately Plant; a Perennial with a firm and a handfome appearance. It grows to four Foot high.

The Stalk is thick, ruddy, and branched a little.

The Leaves are of a dull, faint green. The Flowers are large, and yellow. They blow in July and August.





[33]

The Root, which is long and large, contains the virtues of the Plant : and few have greater.

It has a fragrant, very agreeable fmell, and a fpicy, fharp, and fomewhat bitterifh tafte. It has long been famous for the cure of all difeafes of the Breaft; and it has alfo great virtues in malignant fevers: but it has others; and those more diftinguishable than these: in strengthening the Stomach, and that way affisting digestion; not in the manner of bitters, but as a warm, invigorating, and animating medicine, it has not its equal: and it cures the Chin-cough in children, when all elfe fails.

"Twere vain to expect these virtues in the dried Root, sold at druggists; which has been baked, ground in a mill, and, tho' cheap enough in itself, yet mixed with flour, to make it cheaper. In that state it has little either of taste, smell, or virtue. The garden must supply it fresh to those who would know its real value. There, as it rises freely from Nature, N° I. C it it is full of all these excellent qualities. The taste and finell, compared with the dry, will abundantly shew this, before we feel its good Effects.

The way of taking it is this :

Slice the fresh Root thin; and to a quarter of a pound of it pour three pints of boiling water. After standing all night, boil it a few moments; and, when cold, strain the Liquor off.

To a pint of this add a quarter of a pint of mountain wine; if 'tis to be given to a grown perfon for diforders of the Stomach: and let a full wine glafs of this be drank three times a day.

When it is intended for the Chin-cough, half the quantity of the Root will be fufficient. It need only be infufed, not boiled : and inftead of the wine, add a quarter of a pound of honey : then give two table-fpoonfuls at a dofe, four times a day.

Nor

[34]

E 35 J

Nor will the virtues of this Root, in curing this kind of Cough, appear at all strange to those who, practifing rational physic, trace up difeases to their cause.

The Chin-cough is not of the nature of those Coughs which follow Colds; it has not the fame origin, nor is it feated in the fame place. A tough and fourish phlegm, lodged on the coats of the Stomach, and adhering to them, is the cause. Nature at once shews this; and points out the way to the cure; by childrens vomiting up such phlegm, after their violent fits of coughing in this difease; and always finding relief from it.

Now, of all medicines yet known, Elecampane Root, when fresh and full of virtue, warms, strengthens, and invigorates the Stomach the best : and by that, cures the disease, and prevents its return.

C 2

£ 36]

This is not a new; but only a neglected doctrine : Walfchmid and Dolæus, great and excellent writers, tho' too little read at prefent, confirm it with reafons; and by repeated obfervations.

Receive an inftance of it here, at home :

Mifs *** ******, of Soho, was brought to me, reduced almost to death by this difease. She coughed by fits for a length of time scarce credible; and that with distracting efforts, and a found that tore the hearts of all who saw, and heard her.

The nurfe had given her Cup Mofs; and the apothecary mofaic gold; in vain. They had fed her with fried mice, (according to a boafted family receipt) to loathing; but that could be to no purpofe. A phyfician of great worth had followed Sydenham faithfully, and the poor infant had been bled and purged till no ftrength

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strength remained; except in the difease: which grew still worse, as she grew weaker.

"Twas in this state I faw the poor, the emaciated little creature; when I directed the Elecampane Root.

She first took a very gentle vomit, a few grains of Ipecacuanha. The efforts this occafioned were nothing; compared but to an ordinary fit of coughing.

A few drops of Lettuce wine composed her for the night; and next day she began to take the infusion, as here directed to be made, with honey, and only of half the strength: two ounces of the Root being used to three pints of water, and that without the boiling.

From the time she began this she used no other drink; and from that time she gradually recovered,

C 3

Her

Her body was, in the mean while, kept open; not by purges; for they irritate; but by glyfters: and fhe became fo well, that the fervants here would not believe 'twas the fame child, tho' brought by the fame perfon.

What infinite good may arife from this eafy remedy being once made univerfally known ! 'Tis fo innocent that none need fear to adminifter it. And if in any cafe circumftances rife which require particular advice, fuch as I can give, they always may command who want it.

Since the two first Editions of this Pamphlet were published, a great deal of good has been obtained by this Plant : and the more it is used, the more it will be esteemed.

2. INULA DYSENTERICA. MIDDLE FLEABANE.

Plate 6. Fig. 2.

The Stalk is woolly; and the Leaves are oblong, and clammy.

3

This is an ugly and ill-looking annual Weed, frequent on wafte grounds and by way-fides.

It grows to a Foot high, with a few Branches.

The Leaves are pale, and whitish; and stick to the Fingers on touching them.

The Flowers are of a light yellow. They blow in August.

One fcarce would think any thing refembling Elecampane in fmell, would be difguftful : but this, tho' with the real flavour of that charming Herb, is highly fo : and in its tafte is acrid, and forbidding.

3. INULA PULICARIA. SMALL FLEABANE.

Plate 6, Fig. 3.

The Rays of the Flower are very fhort: the Leaves are fhort and waved,

C 4

This

This is another ill-looking annual Weed, frequent in wet wafte places.

[40]

It grows to eight Inches high; but commonly lies, in part, upon the ground.

The Stalk is of a ruddy brown.

The Leaves are short, small, and of a dull dead green.

The Flowers are fmall, very poor, and of a dirty yellow.

They blow in August.

The fmell of this and the former are supposed hateful to infects; and the juice destructive of them.

4. INULA CRITHMOIDES. GOLDEN SAMPIRE. Plate 6. Fig. 4.

The Leaves are three pointed.

This beautiful perennial Plant is the ornament of our fea marshes.

It grows to a Yard high, with many Branches.

The Leaves are of a blue green; thick, fleshy, and juicy.

The Flowers are of a gold yellow.

They blow in June.

II.

CHRYSANTHEMUM CORN MARYGOLD. The Cup is elliptic, and its Scales ftand close :

the inner range of them is thin.

I. CHRYSANTHEMUM SEGETUM. CORN MARYGOLD.

Plate 7. Fig. 1.

The Root Leaves are oblong, and deep dented. This It grows to two foot high, with many fpreading Branches.

The Leaves are gloffy, and of a blue green. The Flowers are large, and of a gold yellow. They blow in August.

2. CHRYSANTHEMUM LEUCANTHEMUM. GREAT DAISY. Plate 7. Fig. 2.

This is a biennial Plant; an ornament of our pasture grounds, as the other of our corn fields, in Autumn. It is no way related to the Little Daify of our meadows, in character or virtues; only in name.

It grows to two foot high, with few Branches.

The Leaves are of a deep, dead green, and fmooth.

The Flowers are vaft, and of a milky white. They

[42]









They blow in August.

The tafte of this Plant is fharp and acrid : and it has no fmell. Its virtues have not been enough enquired into.

It is a fharp and pungent diuretic; cleanfing the kidneys: but many and careful trials fhould be made of it before 'tis freely used. An infusion contains all its virtue; and has the heat of Cardamoms, or Cubebs. Any boiling weakens it.

III.

ASTER.

STARWORT. The Cup is conic; the Scales of it are leafy; and their points ftand out.

ASTER TRIPOLIUM.

SEA STARWORT.

Plate 8.

The Leaves are narrow; and the Flowers are many.

Multitudinous

Multitudinous as the kinds of After are, with which the warmer parts of Europe, and, most of all, America, have filled our gardens; this is the only one that graces our country wild.

It is a Perennial; native of our damp grounds near the fea, and great rivers; a handfome Plant, of a Yard high.

The Stalk is ruddy, and branched.

The Leaves are fmooth, and of a very fine green.

The Flowers are numerous, large, and blue. They blow in August.

Of its virtues nothing is known.

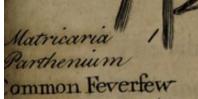
IV.

MATRICARIA.

FEVERFEW.

The Cup is rounded: and its Scales are very numerous, and very narrow.

I. MATRICARIA



ATRICARIA

haracter Genericus

Matrcaria Maritima Sea Feverfew

Matricaria Chamomilla Com Feverfew

2



I. MATRICARIA PARTHENIUM. COMMON FEVERFEW.

Plate 9. Fig. 1.

The Leaves are cut, down to the Stalk, in broad and flashed divisions.

This is a Weed of our wafte grounds; and is no where fo frequent as about farm-houfes; a perennial, bufhy Plant.

It grows to two Foot high, with a pale Stalk, and many Branches.

The Leaves are of a faded yellowifh green. The Flowers are very numerous, and white. They blow in June.

The whole Plant has a ftrong and very particular fmell, and a bitterish taste.

Provident Nature, which has placed this Herb every where at our doors, has doubtlefs given to it thefe firiking qualities, to invite us to its ufe; which is indeed very great.

[45]

In diforders arising from an obstruction of evacuations peculiar to the female fex, its virtues are beyond all praife; and above all value.

Steel given on these occasions tears the conflitution; and, for a little present good, sometimes entails a lasting series of diforders. The chymical preparations of Steel are yet by many degrees more hurtful than its simple felf; but we have here an innocent Herb, incapable of harm, ready at hand, that will do all the good that can be expected from them; without the possibility of mischief.

The fact is the fame in a thoufand other inftances; for our own Herbs are as full of virtue, as defitute of mifchief: and I do, in Chriftian truth, believe, (tho' 'tis a very bold conclusion) that more good may be done in the world by Herbs; than mifchief by chymical preparations.

