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*The Marquis of Stafford.*









*Goussier Netherland*

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A  
S Y S T E M  
O F  
V E G E T A B L E S,  
I N T W O V O L U M E S,  
V O L. I.

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1852

W. H. B. & Co.



A  
SYSTEM  
OF  
VEGETABLES,

ACCORDING TO THEIR

*CLASSES*      *ORDERS*  
*GENERA*      *SPECIES*

WITH THEIR

CHARACTERS AND DIFFERENCES.  
IN TWO VOLUMES.

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TRANSLATED FROM THE THIRTEENTH EDITION  
(AS PUBLISHED BY DR. MURRAY)

OF THE

SYSTEMA VEGETABILIIUM

OF THE LATE PROFESSOR

LINNEUS;

AND FROM THE

SUPPLEMENTUM PLANTARUM

OF THE PRESENT PROFESSOR

LINNEUS.

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VOL. I.

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BY A BOTANICAL SOCIETY, AT LICHFIELD.

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To Sir JOSEPH BANKS, Bart.

President of the Royal Society.

S I R,

**T**HE rare and excellent example you have given, so honourable to science, by foregoing the more brilliant advantages of birth and fortune, to seek for knowledge through difficulties and dangers, at a period of life when the allurements of pleasure are least resistable, and in an age when the general effeminacy of manners seemed beyond that of former times to discourage every virtuous exertion, justly entitles you to the preeminence you enjoy in the philosophical world. In your extensive pursuits after natural knowledge, BOTANY has been distinguished by your peculiar attention; of this, the


the princely work in which you are at present engaged, and of which the public has conceived such high expectations, will furnish a noble example to posterity. At the same time therefore that we are happy in an opportunity of paying public homage to your virtue, we have the pleasure to think that this attempt to advance the study of Botany in these countries will meet with your particular approbation: by placing this work in the hands of the person best qualified to judge of its merits or imperfections, we at least avow the disinterested wish, that it may receive no protection but such as it really deserves.

Accept, Sir, of this mark of our respect and esteem; and allow us the honour of subscribing ourselves

your most obedient

humble servants,

THE EDITORS.



PREFACE of the TRANSLATORS.

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**T**HE future improvements in AGRICULTURE, in MEDICINE, and in many inferior ARTS, as dying, tanning, varnishing; with many of the more important Manufactures, as of paper, linen, cordage; must principally arise from the knowledge of BOTANY. For how can we ascertain the more recondite properties of bodies, without first being able to distinguish them from each other? From the want of this science almost all the medicines, and many of the arts of the ancients have been lost to their descendants.

The labours of LINNEUS are generally acknowledged to have best supplied this great source of future improvement, and yet his works have not hitherto appeared in the english language. Mr. LEE indeed in his *Introduction to Botany* has well translated and explained many parts of the *Philosophia Botanica*; Dr. BERKENHOUT has given a *Lexicon of Terms* extracted from the same work; and Mr. MILNE has disposed a great part of it with other botanical knowledge in the form of a *Dictionary*. All these labours have their merit; but why should not the works themselves be translated into our language? the concise and beautiful arrangement, for which they are so remarkable, is lost in these diffuse explanations of them.

Dr.

## ii. PREFACE of the TRANSLATORS.

Dr. WITHERING has given a *Flora Anglica* under the title of *Botanical Arrangements*, and in this has translated parts of the *Genera* and *Species Plantarum* of LINNEUS; but has intirely omitted the sexual distinctions, which are essential to the philosophy of the system; and has introduced a number of english generic names, which either bear no analogy to those of LINNEUS, or are derived from such as he has rejected, or has applied to other genera; and has thus rendered many parts of his work unintelligible to the latin Botanist; equally difficult to the english scholar; and loaded the science with an addition of new words.

We propose to give a literal and accurate translation of the SYSTEMA VEGETABILIIUM of LINNEUS, which unfolds and describes the whole of his ingenious and elaborate system of vegetation. The terms, which he invented, or appropriated to those parts of vegetables, which he either first discovered, or on which his system is erected, are retained in the translation with english terminations. As new ideas require new words to represent them, and must therefore be explained to the young Botanist, it is of no consequence from what language they are derived. Those therefore which are already in use, are preferred to such as might be found in our own language, though similar in their primitive signification; as such words would be liable to present to the mind their vulgar meaning, which is not sufficiently precise for the purposes of science. Thus *Calyx* is used by LINNEUS for the green cup beneath some flowers, for the sheath from which others burst longitudinally, for the leaves beneath the umbels of others, for the husks of grasses, the catkins of willow, nettle, &c. the veil over the flowers  
of

of mosses, and the skin beneath the heads of mushrooms. All this must be explained, whether it is represented by the word *calyx*, or by the word *impalement*; which latter, though used by some of the writers above-mentioned, is as difficult to the english scholar, as the word *calyx*; is not understood by those who are already acquainted with the language of LINNEUS; and does not assist the young Botanist in his study of the original.

So the word *Legumen* means a pod, in which all the peas or seeds are attached to the upper edge or future; *Siliqua* a pod in which they are alternately attached to the upper and under one. If the former should be termed *shell*, and the latter *pod*, they must still be defined; and thus the meaning of them would be as difficult to acquire by the english reader as that of the words *legumen*, and *siliqua*; and would be so unintelligible to the latin Botanist, *that they could not converse together*.

Hence we have retained the words *calyx* for flower-cup; *corol* for blossom; *stamen* for chive; *pistil* for pointal; *pericarp* for fruit-vessel; and some other technical terms; *such as would necessarily be used in an english conversation by Botanists acquainted with the original of LINNEUS*: to these words we found it necessary to give english terminations, because their diminutives and their participles frequently occur in the course of the work, and they are sometimes compounded with other words; thus *corolla* is translated *Corol*, *petalum* *Petal*, *anthera* *Anther*, *panicula* *Panicle*, *verticillus* *Verticil*, for the purpose of using *corollet*, *five-petal'd*, *anther-bearing*, *panicled*, *verticil'd*, and  
the

the like. For the explanation of these we refer the reader to the BOTANICAL TERMS AND DEFINITIONS prefixed to this work; which we have translated from a thesis of Dr. ELMGREN, written under the eye of LINNEUS, and published by him in the sixth volume of the *Amœnitates Academicæ*.

The determining the exact number of these words, necessary to be naturalised into our language, was a task of much nicety and consideration. We were afraid of rendering our work difficult to the english reader, if we introduced many innovations, or did much violence to our vernacular tongue; or of making it unintelligible to the latin Botanist, if we were too parsimonious in the engraftment or transplantation of exotic terms. We hope we have steered between these two extremes, for we have had the opinion of many and of skilful pilots to direct our voyage; the celebrated Mr. ROUSSEAU, in a posthumous Botanical work had adopted a similar plan; and has attempted to naturalise into the french language many of the technical words of LINNEUS; as *corymbe*, *panicle*, *cyme*, *filique*, *silicle*, *spathe*, *perianth*, and many others, which we hope will not be more dissonant to an english ear than to a french one.

LINNEUS has arranged the individuals, or *Species*, of vegetables into families, or *Genera*; and these again into *Orders* and *Classes*: As there are so few generic names in our language, we have universally adopted those of our author; thus the words *Triticum*, *Hordeum*, *Avena*, *Secale* are family names; which include variety of other grasses, as well as the Wheat, Barley, Oats, and Rye, which we cultivate for our food: the generic name



name *Amygdalus* includes the *Peach* as well as the *Almond*; *Prunus* includes the *Cherry*, *Apricot*, and *Laurel*, as well as the *Plum*; and *Pyrus* the *Apple*, *sweet-flower'd Crab*, and the *Quince*, as well as the *Pear*; whence it would have been productive of much confusion to have given any of these english names to families, which belong to individuals. The english generic names however, which are well established, we have occasionally added in italics after the latin ones. In respect to the individuals or *Species of Plants* we have, by the advice of many of our botanical correspondents, retained the *Trivial Name* used by LINNEUS; as it is become a kind of cognomen along with the generic name; and where it is expressive of any peculiarity of the plant, we have translated it by an equivalent english word. The *Quotations* from other works we have placed in the index-form, as our author has disposed them; and have added the best received english names in their proper places from MILLER, HUDSON, LIGHTFOOT, &c. and referred to them in our *Index of Synonymies*.

The learned reader will perceive, that we have made a slight change in the construction of the sexual distinctions of the Classes on account of the greater delicacy of modern language; hence the words, *one male*, and *one female*, are used in preference to *one virility* and *one feminality*. In regard to the general language, we have endeavoured to copy that of LINNEUS with the most scrupulous exactness; for as this illustrious Naturalist may be said to have formed a language, rather than to have found one, suitable to his purpose; and appears to have studied every part of his work, from the great outline of the system to the most minute circumstance

vi. PREFACE of the TRANSLATORS.

circumstance of construction and arrangement, with industry and sagacity almost peculiar to himself, we have translated it, as far as might be, page for page, and line for line: have accurately attended to his mode of punctuation, and have introduced the astromonic characters with all the numerous capital and italic types, which are used in the original.

As LINNEUS formed numerous *diminutive* and *compound* words from the latin and greek languages, we have endeavoured to construct correspondent ones from the english; it were impossible otherwise to equal the conciseness and precision of the original. We have attempted to compose the former, so as to be easily familiarised to an english ear, and intelligible to the latin botanist; as leaf *leaflet*, stalk, *stalklet*, valve *valvelet*, tooth *toothlet*, spathe *spatbelet*, tube *tubelet*, crown *coronet*, calyx *calycle*; of such diminutives the words tablet, circlet, bracelet, ringlet, rivulet, icicle, particle, are examples in daily use. Some of the common diminutive adjectives of the latin, and those formed by the preposition *sub*, whose correspondent word in english would not allow of the termination *ish*, were found more difficult to manage without periphrases, as subramosus *thinly-branched*. Where they were evidently derived from the latin language, we have sometimes retained the particle *sub*.

We come now to those numerous *compound words* constructed by our author in so artful a manner, as to depicture such a variety of forms, of leaves, fruits, flowers, stems, seeds, as no language was before ever made to describe. He has taken words expressive of well-known figures, as the words *oblong* and *egg*, and by compounding these has given a form between them  
both

both ; which new form partakes more of the *egg*, if that word precedes in the compound, as *egg-oblong* ; or more of the *oblong*, if that word precedes, as *oblong-egg'd*. Hence these two words are made to represent forms of four kinds very nearly allied ; but to these he has added *oval*, and *elliptic*, and again compounded these with *oblong* and *egg*, and has thus, as it were, conjured up before our eyes the outlines of forms as numerous and as accurate by the magic of a few words, as the pencil alone was thought capable of producing. Our readers will perceive, that to equal all these niceties of combination with precision and conciseness in our translation was an undertaking that required some degree of hardiness ; this was the Gorgon-feature, that had hitherto frozen the designs, or blasted the progress of all, who looked upon this giant Naturalist, and deterred them from the encounter.

In the construction of these numerous and difficult compound words we have laboured their conciseness and distinctness, *as our author has done*, rather than the elegance of their combinations ; and as our language allows of great variety of compound words, and those terminating either as substantives, adjectives, verbs, or participles both active and passive, we have found it as well adapted to this purpose as the latin, and perhaps not much less so than the greek. We had great difficulty however in determining the two following circumstances, about which we consulted many of our ingenious friends. The first was, whether the latin words *cordatum*, *ovatum*, *lunatum*, *lanceolatum*, *spatulatum*, *carinatum*, *ferratum*, *hastatum*, *peltatum*, and the like, expressive of the forms of leaves, would better be translated by their correspondent english words, *hearted*, *egg'd*, *moon'd*, *lanced*, *spatuled*,  
*keel'd*

*keel'd, saw'd, halberted, targeted*, or by the compounds *heart-shaped, egg-shaped, moon-shaped, lance-shaped, spatule-shaped, keel-shaped, saw-shaped, halbert-shaped, target-shaped* and the like. After having much canvassed the subject, we were at length resolved to adopt the former, 1. because the english botanical language became thus a more exact resemblance of the original; 2. because it became thus much more concise; 3. because *shape* includes the whole external surface, whereas the words above mentioned mean only to express the outline of a particular section. 4. because when these words already compounded with the participle *shaped*, become compounded a second time, (several of which double combinations would occur in almost every page of the work) as *egg-lance-shaped, lance-egg-shaped, egg-heart-shaped, heart-egg-shaped*, they were more difficultly associated with the ideas they were designed to express, than the compounds of the simple words, *egg-lanced, lance-egg'd, egg-hearted, heart-egg'd*. We found ourselves further under the necessity of forming participles from our numerical adjectives, using the words *two'd, three'd, four'd, five'd, eighted*, for the words *бина, тerna, quaterna, quina, octona*; because *binata, ternata, quaternata*, had previously been translated by the words *twofold, threefold, fourfold, &c. bis* by *twice, duo* by *two, jugum* by *pair, geminus* by *double, and didymus* by *twin*; and the same of the other numerals. Though some of the compound words above mentioned are perhaps rather warped from their usual significations, yet the same objection lies against the correspondent original ones of LINNEUS. His words are indeed not classical, they are not to be found in the works of Cicero, but they might have been, as Mr. Rousseau well observes, had Cicero written a System of Botany.

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The second difficulty was, whether some of these compound words should be used as *adjectives* or as *participles passive*; as in some of them the signification differs with this difference of their construction; thus a *thread-form* flowerstem is one every where of equal thickness like a thread, but a *thread-formed* flowerstem would mean one formed of thread; so *axe-form* means of the form of an axe, but *axe-formed* would mean formed by an axe; a *threefold* garment means a tripple garment, but a *three-folded* garment would mean thrice folded; a *threefoot* rule is one of the length of three feet, but a *three-footed* stool is one having three feet. After much deliberation, and by the advice of our ingenious friends we at length resolved to use these words, and a few others, adjectively; because their precise signification was thus better ascertained, and they became more euphonious from their being less loaded with consonants, and our language affords many instances of compound words of similar construction. Thus a grit-stone wall, a hair-breadth scape, a broad-cloth coat, foot-path way, small-tooth comb, one-horse chair, two-man beetle, three-foot rule, four-mile stone, five-card loo, fix-penny loaf, ten-pound weight, twenty-shilling bill, fifty-gun ship; to these may be added the words uniform, multiform, two-fold, manifold, blindfold; and the words compounded with like, wise, full, and some; as castle-like, cross-wise, spoonful, burthensome; all which are used as adjectives either in familiar conversation, or by respectable writers.

By this aptness of our language in compounding variety of words, we flatter ourselves that we have been able to express in some instances the meaning of our author, as explained and defined by himself or by

x.      PREFACE of the TRANSLATORS.

by his pupils, with greater precision than the latin language would allow; thus the word *dentata* applied to a root signifies *teethlike*, applied to leaves it means *toothed*; the word *end-nicked* gives a more accurate idea than the word *emarginatum*, the words *south-turned* than *adversum*, and *one-ranked* than *secunda*; the latin words *biterdatum* and *triterdatum* either mean *twice* and *thrice* those numbers, or the *square* and *cube* of them, and *bidentatum* having *two teeth*, or *two sets of teeth*. Hence we trust that our translation will thus reflect the very image of the original; but, as happens in some optical experiments, with greater distinctness, and brighter illumination.

We have further to add, that to render this work more extensively useful and compleat, we have not only translated the SYSTEMA VEGETABILIIUM published by Dr. MURRAY from the papers of the deceased LINNEUS, containing one hundred and nineteen additional Genera, and variety of Species and alterations; but have been favoured with a part of a new work now publishing by the present Dr. LINNEUS, termed *Supplementum Plantarum*, which will describe ninety four new Genera, with many additional Species: the essential Characters of which we have interwoven in our translation in their proper places. The present ingenious Professor has indeed made one alteration in the Classes in this new work; and that is, the omission of the class Polygamia, as far as his additional Genera extend, which are principally plants from Surinam, and some from Africa. These he has placed in the other Classes, according to their sexual distinctions; in which we have copied him.

The BOTANIC TERMS AND DEFINITIONS translated from the Thesis of Dr. ELMGREN, we had  
once

once arranged in the form of an alphabetical Glossary; but we perceived, that by removing the terms from under their proper heads, their definitions became much more difficult; for the same adjunct has frequently five or six different meanings according to the subject to which it is referred. We have therefore preserved the ingenious arrangement of the original, and added an *Alphabetical Index*, by which any word may be referred to under each of its significations. To these we have subjoined the *Plates* from the *Philosophia Botanica*, so that we hope by these means to present the public in our native tongue the most compleat edition yet extant in one work of the celebrated SEXUAL SYSTEM. Of that System which hitherto like the Bible in catholic countries, has been locked up in a foreign language, accessible only to the learned few, the Priests of Flora, whilst the gardiner, the herb-gatherer, the druggist, the farmer, and all who are concerned in cultivating the various tribes of vegetation, in detecting their native habitations, or in vending or consuming their products, could by no industry arrive at that System, which they wished to attain, and were capable of enlarging.

It remains only, that we should here make our most grateful acknowledgements to the PRESIDENT of the ROYAL SOCIETY, who with his usual liberality allowed us the use of his Botanic Library; to Dr. LINNEUS, the present Botanic Professor at *Upsal*, for supplying us with a part of his SUPPLEMENTUM PLANTARUM, before the whole was published; to that great Master of the english tongue Dr. SAMUEL JOHNSON, for his advice in the formation of the botanic language; and for variety of opinion, remark, and assistance, to the learned PROFESSORS of BOTANY in  
the

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BOTANIC TERMS

AND

DEFINITIONS.





# BOTANIC TERMS

A N D

## DEFINITIONS.

ROOT, (*radix*) an organ nourishing the plant.

### DURATION.

- 1 *Annual*, (*annua*) perishing with the year.
- 2 *Biennial*, (*biennis*) flowering another year and then perishing.
- 3 *Perennial*, (*perennis*) flourishing again through many years.

### FIGURE.

- 4 *Fibrous*, (*fibrosa*) consisting intirely of threads.
- 5 *Branchy*, (*ramosa*) subdivided into fibres.
- 6 *Spindle-form*, (*fusiformis*) simplifsh tapering.
- 7 *End-biten*, (*præmorfa*) as if lop'd at the point.
- 8 *Creeping*, (*repens*) running some length and then budding.
- 9 *Jointed*, (*articulata*) intercepted with joints.
- 10 *Teeth-like*, (*dentata*) necklace-form, with joints chained together.
- 11 *Globular*, (*globosa*) roundifsh (156) with lateral rootlets.
- 12 *Tuberous*, (*tuberosa*) fleshy parts connected at the bafe by a thread.
- 13 *Fascicled*, (*fascicularis*) fleshy parts connected at a sessile (148) bafe.
- 14 *Handed*, (*palmata*) fleshy lobed. (182)
- 15 *Bulbous*, (*bulbosa*) furnished with a *bulb*. (652)
- 16 *Granulated*, (*granulata*) besprinkled with fleshy particles.

TRUNK, (*truncus*) an organ multiplying the plant,

### KINDS.

- 17 *Stem*, (*caulis*) a trunk elevating the fructification and leaves.
- 18 *Culm*, (*culmus*) appropriated to grasses.
- 19 *Scape*, (*scapus*) elevating the fructification, but not the leaves.
- 20 *Stipe*, (*stipes*) a trunk becoming leaves.

## DURATION.

- 21 *Herbaceous*, (*herbaceus*) certainly annual (not woody).  
 22 *Somewhat-shrubby*, (*suffruticosus*) permanent at the base, the yearly branches withering.  
 23 *Shrubby*, (*fruticosus*) perennial with many stocks.  
 24 *Arborescent*, (*arboreus*) perennial with a simple stock.

## SUBSTANCE.

- 25 *Solid*, (*solidus*) filled full within.  
 26 *Empty*, (*inanis*) spongy internally with pith.  
 27 *Piped*, (*fistulosus*) tubular within.

## DIRECTION.

- 28 *Erect*, (*erectus*) raising itself almost perpendicularly.  
 29 *Straight*, (*strictus*) quite perpendicular without bending.  
 30 *Rigid*, (*rigidus*) impatient of flexure.  
 31 *Flexible*, (*laxus*) easily bent into a bow.  
 32 *Oblique*, (*obliquus*) between a perpendicular and horizontal line.  
 33 *Ascending*, (*ascendens*) archwise upwards.  
 34 *Declined*, (*declinatus*) descending archwise.  
 35 *Incurvate*, (*incurvatus*) nodding upwards.  
 36 *Nodding*, (*nutans*) bent down outward from the top.  
 37 *Spreading*, (*diffusus*) with expanding branchlets.  
 38 *Procumbent*, (*procumbens*) weak, supported on the earth.  
 39 *Stole-bearing*, (*stoloniferus*) giving out scions from the root.  
 40 *Sarmentous*, (*sarmentosus*) thread-form with root-striking branches.  
 41 *Creeping*, (*repens*) lying on the earth and striking roots.  
 42 *Rooting*, (*radicans*) fixing itself by deep lateral roots.  
 43 *Knotted*, (*geniculatus*) intercepted by knots.  
 44 *Winding*, (*flexuosus*) bending from bud to bud this way and that.  
 45 *Climbing*, (*scandens*) rising high, sustained on others.  
 46 *Twining*, (*volubilis*) ascending spirally by other bodies.  
     *From the right*, (*dextrorsum*) to the left.  
     *From the left*, (*sinistrorsum*) to the right.

## FIGURE.

- 47 *Columnar*, (*teres*) without angles.  
 48 *Semicolumnar*, (*semiteres*) flat on one side, roundish on the other.  
 49 *Compressed*, (*compressus*) the two opposite sides flat.  
 50 *Two-edged*, (*anceps*) the two opposite angles rather acute.  
 51 *Angled*, (*angulatus*) grooved longitudinally with more than two hollow angles.  
     *Acuteangular*, (*acutangulus*) from the figure of the angles.  
 52 *Three-corner'd*, (*trigonus*) with three prominent longitudinal angles.  
 53 *Three-sided*, (*triqueter*) with three sides exactly flat.

## CLOATHING.

- 54 *Naked*, (*nudus*) opposed to the 5 following (55. 56. 57. 58. 59.)  
 55 *Leafless*, (*aphyllus*) destitute of leaves.  
 56 *Leafy*, (*foliatus*) furnished with leaves.  
 57 *Sheathed* (*vaginatus*) surrounded with sheaths of leaves.  
 58 *Scaly*, (*squamosus*) sprinkled with scales.  
 59 *Imbricated*, (*imbricatus*) covered so as not to appear naked.

## SURFACE.

- 60 *Corky*, (*suberosus*) clothed with an exterior bark, softer but not elastic.  
 61 *Chinky*, (*rimosus*) spontaneously forming cracks in the exterior bark.  
 62 *Coated*, (*tunicatus*) clothed with membranes.  
 63 *Polish'd*, (*lævis*) with an equal surface.  
 64 *Striated*, (*striatus*) engraved with very fine hollow lines.  
 65 *Furrow'd*, (*fulcatus*) ploughed with deep lines.  
 66 *Smooth*, (*glaber*) 213.  
 67 *Rugged*, (*scaber*) 240.  
 68 *Murex'd*, (*muricatus*) sprinkled with awl-shape points.  
 69 *Downy*, (*tomentosus*) 235.  
 70 *Villous*, (*villosus*) 234.  
 71 *Hispid*, (*hispidus*) 241.  
 72 *Prickly*, (*acculeatus*) 242.  
 73 *Thorny*, (*spinosus*) armed with spines. 384.  
 74 *Stinging*, (*urens*) sprinkled with stings. 391.  
 75 *Stipuled*, (*stipulatus*) having stipules. 291.  
 76 *Membranous*, (*membranatus*) flattened like a leaf.  
 77 *Bulb-bearing*, (*bulbiferus*) producing bulbs, 653.