For the use of this Plant no medical art is needed :

needed : the Leaves are to be ftripped off, and boiling water poured on them. A ftrong tea is to be thus made of Feverfew; and it is to be drank by half-pint bafins. Three in a day will be fufficient.

[47]

In the worft Head-Achs this Herb exceeds whatever elfe is known.

A lady of great worth and virtue, the mother of the late Sir William Bowyer, told me, that having in the younger part of her life a very terrible and almost constant Head-Ach, fixed in one small spot, and raging at all times almost to distraction; and which the neighbouring Dr. Thorold, of Uxbridge, very eminent in his profession, had attempted in vain to remove; she was at length cured by a maid-fervant, with this Herb.

The lady drank the tea of it plentifully; and applied the warm leaves, of which the tea had been made, to the part. The complaint ceafed; and never returned. The [48)

The frequency of Head-Achs, and the Relief obtained by many from this Herb, fince the first publication of these Sheets; have brought before the Author a number of Cases, in perfons of all ranks, from the very highest to the poor; in some of which candour obliges him to say, the advantage was but temporary; the pain, after a few days, returning. These were mostly Cases where a thickness of Blood, and long obstructed vessels, threatened worse consequences; Palsies, or Apoplexies: but these also may be cured by a volatile Spirit from the Herb, distilled with Sal Armoniac. The Reader will accept the following instance.

A gentleman about Fifty, a perfon of honour, and not hafty in forming his opinions, gives the account.

He took a Tea of Feverfew for a vehement Head-Ach; which it always alleviated; and fometimes, for a few days, removed: but the complaint ftill returned upon him.

It

It was a fettled heavinefs, and dull pain; with frequent fhootings, that cut like knives: attended with giddinefs, dimnefs of fight, and a difturbed imagination. He applied to the Author, who diftilled fuch a volatile Spirit from the fame Herb, which has perfectly cured him. This gentleman is otherwife healthy, excepting for the Gout; and tho' he cannot fay how far this Medicine may have affifted, yet it is certain he has been, fince the taking it, much ftronger on his feet, than of fome time before.

[49]

2. MATRICARIA CHAMOMILLA.

SEA FEVERIEW.

CORN FEVERFEW.

Plate 9. Fig. 2.

again cut down to the rib.

The Leaves are cut into many parts, as fine as threads.

This is an annual Weed, hateful to farmers: but it has its virtues. N° I. D It

[50]

It grows to a Foot and half high.

The Stalk is flender, pale, and branchy.

libbig dian ba

The Leaves have no fmell.

The Flowers are large, and white. They blow in July.

These have the virtues of those of Chamomile; but with more cordial warmth.

dicine may have affifted, watch is certain inc

3. MATRICARIA MARITIMA.

his feet, then of fome time bet

SEA FEVERFEW.

A MATRICARIA CHAMOMILLA

The Leaves fwell up, and are thick; and they are composed of many parts, which are again cut down to the rib.

This is a fea-fide, perennial Plant, frequent in Cornwall.

Plate o. . Fig. 2.

It grows to eight Inches high, upright; and branchy.

The

The Stalk is thick, and ruddy.

The Leaves are of a dull green; hollow underneath, and rifing on the upper fide.

The Flowers are white, with a low yellow difk.

for it be made with

They blow in August,

Its virtues are not known.

THE candid Reader has here laid before him, the Specimen of a Method, by which it is proposed, to learn; to ascertain; and then to make public, The Virtues of the Plants of Britain.

Where nothing is known, nothing is afcribed to them: where many things have been faid, fuch alone are mentioned hereas have been proved by experience: where there is a probability of virtue, the herb is proposed for trial; and reafons are given for that opinion: and where danger threatens; that is also mentioned.

Upon this plan, tho' the observations of many are requisite; the means of them are rendered

eafy :

eafy: and the caufe truly deferves them. There are in England, on a free conjecture, fifteen hundred Plants which promife, by their tafte and fmell, confiderable virtues: of these more than a thousand yet remain to be tried: And every advance is fomething to the general good; fo it be made with accuracy.

its virtues are not known.

The first thing, to this purpose, must be to know, and make known perfectly thePlant itself, to others: and in the method here employed 'tis hoped that is not difficult. The general heads of the characters; and the descriptions of the parts, are plain at least; and obvious: and the superadded diffinctions, which mark the gradations next under them, 'tis hoped are evident. Those which diffinguish kind from kind, and Plant from Plant in the same kind, are eastier yet, and cannot be mistaken: and herein lies the reality of knowledge.

Every one knows what a radiated Flower is; for every one has feen a Sun-flower, or a Marygold : gold: when therefore he fees fuch a Flower, whofe Cup has only one row of Scales, he finds here, that only two kinds of English Plants have that character; and looking to the next distinction, he fees, that if those Scales are flat, the Plant is Coltsfoot; if they be hollowed, it is Bidens. This is short and easy: more is not needful; and the Plant can never be mistaken.

Thus he will be led to know every Herb he finds; by referring it to its characters; those whose virtues are unknown, as well as those we are better acquainted with; for all are here: and all are necessary to be known; not only for distinction from each other; but fince all may have virtues.

There is a plain neceffity also for knowing all the Plants of the fame name or kind with that in use; because the greatest errors may be fallen into by using one of those kinds for another.

5

Night-

[54]

Nightshade, for instance, is a name of many Plants; all of one general kind; but of most different virtues. There is one whose proper dose is two ounces; another that can make great alterations in the body by a quarter of a grain : and one whose roots, and several whose fruits, are eaten at table. Therefore he who should fay, give Nightshade in such a case, would preferibe under a dangerous name; till all these were known afunder.

Hence also appears their folly (for it deferves no better name) who would advise men to seek the virtues of Herbs merely by their forms, or characters.

adion from each other's but fines all may

hal sel lilys 5

We fee in this fmall fpecimen, that, among radiated Plants, one is ftomachic, another pectoral, a third a powerful diuretic ; and fo on : yet are no Plants more naturally or juftly joined in character, than those with radiated Flowers. And even, beside all this variety of virtues in these; the Doronicum and some others of this kind, kind, are poifonous. It is experience, not the forms of Plants, must lead us to the truth : but that, unless we are accurate, is useles.

The Author of these carefully confidered Pages hopes, by their means, to make such accuracy easy, and familiar. God has given him many bleffings: the Public are the means thro' which he has received them; and this is the return which piety and gratitude demand. For once the motive will not be mistaken; for those who see the nature and price of the present Publication, will not suppose 'tis dictated by interest.

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Cour - Page 40

42.1 Sheep defleyed and Ibilly

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S.

I

VIRTUES of BRITISH HERBS.

NUMB. II.

CONTAINING,

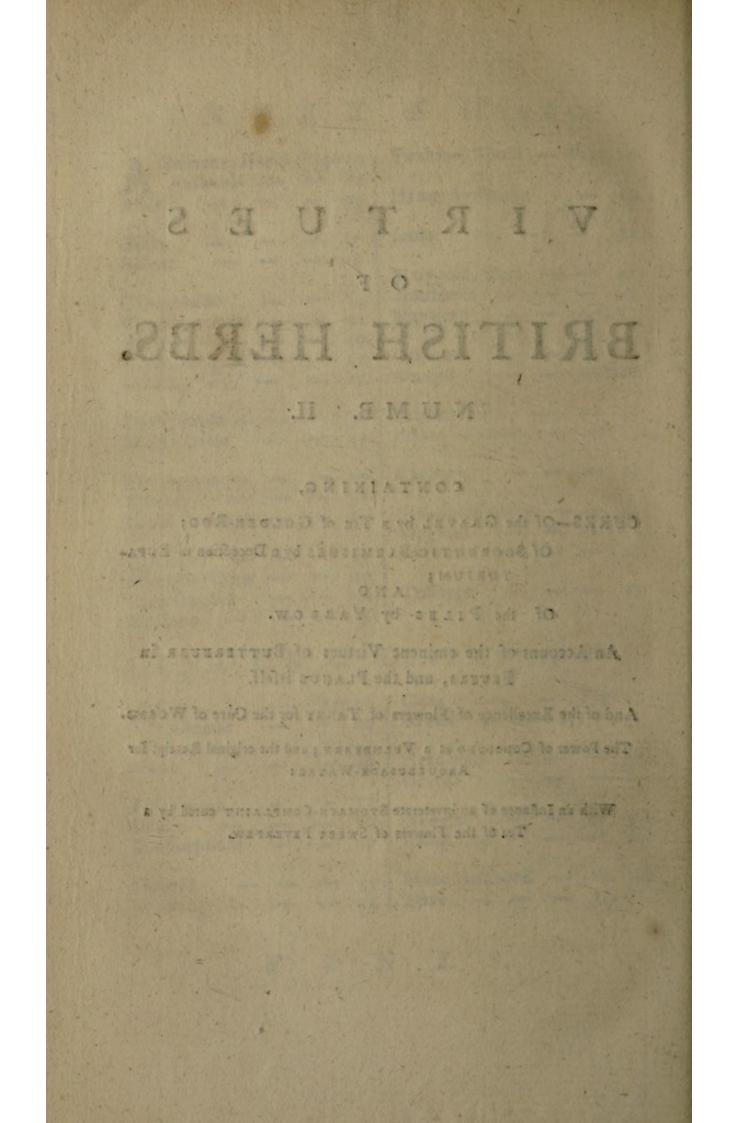
CURES-Of the GRAVEL by a Tea of GOLDEN-ROD; Of SCORBUTIC BLEMISHES by a Decoction of EUPA-TORIUM; AND Of the PILES by YARROW.