## STRUCTURE.

- 78 *Knotless*, (*enodis*) continued without joints.  
 79 *Very simple*, (*simplicissimus*) with scarcely any branches.  
 80 *Simple*, (*simplex*) extended into a continued series towards the top.  
 81 *Intire*, (*integer*) very simple with small branches.  
 82 *Jointed*, (*articulatus*) intercepted with knots.  
 83 *Proliferous*, (*prolifer*) putting out branches only from the center of the top.  
 84 *Two-fork'd*, (*dichotomus*) divided always by pairs.  
 85 *Cross-arm'd*, (*brachiatus*) with branches opposed cross-wise.  
 86 *Somewhat-branched*, (*subramosus*) with very few lateral branches.  
 87 *Branched*, (*ramosus*) with many lateral branches.  
 88 *Very branched*, (*ramosissimus*) thronged with many branches without order.  
 89 *Twiggy*, (*virgatus*) with weak unequal branchlets.  
 90 *Panicled*, (*paniculatus*) with branches variously subdivided.

- 91 *Level-top'd*, (*fastigiatus*) with branches of equal height.  
 92 *Expanding*, (*patens*) (131.) 93 *Divaricated*, (*divaricatus*) (103)

BRANCHES, (*rami*) parts of the stem.

- 94 *Alternate*, (*alterni*) (113) 95 *Two-rank'd*, (*distichi*) (114) 96  
*Scatter'd*, (*sparsi*) (116).  
 97 *Crowded*, (*conferti*) (117) 98 *Opposite*, (*oppositi*) (124).  
 99 *Verticil'd*, (*verticillati*) many surrounding the trunk at the joints.  
 100 *Erect*, (*erecti*). (127).  
 101 *Condensed*, (*coarctati*) almost leaning over toward the top.  
 102 *Diverging*, (*divergentes*) parting from the trunk at a right angle.  
 103 *Divaricated*, (*divaricati*) parting from the trunk at an obtuse  
 angle.  
 104 *Deflected*, (*deflexi*) inclining downwards in an arch.  
 105 *Reflected*, (*reflexi*) hanging perpendicularly.  
 106 *Retroflected*, (*retroflexi*) this way and that way distorted.  
 107 *Prop'd*, (*fulcrati*) (289) furnished with props.

LEAVES, (*folia*) organs of motion of the plant.

DETERMINATION: PLACE.

- 108 *Radical*, or *root-leaf*, (*radicale*) sitting on the root.  
 109 *Stem-leaf*, (*caulinum*) inserted on the stem  
 110 *Branch-leaf*, (*ramcum*) sitting on the branches.  
 111 *Axillary*, (*axillare*) inserted at the base of the branch.  
 112 *Floral*, (*florale*) nearest to the flower.

*The number is to be noted.*

SITUATION.

- 113 *Alternate*, (*alterna*) arising by steps about the branch.  
 114 *Two-rank'd*, (*disticha*) bending towards the sides of the branch,  
 though inserted on all parts of it.  
 115 *Two-faced*, (*bifaria*) springing only on the two opposite sides of the  
 branch.  
 116 *Scatter'd*, (*sparsi*) growing without certain order.  
 117 *Crowded*, (*conferti*) numerous almost hiding the whole branch or  
 stem.  
 118 *Imbricated*, (*imbricata*) covering half of each other.  
 119 *Fascicled*, (*fasciculata*) many from the same point at the joint of the  
 branches.  
 120 *Two-fold*, *three-fold*, *five-fold*, &c. (*bina*, *terna*, *quina*, &c.) ac-  
 cording to the number at the joints of the branches.  
 121 *Confluent*, (*confluentia*) cohering together at the base.  
 122 *Approximated*, (*approximata*) coming very near each other.  
 123 *Remote*, (*remota*) distant from each other.

124 *Opposite*

- 124 *Opposite*, (*opposita*) placed cross-wise by pairs.  
 125 *Decussated*, (*decussata*) so disposed oppositely, that the branches, as we look down on the top, resemble four orders.  
 126 *Star'd*, (*stellata*) more than two leaves surrounding the stem.

DIRECTION.

- 127 *Erect*, (*erectum*) rising almost to a perpendicular.  
 128 *Straight*, (*strictum*) quite perpendicular without bending.  
 129 *Rigid*, (*rigidum*) impatient of flexure.  
 130 *Appress'd*, (*appressum*) approaching the stem with its disk.  
 131 *Expanding*, (*patens*) growing from the stem at an acute angle.  
 132 *Horizontal*, (*horizontale*) departing from the stem at a right angle.  
 133 *Arising*, (*assurgens*) archwise erect, first declining, then erect at the point.  
 134 *Inflexed*, (*inflexum*) arched upward towards the top.  
 135 *Reclined*, (*reclinatum*) bent down that there may be an arch below the base, with an ascending point.  
 136 *Recurvate*, (*recurvatum*) bent down so that the arch looks upwards.  
 137 *Revolvate*, (*revolutum*) bent spirally.  
 138 *Depending*, (*dependens*) looking straight on the earth.  
 139 *Oblique*, (*obliquum*) looking towards the sky, with the base towards the horizon.  
 140 *South-turn'd*, (*adversum*) turning the upper side to the South, (not to the sky.)  
 141 *Vertical*, (*verticale*) inverted, so that the region of base is narrower than the region of the point.  
 142 *Resupine*, (*resupinatum*) the upper side being under, and the under side uppermost.  
 143 *Immersed*, (*immersum*) hid under the surface of water.  
 144 *Swimming*, (*natans*) lying on the surface of the water.  
 145 *Rooting*, (*radicans*) striking roots.

INSERTION.

- 146 *Petioled*, (*petiolatum*) a petiole (292) inserted at the base.  
 147 *Targeted*, (*peltatum*) the petiole inserted into the disk of the leaf.  
 148 *Sessile*, (*sessile*) fitting immediately on the stem without a petiole.  
 149 *Adjoin'd*, (*adnatum*) joined to the base of the branch by its upper surface.  
 150 *Coadjoin'd*, (*coadunatum*) many joined together.  
 151 *Decursive*, (*decurrens*) extended downwards along the stem by the base of the leaf.  
 152 *Stem-clasping*, (*amplexicaule*) the base surrounding the stem.  
 153 *Leaf-pierced*, (*perfoliatum*) the base transversely surrounding the stem and not gaping before.

154 *Conjoin'd*

- 154 *Conjoin'd*, (*connata*) the pairs of opposite leaves conjoin'd at their base.
- 155 *Sheathing*, (*vaginans*) the base forming a tube cloathing the stem.

## STRUCTURE: FIGURE.

- 156 *Roundish*, (*subrotundum*) approaching to an orbicular (157) figure.
- 157 *Orbicular*, (*orbiculatum*) a surrounding circle [the longitudinal diameter equal to the transverse one.]
- 158 *Egg'd*, (*ovatum*) the longitudinal diameter of which is greater than the transverse one, circumscribed at the base by a segment of a circle, the top being narrower.
- 159 *Oval*, (*ovale*.) from a circle becoming oblong, each extremity being rounded and equal.
- 160 *Oblong*, (*oblongum*) the longitudinal diameter a few times greater than the transverse one.
- 161 *Parabolic*, (*parabolicum*) round towards the top gradually narrower.
- 162 *Wedge-form*, (*cuneiforme*) gradually narrowed towards the base.
- 163 *Spatuled*, (*spatulatum*) roundish (156) with a narrower linear (167) base.
- 164 *Rounded*, (*rotundatum*) deprived of angles.
- 165 *Lanced*, (*lanceolatum*) oblong taper'd, at both ends.
- 166 *Elliptic*, (*ellipticum*) lanced with the breadth of an egg'd leaf.
- 167 *Linear*, (*linearis*) every where of an equal breadth.
- 168 *Awny*, (*acerosum*) linear, (167) permanent, (272).

## ANGLES.

- 169 *Intire*, (*integrum*) undivided without any hollow.
- 170 *Triangular*, &c. (*Triangulare*, &c.) according to the number of angles.
- 171 *Delta-like*, (*deltoidcum*) rhomb-form (172) of four angles, of which the collateral ones are less remote from the base than the others.
- 172 *Rhombic*, (*rhombeum*) the form of a rhombus.
- 173 *Trapeze-form*, (*trapeziforme*) the form of a trapezium.

## HOLLOWS.

- 174 *Hearted*, (*cordatum*) somewhat egg'd, hollow'd at the base without posterior angles.
- 175 *Kidney-form*, (*reniforme*) roundish, hollow'd at the base without posterior angles.
- 176 *Moon'd*, (*lunatum*) roundish, hollow'd at the base, with posterior acute angles.

177 *Arrow'd*



- 177 *Arrow'd*, (*sagittatum*) triangular, with posterior acute angles divided by an interstice.
- 178 *Halberted*, (*hastatum*) arrow'd (177) with posterior angles divided by an interstice, prominent at the sides.
- 179 *Runcinate*, (*runcinatum*) feather-cleft, (187) so that the lobes, convex before, are the contrary behind, as Dandelion.
- 180 *Violin-form*, (*panduriforme*) oblong contracted below at the sides.
- 181 *Cleft*, (*fissum*) divided by linear hollows, with straight edges.
- 182 *Lobed*, (*lobatum*) divided by the middle into distant parts.
- 183 *Twice-fivecleft*, (*bi-quinquefidum*) according to the number of the fissures. (181)
- 184 *Parted*, (*partitum*) divided almost to the base.
- 185 *Handed*, (*palmatum*) divided beyond the middle into equallish lobes.
- 186 *Lyred*, (*lyratum*) divided transversly into segments, of which the inferior less ones, are more remote.
- 187 *Feather-cleft*, (*Pinnatifidum*) divided transversly into horizontal oblong segments.
- 188 *Sinuous*, (*sinuatum*) with wide hollows on the sides.
- 189 *Jagged*, (*laciniatum*) cut into various and indeterminate parts.
- 190 *Ragged*, (*squarrosum*) divided into elevated threads, parallel to the plane of the leaf.

## MARGIN.

- 191 *Very intire*, (*integerrimum*) the very edge linear, not in the least cut.
- 192 *Notch'd*, (*crenatum*) the margin cut into nicks without any respect to the extremities.
- 193 *Saw'd*, (*ferratum*) all the nicks of the margin looking towards the extremity.
- 194 *Fringed*, (*ciliatum*) parallel bristles, longitudinally placed on the margin.
- 195 *Tooth'd*, (*dentatum*) diverging remote points on the margin.
- 196 *Thorny*, (*spinosum*) awl'd, rigid prickly points on the margin.
- 197 *Gristly*, (*cartilagineum*) with a boneyish margin.
- 198 *Scollop'd*, (*repandum*) the margin winding yet flat.
- 199 *Torn*, (*lacerum*) the margin variously divided in different shaped segments.
- 200 *Gnaw'd*, (*erosum*) sinuous (188) with very small obtuse hollows, and with equal segments.

## TOP.

- 231 *Dædal*, (*dædaleum*) at the same time winding and torn. (199).
- 202 *Obtuse*, (*obtusum*) terminated with a segment of a circle.
- 203 *End-nick'd*, (*emarginatum*) terminated with a nick.

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204 *Retuse*

- 205 *Retuse*, (*retusum*) terminated with an obtuse hollow.  
 205 *End-bitten*, (*præmorsum*) terminated obtusely, with unequal divisions.  
 206 *Lop'd*, (*truncatum*) terminated with a transverse line.  
 207 *Acute*, (*acutum*) terminated with an acute angle.  
 208 *Pointed*, (*acuminatum*) terminated with an awl'd (267) point.  
 209 *Piked*, (*cuspidatum*) terminated with a bristly point.  
 210 *Dagger'd*, (*mucronatum*) terminated with a dagger standing out.  
 211 *Tendrill'd*, (*cirrhosum*) terminated with a tendril.

## SURFACE.

The upper side generally looks towards the sky, and the under one towards the earth.

- 212 *Naked*, (*nudum*) destitute of hairs or bristles.  
 213 *Smooth*, (*glabrum*) with a slippery surface.  
 214 *Glossy*, (*nitidum*) with a shining smoothness.  
 215 *Bright*, (*lucidum*) as if illuminated.  
 216 *Colour'd*, (*coloratum*) with any colour but green.  
 217 *Nervy*, (*nervosum*) with very simple veins from the base to the point.  
 218 *Three-nerve*, (*trinerve*) three nerves meeting together at the *base of the leaf*.  
 219 *Triple-nerve* (*triplinerve*) nerved with three nerves meeting together *above the base of the leaf*.  
 220 *Three-nerved*, (*trinervatum*) nerved with three nerves meeting together *behind the base of the leaf*.  
 221 *Nerveless*, (*enerve*) opposed to nerved. (217 220.)  
 222 *Lined*, (*lineatum*) with depressed nerves.  
 223 *Striated*, (*striatum*) with parallel lines slightly hollow'd.  
 224 *Furrow'd*, (*fulcatum*) with deep hollow lines.  
 225 *Vein'd*, (*venosum*) with vessels variously divided.  
 226 *Wrinkled*, (*rugosum*) full of wrinkles.  
 227 *Bubbled*, (*bullatum*) form'd from a wrinkled (226) leaf, the veins being contracted on the other side.  
 228 *Pitted*, (*lacunosum*) the disk being depressed between the intersecting veins.  
 229 *Veinless*, (*avene*), opposed to veiny. (225.)  
 230 *Dotted*, (*punctatum*) sprinkled with hollow points.  
 231 *Papillous*, (*papillosum*) covered with fleshy, points.  
 232 *Pimply*, (*papulosum*) covered with little blisters.  
 233 *Viscid*, (*viscidum*) smeared with a tenaceous moisture.  
 234 *Villous*, (*villosum*) covered with soft hairs.  
 235 *Downy*, (*tomentosum*) covered with an undiscernable intertexture of hairs.  
 236 *Silky*, (*sericeum*) covered with very soft close-pressed hairs.

- 237 *Woolly*, (*lanatum*) clothed as with cobweb (the hairs spontaneously curling.  
 238 *Bearded*, (*barbatum*) set with parallel hairs.  
 239 *Hairy*, (*pilosum*) covered with distinct long hair.  
 240 *Rugged*, (*scabrum*) rough with prominent stiffish points.  
 241 *Hispid*, (*hispidum*) besprinkled with stiff bristles.  
 242 *Prickly*, (*aculeatum*) armed with prickles. (378.)  
 243 *Lance-prickled*, (*strigosum*) with lanced (165.) stiff (30.) prickles.

## EXPANSION.

- 244 *Flat*, (*planum*) with an equal surface.  
 245 *Channel'd*, (*canaliculatum*) longitudinally hollow'd with a deep furrow.  
 246 *Concave*, (*concauum*) with the edge more contracted than the disk, so that the disk is depressed.  
 247 *Convex*, (*convexum*) with the edge more contracted than the disk, so that the disk is elevated.  
 248 *Cowl'd*, (*cucullatum*) the sides approaching at the base, but the top spreading out.  
 249 *Plaited*, (*plicatum*) the disk alternately bent with acute folds  
 250 *Waved*, (*undatum*) the disk alternately bent with obtuse folds.  
 251 *Curl'd*, (*crispum*) the margin being luxuriant, the disk becomes larger than its ribs.

## SUBSTANCE.

- 252 *Membraneous*, (*membranaceum*) the proper substance of the leaf.  
 253 *Parch'd*, (*scariosum*) the substance dry, parch'd founding to the touch.  
 254 *Gibbous*, (*gibbum*) both surfaces being convex, containing a more copious pulp.  
 255 *Columnar*, (*teres*) almost cylindrical.  
 256 *Depress'd*, (*depressum*) a pulpy (261) leaf, the disk more flatten'd than the sides.  
 257 *Compress'd*, (*compressum*) a pulpy leaf, the sides more flatten'd than the disk.  
 258 *Keel'd*, (*carinatum*) the under part of the disk prominent longitudinally.  
 259 *Compact*, (*compactum*) consisting of solid substance.  
 260 *Tubular*, (*tubulosum*) internally concave or empty.  
 261 *Pulpy*, (*pulosum*) filled with a tenaceous material.  
 262 *Fleshy*, (*carnosum*) filled internally with a solidish pulp.  
 263 *Three-sided*, (*triquetrum*) three longitudinal sides in an awl'd (167.) leaf.  
 264 *Two-edged*, (*anceps*) two prominent longitudinal angles, the disk being more convex.

- 265 *Tongued*, (*lingulatum*) linear (167) fleshy (262) convex (247) underneath.
- 266 *Sword-form*, (*ensiforme*) two-edged (264) gradually lessening from the base to the top.
- 267 *Awl'd* (*subulatum*) linear at the base, lessening towards the top.
- 268 *Scymiter-form*, (*acinaciforme*) compress'd (257) fleshy (262) with one edge convex, narrow, the other straighter thicker.
- 269 *Axe-form*, (*dolabriforme*) compress'd, roundish, outwardly gibbous (254) with a sharp edge roundish beneath.

## DURATION.

- 270 *Deciduous*, (*deciduum*) falling after one summer.
- 271 *Falling*, (*caducum*) falling in a short time, not enduring the whole summer.
- 272 *Permanent*, (*persistens*) not falling when the summer is over.
- 273 *Perennial*, (*perenne*) living through some years.
- 274 *Evergreen*, (*sempervirens*) flourishing through all seasons of the year.

## COMPOSITION.

- 275 *Compounded*, (*compositum*) the petiole (290) supporting more than one leaf.

## COMPOUNDED.

- 276 *Jointed*, (*articulatum*) leaf growing out from the top of the leaf.
- 277 *Pair'd*, (*conjugatum*) feather'd (281) with only two lateral leaflets.
- 278 *Finger'd*, (*digitatum*) a simple petiole joining the leaflets to it at the top.
- 279 *Two-fold*, (*binatum*) finger'd (278) terminated with two leaflets.
- 280 *Footed*, (*pedatum*) the petiole two-cleft, the interior side only joining to it many leaflets.
- 281 *Feather'd*, (*pinnatum*) a simple petiole joining to it at the sides many leaflets.
- 282 *Twice-pair'd*, (*bijugum*) so *thrice-pair'd*, (*trijugum*) *four-times-pair'd*, (*quadrijugum*) &c. feather'd, but with only four leaflets, &c.

*with an odd one*, (*cum impari*) feather'd, terminated with a single (unpair'd) leaf.

*abruptly*, (*abrupte*) feather'd, terminated neither with a tendril nor with a leaflet. (69)

*Tendril'd*, (*chirrhosum*) terminated with a tendril. (292)  
*with leaflets opposite*, (*foliolis oppositis*) (124) alternate.  
*interrupted*, (*ruptis*) with the alternate leaflets less.

*decurfive*

*decurfive, (decurfivis)* with decurrent (151) leaflets on the petiole.

DECOMPOSED.

- 283 *Twice-double, (bigeminum)* a two-fork'd (84) petiole joining many leaflets at the top.  
 284 *Thrice-three'd, (biternatum)* thrice three-finger'd. (279)

SUPERDECOMPOSED.

- 285 *Twice-feather'd, (bipinnatum)* doubly feather'd. (281)  
 286 *Thrice-double, (trigeminum)* triply double. Petiole twice-cleft bearing two leaflets at each fummit, and two other leaflets at the forking of the common petiole.  
 287 *Three-times thrice-three'd, (triternatum)* triply threefold.  
 288 *Thrice-feather'd (tripinnatum)* triply feather'd.

289 SUPPORTS (*fulcra*) affiftances for the more commodious support of the plant.

- 290 *Petiole, (petiolus)* a prop fupporting the leaf.  
 291 *Stipule, (stipula)* a fcale ftanding at the bafe of the rifing leaf-ftalk.  
 292 *Tendril, (cirrbus)* a fpiral threadform band, by which a plant is tyed to other bodies.  
 293 *Pubefcence, (pubes)* every kind of hairynefs of plants.  
 294 *Arms, (arma)* points preventing animals from injuring the plants.  
 295 *Braët, (braëtea)* floral leaf (112) differing in appearance from other leaves.  
 196 *Peduncle, (pedunculus)* a prop fufstaining the fructification.

PETIOLE.

FIGURE.

- 297 *Linear, (linearis)* (167)  
 298 *Wing'd, (alatus)* dilated at the fides.  
 299 *Club'd, (clavatus)* thicken'd towards the top.  
 300 *Membranous, (membranaceus)* flatten'd.  
 301 *Columnar, (teres)* (255).  
 302 *Semi-columnar, (semiteres)* (48)  
 303 *Three-sided, (triquetter)* (53)

SIZE.

- 304 *Very fhort, (brevisfimus)* not reaching by much the length of the leaf.  
 305 *Short, (brevis)* not reaching the whole length of the leaf.  
 306 *Middlefize, (mediocris)* as long as the leaf.

307 *Very*

- 307 *Long*, (*longus*) exceeding the leaf in length.  
 308 *Very long*, (*longissimus*) exceeding the leaf in length several times.

INSERTION.

- 309 *Inserted*, (*insertus*) fitting perpendicularly on the branch.  
 310 *Adjoin'd*, (*adnatus*) (149.)  
 311 *Decursive*, (*decurrens*) (151)  
 312 *Stem-clasping*, (*amplexicaulis*) (152.)  
 313 *Appendaged*, (*appendiculatus*) with leafy films at the base.

DIRECTION.

- 314 *Erect*, (*erectus*) (127)  
 315 *Expanding*, (*patens*) (137.)  
 316 *Arising*, (*assurgens*) (133.)  
 317 *Recurved*, (*recurvatus*) (136.)

SURFACE.

- 318 *Smooth*, (*glaber*) (213.)  
 319 *Prickley*, (*aculeatus*) (242.)  
 320 *Naked*, (*nudus*) (212)  
 321 *Jointed*, (*articulatus*) (82.)  
 322 *Spinescent*, (*spinescens*) growing hard and sharp.

STIPULES, (*stipulæ*.)

- 323 *Double*, (*geminæ*) two and two in pairs.  
 324 *Solitary*, (*solitariæ*) simple, scatter'd,  
 325 *Lateral*, (*lateralis*) inserted on the sides.  
 326 *Behind the leaf*, (*extrafoliaceæ*) placed beneath the leaf,  
 327 *Before the leaf*, (*intrafoliaceæ*) placed above the leaf.  
 328 *Leaf-opposed*, (*oppositifoliæ*) placed opposite on the side of the leaf.  
 329 *Falling*, (*caducæ*) (271) 330 *Deciduous*, (*decidua*) (270.)  
 330 *Permanent*, (*persistentes*) remaining after defoliation.  
 332 *Spinescent*, (*spinescentes*) (322). 333 *Sessile* (*sessiles*) (148.)  
 334 *Adjoin'd*, (*adnatæ*) (149.) 335 *Decurrent*, (*decurrentes*) (151.)

336 *Sheathing*

- 336 *Sheathing*, (*vaginantes*) (155.) 337 *Awl'd*, (*subulatae*) (267.)  
 338 *Lanced*, (*lanceolatae*) (165.) 339 *Arrow'd*, (*sagittatae*) (177.)  
 340 *Moon'd*, (*lunatae*) (176.) 341 *Erect*, (*erectae*) (127.)  
 342 *Expanding*, (*patentes*) (131.) 343 *Very intire*, (*integerrimae*) (191.)  
 344 *Saw'd*, (*serratae*) (193.) 345 *Fringed*, (*ciliatae*) (194.)  
 346 *Tooth'd*, (*dentatae*) (195.) 347 *Cleft*, (*fissae*) (181.)

TENDRIL, (*cirrus*.)

- 348 *Axillary*, (*axillaris*) (111.)  
 349 *Leaf-tendril*, (*foliaris*) growing on the leaf.  
 350 *Petiole-tendril*, (*petiolaris*) sitting on the petiole (290.)  
 351 *Peduncle-tendril*, (*peduncularis*) sitting on the peduncle. (296.)  
 352 *Simple*, (*simplex*) undivided.  
 353 *Three-cleft*, (*trifidus*) divided into three parts.  
 354 *Many-cleft*, (*multifidus*) divided into many parts.  
 355 *Convolute*, (*convolutus*) bent in rings.  
 356 *Revolute*, (*revolutus*) a spiral line turned back in the middle of its course.

PUBESCENCE, (*pubes*.)

- 357 *Hairs*, (*pili*) excretory ducts of the plant bristly.  
 358 *Wool*, (*lana*) curved dense hairs.  
 359 *Beard*, (*barba*) parallel hairs.  
 360 *Down*, (*tomentum*) soft interwoven hairs scarcely discernable.  
 361 *Lance-bristles*, (*strigae*) stiffish flattish hairs.  
 362 *Bristles*, (*setae*) stiffish roundish hairs.  
     363 *Simple*, (*simplices*) equally extended longitudinally.  
     364 *Hook'd*, (*hamosae*) easily adhering to animals.  
     365 *Branchy*, (*ramosa*) subdivided as if into branchlets.  
     366 *Feathery*, (*plumosae*) compounded flaggy.  
     367 *Star'd*, (*stellatae*) disposed decussately.  
     368 *Hooks*

- 368 *Hooks*, (*hami*) daggers pointed curved.  
 369 *Barbs*, (*glochides*) daggers bent back at the top.  
 370 *Gland*, (*glándula*) a teat excreting a fluid.  
 371 *Bladder*, (*utriculus*) a vessel filled with a secreted fluid.  
 372 *Leaf-bladders*, (*foliaceæ*) inserted on the leaves.  
 373 *Petiole-bladders*, (*petiolares*) (350.)  
 374 *Peduncle-bladders*, (*pedunculares*) (351.)  
 375 *Stipule-bladders*, (*stipulares*) inserted on the stipule (291.)  
 376 *Viscosity*, (*viscositas*) the quality of a tenacious fluid.  
 377 *Glutinosity*, (*glutinofitas*) the quality of a slippery fluid.

ARMS, (*arma*.)

- 378 *Prickles*, (*aculei*) pricking daggers fixed only on the bark of plants.  
 379 *Straight*, (*recti*) without bendings.  
 380 *Incurved*, (*incurvi*) bent inwards.  
 381 *Recurved*, (*recurvi*) reflected outwards.  
 382 *Forks*, (*furcæ*) prickles divided into many.  
 383 *Two-cleft*, & *three-cleft*, (*bifidæ* & *trifidæ*.) from the number of the divisions.  
 384 *Thorn*, (*spina*) a dagger protruded from the wood of the plant.  
 385 *Terminal*, (*terminalis*) placed at the point of the plant.  
 386 *Axillary*, (*axillaris*) (111.)  
 387 *On the calyx*, (*calycina*) fitting on the calyx.  
 388 *On the leaf*, (*foliaris*) (349.)  
 389 *Simple*, (*simplex*) (363.)  
 390 *Divided*, (*divisa*) parted at top.  
 391 *Stings*, (*stimuli*) daggers producing inflammatory itching punctures.

BRACTS, (*bractæ*) leaves of the following year.

- 392 *Colour'd*, (*coloratæ*) (216.) 393 *Falling*  
 (*caducæ*) (271.)  
 393 *Deciduous*, (*deciducæ*) (270.) 395 *Perma-*  
*nent*, (*persistens*) (272.)



396 *Tuft*, (*coma*) bracts terminating the stem, remarkable for their size.

PEDUNCLE. 397 *Partial*, (*partialis*) bearing some flowers of the common peduncle.

398 *Common*, (*communis*) common to many flowers.

399 *Pedicel*, (*pedicellus*) proper to the flowers of the common peduncle.

400 **SCAPE**, putting on the appearance of a stem with rooted peduncles:

PLACE:

401 *Radical*, (*radicalis*) (108.) 402 *Stem-scape*, (*caulinus*) (109.)

403 *Branch-scape*, (*rameus*) (110.) 404 *On the petiole*, (*petiolaris*) (350.)

405 *Tendrill-bearing*, (*cirrhiferus*) (292.)

406 *Terminal*, (*terminalis*) (385.)

407 *Axillary*, (*axillaris*) (111.) 408 *Leaf opposed*, (*oppositifolius*) (328.)

409 *Side-flower'd*, (*lateriflorus*) (325.)

410 *Before the leaf*, (*interfoliaceus*) (327)

411 *Behind the leaf*, (*extrafoliaceus*) (326.)

SITUATION.

412 *Alternate*, (*alternus*) (112.) 413 *Scatter'd*, (*sparfus*) (116.)

414 *Opposite*, (*oppositus*) (124.) 415 *Verticill'd*, (*verticillatus*) (99.)

NUMBER.

416 *Solitary*, (*solitarius*) (324.) 417 *Double*, (*geminatus*) (323.)

418 *Sessile umbellet*, (*umbellula sessilis*) many peduncles proceeding from the same center with an equal circumference.

DIRECTION.

419 *Appress'd*, (*adpressus*) (130.) 420 *Erect*, (*erectus*) (127.)

221 *Expanding*, (*patens*) (131.)

422 *Bowing*, (*cernuus*) the top bending towards the earth.

423 *Resupine*, (*resupinatus*) (142.)

424 *Declin'd*, (*declinatus*) (34.)

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425 *Nodding*

- 425 *Nodding*, (*nutans*) (36.)  
 426 *Flaccid*, (*flaccidus*) weak, bending beneath the weight of its flower.  
 427 *Ascending*, (*ascendens*) (33.)  
 428 *Pendulous*, (*pendulus*) loose, hanging downwards with its leaf.  
 429 *Straight*, (*strictus*) (29.)  
 430 *Winding*, (*flexuosus*) bending from flower to flower.  
 431 *Retrofracted*, (*retrofractus*) as if forcibly brought to hang down.  
 432 *Many-flower'd*, (*multiflorus*) from the number of flowers on one stalk.

## STRUCTURE.

- 433 *Columnar*, (*teres*) (47.) 434 *Three-sided*, (*triqueter*) (53.)  
 435 *Four-corner'd*, (*tetragonus*) (52.)  
 436 *Thread-form*, (*filiformis*) every where of equal thickness.  
 437 *Taper'd*, (*attenuatus*) gradually losing its thickness towards the top.  
 438 *Club'd*, (*clavatus*) (299.)  
 439 *Thicken'd*, (*incrassatus*) gradually acquiring a greater bulk towards the top.  
 440 *Naked*, (*nudus*) (212.) 441 *Scaly*, (*squamosus*) (58.) 442 *Leaved* (*foliatus*) (56.)  
 443 *Bractea*, (*bracteatus*) furnished with a bract.  
 444 *Knotted*, (*geniculatus*) (43.) 445 *Jointed*, (*articulatus*) (82.)  
 446 **INFLORESCENCE**, (*inflorescentia*) is the manner in which flowers are joined to their peduncles.  
 447 **VERTICIL**, (*verticillus*) many flowers surrounding the stem like a ring.  
 448 *Sessile*, (*sessilis*) without apparent pedicils.  
 449 *Peduncled*, (*pedunculatus*) with peduncles elevating the flower.  
 450 *Naked*, (*nudus*) opposed to 451, 452.  
 451 *Involucred*, (*involucratus*) furnished with an involucre.  
 452 *Bracted*, (*bracteatus*) (443.)  
 453 *Crowded*, (*confertus*) the peduncles near together (117.)  
 454 *Distant*, (*distans*) the peduncles remote.

- 455 HEAD, (*capitulum*) with many flowers collected in a globe.  
 456 *Roundish*, (*subrotundum*) almost globular, (457.)  
 457 *Globular*, (*globosum*) round on all sides.  
 458 *Halved*, (*dimidiatum*) round on one side flat on the other.  
 459 *Leafy*, (*foliosum*) leaves intermixed with the flowers.  
 460 *Naked*, (*nudum*) destitute of leaves and bristles.  
 461 *Fascicle*, (*fasciculus*) a collection of erect parallel flowers, approaching each other level at the top.
- 462 SPIKE, (*spica*) alternate sessile flowers on a simple common peduncle.  
 463 *Simple*, (*simplex*) continued undivided.  
 464 *Compound*, (*composita*) many spikelets growing on a peduncle.  
 465 *Glomorate*, (*glomorata*) spikelets variously heaped together.  
 466 *Egg'd*, (*ovata*) (158.)  
 467 *Bellied*, (*ventricosa*) gibbous on the sides (254)  
 468 *Cylindric*, (*cylindrica*) taperish. *One-rank'd*, (*secunda*) means the above halved.  
 469 *Interrupted*, (*interrupta*) with less alternate distinct spikes.  
 470 *Imbricated*, (*imbricata*) (118.)  
 471 *Jointed*, (*articulata*) (82.)  
 472 *Branchy*, (*ramosa*) variously divided.  
 473 *Linear*, (*linearis*) (167.)  
 474 *Fringed*, (*ciliata*) (194.)  
 475 *Leafy*, (*foliacea*) divided by leaves.  
 476 *Tufty*, (*comosa*) terminated with leaflets.
- 477 CORYMBE, (*corymbus*) is formed from a spike (462) when all the flowers are furnished with their appropriated petioles, and proportionally elevated.
- 478 THYRSE, (*thyrsus*) a panicle, (*panicula*) (490) condensed into an egg'd form.
- 479 RACEME, (*racemus*) with peduncle furnished with lateral branches.  
 480 *Simple*, (*simplex*) undivided.  
 481 *Compound*, (*compositus*) divided into many.  
 482 *One-sided*, (*unilateris*) all the flowers inserted on one side.  
 483 *One-row'd*, (*secundus*) all the flowers bent to one side.

- 484 *Footed*, (*pedatus*) (280.)  
 485 *Pair'd*, (*conjugatus*) (277.)  
 486 *Erect*, (*erectus*) (127.) 487 *Flexible*, (*laxus*) (31.)  
 488 *Naked*, (*nudus*) (460.) 489 *Leaved*, (*foliatus*)  
 (56.)

490 PANICLE, (*panicula*) scatter'd flowers on a peduncle variously divided.

According to the Structure of the trunk.

491 FRUCTIFICATION, (*fructificatio*) a temporary part of vegetables dedicated to germination.

492 *Simple*, (*simplex*) consisting of few flowers.

493 *Compound*, (*composita*) with many confluent florets.

494 CALYX, (*calyx*) the bark of the plant present in the fructification.

495 *Perianth*, (*perianthium*) a calyx contiguous to the fructification.

496 *Of the fructification*, (*fructificationis*) including the stamens and germ.

497 *Of the flower*, (*floris*) containing the stamens without the germ.

498 *Of the fruit*, (*fructus*) containing the germ without the stamens.

499 *Proper*, (*proprium*) respecting each flower.

500 *One leaf*, (*monophyllum*) form'd of a single leaf.

501 *Many-leaved*, (*polyphyllum*) consisting of many leaves.

502 *Two-cleft*, *five-cleft*, (*bifidum*, *quinquefidum*) (181)

503 *Two-parted*, *five-parted*, (*bipartitum*, *quinquepartitum*) (184.)

504 *Intire*, (*integrum*) (169.)

505 *Tubular*, (*tubulosum*) (260.)

506 *Expanding*, (*patens*) (131.)

507 *Reflected*, (*reflexum*) the parts bent backwards.

508 *Inflated*, (*inflatum*) hollow like a bladder.

509 *Abbreviated*, (*abbreviatum*) not so long as the tube.

510 *Obtuse*, (*obtusum*) (202.)

511 *Acute*, (*acutum*) (207.)

512 *Thorny*, (*spinosum*) (73.)

513 *Prickly*

- 513 *Prickly, (acculeatum)* (242.)
- 514 *Above, (superum)* when the germ is below the receptacle.
- 515 *Beneath, (inferum)* when the germ is above the receptacle.
- 516 *Common, (commune)* containing many congregate flowers.
- 517 *Imbricated, (imbricatus)* covered with various superimposed scales.
- 518 *Rugged, (squamulosum)* with scales every where disjointed.  
*Parch'd, (scariosum)* with scales at the margin membranous dry, sonorus (253.)
- 519 *Topshape, (turbinatum)* inversly conical.
- 520 *Calyced, (calyculatum)* the calyx surrounded at the base, as if with a lesser calyx.
- 521 *Involucre, (involucrum)* a calyx remote from the flower.
- 522 *Universal, (universale)* beneath an universal umbel.
- 523 *Partial, (partiale)* beneath a partial umbel.
- 524 *Proper, (proprium)* beneath each flower.
- 525 *Glume, (gluma)* the calyx of *grafs*, with embracing valves.
- 526 *One-flower'd, (uniflora)* embracing a single flower.
- 527 *Many-flower'd, (multiflora)* including many flowers.
- 528 *One-valved, (univalvis)* consisting of one valve.
- 529 *Two-valved, (bivalvis)* consisting of two valves.
- 530 *Many-valved, (multivalvis)* with more than two valves.
- 531 *Colour'd, (colorata)* (216.) 532 *Smooth, (glabra)* (213.) 533 *Hispid, (hispida)* (241.)
- 534 *Awn, (arista)* an awl'd dagger growing on the glume.
- 535 *Awnless, (mutica)* without a point.
- 536 *Terminal, (terminalis)* fixed to the point of the glume.
- 537 *Dorsal, (dorsalis)* placed on the exterior side of the glume.
- 538 *Straight, (recta)* coming out perpendicularly.
- 539 *Twisted, (tortilis)* bent like a cord.
- 540 *Knotted, (geniculata)* (43.)

541 *Recurved*

541. *Recurved*, (*recurvata*) (136.)
- 542 *Ament*, (*amentum*) from a chaffy buddy common *receptacle*. (633)
- 543 *Spathe*, (*spatha*) a calyx bursting longitudinally.
- 544 *One-valved*, (*univalvis*) gaping on one side.
- 545 *Halved*, (*dimidata*) covering the fructification only with the interior side.
- 546 *Calyptrae*, (*calyptra*) a cowl'd calyx of MOSS covering the anther.
- 547 *Straight*, (*recta*) every where equal.
- 548 *Oblique*, (*obliqua*) bent to one side.
- 549 *Volva*, (*volva*) the membranous calyx of a FUNGUS.
- 550 *Approximated*, (*approximata*) near the head.
- 551 *Very remote*, (*remotissima*) distant from the head.
- 552 **COROL**, (*corolla*) the inner rind of the plant present in the flower.
- 553 *Petal*, (*petalum*) part of a corol divided into many.
- 554 *Tube*, (*tubus*) the inner part of a one-petal corol.
- 555 *Clauz*, (*unguis*) the interior part of a many-petal'd corol fix'd to the receptacle.
- 556 *Boarder*, (*limbus*) the superior dilated part of the corol.
- 557 *Fold*, (*lamina*) the superior spreading part of a one-petal'd corol. One-petal'd, or many-petal'd, according to the number of petals.
- 558 *Regular*, (*regularis*) equal in figure, magnitude, and proportion of parts.
- 559 *Irregular*, (*irregularis*) in the parts of the border being different in figure, magnitude and proportion of the parts.
- 560 *Unequal*, (*inæqualis*) the parts corresponding not in magnitude, but in proportion.
- 561 *Globular*, (*globosa*) like a globe.
- 562 *Bell'd*, (*companulata*) bellied (467) without a tube.
- 563 *Funnel-form*. (*infundibuliformis*) conical placed on a tube.
- 564 *Wheel'd*, (*rotata*) flat, not placed on a tube.
- 565 *Grinning*, (*ringens*) irregular, gaping with two lips.
- 566 *Helmet of a grinning corol*, (*galea rigentis*) the upper lip.

*Lip, (labium)* is often used for the lower lip of a grinning corol.

567 *Throat, (faux)* the opening between the divisions of the corol where the tube ends.

568 *Mask'd, (personata)* grinning (565) but with the palate closed between the lips.

569 *Cross'd, (cruciata)* expanding with four equal petals.

570 *Concave, (concava)* (246.) 571 *Expanding, (patens)* (131.)

572 *Papilionaceous, (papilionacea)* irregular, with the inferior petal boat-form, (*the keel*) (*carina*) the upper one ascending, (*the banner*) (*vexillum*) the lateral ones solitary, (*the wings*) (*alæ*.)

573 *Compound, (composita)* consisting of many florets with a common perianth, upon a common receptacle.

574 *Ligulate, (ligulata)* all the corollets of the florets flat towards the outward side.

575 *Tubular, (tubulosa)* all the corollets of the florets tubular nearly equal.

576 *Radiated, (radiata)* the corollets of the disk tubular, but those of the circumference misshapen ligulate.

The colour is to be noted.

577 *Nectary, (nectarium)* the honey bearing part proper to the flower.

578 *Proper, (proprium)* distinct from the petals and other parts.

579 *On the petal, (petalinum)* from its insertion on the petals.

580 STAMEN. (*stamen*) an organ for the preparation of the dust.

581 *Filament, (filamentum)* the part elevating and connecting the anther, constituting the male.

582 *Equal, (æqualia)* having the same length.

583 *Unequal, (inæqualia)* some larger some less.

584 *Conjoin'd, (connata)* many joined into one.

585 *Anther, (anthera)* a part of the flower big with dust, which when mature it scatters.

586 *Distinct, (distinctæ)* not cohering together.

587 *Conjoin'd, (connatæ)* many join'd into one.

588 *Dust*

- 588 *Dust*, (*pollen*) the dust of the flower, to be burst by moisture, throwing out elastic atoms, the origin of the plant.
- 589 **PISTIL**, (*pistillum*) an organ adhering to the fruit for the reception of the dust, constituting the female.
- 590 *Germ*, (*germen*) the rudiment of the immature fruit in the flower.
- 591 *Above*, (*superum*) included in the corol.
- 592 *Beneath*, (*inferum*) placed beneath the corol.
- 593 *Style*, (*stylus*) part of the pistil elevating the stigma from the germ.
- 594 *Stigma*, (*stigma*) the top of the pistil, moist with fluid.
- 595 **PERICARP**, (*pericarpium*) an organ of the plant big with seeds which when mature it scatters.
- 596 *Capsule*, (*capsula*) a hollow pericarp gaping in a determinate manner.
- 597 *Valvet*, (*valvula*) the coat, by which the fruit is covered externally,
- 598 *Cell*, (*locumentum*) a hollow chamber as a place for the seeds.
- 599 *Partition*, (*dissipimentum*) the wall by which the fruit is divided internally into many chambers.
- 600 *Two-capsuled*, (*bicapsularis*) from the number of the capsules.
- 601 *Two-cell'd*, (*bilocularis*) from the number of the cells.
- 602 *Three-grain'd*, (*trilocca*) a capsule protuberant with three knots, and divided within into three cells.
- 603 *Twin*, (*didyma*) a capsule gibbous with two knots.
- 604 *Siliqua*, (*siliqua*) a two-valve pericarp, the seeds being fixed along the sutures.
- 605 *Compress'd*, (*compressa*) the opposite sides approaching near together.
- 606 *Protuberant*, (*torulosa*) here and there gibbous with prominent parts.
- 607 *Jointed*, (*articulata*) intercepted with tight knots.

608 *Parallel*



- 608 *Parallel partition*, (*parallelum dissepimentum*) approaching the valvelets by its breadth and by its transverse diameter.
- 609 *Transverse partition*, (*transversum dissepimentum*) narrower where the contracted valvelets become concave.
- 610 *Legume* (*legumen*) a two-valv'd pericarp, the seeds being fixed along one side only.
- 611 *Intercepted with isthmuses*, (*isthmis interceptum*) divided transversely within into various cells.
- 612 *Folicle*, (*foliculus*) a one-valve pericarp, gaping longitudinally on one side, the seeds not being fix'd to the suture.
- 613 *Drupe*, (*drupa*) a valveless fill'd pericarp, containing a nut.
- 614 *Juicy*, (*succulenta*) containing a fluid.
- 615 *Dry*, (*sicca*) opposed to the preceding.
- 616 *Pome*, (*pomum*) a valveless filled pericarp containing a capsule.
- 617 *Berry*, (*bacca*) a valveless fill'd pericarp, containing seeds, in other respects naked.
- 618 *Nidulant*, (*nidulantia*) seeds spread through the pulp.
- 619 *Strobile*, (*strobilus*) form'd of an ament, with hardened scales.
- 620 **SEED**, (*semen*) the rudiment of the new plant.
- 621 *Hile*, (*hilum*) the external scar of a seed, where it was fixed in the fruit.
- 622 *Corcle or Heart*, (*corculum*) the rudiment of the new plant within the seed.
- Plumulet*, (*plumula*) part of the corcle scaly, ascending.
- Rostel, or Beak*, (*rostellum*) part of the corcle simple descending.
- Cotyledon*, (*cotyledon*) the lateral body of the seed bilobous falling off.
- 623 *Crown*, (*corona*) a calycle adhering on its top, by which it flies,
- 624 *Pappus*, (*pappus*) a feathery, or hairy flying crown.
- 625 *Stiped*, (*stipitatus*) by a thread elevating and connecting the tuft and seed.

- 626 *Capillary*, (*capillaris*) with unbranch'd hairs.
- 627 *Feathery*, (*plumosus*) consisting of feathery hairs.
- 628 *Tail*, (*cauda*) a seed terminated by a thread.
- 629 *Hook*, (*hamus*) by which it adheres to animals.
- 630 *Calycle*, (*calyculus*) the proper cover of the seed.
- 631 *Nut*, (*nux*) a seed covered with a bony cuticle
- 632 *Aril*, (*arillus*) the proper exterior coat of the seed falling off spontaneously.
- 633 **RECEPTACLE**, (*receptaculum*) the base by which the parts of the fructification are connected.
- 634 *Common*, (*commune*) containing many flowers and their fruit.
- 635 *Dotted*, (*punctatum*) sprinkled with hollow dots.
- 636 *Hairy*, (*pilosum*) (239.)
- 637 *Chaffy*, (*paleaceum*) dividing the florets by interposed scales.
- 638 *Flat*, (*planum*) (244.)
- 639 *Convex*, (*convexum*) (247.)
- 640 *Conical*, (*conicum*) round tapering towards the top.
- 641 *Awl'd*, (*subulatum*) (267.)
- 642 *Compound flower*, (*compositus flos*) with a broad intire receptacle and with sessile florets.
- 643 *Aggregate flower*, (*aggregatus flos*) with a broad receptacle, with florets subpetioled.
- 644 *Umbel*, (*umbella*) a receptacle elongated from one center into thread-form proportional peduncles.
- 645 *Simple*, (*simplex*) all the peduncles arising from one and the same receptacle.
- 646 *Compound*, (*composita*) all the peduncles bearing umbellets on their tops.
- 647 *Universal*, (*universalis*) composed of many simple ones.
- 648 *Partial*,

- 648 *Partial*, (*partialis*) an umbellet part of an universal one.
- 649 *Proliferous*, (*prolifera*) an umbel more than decomposed.
- 650 *Cyme*, (*cyma*) a receptacle elongated into level-top'd peduncles, from the same universal centre, but with the partial ones uncertain.
- 651 *Rachis*, (*rachis*) a thread-form receptacle connecting the florets longitudinally into a spike.
- 652 *Spadix*, (*spadix*) the receptacle of a PALM coming out of a spathe, divided into shrubby branchlets.
- 653 **BULB**, (*bulbus*) the hybernacle of the plant from the rudiments of the past leaves.
- 654 *Solid*, (*solidus*) fleshy, undivided within.
- 655 *Coated*, (*tunicatus*) a bulb with coat upon coat.
- 656 *Scaled*, (*squamatus*) with imbricated scales.
- 557 *Stem-bulb*, (*caulinus*) growing on the stem.
- petiole-bulb*, (*petiolaris*) from the rudiments of a petiole.
- stipule-bulb*, (*stipularis*) made from a stipule.
- cortical*, (*corticalis*) from the films of the bark.
- leaf-bulb*, (*foliaris*) containing leaves, not flowers.
- floral-bulb*, (*floralis*) containing flowers not leaves.
- common*, (*communis*) containing both leaves and flowers.
- 658 **BUD**, (*gemma*) the hybernacle of a plant from the rudiments of future leaves.
- 659 **VERNATION**, (*vernatio*) the disposition of the leaves in the bud, (658.)
- 660 *Conduplicate*, (*conduplicata*) the sides of the leaves applied parallel to each other.
- 661 *Convolute*, (*convoluta*) spiral like a paper-cone.
- 662 *Involute*, (*involuta*) the edges spirally turned in on the upper surface on both sides.

- 663 *Equitant*, (*equitantia*) approaching with their opposite margins, so that one includes the other.
- 664 *Obvolute*, (*obvoluta*) with respect to the upper surface with the sides approaching, so that each side shews a different leaf.
- 665 *Plaited*, (*plicatum*) bent into various folds.
- 666 *Spiral*, (*circinnale*) bent into a transverse spiral line, so that the point is in the center.