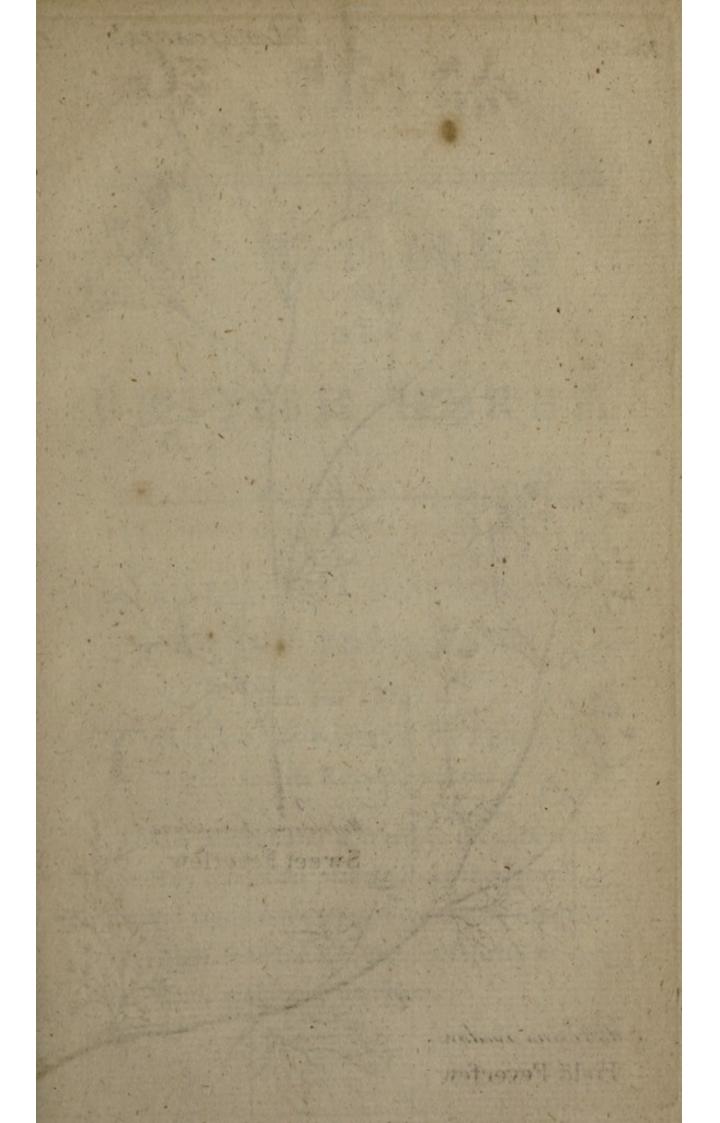
An Account of the eminent Virtues of BUTTERBURR in FEVERS, and the PLAGUE itself.

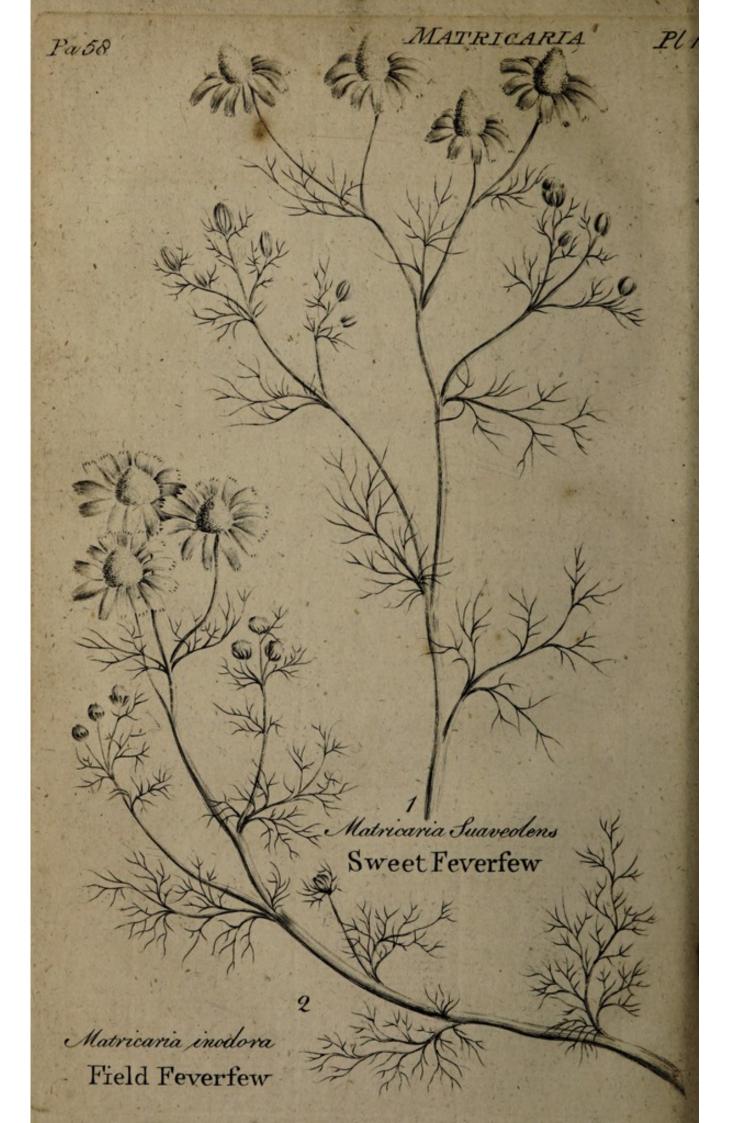
And of the Excellence of Flowers of TANZY for the Cure of WORMS.

The Power of CONSOUND as a VULNERARY; and the original Receipt for ARQUEBUSADE-WATER:

With an Inflance of an inveterate STOMACH-COMPLAINT cured by a Tea of the Flowers of Sweet Feverfew.







[59]

. bush burn arris while it is

f a duffey green color

a poly is the vitter and

VIRTUES

OF

BRITISH HERBS.

MATRICARIA SUAVEOLENS.
SWEET FEVERFEW.
Plate 10. Fig. 1.
THE difk, or center of the Flower rifes high; and its Rays turn back.

This is an Annual; a Weed in the corn fields of Suffex; and other places where the ground is light and fandy: it grows to twelve or fourteen inches high, fometimes to two foot; with an upright Stem, and many branches.

Nº II.

The Stalk is ruddy, firm, and hard. The Leaves are cut into divisions as fine as threads; and are of a dusky green colour.

The Flowers are very numerous, large, and white; only the difk, or central part is yellow.

They blow in June.

The Flowers of this Plant have an agreeable bitternefs; and they poffefs the virtues fuch a tafte declares : they are ftomachic in a very high degree. I had a fingular and ftriking inftance of it some years ago. The late Duchess of Richmond, most excellent of women; most charitable and most beneficent; through whose means, I perfuade myfelf, I have done fome good in Suffex; defired me, when once at Goodwood, to vifit a farmer's wife in the neighbourhood, who was perifhing from mere want of nourishment. An aversion to all food had poffeffed her for many months; not to be accounted for by any means; or equalled by all that has been written in medicine. It was fcarce poffible to get her to tafte any thing whatever ; and

and a few minutes after the leaft morfel was got down, fhe always threw it up again.

ſ 61]

I found her in the use of a Tea made from this Plant; and as her friends thought it promised good, I recommended the continuance of it. The Tea was made only from the yellow centres, or disks of the Flowers, clipped into boiling water. A Clergyman in the neighbourhood had taught her the method, and shewed her the Plant. The infusion was the most grateful bitter that could be tasted. Her stomach, which abhorred Gentian, and the like, bore this : and by a constant perfeverance in its use the was cured.

Among the receipts of country families are found many inftances of fuch peculiar virtues, in particular Species of Plants: he will be very ufeful who shall affist in collecting them together, and making them generally known.

B 2

NOT A STONIO S STATISTY

2. MATRICARIA INODORA. FIELD FEVERFEW.

Plate 10. Fig. 2.

The difk of the Flower is broad and low; and its rays fpread out flat.

This is an Annual: a Weed on our dry ploughed grounds and ditch banks : it grows to half a yard high ; in a wild ftraggling manner.

The Stalk leans in part upon the ground, and fpreads toward the top into feveral Branches : its colour is a dark,' and coarfe green, often stained with red.

The Leaves are of a deep and dufky green : and when bruifed, they have a raw unpleafant fmell.

The Flowers are large, and of a milky white, with an orange-coloured difk.

They blow in August, and September.

The great use of this Herb is external. The whole Plant with its Flowers beaten, and made into

62]





into a poultice, with fome bread and milk, and a little oil, foftens and difpofes to maturation. It is emollient, and at the fame time warm; which is for this purpofe a happy mixture of qualities. I have feen it ufed with great fuccefs; and wifh the Surgeons would attend to it: there is nothing they want more.

V.

ACHILLEA.

YARROW.

The Cup is egg-shaped : and its scales are oval; and turn in at the points.

1. ACHILLEA MILLEFOLIUM. COMMON YARROW.

Plate 11. Fig. 1.

The Leaves are cut into a multitude of fine finall parts.

B 3

This

This is an upright, and not unhandfome Plant, common in our pafture grounds; and (like many others) of much more use and value than is generally known. It is a Perennial, and grows to two foot high.