## M E A S U R E S.

- 667 *A Line*, (*linearis*) the breadth of a moonlet, at the root of the finger nail, (not the thumb.)
- 668 *Half an Inch*, (*unguicularis*) length of a nail.
- 669 *An inch*, (*pollicaris*) length of the last joint of the thumb.
- 670 *A hand*, (*palmaris*) the length of the breadth of the hand.
- 671 *Six inches*, (*spithamæus*) the space between the points of the thumb and the first finger when extended.
- 672 *A Span*, (*dadrantalis*) the space between the points of the thumb and least finger when extended.
- 673 *A Foot*, (*pedalis*) from the bend of the elbow to the base of the thumb.
- 674 *Six feet*, (*orgyalis*) the length of a man.

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## E R R A T A

### *In the Botanic Terms.*

- Number 29, 128, 429, read *upright*, (*stricta*) instead of *straight*.  
190, read *not parallel to the plane*.  
279, read *two'd*, (*binatum*) instead of *twofold*.  
283, 285, read *decompounded*, and *superdecompounded*,  
for *decomposed*, and *superdecomposed*.  
243, read, *lance-bristled*, (*strigosum*) for *lance-prickled*.  
322 read *Bractes*, (*bractæ*) for *Braçts*, (*bractæ*).  
479, read *a peduncle*, for *with peduncle*.  
483, read *one-rank'd*, (*secundus*) for *one-row'd*.  
576, read *radiated*, for *radicated*.

### *In the Preface.*

- Page viii. line 24, read *binata*, *ternata*, *quaternata*, *quinata*, *octonata*;  
because *бина*, *терна*, *кватерна*, &c. instead of the passage as it  
there stands.
- Page x. after line 10 add, 'which ambiguities are avoided in the  
translation'.

# ALPHABETICAL INDEX

O F

## L A T I N T E R M S,

With their TRANSLATIONS.

### A.

Abbruiatus, *abbreviated*  
Abrupte, *abruptly*  
Acerofus, *awny*  
Acinaciformis, *scymiter-form*  
Aculeatus, *prickly*  
Aculei, *prickles*  
Acuminatus, *pointed*  
Acutangulus, *acutangular*  
Acutus, *acute*  
Adnatus, *adjoined*  
Adpreffus, *apprefs'd*  
Adverfus, *south-turn'd*  
Æqualis, *equal*  
Aggregatus flos, *aggregate flower*  
Alæ, *wings*  
Alatus, *winged*  
Alternus, *alternate*  
Amentum, *ament*  
Amplexicaulis, *stem-clafping*  
Anceps, *two-edged*  
Angulatus, *angled*  
Annuus, *annual*

Anthera, *anther*  
Apex, *top*  
Aphyllus, *leaflefs*  
Appendiculatus, *appendaged*  
Approximatus, *approximated*  
Arboreus, *arborefcnt*  
Arillus, *aril*  
Arista, *awn*  
Arma, *arms*  
Articulatus, *jointed*  
Ascendens, *afcending*  
Affurgens, *arifing*  
Attenuatus, *tapered*  
Avenis, *veinlefs*  
Axilla, *axil*  
Axillaris, *axillary.*

### B.

Bacca, *berry*  
Barba, *beard*  
Barbatus, *bearded*  
Bicapfularis, *two-capsuled*

\* H

Biennis,

- Biennis, *biennial*  
 Bifarius, *two-faced*  
 Bifarius, *two-ways*  
 Bifidus, *two-cleft*  
 Bigeminus, *twice-double*  
 Bijugus, *twice-paired*  
 Bilocularis, *two-cell'd*  
 Binatus, *two'd*  
 Bini, *two-fold*  
 Bipartitus, *two-parted*  
 Bipinnatus, *twice-feathered*  
 Biquingue fidus, *twice-five-cleft*  
 Biternatus, *thrice-three'd*  
 Bivalvis, *two-valved*  
 Brachiatus, *cross-armed*  
 Bractea, *bract*  
 Bracteatus, *bracted*  
 Brevis, *short*  
 Brevissimus, *shortest*  
 Bulbosus, *bulbous*  
 Bulbus, *bulb*  
 Bullatus, *bubbled*
- C.
- Caducus, *falling*  
 Calycinus, *on the calyx*  
 Calyculatus, *calyceled*  
 Calyculus, *calycele*  
 Calyptra, *calyptra*  
 Calyx, *calyx*  
 Campanulatus, *bell'd*  
 Canaliculatus, *channel'd*  
 Capillaris, *capillary*  
 Capitulum, *head*  
 Capsula, *capsule*  
 Carina, *keel*  
 Carinatus, *keel'd*  
 Carnosus, *fleshy*  
 Cartilagineus, *gristly*  
 Cauda, *tail*  
 Caulinum-folium, *stem-leaf*  
 Caulinus, *belonging to the stem*  
 Caulinus scapus, *stem-scape*
- Caulis, *stem*  
 Cernuus, *bowing*  
 Ciliatus, *fringed*  
 Circinnalis, *spiral*  
 Cirrhiferus, *tendrill-bearing*  
 Cirrhosus, *tendrill'd*  
 Cirrhus, *tendrill*  
 Clavatus, *clubbed*  
 Coadnatus, *coadjointed*  
 Coloratus, *coloured*  
 Communis, *common*  
 Comosus, *tusky*  
 Compactus, *compact*  
 Compositus, *compounded*  
 Compressus, *compressed*  
 Concavus, *concave*  
 Conduplicatus, *conduplicate*  
 Confertus, *crowded*  
 Confluens, *confluent*  
 Conicus, *conical*  
 Conjugatus, *pair'd*  
 Connatus, *conjoined*  
 Convexus, *convex*  
 Convolutus, *convoluted*  
 Corculum, *corcle or heart*  
 Cordatus, *hearted*  
 Cordato-sagittatus, *heart-arrow'd*  
 Corolla, *corol*  
 Corona, *crown*  
 Corticalis, *cortical, barky*  
 Corymbus, *corymbous*  
 Cotyledon, *cotyledon*  
 Crenatus, *notched*  
 Crispus, *curled*  
 Cruciatu, *cross'd*  
 Cucullatus, *cowl'd*  
 Cuneiformis, *wedge-form'd*  
 Culmus, *culm*  
 Cum impari, *with an odd one*  
 Cuspidatus, *piked*  
 Cylindricus, *cylindric*  
 Cyma, *cyme*

## D.

Dædaleus, *dædal*  
 Deciduus, *deciduous*  
 Declinatus, *declined*  
 Decurrens, *decurrent*  
 Decursivus, *decursive*  
 Decussatus, *decussated*  
 Deflexus, *deflected*  
 Deniscens, *gaping*  
 Deltoideus, *delta-like*  
 Dentatus, *teeth-like, tooth'd*  
 Denticulatus, *fine-tooth'd*  
 Dependens, *depending*  
 Depressus, *depress'd*  
 Dextrorsum, *from the right*  
 Dichotomus, *two forked*  
 Didymus, *twin*  
 Diffusus, *spreading*  
 Digitatus, *fingered*  
 Dimidiatus, *halved*  
 Distans, *distant*  
 Distichus, *two-ranked*  
 Divaricatus, *divaricated*  
 Divergens, *diverging*  
 Divisus, *divided*  
 Dolabriformis, *axe-form*  
 Dodrantalis, *a span*  
 Dorsalis, *dorsal, on the back*  
 Drupa, *drupe.*

## E.

Elasticus, *elastic*  
 Ellipticus, *elliptical*  
 Emarginatus, *end-nick'd*  
 Enervis, *nerveless*  
 Enodis, *knotless*  
 Ensisiformis, *sword-form*  
 Equitans, *equitant*  
 Erectus, *erect*  
 Erosus, *gnaw'd*  
 Extrafoliaceus, *behind the leaf.*

## F.

Fascicularis, *fascicled*  
 Fasciculatus, *fascicled*  
 Fasciculus, *fascicle*  
 Fastigiatus, *level-topp'd*  
 Faux, *throat*  
 Fibrosus, *fibrous*  
 Filamentum, *filament*  
 Filiformis, *thread-form*  
 Fissus, *cleft*  
 Fistulosus, *pip'd*  
 Flaccidus, *flaccid*  
 Flexuosus, *winding*  
 Floralis, *floral*  
 Flos, *flower*  
 Foliacei utriculi, *leaf-bladders*  
 Foliaceus, *belonging to the leaf,*  
*leafy*  
 Foliaris cirrhus, *leaf-tendril*  
 Foliaris bulbosus, *leaf-bulb*  
 Foliaris, *on the leaf*  
 Foliatum, *leaved, leafy*  
 Folliculus, *folicle*  
 Foliolis oppositis, *with leaflets op-*  
*posite*  
 Foliolis ruptis, *with interrupted*  
*leaflets*  
 Foliosus, *leafy*  
 Folium, *leaf*  
 Frons, *frond*  
 Fructificatio, *fructification*  
 Fruticosus, *shrubby*  
 Fulcratus, *propped*  
 Fulcrum, *support*  
 Furca, *fork*  
 Fusiformis, *spindle-form.*

## G.

Galea, *helmet*  
 Gemma, *bud*  
 Geniculatus, *knotted*  
 Gibbus, *gibbous*

Glaber

Glaber, *smooth*  
 Glandula, *gland*  
 Globosus, *globular*  
 Glochides, *barbs*  
 Glomoratus, *glomorate*  
 Gluma, *glume*  
 Glutinofites, *glutinofity*  
 Granulatus, *granulated.*

## H.

Halitus, *vapour*  
 Hamosus, *hooked*  
 Hamus, *hook*  
 Hastatus, *halberted*  
 Herbaceus, *herbaceous*  
 Hilum, *hile*  
 Hispidus, *hispid*  
 Horizontalis, *horizontal.*

## I.

Imbricatus, *imbricated*  
 Impar, *odd*  
 Inæqualis, *unequal*  
 Inanis, *empty*  
 Incrassatus, *thickened*  
 Incurvatus, *incurvate*  
 Incurvus, *incurved*  
 Inferus, *beneath*  
 Inflatus, *inflated*  
 Inflexus, *inflected*  
 Inflorescentia, *inflorescence*  
 Infundibuliformis, *funnel-form*  
 Insertus, *inserted*  
 Integer, *intire*  
 Integerrimus, *most intire*  
 Interruptus, *interrupted*  
 Intrafoliaceus, *before the leaf*  
 Involucratus, *involucrated*  
 Involucrum, *involucre*  
 Involutus, *involute*  
 Irregularis, *irregular*  
 Isthmis interceptus, *intercepted*  
*with isthmuses.*

## L.

Labium, *lip*  
 Lacer, *torn*  
 Laciniatus, *jagged*  
 Lacinixæ, *divisions*  
 Lacunofus, *pitted*  
 Lævis, *polished*  
 Lamina, *fold*  
 Lana, *wool*  
 Lanatus, *woolly*  
 Lanceolatus, *lanced*  
 Lateralis, *lateral*  
 Lateri-florus, *side-flowered*  
 Laxus, *flexible, or loose*  
 Legumen, *legume*  
 Ligulatus, *ligulate*  
 Limbus, *border*  
 Linearis, *a line (measure)*  
 Linearis, *linear*  
 Lineatus, *lined*  
 Lingulatus, *tongued*  
 Linguiformis, *tongue-form*  
 Lobatus, *lobed*  
 Loculamentum, *cell*  
 Longissimus, *most long*  
 Longus, *long*  
 Lucidus, *bright*  
 Lunatus, *moon'd*  
 Lyratus, *lyred.*

## M.

Mediocris, *middle-size*  
 Membranaceus, *membranous*  
 Membranatus, *membranous*  
 Monopetalus, *one-petal'd*  
 Monophyllus, *one leaf*  
 Mucronatus, *daggered*  
 Multifidus, *many-cleft*  
 Multiflorus, *many-flowered*  
 Multivalvis, *many-valved*  
 Muricatus, *murex'd*  
 Muticus, *awnless.*

## N.



## N.

Natans, *swimming*  
 Nectarium, *nectary*  
 Nervosus, *nervy*  
 Nidulans, *nidulant*  
 Nitidus, *glossy*  
 Nucleus, *nucleus*  
 Nudus, *naked*  
 Nutans, *nodding*  
 Nux, *nut*.

## O.

Obliquus, *oblique*  
 Oblongus, *oblong*  
 Obtusus, *obtuse*  
 Operculum, *lid*  
 Oppositifolius, *leaf-opposed*  
 Oppositus, *opposite*  
 Orbiculatus, *orbicular*  
 Orgyalis, *six-feet*  
 Ovalis, *oval*  
 Ovatus, *egg'd*.

## P.

Paleaceus, *chaffy*  
 Palmaris, *a hand (measure)*  
 Palmatus, *handed*  
 Panduriformis, *violin-form*  
 Paniculatus, *panicked*  
 Panicula, *panicle*  
 Papilionaceus, *papilionaceous*  
 Papillofus, *papillous*  
 Pappus, *pappus*  
 Papulosus, *pimpley*  
 Parabolicus, *parabolic*  
 Parallelus, *parallel*  
 Partialis, *partial*  
 Partitus, *parted*  
 Patens, *expanding*  
 Pedalis, *a foot (measure)*  
 Pedatus, *footed*

Pedicellus, *pedicel*  
 Pedunculares utriculi, *peduncle-bladders*  
 Peduncularis cirrhus, *peduncle-tendril*  
 Pedunculatus, *peduncled*  
 Pedunculus, *peduncle*  
 Peltatus, *targetted*  
 Pendulus, *pendulous*  
 Perennis, *perennial*  
 Perfoliatus, *leaf-pierced*  
 Perianthium, *perianth*  
 Pericarpium, *pericarp*  
 Persistens, *permanent*  
 Personatus, *masked*  
 Petalinus, *on the petal*  
 Petalum, *petal*  
 Petiolaris bulbosus, *petiole-bulb*  
 Petiolaris utriculi, *petiole-bladders*  
 Petiolaris, *on the petiole*  
 Petiolaris cirrhus, *petiole-tendril*  
 Petiolatus, *petioled*  
 Petiolus, *petiole*  
 Pileus, *hat*  
 Pili, *hairs*  
 Pilosus, *hairy*  
 Pinnatifidus, *feather-cleft*  
 Pistillum, *pistil*  
 Planus, *flat*  
 Plicatus, *plaited*  
 Plumosus, *feathery or plummy*  
 Plumula, *plumelet*  
 Pollen, *dust*  
 Pollicaris, *an inch*  
 Polypetalus, *many-petal'd*  
 Polyphyllus, *many-leaved*  
 Pomum, *pome*  
 Præmorsus, *end-bitten*  
 Procumbens, *procumbent*  
 Prolifer, *proliferous*  
 Proprius, *proper*  
 Pubes, *pubescence*  
 Pulpofus, *pulpy*  
 Punctatus, *dotted*.

Q.

- Quadrijugus, *four-times pair'd*  
 Quaternus, *four-fold*  
 Quaternatus, *four'd*  
 Quini, *five-fold*  
 Quinatus, *five'd*  
 Quinquangularis, *quinquangular,*  
*five-angled*  
 Quinquefidus, *five-cleft*  
 Quinquepartitus, *five-parted*  
 R.  
 Racemus, *raceme*  
 Rachis, *rachis*  
 Radicatus, *radicated, rosted*  
 Radicale folium, *root-leaf*  
 Radicalis, *radical*  
 Radix, *root*  
 Radicans, *rooting*  
 Rameum folium, *branch-leaf*  
 Ramosissimus, *most branchy*  
 Ramosus, *branchy*  
 Ramus, *branch*  
 Receptaculum, *receptacle*  
 Reclinatus, *reclined*  
 Rectus, *straight*  
 Recurvatus, *recurvate*  
 Recurvus, *recurved*  
 Reflexus, *reflected*  
 Regularis, *regular*  
 Remotissimus, *most remote*  
 Remotus, *remote*  
 Reniformis, *kidney-form*  
 Repandus, *scollop'd*  
 Repens, *creeping*  
 Resupinatus, *resupine*  
 Retroflexus, *retroflexed*  
 Retrofractus, *retrofracted*  
 Retusus, *retuse*  
 Revolutus, *revolute*  
 Rhombeus, *rhombic*  
 Rigidus, *rigid*  
 Rimosus, *chinky*  
 Ringens, *grinning*  
 Rostellum, *rostell or beak*  
 Rotatus, *wheel'd*  
 Rotundatus, *rounded*  
 Rugosus, *wrinkled*  
 Ruptus, *interrupted*  
 S.  
 Sagittatus, *arrowed*  
 Sarmentosus, *sarmentous*  
 Sarmentum, *sarment*  
 Scaber, *rugged*  
 Scandens, *climbing*  
 Scapus, *scape*  
 Scariosus, *parched*  
 Secundus, *one-ranked*  
 Semen, *seed*  
 Seminalis, *seminal*  
 Semiteres, *semi-columnar*  
 Sempervirens, *evergreen*  
 Sericeus, *silky*  
 Serratus, *saw'd*  
 Sessilis, *sessile*  
 Setæ, *bristles*  
 Siccus, *dry*  
 Silicula, *silicle*  
 Siliqua, *silique*  
 Simplex, *simple*  
 Simplicissimus, *most simple*  
 Sinistrorsum, *from the left*  
 Sinuatus, *sinuous*  
 Solidus, *solid*  
 Solitarius, *solitary*  
 Spadix, *spadix*  
 Sparfus, *scattered*  
 Spatha, *spathe*  
 Spatulatus, *spatuled*  
 Spica, *spike*  
 Spimathœus, *six inches*  
 Spina, *thorn*  
 Spinescens, *spinescent, or thorn-*  
*growing*  
 Spinosus,

Spinosus, *thorny*  
 Squamatus, *scaled*  
 Squamofus, *scaly*  
 Squarrosus, *ragged*  
 Stamen, *flamen*  
 Stellatus, *starred*  
 Stigma, *stigma*  
 Stimuli, *stings*  
 Stipes, *stipe*  
 Stipitatus, *stiped*  
 Stipula, *stipule*  
 Stipulares utriculi, *stipule-bladders*  
 Stipularis bulbus, *stipule-bulb*  
 Stipulatus, *stipuled*  
 Stoloniferus, *stole-bearing*  
 Striatus, *striated*  
 Strictus, *upright*  
 Strigæ, *lance-bristles*  
 Strigosus, *lance-bristled*  
 Strobilus, *strobile*  
 Stylus, *style*  
 Subdentatus, *somewhat-tooth'd*  
 Suberosus, *corky*  
 Subintegerrimus, *very intire*  
 Submersus, *immersed*  
 Subramosus, *somewhat branchy*  
 Subrotundus, *roundish*  
 Subulatus, *awled*  
 Succulentus, *juicy*  
 Suffruticosus, *somewhat shrubby*  
 Sulcatus, *furrowed*  
 Superus, *above.*

## T.

Teres, *columnar*  
 Terminalis, *terminal*  
 Terni, *three-fold*  
 Ternatus, *three'd*  
 Tetragonus, *four-corner'd*  
 Thyrsus, *thyrs*  
 Tomentosus, *downy*  
 Tomentum, *down*

Tortilis, *twisted*  
 Torulosus, *protuberant*  
 Transversus, *transverse*  
 Trapeziformis, *trapeze-form*  
 Triangularis, *triangular*  
 Tricoccus, *three-grain'd*  
 Trifidus, *three-cleft*  
 Trigeminus, *thrice-double*  
 Trigonus, *three-cornered*  
 Trilobus, *three-lobed*  
 Trinervatus, *three-neoved*  
 Trinervis, *three-nerve*  
 Tripinnatus, *thrice-feathered*  
 Tripliner vis, *triple-nerve*  
 Triquetèr, *three-sided*  
 Triternatus, *three-times-thrice-three'd*  
 Truncatus, *lopped*  
 Truncus, *trunk*  
 Tuberosus, *tuberous*  
 Tubulosus, *tubular*  
 Tubus, *tube*  
 Tunicatus, *coated*  
 Turbinatus, *top-shape.*

## U.

Umbella, *umbel*  
 Umbellula, *umbellet*  
 Undatus, *waved*  
 Unguicularis, *half an inch*  
 Unguis, *claw*  
 Uniflorus, *one-flower'd*  
 Unilateris, *one-sided*  
 Univalvis, *one-valved*  
 Universalis, *universal*  
 Utriculus, *bladder*  
 Urens, *stinging.*

## V.

Vaginans, *sheathing*  
 Vaginatus, *sheathed*  
 Valvula, *valvelet*

Venofus,

Venofus, *veined*  
 Ventricosus, *bellied*  
 Vernatio, *vernation*  
 Verticalis, *vertical*  
 Verticillatus, *verticilled*  
 Verticillus, *verticil*  
 Vexillum, *banner*

Villosus, *villous*  
 Virgatus, *twiggy*  
 Viscidus, *viscid*  
 Viscositas, *viscosity*  
 Volubilis, *twining*  
 Volva, *volve*

---

N. B. *The Binder is apprized to place this Index after the Index of English Terms at the beginning of the first volume.*

1881

1881

Faint, illegible text, possibly bleed-through from the reverse side of the page. The text is arranged in several columns and is mostly illegible due to fading and blurring.

# P L A T E I.

## S I M P L E L E A V E S.

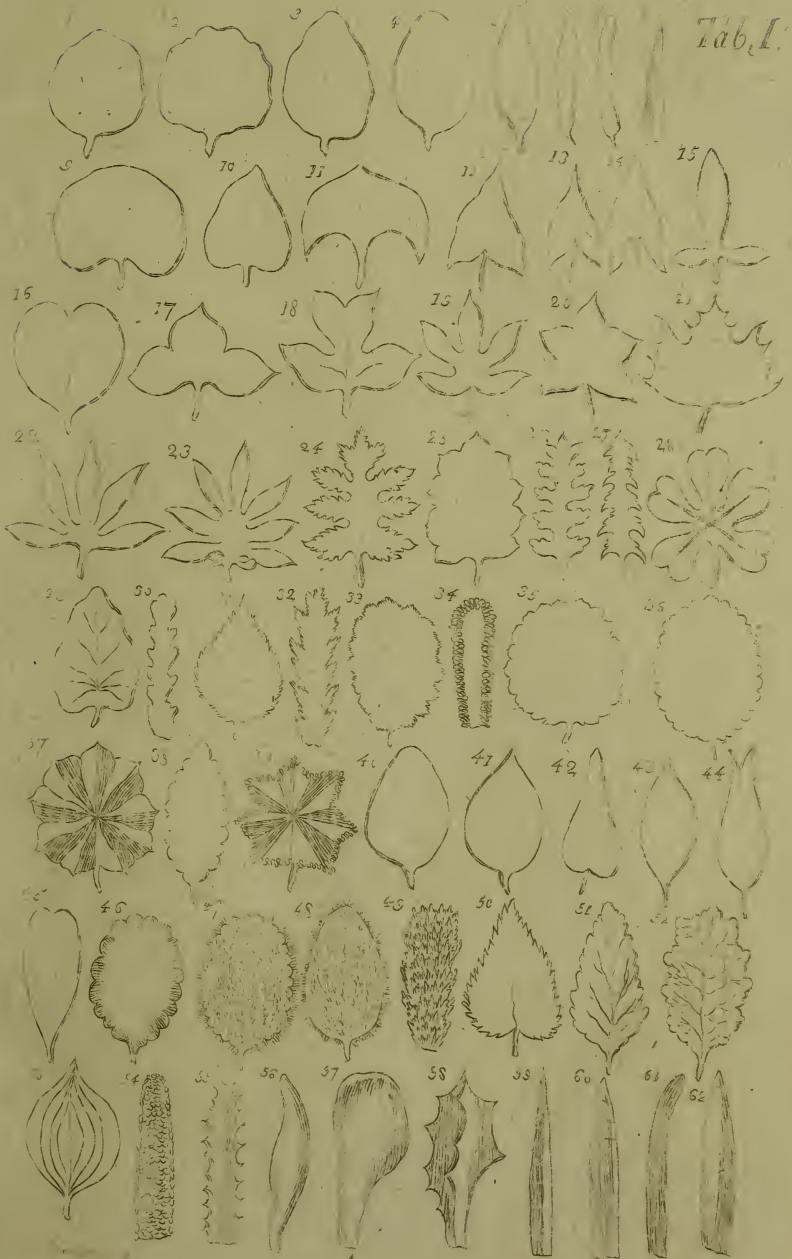
Fig.