The Stalk is upright, covered with Leaves, but deftitute of Branches. Its colour is a dull, and fomewhat greyish green.

The Leaves are of a deep dead green colour, and of a tough fubftance.

The Flowers are usually white; but 'tis a common, and very pretty variety to see them of a delicate crimson: and 'tis worth knowing, that the Flowers of this colour produce Seeds which will always raise red-flowered Plants.

They blow in July and August.

Lord E —— first told me, that Horses loved the young Leaves of this Herb: and that it might be used to increase the quantity of food in dry pastures; that yield naturally but little grass.

Some Writers of great name and worth, have taken pains to tell us what Plants Cattle will not

I late #1.

[65]

not eat: they judge of this by looking at what are left in grounds where they have fed; and all fuch they direct to be rooted up. We have in this an instance, that more care is needful than men commonly will take, to fhew what is and what is not valuable. Yarrow is a Plant left standing always in fed pastures ; for Cattle will not eat its hard dry Stalk; nor have the Leaves any great value after this rifes : but Yarrow ftill is useful. I fowed fome in a barren patch of grafs ground; and all the while the Leaves were tender, the Cows and Horfes eat them heartily: It proved wholefome, and doubled the natural produce. On cutting down the Stalks as they rofe, the Plant still kept in leaf and freshness; growing as it was eaten.

As a Medicine, Yarrow always has been eminent: it alleviates pain, and reftrains violent bleedings. The Piles are a most frequent and most troublesome illness: they will sometimes be distractingly painful; and bleed too much. In this case Yarrow scarcely has its equal. A strong B_4 Tea

[66]

Tea should be made of the Leaves, and drank plentifully; and equal parts of this Herb, and of Toadflax, should be made into a poultice with pomatum; and laid on outwardly. Sleep follows, and the pain grows easy, and the bleeding lessens.

There is an ancient fuperfition of Yarrow curing Tertian Agues; but too idle to be much regarded. A Leaf of it is to be pulled off with the left hand, pronouncing at the fame time the fick man's name; and this Leaf is to be taken. The fame thing has been faid of Feverfew; for in old times names of Plants, as well as now, were too much confounded. The Feverfew feems beft for the purpofe; but doubtlefs it will do as well without the fuperfition.

2. ACHILLEA PTARMICA,

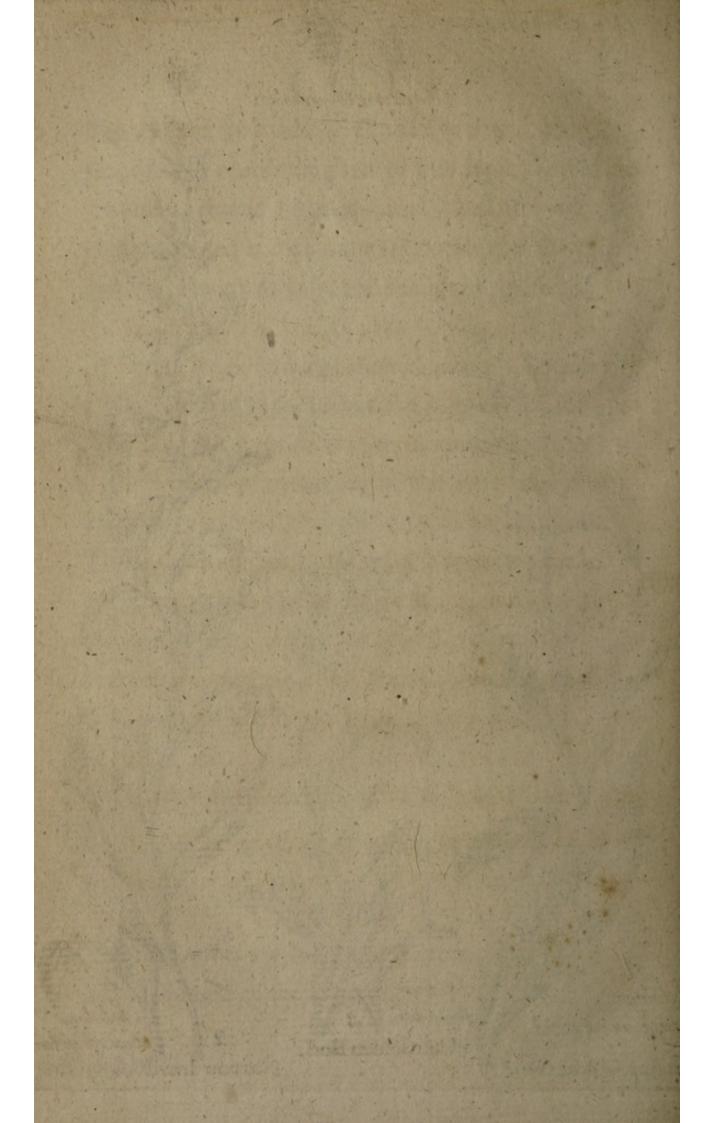
SNEEZEWORT.

Plate 11. Fig. 2.

The Leaves are long and narrow; and beautifully dented at the edges.

This

SOLIDAGO. 66 Pl.12 Character Genericus . Solidago fambriea. Solidago virga aurea. Solidag Augusti Jolia. WelchGolden Rod. Narrow leavedGolden Rod. ommon Golden Rod



[67]

This is a pretty Plant, a Perennial, native of our moift grounds, but not common.

It grows to two foot high, in a regular manner, with many upright Stalks of a pale green, and not much branched.

The Leaves are of a lively green ; and there is a neatness in the indentings round the edge that is very pleasing.

The Flowers are white, with a greyish disk. They blow from July to November.

Culture renders them double ; and they are then a very handfome ornament in our gardens.

This is an acrid, fharp Plant: it brings water into the mouth: and fnuffed up caufes fneezing, and that even to the bleeding of the nofe. It is not one of those Herbs I would wish should be of common use.

VI, GOL-

[68]

anoiti graundit. Hay not cou mon.

Phile is a protey Plant, a Perchaid. no

GOLDEN ROD. SOLIDAGO.

The cup is cylindric, and its fcales are narrow, and turn inward their whole length.

1. SOLIDAGO VIRGO AUREA. COMMON GOLDEN ROD.

Plate 12. Fig. 1.

This is a Perennial; a very handfome Plant, that grows by wood fides, and on heaths and among thickets.

It rifes to two foot high, with an upright reddifh Stalk, turned and bent a little from the joints, and terminated by a long and beautiful fpike of Flowers.

The Leaves are of a deep but not very fine green, and they feel a little harfh.

[69]

The Flowers are of a gold yellow, and numerous, though fmall.

They blow in August.

It is a balfamic, vulnerary Herb; long famous against inward hurts and bruises: but it has greater and more certain virtues.

It is an excellent and fafe Diuretic; few things exceed it in the Gravel; and when there are fmall ftones fo lodged as to caufe heat and forenefs, which are too often followed with bloody or purulent urine; then 'tis this Herb fhews all its excellence.

Its balfamic virtues co-operate with its diuretic quality; and the parts are at the fame time cleanfed, and healed.

No preparation is better than a Tea of the Herb for this fervice; and the young Leaves have the most virtue.

2. S O-

[70]

2. SOLIDAGO ANGUSTIFOLIA. NARROW-LEAVED GOLDEN ROD.

Plate 12. Fig. 2.

This is a very pretty Plant, native of Ireland; a Perennial, that makes a handfome figure on their rocky hills. It grows to a foot and half high; and has few or no Branches.

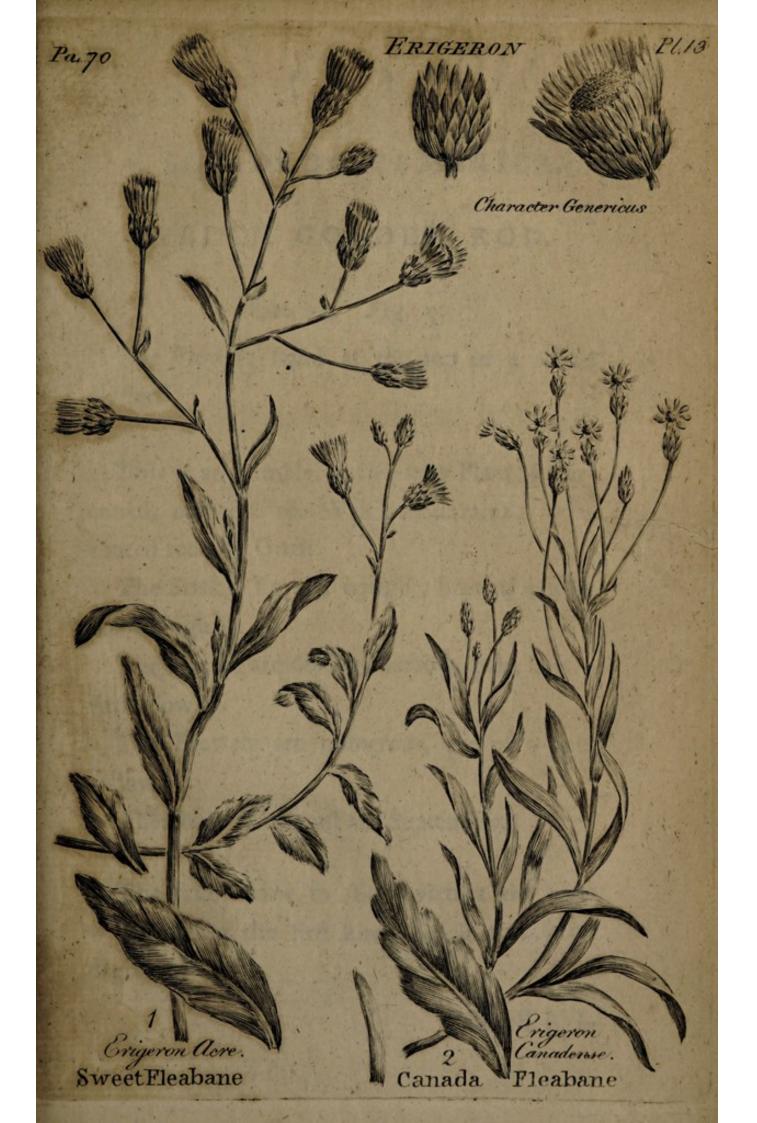
The Stalk is weak, tender, and of a dead green, tinged with a ruddy brown.

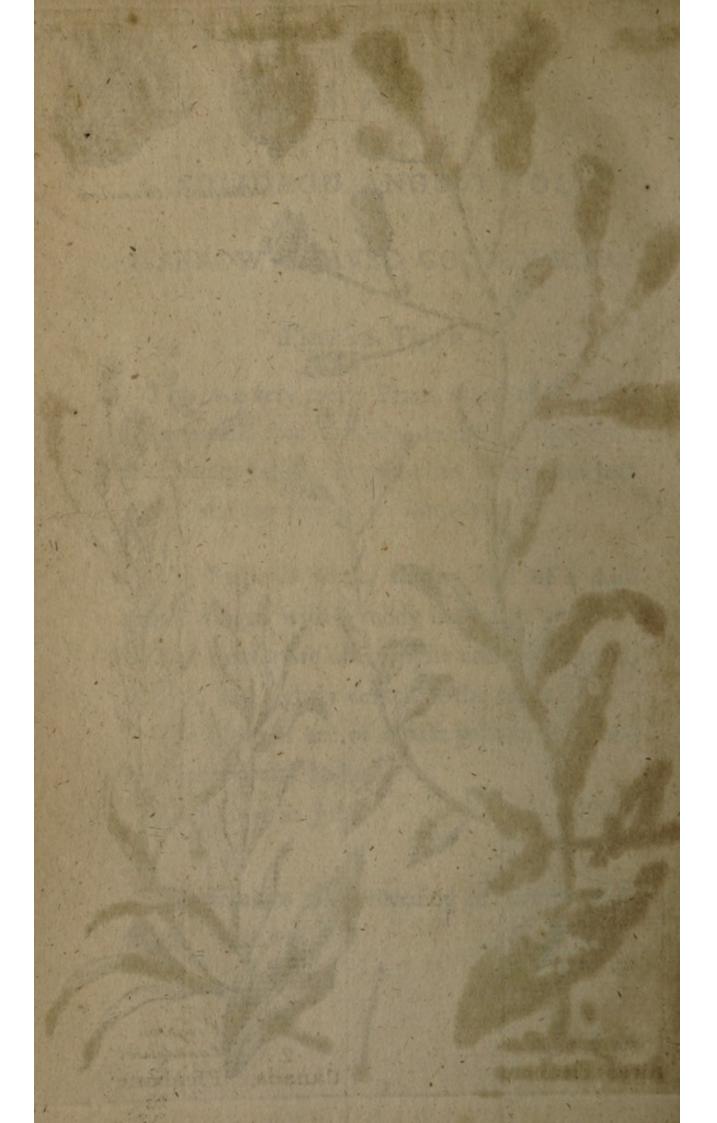
The Leaves are of a bright and gloffy green, fmooth, and lightly dented at the edges.

The Flowers are of a pale yellow, and stand in a loose pretty Spike.

They blow in July.

It refembles the preceding in virtues as in form.





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3. SOLIDAGO CAMBRICA.

WELCH GOLDEN ROD.

Plate 12. Fig. 3.

The Flowers fland at the top in a round clufter.

This is an humble, but a pretty Plant; a Perennial, native of the Welch mountains : a favoured food of Goats.

The Stalk is fimple, upright, brown, and fix inches high.

The Leaves are oblong, narrow, pale, and a little downy.

The Flowers are numerous, and of a gold yellow.

They blow in August and September.

2

The tafte feems to fhew virtues the fame with those of the first kind, but in an inferior degree.

VII. ERI-

[72]

SOLIDACIN CAMBRICA

ERIGERON.

SIMSON.

The Cup is cylindric: its Scales are awlfhaped; and placed erect. The rays of the Flower are narrow.

I. ERIGERON ACRE.

the Welch anountains and

BLUE SIMSON.

Plate 13. Fig. 1.

The Flowers stand separate, one above another, alternately.

This is a Perennial, native of our high dry grounds; a strange Plant; that appears twice in the year, and wears two different faces.

In April we fee it weak, lying on the ground, and fcarce fix inches long : in August and September it flowers a second time, and is then robust,

[73]

buft, upright, about fifteen inches high, and carries larger Flowers.

The Leaves are of a dull dead green, foft to the touch.

The Stalk is ruddy, firm, and dry.

The Flowers are of a purplish blue : they never spread quite wide open ; but the Rays always stand upward.

It is a fharp and acrid Plant. We have the teftimony of Haller, that they give it in fome parts of Germany in diforders of the breaft, where the complaint arifes from a tough phlegm: But it appears to me one of those Herbs that should be used with great caution.

2. CANADA SIMSON.

ERIGERON CANADENSE.

Plate 13. Fig. 2.

The Flowers are cluftered in great numbers at the top of the Stalks.

This

HERE

[74]

This is an Annual, that grows on our dry banks, and among rubbish: sometimes we find it not fix inches high, sometimes two foot or more.

The Stalk is of a dufky green, tinged with brown.

The Leaves are various; the lower of fome breadth, and rudely dented; the upper narrow and undivided; all of a dead greeen.

The Flowers are white, and of no beauty. They blow in August and September.

entere the complaint ariles from a tengin pialegun:

Rue it oppears to me cuo of thafe blorus that

TO OTATA A GAVEND.

Plate 4 1. 1. 1. 2.

CANADEN

and a trang of borofiuidans

indian of aning daine bolu ed bl

and a grant mail





[75]

HERBS

Which have a radiated Flower, growing in a Cup that is fringed, or furrounded with fhort Leaves at the bottom.

it. hen stellet som fan son vield ver

SENECIO.

GROUNDSELL.

The Scales of the Cup are withered at their tops.

i. SENECIO JACOBÆA.

COMMON RAGWORT.

Plate 14. Fig. L.

The Leaves feem cut, or rather gnawn, to rags.

This is a Weed too frequent in our pastures, covering a great deal of ground to ill purpose, N° II. C for for no Cattle touch it. It is an Annual; leafy, branchy, and of a coarfe, ill afpect.

[76]]

The Stalk is two foot high, firm, upright, thick, and of a dull green, often stained with brown or red.

The Leaves are of a dark coarfe green, and finooth; and have an unpleafant finell.

The Flowers are numerous and yellow. They blow in June, July, and August.

The tafte of the Leaves is a difagreeable bitter; with a mixture of fharpnefs. It has been faid they are good against the Dysentery *: the juice is directed to be taken.

Externally, they have been praifed with good reafon against Swellings, and in Inflammations: they are to be boiled to fostness; and applied as a warm poultice, with bread and oil.

of .nwang todiat 10* S. Pauli of Esvand of T

This is a Weed too frequent in the Th

ting a great dayl of ground to ill purp





[77]

2. SENECIO VISCOSUS.

signed bund page 2

Sun 1 3 113 7 31

STINKING GROUNDSELL.

The Leaves are thick, and clammy to the touch.

This is an offenfive, fulfome Weed, upon our dry ditch banks; an Annual, of ftraggling, and irregular growth.

The Stalk is two foot high, foft, tender, and of a pale green.

The Leaves are of a faint green, thick, downy, and foft: they flick to the hands; and fmell fo rankly that the common people thence call it Stinking Groundfell.

The Flowers are numerous, fmall, and of a faint yellow.

They blow in July, and till the end of fummer.

This has been praifed in fluxes of the bowels, and I believe with reason; for in the use of it

On.

on fome other occafions, I have found that it has the emetic power of Ipecacuanha; but in a lefs degree, and not in fo agreeable manner. The virtues of that drug in dyfenteries is well known. The ufe I have made of this is againft hyfteric complaints : and it has proved a good; tho' moft unpleafant medicine.

3. SENECIO SYLVATICUS. MOUNTAIN GROUNDSELL. Plate 15. Fig. 1.

The Leaves are fmooth : and the Rays of the Flower turn back.

This is a tall and robuft Plant, common on our ditch banks, and in other wafte dry places; an Annual.

The Stalk grows to a yard high, and is of a dull green, tinged with brown.

The Leaves are of a faint green, and firm to the touch.

The Flowers are numerous, and of a fine light yellow.

They blow in July and August.

[79]

The people in Lincolnshire use this externally against pains and swellings; and, as they affirm, with great success.

4. SENECIO AQUATICUS.

WATER GROUNDSELL;

O R,

WATER RAGWORT.

Plate 15. Fig. 2.

The Root Leaves are broad, with a few jags at the base; those on the Stalks are deeply divided down almost to the rib.

This is a Water Plant, common enough by ditch fides, and in places where the wet stands in winter; a Perennial of handsome growth.