1. **O**Rbicular, (*orbiculatum*)
2. Roundish, (*subrotundum*)
3. Egg'd, (*ovatum*)
4. Oval or Elliptic, (*ovale s. ellipticum*)
5. Oblong, (*oblongum*)
6. Lanced, (*lanceolatum*)
7. Linear, (*lineare*)
8. Awl'd, (*subulatum*)
9. Kidney-form, (*reniforme*)
10. Hearted, (*cordatum*)
11. Moon'd, (*lunulatum*)
12. Triangular, (*triangulare*)
13. Arrow'd, (*sagittatum*)
14. Heart - arrow'd, (*cordato-sagittatum*)
15. Halberted, (*hastatum*)
16. Cleft, (*fissum*)
17. Three-lobed, (*trilobum*)
18. End-bitten, (*præmorsum*)
19. Lobed, (*lobatum*)
20. Five-angled, (*quinquangulare*)
21. Gnaw'd, (*erosum*)
22. Handed, (*palmatum*)
23. Feather-cleft, (*pinnatifidum*)
24. Jagged, (*laciniatum*)
25. Sinuous, (*sinuatum*)
26. Tooth - sinuous, (*dentato-sinuatum*)
27. Sinuous backwards. (*retrosum sinuatum*)
28. Parted, (*partitum*)
29. Scollop'd, (*repandum*)
30. Tooth'd, (*dentatum*)
31. Saw'd, (*ferratum*)
32. Double-saw'd, (*duplicato-ferratum*)

Fig.

33. Double - notch'd, (*duplicato-crenatum*)
34. Cartilaginous, (*catilagineum*)
35. Acutely notch'd, (*acute crenatum*)
36. Obtusely notch'd, (*obtuse crenatum*)
37. Plaited, (*plicatum*)
38. Notch'd, (*crenatum*)
39. Curl'd, (*crispum*)
40. Obtuse, (*obtusum*)
41. Acute, (*acutum*)
42. Pointed, (*acuminatum*)
43. Obtuse with a point, (*obtusum acumine*)
44. End-nick'd acutely, (*emarginatum acute*)
45. Wedge-form end-nick'd, (*cu-neiforme emarginatum*)
46. Retuse, (*retusum*)
47. Hairy, (*pilosum*)
48. Downy, (*tomentosum*)
49. Hispid, (*hispidum*)
50. Fringed, (*ciliatum*)
51. Wrinkled, (*rugosum*)
52. Vein'd, (*venosum*)
53. Nerved, (*nervosum*)
54. Papillous, (*papillosum*)
55. Tongue-form, (*linguiforme*)
56. Scimitar-form, (*acinaciforme*)
57. Axe-form, (*dolabriforme*)
58. Delta-like, (*deltoides*)
59. Three-sided, (*triquetrum*)
60. Channel'd, (*canaliculatum*)
61. Furrow'd, (*fulcatum*)
62. Columnar, (*teres*)

Tab. I.









# P L A T E II.

## COMPOUND LEAVES.

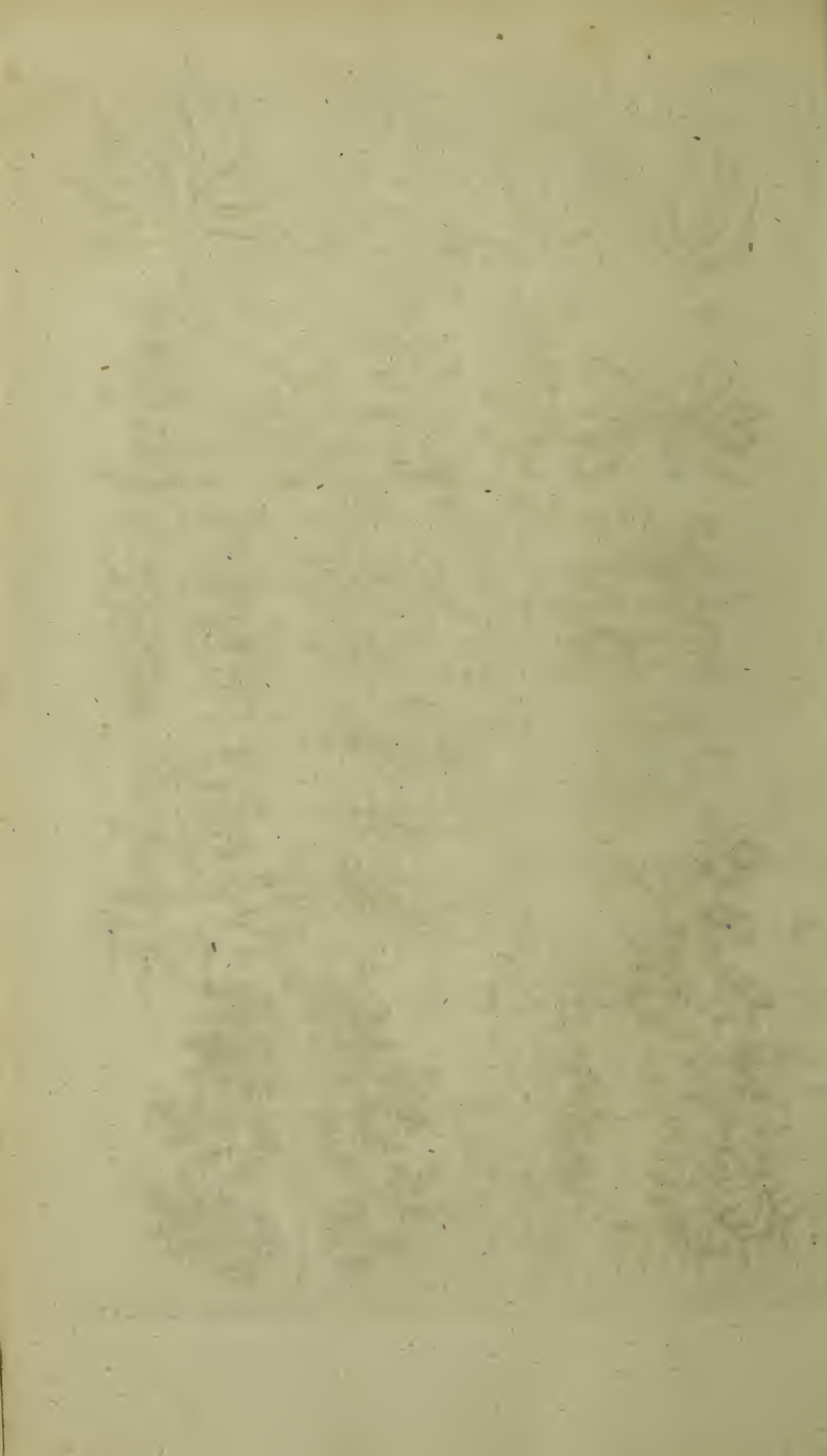
Fig.

63. **T**WO'D, (*binatum*)
64. Three'd with sessile leaflets, (*ternatum foliis sessilibus*)
65. ————-with petioled leaflets, (—————-*petiolatis*)
66. Finger'd, (*digitatum*)
67. Footed, (*pedatum*)
68. Feather'd, with an odd one, (*pinnatum cum impari*)
69. ————-abrupt, (—————-*abruptum*)
70. ————-alternately, (—————-*alternatim*)
71. ————-interruptedly, (—————-*interrupte*)
72. ————-tendrill'd, (—————-*cirriformum*)
73. ————-pair'd, (—————-*conjugatum*)
74. ————-decursevely, (—————-*decurse*)
75. ————-jointedly, (—————-*articulate*)
76. Lyred, (*lyratum*)
77. Thrice threefold or the square of three, (*biternatum, duplicato-pinnatum*)
78. Twice-feather'd, double feather'd, (*bipinnatum, duplicato-pinnatum*)
79. Three times thrice threefold (the cube of three) (*Triternatum, triplicato-ternatum*)
80. Thrice feather'd without an odd one, (*tripinnatum, sine impari*)
81. ————-with an odd one (—————-*cum impari*)

Tab. II. 65



Sculp.





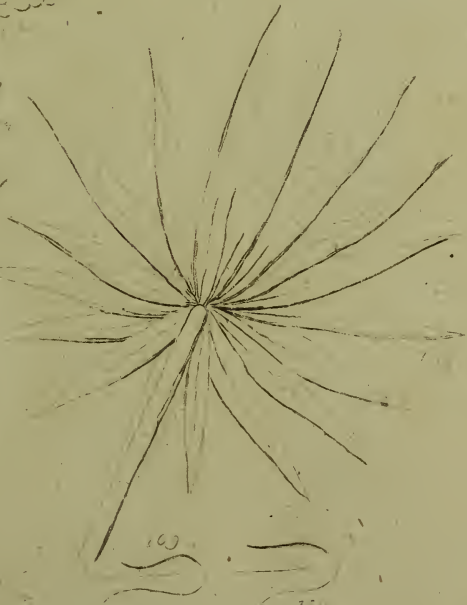
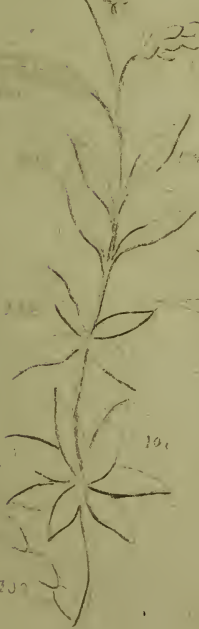
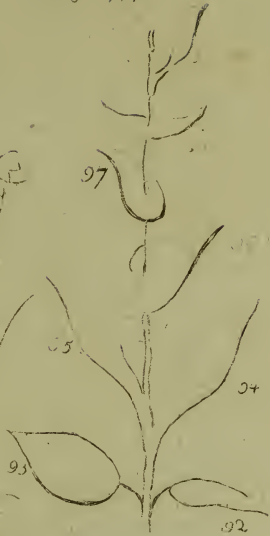
# P L A T E III.

## DETERMINATE LEAVES.

Fig.

82. INFLECTED, (*inflexum*)
83. Erect, (*erectum*)
84. Expanding, (*patens*)
85. Horizontal, (*horizontale*)
86. Reclined, (*reclinatum*)
87. Revolute, (*revolutum*)
88. Seminal, (*feminale*)
89. Stem-leaf, (*caulinum*)
90. Branch-leaf, (*rameum*)
91. Floral, (*florale*)
92. Targetted, (*peltatum*)
93. Petioled, (*petiolatum*)
94. Sessile, (*sessile*)
95. Decurrent, (*decurrentis*)
96. Sem-clasping, (*amplexicaule*)
97. Leaf-pierced, (*perfoliatum*)
98. Conjoin'd, (*connatum*)
99. Sheathing, (*vaginans*)
100. Jointed, (*articulatum*)
101. Star'd, (*stellata*)
102. Fourfold, (*quaterna*)
103. Opposite, (*opposita*)
104. Alternate, (*alterna*)
105. Awny, (*acerosa*)
106. Imbricated, (*imbricata*)
107. Fascicled, (*fasciculata*)
108. Frond, (*frons*)
109. Spatuled, (*spatulatum*)
110. Parabolic, (*parabolicum*)

100 III

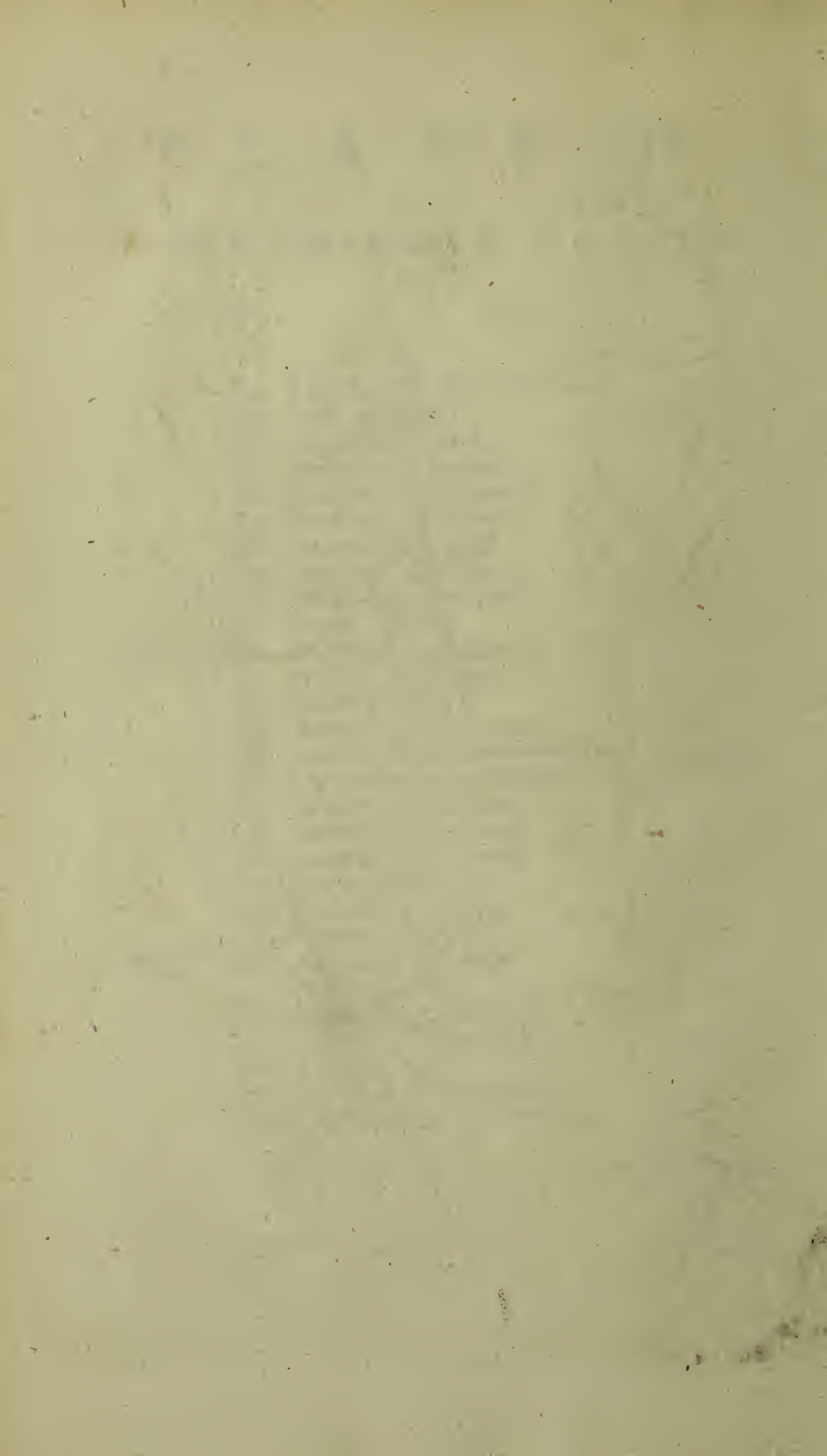


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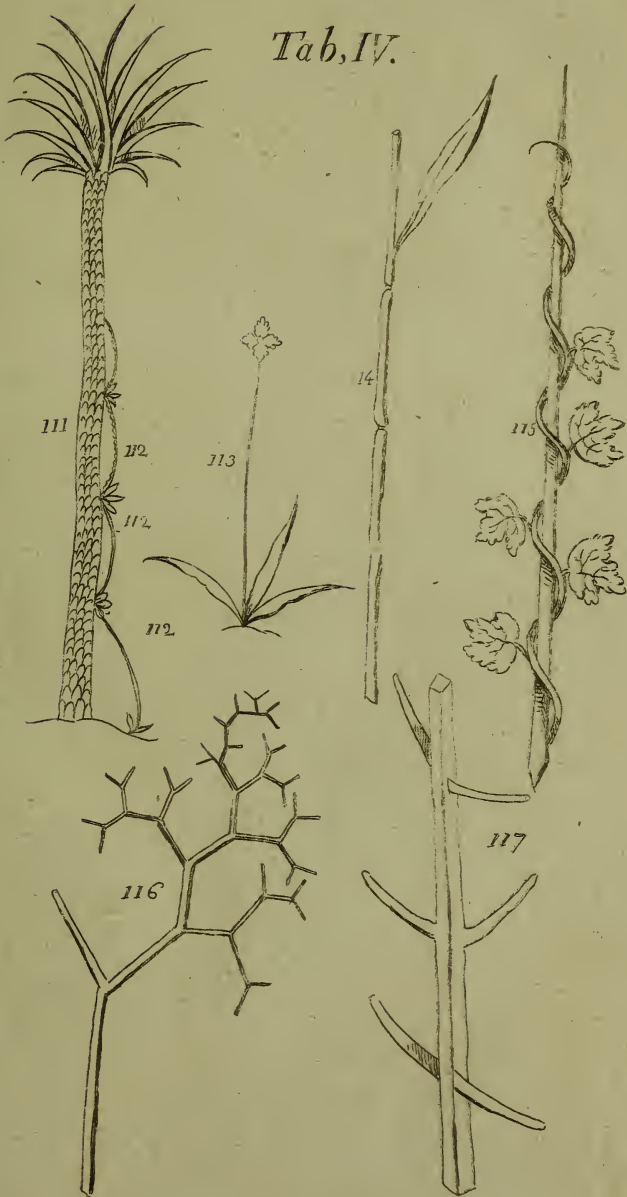
# P L A T E   I V .

## S T E M S .

Fig.

- 111. SCALY *culm*, (*squamosus culmus*)
- 112. Creeping *Stem*, (*repens caulis*)
- 113. Scape, (*scapus*)
- 114. Jointed *culm*, (*articulatus culmus*)
- 115. Twining *stem*, (*volubilis caulis*)
- 116. Two-fork'd *stem*, (*dichotomus caulis*)
- 117. Cross-arm'd *stem*, (*brachiatus caulis*)

Tab. IV.





V E L A T E V

E N T R O B E

THE

REVISED

EDITION

OF

THE

ARTS

AND

MANUFACTURES

OF

THE

UNITED STATES

AMERICA

# P L A T E V.

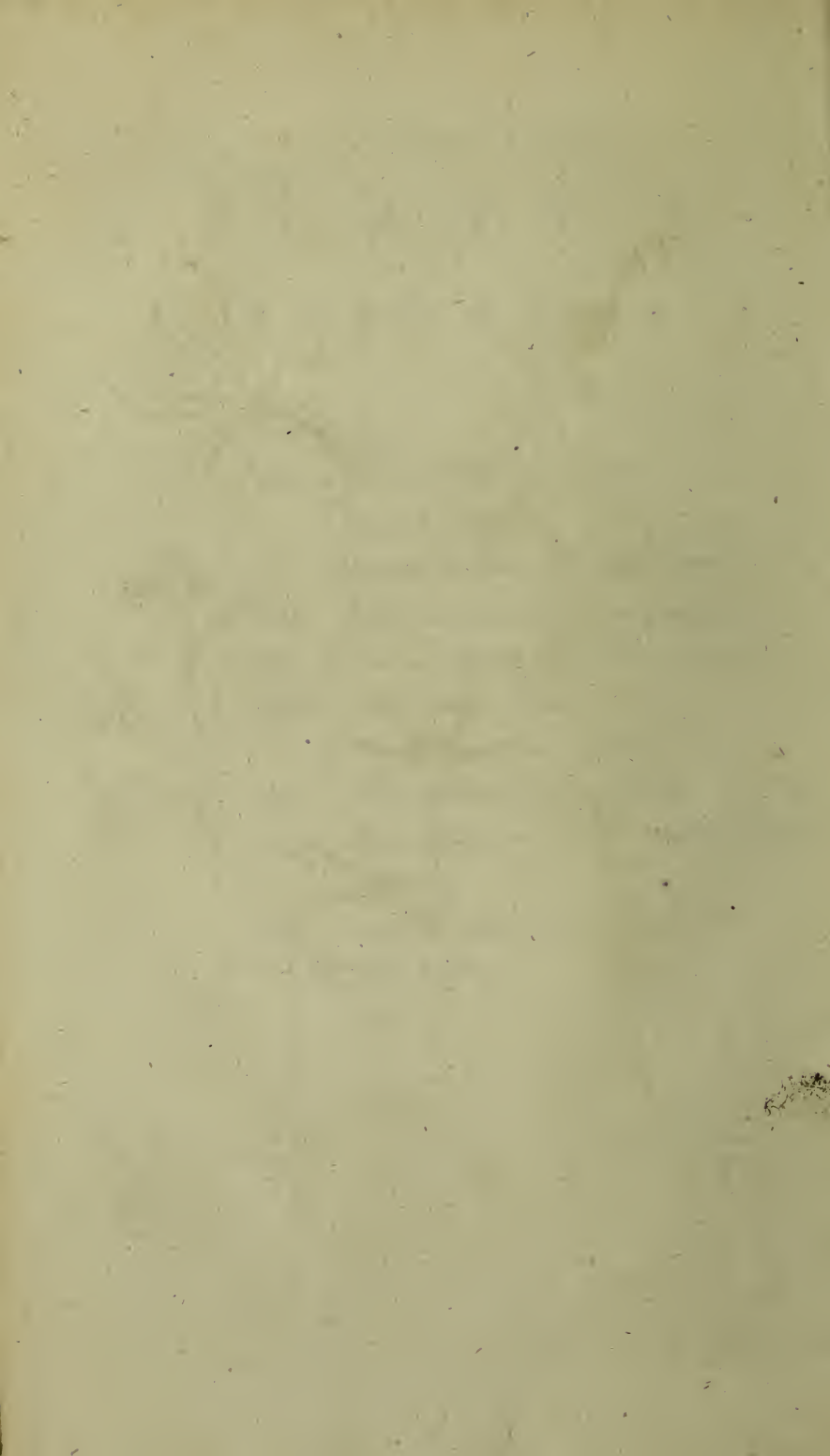
## S U P P O R T S.

Fig.

118. a. **T**ENDRIL, (*Cirrhus*)  
b. Stipules, (*stipulæ*)  
c. Concave Glands, (*Glandulæ concavæ*)
119. Pedicel'd glands, (*Glandulæ pedicellatæ*)
120. a. Bracte, differing from leaves, b. (*Braëtea*)
121. a. Simple thorn, (*Spina simplex*)  
b. Triple thorn, (— *triplex*)
122. Simple prickle, (*Aculeus simplex*)
123. Triple prickle or Fork, (*Aculeus triplex s. Furca.*)
124. Opposite leaves, (*opposita folia*)  
a. Axil, (*axilla*)

Tab. V.









# P L A T E VI.

## R O O T S.

Fig.

125. SCALY bulb of the lily (*bulbus squamosus*)
126. Solid bulb, (*bulbus solidus*)
127. Coated bulb transversely dissected, (*bulbus tunicatus*)
128. Tuberos root of *Filipendula*, (*tuberosa radix*)
129. Spindle-form root of Carrot, (*Fusifformis radix*)
130. Branchy root, (*ramosa radix*)
131. Creeping root,, (*repens radix*)

Tab. VI.

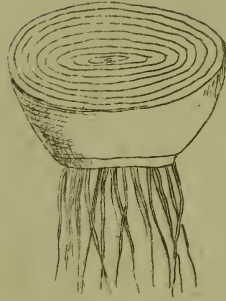
125



126



127



128

129



130



131



P L A T E V I I

PARTS OF THE FLOWER

1	Diagram of the flower	1
2	Diagram of the flower	2
3	Diagram of the flower	3
4	Diagram of the flower	4
5	Diagram of the flower	5
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97	Diagram of the flower	97
98	Diagram of the flower	98
99	Diagram of the flower	99
100	Diagram of the flower	100

# P L A T E VII.

## PARTS OF THE FLOWER.

- Fig.
132. **S** P A T H E, the Calyx of *Narcissus*, (*Spatha*, calyx *Narcissi*)
133. Spathe, Spadix (*Spatha*, *Spadix*)
134. *a.* Glumæ calyx. *b.* Awn, (*Gluma calyx. b.* Arista)
135. *a.* Universal umbel. *b.* Partial one, (*umbella universalis. b.* *Partialis.*)
- c.* Universal Involucre. *d.* Partial one. (*Involucrum universale. d.* *partiale.*)
136. *c.* Calyptra; *b.* Lid. *a.* Head. (*Calyptra; b.* *O-perculum. a.* *Capitulum.*)
137. Ament, (amentum.)
138. Strobile, (strobilus)
139. *a.* Hat. *b.* Volve. *c.* Stipe of a Fungus, (*Fungi a.* *Pileus. b.* *Volva. c.* *Stipes.*)
140. *a.* Common naked Receptacle (*receptaculum commune nudum*).
141. Common Receptacle *imbricated* with chaff (*receptaculum commune paleis imbricatum.*)
142. *a.* Tube (Tubus) *b.* Border, (Limbus) of a one-petal'd Corol (*Corollæ monopetalæ*)
143. Flower. *a.* Germ. *b.* Style. *c.* Stigma. *d.* Filaments. *e.* Anthers. *f.* Petals. (*Flos. a.* *Germen. b.* *Stylus. c.* *Stigma. d.* *Filamenta. e.* *Antheræ. f.* *Petala.*)
144. *a.* Claws (ungues). *c.* Folds (Laminæ) of a many-petal'd corol. (*Corollæ polypetalæ.*)
145. Bell'd Nectary in *Narcissus*. (*Nectarium campanulatum.*)
146. Horn'd Nectaries in *Aconitum*. (*Nectaria cornuta.*)
147. Horn'd Nectary in the Calyx of *Tropæolum*.
148. Nectaries in *Parnassia*.