The Stalk is two foot high, and fpreads out into wide Branches.

The Leaves are of a lively green, ftained fometimes with red; and they are fmooth and gloffy.

The Flowers are of a beautiful bright yellow.

C 3

There

[[80 -]]

There is an acrid fharpness in this Plant, that speaks against its use; though otherwise 'tis like the rest of its kind.

5. SENECIO SARRACENICUS. SARRACENS CONSOUND,

Plate 15. Fig. 3.

The Leaves are oblong, broad, and ferrated.

This is a robuft, confpicuous Plant, common in the meadows of Yorkshire and of Wiltshire; but elsewhere scarce; a Perennial, that propagates abundantly by its spreading Roots.

The Stalk is four foot high, green, tough, and fpreading at the top.

The Leaves are of a fine fresh green, smooth, bright, and gloffy.

The Flowers are fmall and yellow,

Wonders are related of the virtues of this Herb against hurts and bruises: and it is a great ingredient in the Swiss Arquebusade Water. It is balsamic and diuretic.

O STA SOVER

Many

Senecio Prucafolius Hoary Groundsell

Pa 80

V Senecio paludosus Maríh Fleabane or Birds tongue

2

SENECIO

Pl.16



Many receipts have been fpoken of for the making this famous Water; and great fecrets are made of fome of them. The beft I have feen is that which follows: I obtained it, by purchafe, from one whom I believe to be a perfon of veracity and knowledge; and am happy in this opportunity of giving it to the Public; becaufe every one who has an Alembic, may now make it with the greatest eafe.

[81]

two days and then add three gollons of water.

Take Leaves of Angelica half a pound, Bugle, Scabious, Comfry, Spear-mint, Roman Wormwood, of each fix ounces; Germander, Rue, Speedwell, and Common Daify, each a quarter of a pound; Roots of Butterburr, and Tops of St. John's Wort, of each three ounces; Leaves of Saracens Confound, ten ounces.

Gather all these fresh, and hang them up three days in an airy place; then clip them small, and put them into the Alembic, with two gallons of Molasses Spirit : let them stand

oddde Elizab; a Perennial than

two

two days; and then add three gallons of water. Distil off one gallon and a half; add to it one gallon of spring water, and half a pound of the finest sugar. Let it stand four days, and then filter it through paper, and put it up for use.

They are particular in using only the wild Saracens Consound; for they fay when raised in gardens, it gets an ill quality. There appears to be no certainty in this account; but they affirm it positively: and such notices should always be regarded.

6. SENECIO ERUCÆFOLIUS. HOARY GROUNDSELL. Plate 16. Fig. 1.

The Leaves are hoary; and the Rays of the Flower fpread flat.

This is a woodfide Plant; a Perennial that loyes shade, and flourisces best where there is a little moisture.

The Stalk is upright, and a yard high, of a slead green, and furnished with many Branches. The The Leaves are of a pale green, and fomewhat hoary.

[83] .

The Flowers are large, handsome, and of a hight yellow.

They blow in July and August.

Its virtues feem the fame with those of the others of its kind; for the tafte, fmell, and all its fensible qualities resemble them : and 'tis faid that a strong infusion of it is an excellent Gargle in a fore throat; spitting it out.

7. SENECIO PALUDOSUS. MARSH GROUNDSELL. Plate 16. Fig. 2.

The Leaves are long, narrow, delicately ferrated, and downy underneath.

This is a very handfome Plant found in our marshes, upon rotten boggy ground, and almost in water; a Perennial; of upright regular growth.

The Stalk is brown, firm, and near a yard high, and it has few or no branches.

The

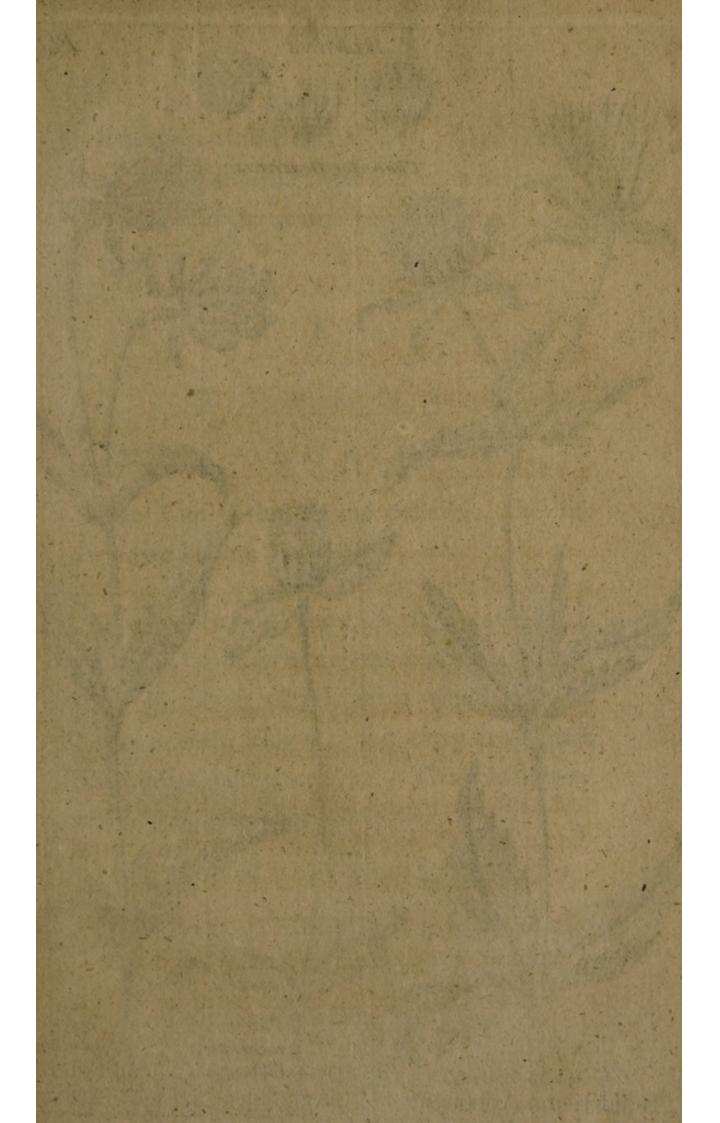
The Leaves are beautifully ferrated, and are of a bright light green above, and hoary below. The Flowers are of a very fine bright yellow. They blow in August.

In the ifle of Ely, where this Plant is common, they boil the Leaves in Hog's Lard, and make of them an ointment, which does good in the Sciatica. The virtues are very much fpoken of; and the thing is eafy to be made: the Leaves are to be frefh gathered, and chopped fmall, they are then to be put into as much Lard as will melt eafily with them; and when they are boiled till they are crifp, the Lard is to be preffed off; and when cold, put by for ufe.

H E R B B S b has bet

Which have a tubulated Flower, growing in a Cup confifting of only one row of Scales.

If we pull off the Rays from any of the preceding Flowers, we shall see what is called by





by Botanists, a tubulated Flower. Those confist of a disk or central part, furrounded with Rays: these of the central part only: they have no Rays.

The Flowers are velling, and they blaw it

BIDENS.

Avour.

HEMP AGRIMONY.

The Cup is broad, and cylindric, and its Scales are hollow.

low with the society sand they will

The Reader will remember the term Bidens; we had it in the former number at page 15. But there are plants of this name which have no Rays to their Flower: and every herb muft ftand in its juft place here. There is no way elfe of knowing them diffinctly.

1. BIDENS TRIPARTITA. TRIFID HEMP AGRIMONY. Plate 17. Fig. 1. The Leaves are cut into three parts. This

[86]

-

This is a coarfe ill growing water Plant, branchy and robuft; an Annual of no beauty.

The Stalk is brown, upright, thick, and near a yard high.

The Leaves are of a dufky brownish green.

The Flowers are yellow, and they blow in August.

The Seeds are oblong and light, and have three points, by which they flick to the cloaths of those who pass hastily by them.

They fluck to Mr. Baker's, the premier Philofopher of the Royal Society; and they will long flick to his name, and theirs : he thought them living creatures, and they are defcribed and figured as fuch in the Philofophical Tranfactions; under the name of Unknown Animals.

The Leaves of this Plant have the fingular finell and tafte of the radiated Bidens of Ireland; but in a greater degree. 'Tis probable its qualities are of the fame kind: but 'tis that plant, not this, that fhould be first tried in cases of the gravel.

2. BIDENS

[87]

2. BIDENS CERNUA. UNDIVIDED HEMP AGRIMONY.

Plate 17. Fig. 2.

The Leaves are lanced and dented, and they grow together at the bafe.

This is an Annual, native of our ditches and wet grounds; a bufhy, coarfe, robuft Plant.

The Stalk is two foot and a half high, of a deep green, tinged with a ruddy brown, and full of branches.

The Leaves are of a ftrong fhining green, and fmooth; but towards Autumn they commonly get a ruddy brown hue alfo.

The Flowers are of a dull unpleafing yellow; they hang down; but the feeds which follow them, rife upright.

They blow in August, and the feed ripens in September. [88]

The tafte and fmell declare the fame qualities in this, as the preceding; but it is still less to be recommended for trial, than the Irish kind.

3. BIDENS MINIMA.

DWARF HEMP AGRIMONY.

Plate 17. Fig. 3.

ted, and they

The Leaves are lanced, and undivided at the edges; and they ftand free of one another at the bafe.