Tab. VII.



Blume, S.





THE UNIVERSITY OF CHICAGO

PHYSICS DEPARTMENT

PHYSICS 309

LECTURE 1

MECHANICS

LECTURE 1

MECHANICS

LECTURE 1

MECHANICS

LECTURE 1

MECHANICS

LECTURE 1

MECHANICS

LECTURE 1

MECHANICS

# P L A T E VIII.

## PARTS OF THE FRUCTIFICATION.

Fig.

149. *a.* **P**ERIANTH. *b.* Germ. *c.* Style. *d.* Stigma. *e.* Filaments. *f.* Anthers gaping. *g.* Anthers intire. (*a.* Perianthium. *b.* Germen. *c.* Stylus. *d.* Stigma. *e.* Filamenta. *f.* Antheræ dehiscentes. *g.* Antheræ integræ.)
150. *a.* Filament. *b.* Anther. (*a.* Filamentum. *b.* Anthera.)
151. *a.* Dust (Pollen) seen in the microscope. *b.* Elastic vapour. (*Halitus elasticus.*)
152. *a.* Germ. *b.* Style. *c.* Stigma. (*a.* Germen. *b.* Stylus. *c.* Stigma.)
153. Follicle (Folliculus) *a* receptacle of seeds.
154. Legume *a. a.* (Legumen) the seeds are annex'd to the superior future.
155. Silique, (Siliqua) *a. b.* each edge of the receptacle.  
*c.* Valvelet of the Silique (*valvula siliquæ.*)
156. Pome *a.* (Pomum) included Capsule. *b.* (*Capsula inclusa.*)
157. *a.* Drupe. *b.* with a Nucleus. (*a.* Drupa. *b.* Nucleo.)
158. Berry, (Bacca.)
159. Capsule gaping at top. (*Capsula apice dehiscens.*)
160. Of the Capsule, *a.* The Valvelet. *b.* The partition (*Capsulæ. a. Valvula. b. Dissepimentum.*)  
*c.* Column. *d.* Receptacle. (*c. Columella. d. Receptaculum.*)
161. *a.* Capsule longitudinally dissected, that the receptacle of the Seeds may appear.
162. *a.* Hairy Pappus. (*Pappus pilosus.*)  
*b.* Feathry Pappus. (*Pappus plumosus.*)  
*e.* Seed, (femen.)  
*a.* Stipe of the Pappus, (*Stipes pappi.*)

Tab VIII





THE STATE OF

NEW YORK

IN SENATE

JANUARY 18, 1880

REPORT

OF THE

COMMISSIONERS OF THE LAND OFFICE

FOR THE YEAR 1879

# P L A T E IX.

## T H E P E D U N C L E.

Fig.

163. CORYMBE, (*corymbus*)

164. Raceme, (*racemus*)

165. Spike, (*spica*)

166. Verticil, (*verticillus*)

167. Panicle, (*panicula*)

168. Fascicle (*fasciculus*)

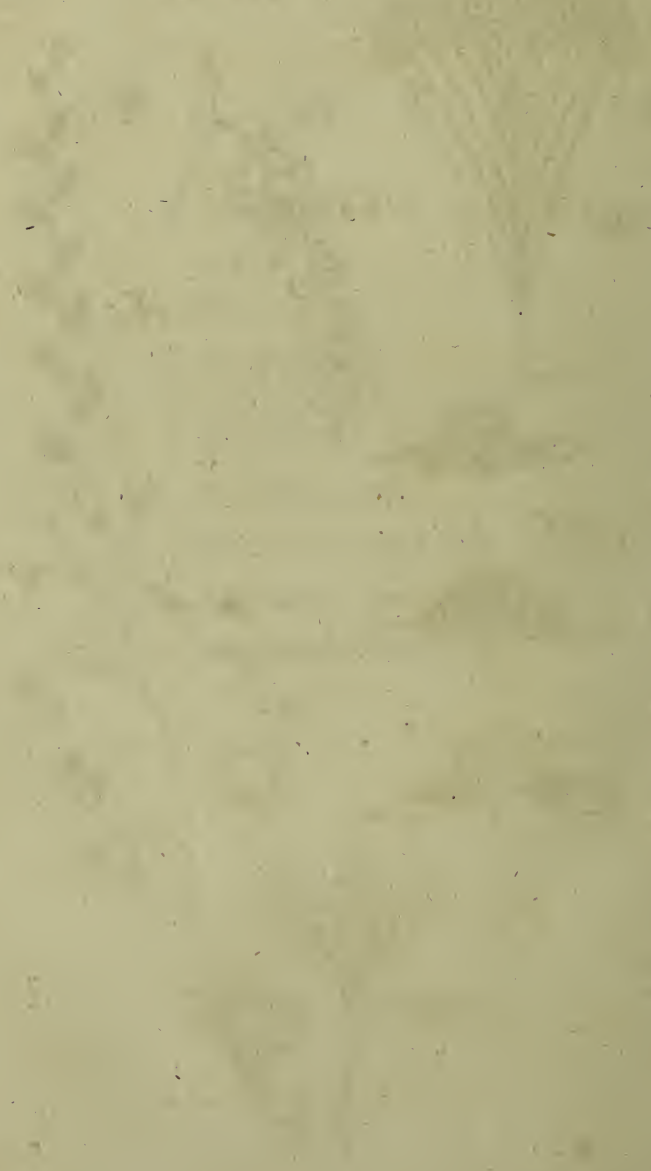
Tab IX



167



10. 100







# P L A T E X.

## F O L I A T I O

Leaves transversely dissected

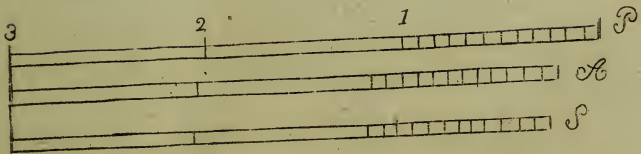
Fig.

1. CONVOLUTE, (convolutum.)
2. Involute, (involutum)
3. Revolute, (revolutum)
4. Conduplicate, (conduplicatum.)
5. Equitant, (equitans)
6. Imbricated, (imbricatum)
7. Obvolute, (obvolutum)
8. Plaited, (plicatum)
9. Convolute, (convoluta)
10. Involute *opposite*, (involuta *opposita*)
11. ——— *alternate*, (——— *alterna*)
12. Revolute *opposite*, (revoluta *opposita*)
13. Equitant two-edg'd, (equitantia ancipita)
14. - - - - - three-sided, (- - - - - triquetra.)

## M E A S U R E.

- P. Quarter of a Paris foot.  
A. Quarter of an English foot.  
S. Quarter of a Swedish foot.

Tab X







# P L A T E X I.

## T H E C L A S S E S.

Fig.

1. ONE MALE, (*monandria*)
2. TWO MALES, (*diandria*)
3. THREE MALES, (*triandria*)
4. FOUR MALES, (*tetrandria*)
5. FIVE MALES, (*pentandria*)
6. SIX MALES, (*hexandria*)
7. SEVEN MALES, (*heptandria*)
8. EIGHT MALES, (*octandria*)
9. NINE MALES, (*enneandria*)
10. TEN MALES, (*decandria*)
11. TWELVE MALES, (*dodecandria*)
12. TWENTY MALES, (*icosandria*)
13. MANY MALES, (*polyandria*)
14. TWO POWERS, (*didynamia*)
15. FOUR POWERS, (*tetradynamia*)
16. ONE BROTHERHOOD, (*monadelphia*)
17. TWO BROTHERHOODS, (*diadelphia*)
18. MANY BROTHERHOODS, (*polyadelphia*)
19. CONFEDERATE MALES, (*syngenesia*)
20. FEMININE MALES, (*gynandria*)
21. ONE HOUSE, (*monoeceia*)
22. TWO HOUSES, (*disecia*)
23. POLYGAMIES, (*polygamia*)
24. CLANDESTINE MARRIAGES, (*cryptogamia*)

Tab. XI.



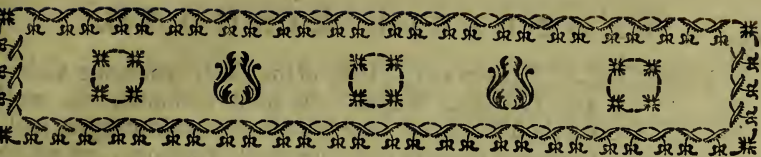




VEGETABLE  
KINGDOM.

VEGETABLE

KINGDOM.



# VEGETABLE KINGDOM.

---

**C**REATED NATURE, by successive Seeds, with the assistance of the elements, modifies Earths into *Vegetables*, Vegetables into *Animals*, perhaps not contrarywise: she resolves each of them again into *Earths*, in a perennial increasing circle.

VEGETABLES have life, without voluntary motion.

They are commonly divided into three TRIBES.

Those whose seeds have ONE COTYLEDON: Corn: 1, 2, 3.

Those with TWO COTYLEDONS: Plants: 4, 5.

Those with NO COTYLEDON: the class of Clandestine Marriage: 6, 7, 8, 9.

The NATIONS, which have supplied this conflux of inhabitants, are principally

1. PALMS. PRINCES, Vegetables of India, having a Spathe and a Spadix, eminent for their prodigious height, beautiful for their unvaried simple perennial stem, crowned with an evergreen tuft of leaves, and rich with the choicest treasures of fruit. *These are tributary to the Primates, or first order of animals; in particular to the Prince their cohabitant.*

2. GRASSES. PLEBEIANS, Plants of the field, producing Culms and Glumes, Rusties the most common, the most simple, and the most tenacious of life; constituting the multitude and strength of the vegetable kingdom; and which the more they are taxed and trod upon, the more they multiply. *These are Tributary from their vile boards to almost all herbivorous animals, and by their Harvest in particular to the Prince their cohabitant.*
3. LILIES. PATRICIANS, luxurious inhabitants of groves, Bulbous rooted Plants, displaying their shining festive garments. *They amuse the eye, and adorn the vegetable kingdom with the splendour of courts.*
4. HERBS. NOBLES, Meadow Plants, Annual, of many Forms. *They enrich the kingdom of vegetation by their admirable Structure, variety of Tastes, their fragrant Odours, and gorgeous Colours.*
5. TREES. HIGHNESSES, of the Order of Nobility, Inhabitants of the woods, perennial as to their stock, surrounded with Servants at their feet, and supporting destructive Parasites. *They erect their heads, resist the Winds, overshadow the sultry, moisten the dry with invisible showers, allure the Birds, and perfect their Fruit like so many Orchards of Nature.*
- SOLDIERS, Plants armed with Thorns or Prickles from both of the last kinds. *They repel the attacks of the Mammalia or first class of animals.*
6. FERNS. NEW-COLONISTS, Plants of obscurity, supported on Stipes, with Seeds on their backs, poor. *These prepare the Earth for their successors.*
7. MOSSES. SERVANTS, Plants of the winter, Imbricated, Calyptred, Revivescent, hungry, occupying in immense numbers all the places relinquished by the former. *These protect the Roots of other plants; lest they should be injured by the Winter Frosts, by the Summer Heats, the Vicissitudes of Spring, or the Putridity of Autumn: and collect for the benefit of others, the daedal Soil.*
8. FLAGS. (*algæ*) SLAVES, Plants which love the water, Squallid, revivescent, abstemious, almost naked. *These begin the first Vegetation on uncultivated places.*

9. FUNGUSSES.

9. FUNGUSSES. VAGABONDS, Plants of the Autumn, Barbarous, Naked, putrescent, rapacious, voracious. *These at the Fall of the Leaf are supported by the recrements of other plants.*
5. TEXTURE of vegetables consists of *Fluid-bearing Vessels, Air Vessels, Secretory Reservoirs.*
6. SUBSTANCE of vegetables, which covers their *Pith*, consists of a *Cuticle* externally covering the *Bark*; which bark deposits on its interior side the *Rind*; which is converted annually into rigid *Wood*.
7. The principal PARTS of vegetables are three :  
 ROOT descending, absorbing moisture, *nourishing*.  
 HERB ascending, breathing the air, *moving*.  
 FRUCTIFICATION expanding, inhaling ether, *producing seeds*.
8. ROOT, inserted into the moist earth, puts forth capillary *Root-lets*, often joining above into a solid *Stock descending* beneath the earth, or even *ascending* above the earth.
9. HERB annual, committed to the air, consists of the *Hybernacle, Trunk, Leaf, Prop* :  
 HYBERNACLE a compendium of the whole Plant, scaly :  
 BULB from the bases of the past leaves.  
 BUD from the rudiments of the future leaves.
10. TRUNK, elevating the Herb and the Fructification, ( the BRANCHES are Parts of the Trunk ) is either  
 STEM of the Herb leafy.  
 CULM of Grass: often knotted with empty joints.  
 SCAPE of the Root leafless, flower-bearing.  
 PEDUNCLE a flower-bearing *Branch* of the stem.  
 PETIOLE a leaf-bearing branch, proper to the leaf.  
 STIPE not distinct from the Leaf: in *Palms and Ferns*.
11. LEAF expanding its surface to the air, waving, often on a petiole.  
 LEAFLET a part of a *compound* Leaf.  
 FROND a Leaf made from a stipe: in *Palms and Ferns*.

6. V E G E T A B L E K I N G D O M ;

12. PROP administering to the necessities of Life :  
STIPULE of the Leaves, at their base, leafy.  
BRACTE of the Flowers, at the base of the flowers or peduncles, leafy.  
PUBESCENCE cloathing with down.  
GLAND separating a liquor.  
THORN terminating with a wooden *horn*.  
PRICKLE stretched out like a *claw* inserted only into the bark.  
TENDRIL climbing by a *thread*.
13. FRUCTIFICATION temporary, at the extremity, expanding naturally by a spontaneous metamorphosis, so that the *Internal* substance appears in the Flower and in the Fruit.  
FLOWER consists of the *Calyx, Corol, Stamens, Pistils*.  
FRUIT consists of the *Pericarp* pregnant with *Seeds*, which are affixed to the *Receptacle*.
14. CALYX the exterior Covering of the Flower derived from the *Bark*, of which are seven kinds :  
VOLVÉ of a *Fungus*, torn.  
CALYPTRE of *Moss*, cowl'd.  
SPATHE of a *Palm*, sheathed.  
GLUME of *Grass*, generally two-valved.  
PERIANTH of a *Plant*, near the corol.  
INVOLUCRE of a *Plant*, remote from the flower, often of an umbel.  
INVOLUCEL or partial Involucre.  
AMENT *Buddy* imbricated, common.
15. COROL the interior Covering of the Flower derived from the *Rind*.  
PETAL membranous : with a *Border* or *Folds*.  
with a *Tube* or *Claws*.  
NECTARY nectar-bearing proper, producing honey.
16. STAMEN an external Organ, derived from the *Wood*; constitutes the *Male*.  
FILAMENT sustaining the *Anther*.  
ANTHER big with a granulated *Dust*; and this with the *Fovilla*.

17. PISTIL an interior Organ derived from the *Pith*; constitutes the *Female*.  
 GERM a rudiment of the Fruit, beneath.  
 STYLE elevating the Stigma from the germ, intermediate.  
 STIGMA dewy, pubescent, above.
18. PERICARP the *Germ* after the fall of the flower seed-bearing:  
 CAPSULE membranous, gaping with *valves* variously in various plants.  
 SILIQUE membranous, *two-valved*, each future bearing seeds.  
 LEGUME membranous, *two-valved*, one future bearing seeds.  
 FOLLICLE membranous, *one-valved*, gaping on the side, not attached to the seeds.  
 BERRY pulpy, with separate *Seeds*.  
 DRUPE pulpy, with a bony *Nucleus*.  
 POME pulpy, a *Capsule* including the seeds.  
 STROBILE imbricated, the pericarp of a contracted *Ament*.
19. SEED an *Egg*, pregnant with the new plant, deciduous, coated.  
 HILE the navel-scar.  
 COTYLEDONS absorbent, constituting the uterine placenta.  
 HEART a compendium of the new plant, connecting the cotyledons:  
     with a pointed *Beak* germinating downwards.  
     with an imbricated *Plume* growing upwards.  
 PAPPUS sometimes crowns the seed.  
 ARIL sometimes includes the seed partially.
20. RECEPTACLE: the *base* connecting all the parts of fructification.  
 PROPER of one flower.  
 COMMON to many fertile *florets*.  
 UMBEL, between the calyx and the flower, elongated into equal peduncles.  
     UMBELLET a partial umbel,  
 CYME a compound umbel with alternate branchlets.  
 SPADIX within a *Spathe*, particularly of the Palm.  
 RACHIS the receptacle of the Spike of Grass, on which the flowers are ingraved.

## 8. V E G E T A B L E K I N G D O M .

### 21. Vegetable MECHANISM consists of two contrary substances.

The CORPOREAL external one, including, nourishing, descending, adhering to the earth, carefully surrounding the pith, hardish, growing with a very tender point.

The internal PITH, or MEDULLA, included, vivifying, deliquescent at the base, ascending at the point, infinite in multiplication in divisibility and intermination, enlivened at its creation, secretly and gradually from its beginning extends itself where there is least resistance, to its final exit; where, the more feebly it is confined by the corporeal part, the sooner it breaks its prison, about to undergo its metamorphosis; and escaping joins itself with the corporeal part, that dispersing itself into new lives the circle of vegetation may be perennial.

### 22. GERMINATION is produced from the *Seeds* being dispersed and absorbing water by the *Hile*; whence the membranes are burst by the bibulous swelling *Cotyledons*; which give nourishment to the *Heart*; till the *Beak* of the foetus puts out *Rootlets*; by which the *Plume* is elevated growing into an annual *Herb*, terminating in a super-decompounded *Bud*.

### 23. VEGETATION is produced by the *Rootlets* sucking up the aqueous tincture of the *Soil*; which, by daily addition of heat, is gently driven through the vessels of the external corporeal part; whence the nutrition of the exterior and interior plant, the superfluous moisture exhaling, the *Bark* depositing the *Rind* on its interior surface, which annually changes itself into a *Woody* substance, (in Annual ringlets interspersed with the *Alburnum*, which at length almost ossifies as the lower branches decay) this woody substance afterwards sustains the ascending *Stock*, in the summits of which the living *Pith* advances.

I conceive the MEDULLA, or PITH, to consist of a bundle of equally diverging Nervous fibres; in which medulla the protrusive vital power breaks the ultimate nerves; which there diverging, penetrate the bark, as yet gelatinous; where these medullary nerves at the summit are in like manner multiplied in the *Bud*. From the vessel ascending through this nerve being divided, and the ascent of the propelled fluid being impeded beneath, the bark is extended into a *Leaf*.

This LEAF which is agitated by the passing winds, attracts and prepares the fluids (except those of the Parasite-Plants, which are previously prepared,) inhales electric mater from the



the light with its upper surface, perspires a dew from its under surface, and perishes never to be renewed.

But the Larva of the herb is DISPLAYED, when the protrusion of the Medulla is greater than the retention of the including Body; when the substance of the *Bark* is expanded in the Calyx, that of the *Rind* in the Corol, that of the *Wood* in the Stamens, that of the *Medulla* in the Pistil; the vegetation thus terminates in new life, the threads of life being collected into the ultimate Seeds of the Medulla.

24. The PROLEPSIS exhibits the mystery of the Metamorphosis of Plants, in which the *Larva* of the Herb is changed into a *Displayed* Fructification; for it is the office of a Plant to produce either a leafy *Herb* or a *Fructification*.

A genuine LEAF always nourishes in its bosom the principle of a multiplying Branch, either such actually or potentially; and since the Leaf is produced for this cause, and no other, a Leaf cannot exist, unless this principle has previously perforated the bark, from which it arose, altho' the effect appears before its cause.

A genuine BUD is the compendium of a future *Branch*, into which it is at length unfolded. A Bud always consists of *Scales*, which are so many rudiments of Leaves, and are pressed together till the future branchlet becomes elongated. *And since* the Leaf cannot exist without the Bud, it follows that buds lie concealed in the bosom of every bud-scale, and this is evident to the eye, whence every bud can be nothing more than a body composed of leaves and Budlets. It follows therefore that every Bud consists of Leaves with their Budlets, and these *Budlets* in like manner of less scales or budlets, and so forward even to the fifth generation, (as in the *Volvox*) nor further, as appears from the metamorphosis. Therefore a leafy Branch of the present year is pregnant with all the branchlets to be produced through *five years*, new ones always succeeding at the extreme summits, in the place, at the base, of those fallen off, that the five series may be perpetual. This happens in *Trees*, where the medulla is delayed by the harder woody substance; but in annual *Plants* where the resistance of the less compact body against the medulla is less, it can sooner pass into Flower without the delay in the bud; for whatever increases the protrusion of the Medulla, and weakens the power of the including Body, promotes the florescence.

When a Tree produces a FLOWER, Nature anticipates the progenies of five years, then all coming forth together; in  
 B forming

forming from the bud-leaves the *Bractes* of the next year, the *Calyx* of the following one, the *Corol* of that succeeding it, the *Stamens* of the fourth, and *Pistil* of the fifth; which is filled with the granulated *Medulla* of the *Seed*, the termination of vegetable life.

25. FLORESCENCE exhibits the *Espousals* of Plants in the Flower, and their \* *Nuptials* in the Anthesis.

The FLOWER, the unclad Larva of the Herb, comes forth from the displayed, internal plant, naked and perfect, like the above mentioned flying *Insect*: *Wing sheathed* in respect to the *Calyx*, *Winged* in respect to the *Corol*, consisting alone of the *Organs* of Reproduction: In the *Males* the stamens have their *Anthers* replete with the Prolific *Powder* containing the vivifying *Fovilla*: In the *Females* the *Pistils* have their *Ovarium* terminated with a tubular and moist *Stigma*.

The ANTHESIS takes place, when the burst *Anthers* scatter their bags of *Dust* upon the *Stigma*, when this dust gives out the included male *Fovilla*, to be absorbed by the prolific *Lymph* of the *Stigma*; so that the male corporeal part and the Female medullary one, produces the seed, or *Egg*, which is nourished in the *Ovary* to its due maturity.

26. The PRINCIPLE of Fructification, the Foundation of Botany, should be traced higher.

PROBLEM: we may suppose GOD at the beginning to have proceeded from simple to compound, from few to many! and therefore at the beginning of Vegetation to have created just so many different plants, as there are *Natural Orders*. That HE then so intermixed the plants of these orders by their marriages with each other; that as many plants were produced as there are now distinct *Genera*. That Nature then intermixed these Generic plants, by reciprocal marriages, (which did not change the structure of the flower) and multiplied them into all possible existing *Species*; excluding however from the number of *Species*, the *Mule-plants* produced from these marriages, as being barren.

Each GENUS therefore is natural, Nature assenting to it, if not making it.

The

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\* *Sponsalia plantarum*. Amœn. acad. I. n. 12.

The CHARACTER therefore never constitutes the Genus, but is itself diligently to be constructed according to the Genus of Nature.

Kindred PLANTS of the same mother, are to be known in respect to the Genus by the flower, or displayed plant, when the reciprocal undulterated marriage leaves the Fructification intire; but in the species are to be distinguished from their sister-companions, produced by a different father, according to the Herb.

Thus the DIAGNOSIS of a plant consists in the affinity of the *Genus*, and in the difference of the *Species*.

The NAME of a plant therefore, that it may refer to each diagnosis, is double: the *Generic Family Name*,  
And the *Specific trivial Name*,  
under which latter are the vague *Synonymies* of authors.

The BOTANIST, in following the *Classifications*, is lead to the named *Genus* by the *Characters* of the displayed plant or flower; to the appellation of the *Species* by the *Differences* of the Larva or herb; and thence to its *Synonymies*; from these to *Authors*, and thence to *every thing*, which has come to us from our ancestors on the subject. Thus the plant itself tells its Name, and its History amid such a multitude of species, and of individuals; this is the great purpose of Botany, the invention of the present age, to the completion of which all true Botanists will contribute their labour.

27. TRUE BOTANISTS will labour to increase this lovely Science: will construct FUNDAMENTAL DESCRIPTIONS in characteristic words, particularly of obscure, rare, and new Plants, according to the rule of Delineation of a plant; as is done by my Son, and Schreberus in *Decuriis*.

Will add FIGURES, if they are able, which represent the perfect Plant, such as are given by *Vaillant*, *Dillenius*, *Ebret*, *Jacquin*, *Trew*, *Schmiedel*, &c.

Will discover the most compendious and most proper specific DIFFERENCES.

Will enquire the SYNONYMIES of authors, particularly the best; as *Haller*.

Will always prefix the natural GENUS to the Species; and when new, will define it by its natural *Character* from the situation, figure, number, proportion, of all the parts of fructification.

Will refer the vague and new SPECIES to certain genera ;  
as *Tournefort, Plumier, Brown, Jacquin.*

Will point out the natural Order, where it appears.

Will mark the native STATIONS of each plant, and will  
therefore produce more Floras, where there is opportunity,  
particularly *Southern or Exotic ones.*

Will observe their PROPERTIES, as their *Duration,*  
*Semination, Gemination, Vernation, Aestivation, Nuptials,*  
*Frudefcence, Calendar, Horologe, Sleep, Qualities.*

Will add their USES; whatever uses of *Nature* (of the  
Pan and of the Pandora) the *Physician* the *Oeconomist,* &c.  
have discovered, and of these whatever contributes most  
to the glory of the Author of all, and to the advantage of  
Human Life; that at length our posterity may enjoy the  
meridian light of the science.

FALSE BOTANISTS proclaim the Laws of the Art before they  
have learned them ;

Extol absurd Authors, and are jealous of the excellent ones :

Steal from others, producing nothing of their own :

Boast much of a little knowledge :

Pretend they have discovered a natural Method :

Affert the Genera to be arbitrary.



# DELINEATION OF A PLANT.

## I. THEORY.

- GENUS.** The *most select* Name.  
 Character natural, essential, artificial.  
 Class and Order of the *most excellent System*.  
 Natural Order *to be demonstrated*.
- SPECIES.** Trivial Name.  
 Specific Difference *to be demonstrated: the most certain, and the shortest*.  
 Synonymies *from a Description or select Figure; vernacular ones*.
- CRITICISMS.** Etymology of the names *generic, specific*.  
 The Discoverer *with the time*.  
 The Knowledge Historical, Critical, Antique.

## II. DESCRIPTION.

- ROOT** *duration* annual, biennial, perennial.  
*figure* a. fibrous, branchy, spindle-form, end-bitten.  
 b. creeping, jointed, teeth-like.  
 c. globular, tuberous, fascicled, handed.  
 d. bulbous: (granulated,) coated, solid, scaly.
- TRUNK** *kinds* Stem, Culm, Scape, Stipe.  
*duration* herbaceous, some-what-shrubby, shrubby, arborescent,  
*substance* solid, empty, piped, woody.  
*measure* a. (the proportion *to the leaves and other parts*.)  
 b. thickness *from some well-known similitude*.  
*direction* a. erect, straight, rigid, climbing, twining, creeping, loose, oblique, ascending, declining, incurved, nodding, diffused, procumbent, stole-bearing.  
 b. sarmentous, rooting, creeping.  
 c. knotted, flexuous, climbing.  
 twining: *from the left, from the right*.  
*figure* a. columnar, semi-columnar, compress'd, piped. two-edged, 3-10 angled. acute-angled, obtuse-angled.

- b. 3-6-corner'd, 3-5 sided  
*cloathing* naked, leafless, leafy.  
 sheath'd, scaly, imbricated.  
*surface* a. corky, chinky, coated.  
 b. polish'd, striated, furrow'd, channel'd,  
 c. smooth, rough, murex'd,  
 downy, shaggy, hispid,  
 prickly, thorny, stinging.  
 d. stipuled, membranous, bulb-bearing.  
*composition* a. knotless, very simple, simple, intire.  
 b. jointed, proliferous, two-fork'd, cross-arm'd.  
 c. thinly-branch'd, branchy, very branchy.  
 d. twiggy, panicled, level-top'd.  
 e. expanding, divaricated,  
**BRANCHES** a: the structure of the Stem, and of the Frond.  
 b. alternate, two-rank'd, scatter'd.  
 crown'd, opposite, verticil'd.  
 c. erect, condensed, diverging.  
 divaricated, deflected, reflected, retroflected,  
 prop'd.  
 d. height of the stem; long, short, expanding.

## LEAVES

- determina- root-leaves, stem-leaves, branch-leaves.  
 tion *place* axillary, floral.  
*number* one, two, three, few, many.  
*situation* a. alternate, two-rank'd, two-faced.  
 scatter'd, crowded, imbricated.  
 fascicled, two'd, three'd, four'd, five'd.  
 confluent, approximated, remote.  
 b. opposite, decussated, star'd.  
 -*direction* a. erect, straight, rigid, appress'd,  
 expanding; very expanding, arising, inflected,  
 reclining, recurved, revolute, depending.  
 b. oblique, south-turn'd, vertical, resupine.  
 c. immersed, swimming, rooting.  
*insertion* a. petioled, targetted.  
 b. sessile, adjoin'd, co-adjoin'd, decurrent,  
 stem-clasping, leaf-peirced, conjoin'd, sheathing.  
 structure a. roundish: orbicular, egg'd, oval.  
*figure* b. oblong, parabolic, wedge-form, spatule-form.  
 c. rounded, lanced, elliptic, linear, awl'd.  
*angles* intire, 3-5-angled, deltalike, rhombic, trapeze-  
 form.  
*hollows* a. hearted, kidney-form, moon'd.

arrow'd

- arrow'd, halberted, violin-form, runcinated.
- margin* b. cleft, 2-5-lobed, 2-5-cleft, 2-5-parted.  
handed, lyred, feather-cleft, sinuous, jagged, ragged.
- a. very intire, notch'd, saw'd, fringed.  
tooth'd, thorny, cartilaginous.
- top* b. scollop'd, torn, gnaw'd, daedalean.
- a. obtuse, end-nick'd, end-bitten; lop'd.
- b. acute, awl'd, dagger'd; tendril'd.
- surface* a. upper surface, lower surface.  
naked, smooth; bright, shining, colour'd.
- b. nerved; three-nerved; thrice-nerved, tripple-nerved, nerveless, lined, striated, furrowed.
- c. vein'd, wrinkled, bubbled, pitted, veinless.
- d. dotted, papillous, pimply, viscid.
- e. villous, downy, silky, woolly, bearded.  
hairy, rugged, hispid, prickly, lance-bristled.
- expansion* flat, channel'd, concave, convex, cowl'd, plaited, waved, curl'd.
- substance* a. membranous, parch'd, gibbous.  
columnar, depress'd, compress'd, keel'd.
- b. compact, tubular, pulpy, fleshy;
- c. three-sided, two-edged, tongue'd, sword-form.  
awl'd, scinitar-form, ax-form.
- measure* very short, very long, *in respect to its stem or joints.*
- duration* deciduous, falling, permanent,  
perennial, ever-green.
- composition* jointed, pair'd.
- compounded* Finger'd: twofold, threefold, fivefold,  
Footed.  
Feather'd: twice-pair'd, thrice-pair'd, four-times-pair'd, &c. *with* an odd one, abrupt, tendril'd.  
with *Leaflets* opposite, alternate, interrupted, decurrent.
- Decompounded* twice-double, thrice-threefold, twice-feather'd.
- Superdecompounded* thrice-double, three-times-thrice-threefold, tripple-feather'd.
- PROPS: Petiole, Stipule, Tendril, Pubescence, Arms,  
Peduncle, Bracte.

PETIOLE

# 16. V E G E T A B L E K I N G D O M.

**PETIOLE** *figure* linear, wing'd, club'd.  
 membranous, columnar, semi-columnar, three-  
 sided, channel'd  
*size* very short, short, middle-size.  
*insertion* long, very long,  
*insertion* inserted, adjoin'd, decurrent.  
*direction* stem-clasping, sheathing, appendaged;  
*surface* erect, expanding, arising, recurvate;  
 smooth, prickly, naked,  
 jointed, spinescent.

**STIPULES** a. doubled, solitary, none.  
 b. lateral, behind the leaf, before the leaf, leaf-op-  
 posed.  
 c. falling, deciduous, permanent, spinescent.  
 d. sessile, adjoin'd, decurrent, sheathing.  
 e. awl'd, lanced, arrow'd, moon'd.  
 f. erect, expanding, reflected.  
 g. very intire, saw'd, fringed, tooth'd, cleft;  
 h. very short, middle size, long.

**TENDRIL** a. axillary, leafy, petioled, peduncled.  
 b. simple, three-cleft, many-cleft.  
 c. convolute, revolute.

**PUBESCENCE** a. hairs, wool, beard, down, lance-bristles.  
 bristles: simple, hook'd, branchy, feather'd,  
 star'd.  
 c. hooks, barbs,  
 d. glands, bladders.  
 leafy, petioled, peduncled, stipuled.  
 e. viscosity, glutinosity.

**ARMS** a. *Prickles*: straight, incurved, recurved.  
 b. *Forks* two-cleft, three-cleft.  
 c. *Thorns* terminal, axillary, on the calyx, leafy,  
 simple, divided.  
 d. *Stings* pungent, stinging.

**BRACTES** a. colour'd, falling, deciduous, permanent.  
 b. one, two, many.  
 c. *Tuft*.  
 d. *Other properties* of Leaves.

**PEDUNCLE** partial, (a-e) common; Pedicel.

place

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The forms of the same division join well together,  
 As lance egg'd and egg lanced; but  
 Those of different divisions join discordantly,  
 As lance acute, egg-dagger'd.



- a. *place* root-peduncle, stem-peduncle, branch-peduncle.  
of the petiole, tendril-bearing,  
terminal, axillary,  
leaf-opposed, side-flower'd, within the leaf, above  
the leaf, behind the leaf.
- b. *situation* alternate, scatter'd, opposite, verticil'd.
- c. *number* solitary, doubled, umbellet; *sessile*.
- d. *direction* appress'd, erect, expanding, bowing,  
resupine, declined, nodding, flaccid, ascending.  
pendulous, straight, winding, retrofracted.
- e. *measure* short, very short, long, very long.
- f. *flowers* one-flower'd, two-flower'd, many-flower'd.
- g. *structure* columnar, three-sided, four-corner'd,  
thread-form, taper, club'd, thicken'd,  
naked, scaly, leaved, bracted,  
knotted, jointed,

INFLORESENCE, ascends in gradual modification :

Spadix,	Cyme,	Umbel,	Umbellet,	Aggregate,
Compound,	Spike,	Ament,	Strobile,	Corymb,
Raceme,	Panicle,	Thyrse,	Fascicle,	Head,
Verticil,	Side-flower'd, &c.			

*Flowers* terminal, lateral, scatter'd, crowded, aggregate,  
sessile, peduncled,  
one, solitary, threefold, &c. copious,  
erect, bowing, nodding, resupine, one-rank'd,  
vertical, horizontal.  
superaxillary, leaf-opposed, side-flowering, within  
the leaf,

- a. VERTICIL a. sessile, peduncled.  
b. naked, involucred, bracted.  
c. crowded, distant.
- b. HEAD a. roundish, globular, halv'd.  
b. leafy, naked. Fascicle.
- c. a SPIKE a. simple, two-rank'd composed of spikelets, glomerate.  
b. egg'd, bellied, cylindrical, interrupted.  
c. imbricated, jointed, branchy, one-rank'd,  
linear, fringed, leafy, tufted,
- d. CORYMB simple, compound,
- e. THYRSE naked, leaved.
- f. RACEME a. simple, compound,  
b. one-sided, one-rank'd, footed, pair'd.  
c. erect, loose, depending.  
d. naked, leaved.
- g. PANICLE of the structure of the Trunk.

FRUCTIFICATION from the *number, figure, proportion, situation* of parts, Simple. Compound from the Florets.

- CALYX** *Perianth* of the fructification, of the flower, of the fruit.  
 permanent, deciduous, falling.
- Proper* a. one-leaved, many-leaved.  
 b. 2-5-cleft, 2-5-parted, intire.  
 c. tubular, expanding, reflected, inflated.  
 d. abbreviated, long, middlesize.  
 e. obtuse, acute, thorny, prickly.  
 f. equal, unequal, lip'd.
- Common* imbricated, ragged, calyced, parch'd.
- Involucre* a. universal, partial, proper.  
 b. one-leaved, many-leaved.
- Glume* a. one-flower'd, 2-many-flower'd.  
 b. one-valved, two-valved, many-valved.  
 c. colour'd, smooth, bristly.
- Awn* a. awnless, terminal, dorsal.  
 b. straight, twisted, knotted, recurvate.
- Ament* scaly, naked.
- Spathe* one-valved, two-valved, halved, imbricated,  
 1-6-flower'd.
- Calyptre* straight, oblique.
- Volve* approximated, very remote; Hat, Stipe.
- COROL** *Petals* a. Tube or Claw; Border, or Folds.  
 b. one-petal'd, 2-6 many-petal'd, 5-cleft, 5-parted.  
 c. regular, irregular, unequal, deform'd.  
 d. globular, bell'd, funnel-form.  
 salver-form, wheel'd, globular, liliaceous.  
 grinning, mask'd: with lip upper and lower;  
 with Grin; Palate, Throat, Neck.  
 cross'd, concave, expanding.  
 papilionaceous; with *banner, wings, keel*.  
 e. Compound: ligulate, tubular, radiated.  
 Disk, Ray.  
 f. Colour.
- Nectary* proper, petaline, spur'd.
- STAMENS** *Filaments* number, figure, insertion, proportion.  
 equal, unequal; conjoin'd, alternate.
- Anthers.* distinct, conjoin'd; lateral, incumbent, erect.  
 twin, globular, awl'd, arrow'd, twice-horn'd,  
 awn'd, spiral.  
 cells, aperture.
- Anther-dust* figure.
- PISTIL** *Germ.* above, beneath; pedicel'd.

	<i>Style</i>	number, proportion, division, figure. capillary, thread-form, cylindrical, awl'd, club'd. erect, declining, ascending.
	<i>Stigma</i>	number, figure; divided, perforated, headed.
PERICARP	<i>Capsule:</i>	figure, valves, cells, partitions, column. gaping; 5-tooth'd, 5-valved, jointed, circum- cised, elastic.
		two-capsuled, &c. two-celled, &c. twin, three-grain'd, &c. inflated.
	<i>Siliqua</i>	figure: compressed, protuberant, jointed. <i>Partition</i> parallel, transverse.
	<i>Legume</i>	figure, jointed, 1-2-cell'd, with isthmuses.
	<i>Follicle</i>	one-valved, figure.
	<i>Drupe</i>	succulent, dry.
	<i>Pome</i>	figure, cells.
	<i>Berry</i>	one-seeded, &c. nidulant seeds.
	<i>Strobile</i>	figure of the whole, of the scales.
SEED	number, figure, cells, surface, consistence.	
	<i>Hile</i>	<i>Heart</i> .
	<i>Crown</i>	<i>Pappus</i> stiped, or sessile: capillary, plumy. tail, hook, calycle, wing, awn.
	<i>Nut</i>	one-cell'd, two-cell'd, &c.
	<i>Aril</i>	cartilaginous, succulent.
RECEPTACLE		of the fructification, of the flower, of the fruit.
	<i>Common</i>	a. naked, dotted, hairy, chaffy, honeycomb'd. b. flat, convex, awl'd, egg'd, globular.
	<i>Compound</i>	flower, of <i>Florets</i> .
	<i>Aggregate</i>	flower
	<i>Umbel</i>	a. simple, compound of an universal and partial one, proliferous. b. concave, level-top'd, convex. c. erect, nodding.
	<i>Cyme</i>	naked, bracted.
	<i>Spadix</i>	a. one-flower'd, many-flower'd. b. simple, branchy. c. <i>Rachis</i> spike.

### III. H A B I T.

GEMMATION	<i>Bulb</i> solid, coated, scaly, stem-bulb. <i>Bud</i> , its origin petioled, stipuled, cortical. its contents leafy, floral, common.
VERNATION	conduplicate, convolute, involute, revolute. imbricated, equitant, obvolute, plated, spiral.

- ESTIVATION convolute, imbricated, conduplicate, valved, unequal-valved.
- TORSION a. uniform, dissimilar.  
b. from the right, from the left, reciprocal.  
c. refupine, spiral.
- VARIATION of colour, size, pubescence, age.  
*External:* plaited, bundled.  
broad-leaved, slender-leaved, curl'd.  
awnless.  
*Internal:* a. mutilated, greatflower'd.  
b. multiplied, full, proliferous, crested.  
c. viviparous, bulb-bearing.
- NUPTIALS Male, Female, Androgynous, Hermaphrodite.  
*Mysteries of Reproduction.*
- SEMMINATION *of the Seed* tail, wing, tuft, awn,  
hooks, gluten, curvature.  
*of the Pericarp* berrying, inflation, viscosity, elasticity,  
*structure.*
- PLACENTATION Two-Cotyledon'd, Cotyledonless, Many-Cotyledon'd.

## IV. S T A T I O N.

- CLIME northern, mediterranean, alpine, marine,  
eastern, southern, western, indian;
- SOIL watry, shorey, marine, saline,  
marshy, overflow'd, spongy, turfy,  
shady, woody, arable,  
meadowy, pastury, mountainous,  
rubbishy, cultivated.
- EARTH Mould, Clay, Chalk, Sand.  
Parasitical, Rootless: of the Root, of the Trunk, of the  
Stem, of the Leaves.

## V. T I M E.

- GERMINATION of days, of months, annual, biennial.
- FRONDESCENCE *Vernation* early, equal, late.  
*Autumnation* early, slow, delay'd.
- CALENDAR 1. Germination, Frondescence, Florescence.  
2. Grossification, Maturation, Harvest.  
3. Exfoliation, Defoliation, Congelation.  
4. Of the Winter, of the Frost, of the Thaw.
- HOROLOGE a. *Vigils* meteorous, tropical, equinoctial,  
b. of opening, of closing.

SLEEP

SLEEP Converging, Including, Surrounding, Fortifying.  
 Conduplicating, Involving, Diverging, Depending.  
 Inverting, Imbricating.

DURATION *Plants* fading, delicate, perpetual.  
*Flowers* of a day, of three days, of a month.  
*Fruits* early, late, annual,

VI. QUALITIES.

ODOUR	ambrosial,	fragrant,	breathing,	aromatic,	orgastic,
	hircous,	nidorous,	nasty,	nauceous,	pisonous,
TASTE	watery,	acid,	fatty,	sweet,	mucous,
	dry,	bitter,	stiptic,	acid,	salt.
COLOUR	glassy,	red,	purple,	white,	fad.
	black,	yellow,	green,	ash-colour,	pearly,
TOUCH	moist,	downy,	juicy,	fleshy,	viscid.
	dry,	slippery,	parch'd,	membranous,	rugged,
MEASURE	a line,	an inch,	six-inches,	a foot,	a cubit.
	half an inch,	a hand,	a span,	six-feet.	

VII. USES.

NATURAL The *Oeconemy* and *Policy* of nature.  
 sympathies, antipathies.  
 Pan of the domestic herbivorous animals.  
 Pandora of insects.

ARTIFICIAL *Culinary*: Roots, Pot-Herbs, Fruits.  
*Officinal* a. simples, preparations.  
 b. price, place.  
*Medical*: Virtues, Uses.  
*Oeconomical* for the Mechanic,  
 the Shepherd,  
 the Dyer.  
 of cultivation: Grain.  
 Market.  
 Shop.  
 Nursery. Shrubery.  
 Orchard.  
 Pasturage.

## KEY OF THE SEXUAL SYSTEM.

## MARRIAGES OF PLANTS.

*Florescence.*

## PUBLIC MARRIAGES.

*Flowers visible to every one.*

## IN ONE BED.

Husband and wife have the same bed.

*All the flowers hermaphrodite : stamens and pistils in the same flower.*

## WITHOUT AFFINITY.

Husbands not related to each other.

*Stamens not joined together in any part.*

## WITH EQUALITY.

All the males of equal rank.

*Stamens have no determinate proportion of length.*

1. ONE MALE.

2. TWO MALES.

3. THREE MALES.

4. FOUR MALES.

5. FIVE MALES.

6. SIX MALES.

7. SEVEN MALES.

8. EIGHT MALES.

9. NINE MALES.

10. TEN MALES.

11. TWELVE MALES.

12. TWENTY MALES.

13. MANY MALES.

## WITH SUBORDINATION

Some males above others.

*Two stamens are always lower than the others.*

14. TWO POWERS

15. FOUR POWERS.

## WITH AFFINITY

Husbands related to each other.

*Stamens cohere with each other, or with the pistil.*

16. ONE BROTHERHOOD.

17. TWO BROTHERHOODS.

18. MANY BROTHERHOODS.

19. CONFEDERATE MALES.

20. FEMININE MALES.

## IN TWO BEDS.

Husband and wife have separate beds.

*Male flowers and female flowers in the same species.*

21. ONE HOUSE.

21. TWO HOUSES.

23. POLYGAMIES.

## CLANDESTINE MARRIAGES.

*Flowers scarce visible to the naked eye.*

24. CLANDESTINE MARRIAGES.

CHARACTERS OF CLASSES.

- I. ONE MALE.  
 One husband in marriage.  
*One stamen in an hermaphrodite flower.*
- II. TWO MALES.  
 Two husbands in the same marriage.  
*Two stamens in an hermaphrodite flower.*
- III. THREE MALES.  
 Three husbands in the same marriage.  
*Three stamens in an hermaphrodite flower.*
- IV. FOUR MALES.  
 Four husbands in the same marriage.  
*Four stamens in the same flower with the fruit.*  
*(if the two nearest stamens are shorter, it is referred to Class 14.)*
- V. FIVE MALES.  
 Five husbands in the same marriage.  
*Five stamens in an hermaphrodite flower.*
- VI. SIX MALES.  
 Six husbands in the same marriage.  
*Six stamens in an hermaphrodite flower.*  
*(if the two opposite stamens are shorter, it belongs to Class 15.)*
- VII. SEVEN MALES.  
 Seven husbands in the same marriage.  
*Seven stamens in the same flower with the pistil.*
- VIII. EIGHT MALES.  
 Eight husbands in the same marriage.  
*Eight stamens in the same flower with the pistil.*
- IX. NINE MALES.  
 Nine husbands in the same marriage.  
*Nine stamens in an hermaphrodite flower*
- X. TEN MALES.  
 Ten husbands in the same marriage.  
*Ten stamens in an hermaphrodite flower.*
- XI. TWELVE MALES.  
 Twelve husbands in the same marriage.  
*Twelve stamens to nineteen in an hermaphrodite flower.*
- XII. TWENTY MALES.  
 Generally twenty husbands, often more.  
*Stamens inserted on the calyx (not on the receptacle) in an hermaphrodite flower.*

XII. MANY

## XIII. MANY MALES.

Twenty males or more in the same marriage  
*Stamens inserted on the receptacle, from 20 to 1000 in the same flower with the pistil.*

## XIV. TWO POWERS.

Four husbands, two taller than the other two.  
*Four stamens : of which the two nearest are longer.*

## XV. FOUR POWERS.

Six husbands, of which four are taller.  
*Six stamens : of which four are longer, and the two opposite ones shorter.*

## XVI. ONE BROTHERHOOD.

Husbands, like brothers, arise from one base.  
*Stamens are united by their filaments into one body.*

## XVII. TWO BROTHERHOODS.

Husbands arise from two bases, as if from two mothers.  
*Stamens are united by their filaments into two bodies.*

## XVIII. MANY BROTHERHOODS.

Husbands arise from more than two mothers.  
*Stamens are united by their filaments into three or more bodies.*

## XIX. CONFEDERATE MALES.

Husbands joined together at the top.  
*Stamens are connected by the anthers forming a cylinder (seldom by the filaments.)*

## XX. FEMININE MALES.

Husbands and wives growing together.  
*Stamens are inserted on the pistils, (not on the receptacle.)*

## XXI. ONE HOUSE.

Husbands live with their wives in the same house, but have different beds.  
*Male flowers and female flowers are on the same plant.*

## XXII. TWO HOUSES.

Husbands and wives have different houses.  
*Male flowers and female flowers are on different plants.*

## XXIII. POLYGAMIES.

Husbands live with wives and concubines.  
*Hermaphrodite flowers, and male ones, or female ones in the same species.*

## XXIV. CLANDESTINE MARRIAGES.

Nuptials are celebrated privately.  
*Flowers concealed within the fruit, or in some irregular manner.*



ORDERS are taken from the Females or Pistils, as classes from the Males or Stamens; but in the class of Connected Males the Orders differ from others, as in

ONE FEMALE, Two Females, Three Females, &c. according to the number of Pistils.