This is a little Annual, native of our damp places, and where water has flood in winter; a plant of no beauty; eafily overlooked, and that has been overlooked, even by great writers.

The Stalk is fimple, upright, without any branches; and grows but to five or fix inches high. Its colour is a reddifh brown.

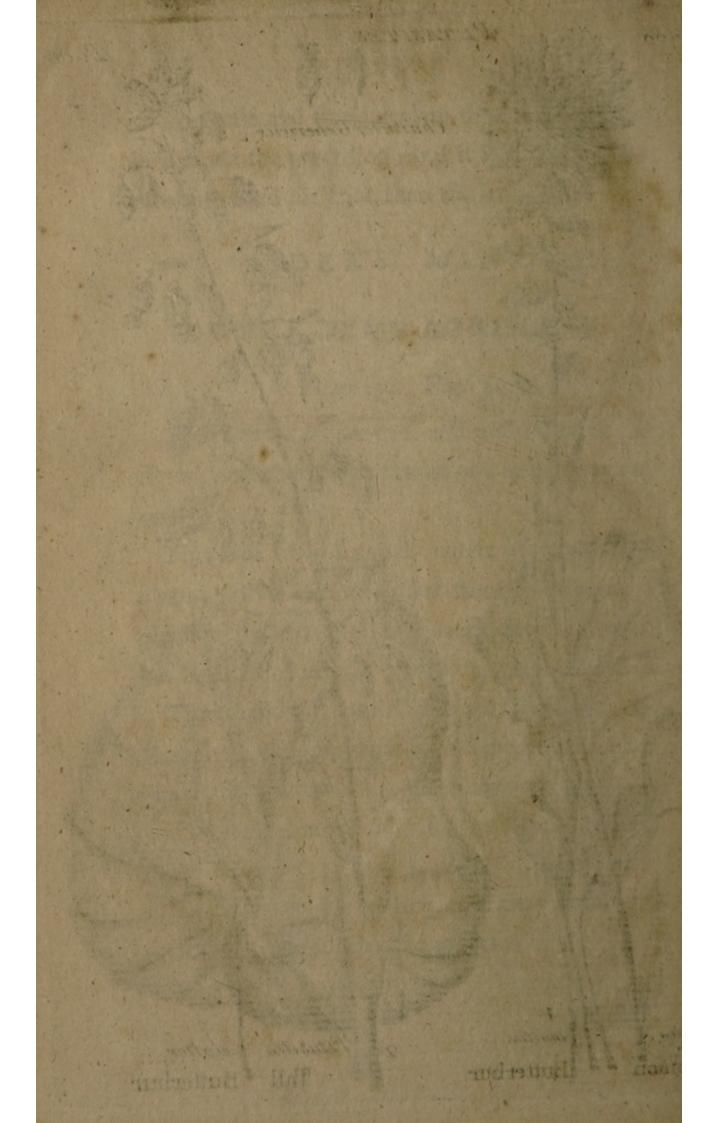
The Leaves are of a pale green, and waved at the edges.

The Flowers are yellow, and they fand upright, not drooping as the others.

They blow in August.

Linnæus





Linnæus did not allow the existence of this plant as a distinct Species, in the former editions of his Species Plantarum : I had some reasoning with his Pupils here about it : but he, to his everlasting honour, is open to conviction. In the new edition of that valuable book, he has allowed it a place, as I had done in the second volume of the Vegetable System.

This has fcarce any thing of the peculiar fmell and tafte of the others.

II.

know the ruddle wint of flowers buildings to the

PETASITES.

BUTTERBURR.

The Cup is oval, and its Scales are flat.

The Layres come " distribution and grow to a

valt fire a they a a round the of a pale groun,

with thick white values and block are a foot and

I. PETAS

a half in diameter.

Smily ochik

t. PETASITES OVATUS.

[90]

COMMON BUTTERBURR.

The head of flowers is oval and compact.

This is a perennial, fpreading plant; common in wet grounds and low meadows; and has the ftrange property of fending up its flowers at a different feafon from its leaves; very long before them : as the Coltsfoot alfo does. Many an eye is familiar with its vaft leaves, that never knew the ruddy tuft of flowers belongs to the fame plant.

The Flower-stalk appears early, and grows to eight inches high, thick, tender, juicy; and hung about with a multitude of skinny films, of a pale flesh colour.

The Leaves come afterwards, and grow to a vaft fize; they are roundifh, of a pale green, with thick white veins, and often are a foot and a half in diameter.

3

The

[91]

The Flowers are of a pale flesh colour.

They blow in April, and fade before the Leaves arrive at any great fize.

The Root is whitish, thick, tender, juicy, and spreads about under the surface to a great extent.

"Tis one of those innumerable instances that the Providence of God, ever attentive to the good of man, has placed those things about us in great plenty, which can be of great use.

This is an admirable medicine in fevers of every kind: taken early it prevents the mifchiefs that often rife naturally in those difeases; and oftener from the errors of physicians.

We may remember that, in a fever which raged near twenty years ago, and proved very fatal; the phyfician ufually afked at his first vifit, if the patient had been blooded; and if he was answered Yes, he would tell the relations there was little hope.

Nº II.

Bleeding

Bleeding indeed was fatal in these cases; and I am afraid the medicines usually given in the first attacks of all fevers, had proved not less fatal. The disease was of the putrid kind : the fame fever raged at the fame time in Germany : and while we died by bleeding, and by chemical medicines; they lived by Butterburr.

We are threatened with a heavier vifitation now; our crimes call it from Heaven! the Almighty pardon us! and preferve us from it! but if that greateft of all calamities fhould come, there are few things from which we may expect fo great relief, as from this herb. This is no new thought, or hafty obfervation. The Greeks ufed it with the greateft fuccefs; and it were happy if their practice were more followed: and the very name of the plant among the Germans, is Peftilence Wort.

Whether for common fevers, or for this; for putrid fevers, or for what is called the forethroat, with ulcers; which ulcers are indeed only one fymptom of a putrid fever, however otherwife wife the matter has been spoken of; the method of using the Butterburr, is this.

Lay open the earth about the root; and it will be found to confift of an oval body, fending out long, thick fibres : throw away the fibres, and cut the oval body of the root through, to fee if it be found. 'Tis of a whitifh colour; of a pleafant, fragrant, fpicy fmell; and a warm aromatic bitter tafte : foft and tender to the touch; and juicy.

Wash off the dirt from this; and flice thin an ounce of it: fet on some soft water to boil: put the roots into a new earthen pipkin; and pour upon them a quart of the water, boiling hot. Let this stand till it is quite cold, no longer: then pour it clear off; add a quarter of a pint of mountain wine, and a little fine fugar. Let about a quarter of a pint of this be taken once in four hours: the spirits will be raised; the horrid anguish that attends these fevers, and announces their danger, will be foon removed; a kindly gentle sweat, not violent, will follow;

D 2

every

every bad fymptom will difappear : and the patient will recover.

If in the worft of cafes, a boil fhould appear under the arms, or elfewhere, be affured that on its coming to ripenefs, depends the hope of life; and to promote that, ufe the fame root externally.

Make a common poultice of bread and milk ; and to half a pint bafin of this, add a quarter of a pound of Butterburr root, bruifed, but not boiled; add alfo a little fallad oil; and apply this carefully: keep it warm by many doubled cloths; and renew it often.

The patient will thus have all the chance of life, the nature of the cafe admits.

Will you have more authority? receive it: for confidence in truth is half a cure. Diofcorides, the Father of Botanic Medicine, recommends Butterburr plainly enough for this outward ufe: and we fhould probably have read with him its praifes alfo internally, if all flood right in the copies; but (to our irreparable injury) jury) that confusion of names, which I have laboured fo much here to get men to avoid; took place even fo early. This plant and Colocafia, an herb as different, as difference there could be, excepting only in the form and outline of the leaf, were confounded in one name of Petafites.

Theophraftus, the Parent of Botanic knowledge; called the Butterburr Petafites, becaufe its leaf refembled the round hat of the antient Theffalians; which they called Petafis; and in the time from him to Diofcorides, the Ægyptian Colocafian Water Lilly, having a round leaf alfo, obtained alfo the fame name.

As both plants grew in watery places, the confusion became more fixed : but still, when fudorific virtue is attributed to Colocasia, I think that all the praise belongs to Butterburr. Galen has fignified his opinion plainly, by placing it according to his method among simple medicines, warm in the third degree.

The excellent Fuchfius is most express; and D 3 records records its virtues as wonderful * in Peftilential fevers : and this he fpeaks not from tradition ; but his own experience. Shall we go on ?-But were it needful to prove the Sun gives light ; 'tis fearce lefs certain, or lefs obvious, that this root, beyond all things elfe, cures Peftilential Fevers.

2. PETASITES ELATIOR.

TALL BUTTERBURR.

Plate 18. Fig. 2.

The clufter of Flowers is long; and they stand loofe.

This like the former, grows in our wet grounds, and has all the particularities of its appearance: 'tis a Perennial that fends up its loofe flowers in Spring; its leaves long after them.

The Stalk is as thick as a man's thumb, of a pale flesh colour, and leafless; only some thin films hang about it as in the preceding.

The Leaves are of an enormous magnitude,

* Experimento comprobatum est radicem Petasitidis mirifice conferre pestilentialibus febribus,





[97]

rugged on the furface, and of a pale green colour, with whitish ribs.

The Flowers are whitish, with a faint dash of flesh colour.

They blow in March.

The Root of this has the tafte and flavour of the former kind; but with more bitternefs. Its qualities are nearly the fame; but the other is to be preferred. However the two herbs have been ufed indifcriminately: and this is in many places the more common. In a meadow near the late Sir William Bowyer's, at Denham, there grows a great quantity.

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HERBS

With a tubulated Flower, growing in a Cup composed of many rows of Scales.

sions die and a beis I. Manuel Marker in

TANACETUM.

TANZY.

The Cup is an half oval. Its Scales ftand upright, and are placed clofe, and compact; and they are thin and fharp pointed.

I. TANACETUM VULGARE.

COMMON TANZY.

Plate 19.

The Leaves are winged; and the fmall leaves are deeply cut in.

This Herb is not only common in our gardens; but wild on the high grounds, and dry paftures

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pastures, in Durham; and some other parts of England. 'Tis a Perennial, and a well looking Plant.

The Stalk is upright, branchy, of a light green, and a yard high.

The Leaves are of a bright, and pleafing green, and of a very fragrant fmell: it is not coarfe as that of the Tanzy common in our gardens, but a pleafing aromatic.

The Flowers are large, and of a bright yellow.

They blow in July and August.

Notwithstanding that the Tanzy of our gardens, is originally the fame plant with this; they differ widely in their taste and flavour; and in this we see the Swiss opinion of the Saracens Confound in some degree supported: 'tis certain, they will not use that plant when it has grown in a garden. This Tanzy is a very pleafant herb, and worth our notice, with preference, where it is to be had: but where it is not, the other may be taken in its place.

[100]

It is an agreeable bitter; a carminative, and a deftroyer of worms: and 'tis in this laft capacity that it is principally to be regarded.

No complaint is fo frequent; and few bring on fo much mifchief: befide the more common and obvious diforders which they occafion; a wafting, even to death, and Putrid Fevers fometimes accompany, and indeed arife from them: and oftener than is thought, they are the caufe of Epilectic Fits. The medicines given againft them are for the most part ineffectual; and many of them mischievous. Hellebore has brought on Convulsions; and every one knows the danger of Mercurials.

Befides the greater mifchiefs of these latter medicines, 'tis fit the world should be reminded that half the defective teeth in our young people, are owing to Mercurials given when children.

To fuperfede thefe, Nature has afforded us 5 this

21

1 61 81 21 3 1311 VI 20012191

[101]

this herb in plenty: and Tragus, Hoffman, Etmuller, and Andry; names, one of which were fufficient in this cafe, join in the account of its thus deftroying worms. But that is not all; they agree in its innocence and fafety: and in this farther praife; that by ftrengthening the ftomach, and preventing the production of flimy humours in the bowels which gives thefe creatures harbour and fupport, it hinders alfo their return.

The Flowers are the part to be used, and they fhould be given in powder: but there requires care in the collecting them to obtain all their virtue. Clip off a quantity of Tanzy flowers close to the ftalk, before they are over blown: do this in the middle of a dry day; and fpread them on the bottom of a hair fieve turned upfide down; fhake them often about, and let the wind blow thro' them; but keep them from the fun. When they are perfectly dry let them be powdered; and of this powder give fix, eight, ten, or twelve grains at night; and again early in the morning.

II.

[102]

an go and full is in the one of the

fullicient in this cafe, win in the account of its

CONYZA.

PLOWMAN'S SPIKENARD.

The Cup is oblong and rugged; the Scales of it are fharp pointed; and they ftand wide, and bend out.

1. CONYZA SQUARROSA. PLOWMAN'S SPIKENARD.

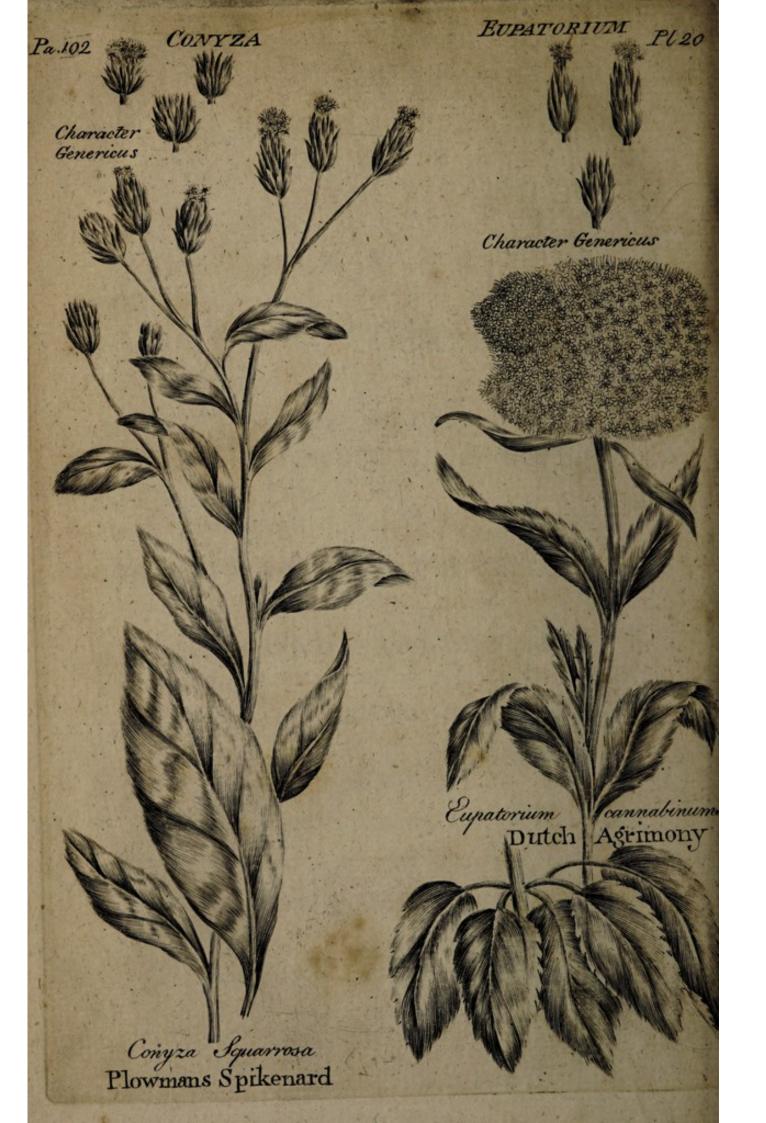
Plate 20.

The Leaves are broad lanced.

This is a Biennial; a coarfe, and but ill-looking plant: we fee it by road fides, and in wafte places, upon high and dry grounds; but not very common.

The Stalk rifes to two foot and a half high; and





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and is of a ruddy brown; brittle, dry, and branchy toward the top.

The Leaves are rugged on the furface, of a coarfe dead green, and a little dented about the edges.

The Flowers are of a dull yellow, and ftand in a close tuft, at the tops on the stalks.

They blow in August.

The Leaves, when bruifed, fend forth a quick, and aromatic fcent: and to the tafte they are bitterifh, with fome fharpnefs.

Such tafte and flavour cannot but befpeak fome medicinal qualities; nor do the accounts which authors have given of its virtues, contradict them: but they fhould be more afcertained. The old Tragus, (commonly very faithful) recommends it to promote the menfes: and indeed an innocent medicine of that kind is fo defirable; and the obvious qualities of this plant are fo promifing, that I fhould recommend a very weak tea of it for careful trial. This might be watched with atten-

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attention in its effects; and made ftronger when it is found that might be borne.

The caution is needful; for Cordus, a careful obferver, fays the herb is fo acrid and hot as to make the mouth fore.

Some ftrength is required in fuch a medicine; and perhaps this has it. Where there is great efficacy, as in fteel medicines, there is alfo great power of mifchief: and we fhould wifh to have many different things, to fuperfede their ufe.

Diofcorides gives great praife to Bacchazis; attributing to it warm and attenuating qualities. It would be worth a very careful attention if it were poffible we could by any means be fure this was the Baccharis he meant: but unhappily there is here that great confusion before lamented about the names of fome of the plants, of which he had experience.

We have been falling into the fame mischief now ;

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now; and all knowledge has been fading before it. I hope this publication may have its ufe in ftopping the progrefs of a cuftom, which muft in time deftroy every attempt to help mankind, by the moft innocent medicines. The greateft forrow is that the moft refpected names have given too much countenance to this practice. Linnæus, worthy of all praife, yet not without his faults, has of late given the names of Diofcorides's plants, to new kinds found only in America. If fuch a method be not ftopped, good night to all.

III.

EUPATORIUM.

DUTCH AGRIMONY.

The Cup is conic, its Scales are lanced, they are unequal in fize, and they fland firait upright.

EUPATORIUM CANNABINUM.
COMMON DUTCH AGRIMONY.
The Leaves are fingered.

E C D

This

This is a Perennial water-plant, a tall, fpecious, and very handfome one, that edges our brooks and rivulets, in most places.

The Stalk is red, and grows to four foot high, upright and branchy.

The Leaves are of a bright and lively green, foft to the touch, and difpofed with a handfome regularity.

The Flowers are fmall, but innumerable; they are crowded together in a compact head, and are of a beautiful rofe-colour.

They blow in August.

The Root is of an acrid, bitter, and unpleafant tafte : and it will purge. But it operates roughly, vomiting as well as purging : fo that we have many better.

It has however been recommended in Dropfies, and the Jaundice. Externally, it has indeed its ufe: I have feen very bad fore legs. cured by bathing and fomenting them with a decoction of this Plant.

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