*The number of the pistil is reckoned from the Base of the style; but if there is no style, the calculation is made from the number of Stigmas.*

EQUAL POLYGAMY, consists of many marriages with promiscuous intercourse.

That is of many florets furnished with stamens and pistils,  
The flowers of these are vulgarly called Flosculous.

SPURIOUS POLYGAMY, where the beds of the married occupy the disk, and those of the concubines the circumference.

That is, *the hermaphrodite florets occupy the disk, and the female florets without stamens surround the border, and that in three manners:*

(a) SUPERFLUOUS POLYGAMY, when the married females are fertile, and thence the concubines superfluous.

That is, *when the hermaphrodite flowers of the disk are furnished with stigmas, and produce seeds; and the female flowers also, which constitute the circumference, produce seeds likewise.*

(b) FRUSTRANEOUS POLYGAMY, when the married females are fertile, and the Concubines barren.

That is, *when the hermaphrodite flowers of the disk are furnished with a stigma, and produce seeds; but the florets which constitute the circumference, having no stigma produce no seeds.*

(c) NECESSARY POLYGAMY, when the married females are barren, and the concubines fertile.

That is, *when the hermaphrodite flowers from defect of the stigma of the pistil, produce no seed; but the female flowers in the circumference produce perfect seeds.*

(e) SEPARATE POLYGAMY, when many beds are so united that they constitute one common bed.

That is, *when many flower-bearing calyxes are contained in one common calyx, so as to constitute one flower.*

# GENERA OF CLASSES.

## I.

## ONE MALE.

*( Monandria. )*

## ONE FEMALE.

*( Monogynia. )*

Canna	I
Amomum	2
Costus	3
Alpinia	4
Maranta	5
Curcuma	6
Kæmpferia	7
Thalia	8
Boerhaavia	9
Salicornia	10
Hippuris	11
Renealmia	1350
Myrosma	1351

## TWO FEMALES.

*( Digynia. )*

Corispermum.	12
Callitriche	13
Blitum	14
Cinna	15
Mniarum	1352

## II.

## TWO MALES.

*( Diandria. )*

## ONE FEMALE.

*( Monogynia. )*

Nyctanthes	16
Jasminum	17
Ligustrum	18
Phillyrea	19
Olea	20
Syringa	21
Dialium	22
Eranthemum	23
Circæa	24
Veronica	25
Pæderota	26
Justicia	27
Dianthera	28
Gratiola	29
Schwenkia	1233
Calceolaria	1288
Pinguicula	30
Utricularia	31
Verbena	32
Lycopus	33
Amethystea	34
Cunila	35
Ziziphora	36
Monarda	37
Rosmarinus	38
Salvia	39
Collinsonia	40
Morina	41
Globba	1287
Thouinia	1353
Ancistrum	1354

## TWO FEMALES.

*( Digynia. )*

Anthoxanthum	42
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THREE

THREE FEMALES.

( *Trigynia.* )

TWO FEMALES.

( *Digynia.* )

Piper 43

III.

THREE MALES.

( *Triandria.* )

ONE FEMALE.

( *Monogynia.* )

Valeriana 44

Olax 45

Tamarindus 46

Rumphia 47

Cneorum 48

Comocladia 49

Melothria 50

Rotala 1289

Ortega 51

Loeflingia 52

Willichia 1337

Polycnemum 53

Hippocratea 54

Crocus 55

Ixia 56

Gladiolus 57

Antholyza 58

Iris 59

Moræa 60

Wachendorfia 61

Commelina 62

Callisia 63

Xyris 64

Schœnus 65

Cyperus 66

Scirpus 67

Eriophorum 68

Nardus 69

Lygeum 70

Dilatris 1355

Kyllingia 1356

Fuirena 1357

Pommereulla 1358

Bobartia 71

Cornucopia 72

Saccharum 73

Phalaris 74

Paspalum 75

Panicum 76

Phleum 77

Alopecurus 78

Milium 79

Agrostis 80

Aira 81

Melica 82

Poa 83

Briza 84

Uniola 85

Dactylis 86

Cynosurus 87

Festuca 88

Bromus 89

Stipa 90

Avena 91

Lagurus 92

Arundo 93

Aristida 94

Lolium 95

Elymus 96

Secale 97

Hordeum 98

Triticum 99

Anthistiria 1359

Rottbollia 1360

THREE FEMALES

( *Trigynia.* )

Eriocaulon 100

Montia 101

Proserpinaca 102

Triplaris 103

Holosteum 104

Kœnigia 1241

Polycarpon 105

Mollugo

Mollugo	106	Egiphila	1290
Minuartia (Digynia)	107	Exacum (Digynia)	141
Queria	108	Plantago	142
Lêchea	109	Scoparia	143

## IV.

## FOUR MALES.

(Tetrandria.)

## ONE FEMALE

(Monogynia.)

Protea	110.	111	Ludwigia	153
Globularia		112	Odenlandia	154
Cephalanthus		113	Ammannia	155
Dipfacus		114	Isnarda	156
Scabiosa		115	Trapa	157
Knautia		116	Dorstenia	158
Allionia		117	Cometes	1243
Hedyotis		118	Elæagnus	159
Scabrita	1242		Santalum	48
Spermacoe		119	Struthiola	1244
Scherardia		120	Sirium	1292
Asperula		121	Acæna	1293
Diodia		122	Crameria	161
Knoxia		123	Rivina	162
Houftonia		124	Salvadora	163
Galium		125	Camphorosma	164
Crucianella		126	Alchemilla	165
Rubia		127	Hydrophyllax	1361
Spionanthus		129	Bankia	1362
Catebæa		130	Hartogia	1363
Ixora		131	Embotbrium	1364
Pavetta		132		
Petefia		133		
Mitchella		134		
Manettia		1338		
Callicarpa	135.	151		
Aquartia		136		
Polypremum		137		
Penæa		138		
Blæria		139		
Buddleja		140		

## TWO FEMALES

(Digynia.)

Alphanes	166
Crucita	167
Bufonia	168
Hamamelis	169
Cuscuta	170
Hypecoon	171
Gomozia	1365

FOUR

FOUR FEMALES.

(*Tetraginia.*)

Hex	172
Coldenia	173
Potamogeton	174
Ruppia	175
Sagina	176
Tillæa	177
Myginda	178

V.

FIVE MALES.

(*Pentandria.*)

ONE FEMALE.

(*Monogynia.*)

Heliotropium	179
Myofotis	180
Lithospermum	181
Anchusa	182
Cynoglossum	183
Pulmonaria	184
Synphytum	185
Cerithe	186
Onosma	187
Borago	188
Asperugo	189
Lycopsis	190
Echium	191
Messerschmidia	1245
Tournefortia	192
Nolana	193
Diapensia	194
Aretia	195
Androsace	196
Primula	197
Cortusa	198
Soldanella	199
Dodecatheon	200
Cyclamen	201
Menyanthes	202
Hottonia	203
Hydrophyllum	204

Lyfimachia	205
Anagallis	206
Theophrasta	207
Spigelia	209
Ophiorrhiza	210
Lifianthus	1248
Randia	211
Azalea	212
Plumbago	213
Nigrina	1246
Phlox	214
Convolvulus	215
Impomœa	216
Polemonium	217
Campanula	218
Roella	219
Phyteuma	220
Trachelium	221
Samolus	222
Nauclea	223
Rondeletia	224
Macrocneum	225
Bellonia	226
Portlandia	227
Cinchona	228
Psychotria	229
Coffea	230
Chiococca	231
Hamelia	232
Lonicera	233
Triosteum	234
Morinda	235
Conocarpus	236
Scævola	1294
Kuhnia	237
Erithalis	238
Menais	239
Mussaenda	241
Genipa	240
Matthiola	1231
Mirabilis	242
Coris	243
Brossæa	1229
Ellisia	244
Verbascum	245

Datura

Datura	246	Roridula	1234
Hyoscyamus	247	Heliconia	1297
Nicotiana	248	Claytonia	287
Atropa	249	Achyranthes	288
Physalis	250	Celofia	289
Solanum	251	Illecebrum	290
Capficum	252	Glaux	291
Strychnos	253	Thesium	292
Jacquinia	254	Rauwolfia	293
Chironia	255	Pæderia	1252
Cordia	256	Cariffa	1251
Patagonula	208	Cerbera	294
Ehretia	257	Gardenia	296
Varronia	258	Allamanda	1295
Laugeria	259	Vinca	295
Brunsfelfia	260	Nerium	297
Ceftrum	261	Plumeria	298
Lycium	262	Echites	299
Chryfophyllum	263	Cameraria	300
Sideroxylon	264	Tabernæmontana	301
Rhamnus	265	Ceropegia	302
Phyllia	266	Virecta	1366
Ceanothus	267	Sheffieldia	1367
Arduina	1250	Retzia	1368
Buttneria	268	Epacris	1369
Myrsine	269	Ignatia	1370
Celastrus	270	Tecktona	1371
Evonymus	271	Escallonia	1372
Diofma	272. 273	Corinocarpus	1373
Brunia	274	Argophyllum	1374
Cyrilla	1247	TWO FEMALES	
Itea	275	( <i>Digynia.</i> )	
Galax	276	Pergularia	1253
Cedrela	277	Periploca	303
Mangifera	278	Cynanchum	304
Hirtella	280	Apocynum	305
Plectronia	1249	Afclepias	306
Ribes	281	Stæpelia	307
Aquilicia	1296	Herniaria	308
Gronovia	282	Chenopodium	309
Hedera	283	Beta	310
Vitis	284	Salfola	311
Logœcia	285	Anabafis	312
Sauvagefia	286	Creffa	313
			Steris

Steris	1254	Æthusa	355
Gomphrena	314	Coriandrum	356
Bosea	315	Scandix	357
Ulmus	316	Chaerophyllum	358
Nama	317	Imperatoria	359
Hydrolea	318	Sefeli	360
Porana	1339	Thapsia	361
Schrebera	319	Pastinaca	362
Heuchera	320	Smyrnum	363
Lincona	1298	Anethum	364
Velezia	447	Carum	365
Swertia	321	Pimpinella	366
Gentiana	322	Apium	367
Phyllis	323	Ægopodium	368
Eryngium	324	Melodinus	1375
Hydrocotyle	325	Ruffelia	1376
Sanicula	326	Coprosma	1377
Astrantia	327	Cussonia	1378
Bupleurum	328	THREE FEMALES.	
Echinophora	329	( <i>Trigynia.</i> )	
Tordylium	330	Rhus	369
Caucalis	331	Viburnum	370
Artemisia	332	Cassia	371
Daucus	333	Sambucus	372
Ammi	334	Spathelia	373
Bunium	335	Staphylea	374
Conium	336	Xylophylla	1299
Selinum	337	Tamarix	375
Athamanta	338	Turnera	376
Peucedanum	339	Telephium	377
Crithmum	340	Corrigiola	378
Hasselquistia	341	Pharnaceum	379
Cachrys	342	Alfina	380
Ferula	343	Drypis	381
Laserpitium	344	Basella	382
Heracleum	345	Sarothra	383
Ligusticum	346	Semecarpus	1379
Angelica	347	FOUR FEMALES.	
Sium	348	( <i>Tetragynia.</i> )	
Sifon	349	Parnassia	384
Bubon	350	Evolvulus	385
Cuminum	351	FIVE FEMALES.	
Oenanthe	352	( <i>Pentagynia.</i> )	
Phellandrium	353	Aralia	386
Cicuta	354	Statice	388

Linum

Linum	389	Hypoxis	417
Aldrovanda	390	Ornithogalum	418
Drosera	391	Scilla	419
Gisækia	1299	Cyanella	420
Crassula	392	Asphodelus	421
Mahernia	1255	Anthericum	422
Sibbaldia	393	Leontice	423
Commerfonia	1580	Asparagus	424

## MANY FEMALES.

*( Polygynia. )*

Myosurus	394
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## VI.

## SIX MALES.

*( Hexandria. )*

## ONE FEMALE.

*( Monogynia. )*

Bromelia	395
Tillandsia	396
Burmannia	397
Tradescantia	398
Pontedera	399
Hæmanthus	400
Galanthus	401
Leucojum	402
Tulbagia	1300
Narcissus	403
Pancreatium	404
Crinum	405
Amaryllis	406
Bulbocodium	407
Aphyllanthes	408
Allium	209
Lilium	210
Fritillaria	211
Uvularia	412
Gloriosa	413
Erythronium	414
Tulipa	415
Albuca	416

Hypoxis	417
Ornithogalum	418
Scilla	419
Cyanella	420
Asphodelus	421
Anthericum	422
Leontice	423
Asparagus	424
Dracæna	1256
Convallaria	425
Polianthes	426
Hyacinthus	427
Aletris	428
Yucca	429
Aloë	430
Agave	431
Alströméria	432
Hemerocallis	433
Acorus	434
Orontium	435
Calamus	435
Juncus	437
Achras	438
Richardia	439
Burfera	440
Prinos	441
Breberis	442
Capura	1302
Loranthus	443
Hillia	444
Canarina	1301
Frankenia	445
Peplis	446
Maffonia	1281
Phormium	1382
Erharta	1383
Duroia	1314

## TWO FEMALES.

*( Digynia. )*

Oryza	448
Atraphaxis	449
Falkia	1385
Gahnia	1386

## THREE



THREE FEMALES.

(*Trigynia.*)

Flagellaria	450
Rumex	451
Scheuchzeria	452
Triglochin	453
Melanthium	454
Medeola	455
Trillium	456
Colchicum	457
Helonias	458

FOUR FEMALES.

(*Tetragynia.*)

Petiveria	459
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MANY FEMALES.

(*Polygynia.*)

Alisma	460
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VII.

SEVEN MALES.

(*Heptandria.*)

ONE FEMALE.

(*Monogynia.*)

Trientalis	461
Æsculus	462
Difandra	1345

TWO FEMALES.

(*Digynia.*)

Limeum	463
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FOUR FEMALES.

(*Tetragynia.*)

Saururus	464
Aponogeton	1387

SEVEN FEMALES.

(*Heptagynia.*)

Septas	465
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E

VIII.

EIGHT MALES.

(*Oftandria.*)

ONE FEMALE.

(*Monogynia.*)

Tropæolum	466
Ofbeckia	467
Rhexia	468
Oenothera	469
Gaura	470
Epilobium	471
Antichorus	1257
Combretum	475
Grislea	474
Guarea	1305
Allophyllus	476
Ximena	477
Mimusops	478
Jambolifera	479
Melicocca	472
Amyris	473
Fuchsia	128
Memecylon	481
Dodonæa	1303
Chlora	1258
Lawsonia	482
Vaccinium	483
Erica	484
Ophira	1304
Daphne	485
Dirca	486
Gnidia	487
Stellea	488
Passerina	489
Lachnæa	490
Bæckea	491

TWO FEMALES.

(*Digynia.*)

Schmiedelia	1259
Galenia	492
Weinmannia	493
Mœhringia	494
Codia	1388

THREE

## THREE FEMALES.

*( Trigynia . )*

Polygonum	495
Coccoloba	496
Paullinia	497
Cardiospermum	498
Sapindus	499

## FOUR FEMALES.

*( Tetragynia . )*

Paris	500
Adoxa	501
Elatine	502
Haloragis	1389

## IX.

## NINE MALES.

*( Enneandria . )*

## ONE FEMALE.

*( Monogynia . )*

Laurus	503
Tinus	504
Anacardium	520
Cassia	505

## THREE FEMALES.

*( Trigynia . )*

Rheum	506
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## SIX FEMALES.

*( Hexagynia . )*

Butomus	507
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## X.

## TEN MALES.

*( Decandria . )*

## ONE FEMALE.

*( Monogynia . )*

Sophora	508
Anagyris	509
Cercis	510
Bauhinia	511
Hymenæa	512
Parkinsonia	513
Cassia	514
Poinciana	515
Cæsalpinia	516
Guilandina	517
Guajacum	518
Cynometra	519
Codon	1285
Dictamnus	522
Ruta	523
Toluifera	524
Hæmatoxyton	525
Profopis	1260
Chalcas	1261
Murraya	1341
Adenanthera	526
Turræa	1306
Trichilia	528
Swietenia	521
Melia	527
Zygophyllum	530
Quassia	529
Fagonia	531
Tribulus	532
Tryallis	533
Limonia	534
Monotropa	536
Dionæa	1307
Juffieua	538
Heisteria	535
Quisqualis	539
Dais	540

Me-

Melastoma	544	Stellaria	568
Kalmia	545	Arenaria	569
Ledum	646	Cherleria	570
Rhododendrum	548	Garidella	571
Andromeda	549	Malpighia	572
Epigæa	550	Banisteria	573
Gaultheria	551	Triopteris	1308
Arbutus	552	Hiræa	574
Clethra	553	Erythroxyton	575
Pyrola	554		
Styrax	546	FIVE FEMALES.	
Samyda	543	( <i>Pentagynia.</i> )	
Copaifera	542	Averrhoa	576
Bucida	541	Spondias	577
Myroxyton	1390	Cotyledon	578
Inocarpus	1391	Sedum	579
TWO FEMALES.		Penthorum	580
( <i>Digynia.</i> )		Bergia	1309
Royena	555	Suriana	581
Hydrangea	557	Grielum	1235
Cunonia	556	Oxalis	582
Chrysopenium	558	Agrostemma	583
Saxifraga	559	Lychnis	584
Tiarella	560	Cerastium	585
Mitella	561	Spergula	589
Trianthema	537	Forskohlea	1262
Scleranthus	562		
Gypsophila	563	TEN FEMALES.	
Saponaria	564	( <i>Decagynia.</i> )	
Dianthus	565	Neurada	587
THREE FEMALES.		Phytolacca	588
( <i>Trigynia.</i> )			
Cucubalus	566		
Silene	567		

## XI.

## TWELVE MALES.

*(Dodecandria.)*

## ONE FEMALE.

*(Monogynia.)*

Afarum	589
Bocconia	591
Gethyllis	590
Bassia	1343
Rhizophora	592
Vatica	1311
Blakea	593
Befaria	1310
Garcinia	594
Halesia	595
Decumaria	597
Winterania	598
Cratæva	599
Triumfetta	600
Peganum	601
Hudsonia	1263
Nitraria	602
Portulaca	603
Lythrum	604
Ginora	905
Dodecas	1392

## TWO FEMALES.

*(Digynia.)*

Heliocarpus	606
Agrimonia	607

## THREE FEMALES

*(Trigynia.)*

Refeda	608
Euphorbia	609
Vifnea	1393
Tacca	1394
Pallafia	1395

## FIVE FEMALES.

*(Pentagynia.)*

Glinus	610
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## TWELVE FEMALES.

*(Dodecagynia.)*

Sempervivum	612
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## XII.

## TWENTY MALES.

*(Icofandria.)*

## ONE FEMALE

*(Monogynia.)*

Cactus	613
Philadelphus	614
Pfidium	615
Eugenia	616
Myrtus	617
Punica	618
Amygdalus	619
Prunus	620
Chryfobalanus	621
Plinia	671
Sonneratia	1396

## TWO FEMALES

*(Digynia.)*

Cratægus	622
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## THREE FEMALES.

*(Trigynia.)*

Sorbus	623
Sesuvium	624

## FIVE FEMALES.

*(Pentagynia.)*

Mespilus	625
Pyrus	626
Tetragonia	627
Mefembryanthemum	628
Aizoon	629
Spiræa	630

## MANY FEMALES.

*(Polygynia.)*

Rosa	631
Rubus	632
Fragaria	633
Pontentilla	634
Tormentilla	635
Geum	636

Dryas

Dryas	637
Comarum	638
Calycanthus	639

Ternstromia	1397
Alftonia	1398
Myristica	1399
Sparmmania	1400
Vallea	1401

XIII.

MANY MALES.

(*Polyandria.*)

ONE FEMALE.

(*Monogynia.*)

Marcgravia	640
Rheedia	641
Capparis	643
Actæa	644
Sanguinaria	645
Podophyllum.	946
Chelidonium	647
Papaver	648
Argemone	649
Cambogia	650
Muntingia	651
Saracenia	652
Nymphæa	653
Bixa	654
Sloanea	655
Trewia	1239
Mammea	656
Ochna	657
Calophyllum	958
Grias	659
Tilia	660
Lætia	661
Trilix	1313
Elæocarpus	663
Lecythis	664
Delima	672
Vateria	666
Lagerstrœmia	667
Thea	668
Caryophyllus	669
Mentzelia	670
Ciftus	673
Prockia	674
Corchorus	675
Seguieria	676

TWO FEMALES.

(*Digynia.*)

Pæonia	678
Curatella	679
Calligonum	680
Fothergilla	1346

THREE FEMALES.

(*Trigynia.*)

Delphinium	681
Aconitum	682

FOUR FEMALES.

(*Tetragynia.*)

Cimicifuga	1282
Tetracera	683
Caryocar	1314

FIVE FEMALES.

(*Pentagynia.*)

Aquilegia	684
Nigella	685
Ræumuria	686
Brathys	1402

SIX FEMALES.

(*Hexagynia.*)

Stratiotes	687
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MANY FEMALES.

(*Polygynia.*)

Dillenia	688
Liriodenrum	689
Magnolia	690
Michelia.	691
Illicium	611
Uvaria	692
Annona	693
Anemone	694
Atragene	695
Clematis	696

Thalictrum

Thaliétrum	697	Ifophyrum	701
Adonis	698	Helleborus	702
Ranunculus	699	Caltha	793
Trollius	700	Hydraſtis	704

## XIV.

## TWO POWERS.

*(Didynamia.)*

## SEEDS NAKED.

*(Gymnospermia.)*

## SEEDS CLOATHED.

*(Angiospermia.)*

Ajuga	705	Bartſia	739
Teucrium	706	Rhinanthus	740
Satureja	707	Euphraſia	741
Thymbra	708	Melampyrum	742
Hyſſopus	709	Lathræa	743
Nepeta	710	Schwalbea	744
Lavandula	711	Tozzia	745
Sideritis	712	Pedicularis	746
Mentha	713	Gerardia	747
Perilla	1236	Chelone	748
Glecoma	714	Gefnera	749
Lamium	716	Antirrhium	750
Galeopsis	717	Cymbaria	751
Betonica	718	Carniolaria	752
Stachys	719	Martynia	753
Ballota	720	Torenia	754
Marrubium	721	Beſleria	755
Leonurus	722	Scrophularia	756
Phlomis	723	Celfia	757
Moluccella	724	Digitalis	758
Clinopodium	725	Bignonia	759
Origanum	726	Citharexylon	761
Thyinus	727	Halleria	760
Meliffa	728	Creſcentia	762
Dracocephalum	729	Gmelina	763
Horminum	730	Premna	1316
Melittis	731	Petræa	764
Ocymum	732	Lantana	765
Trichostema	733	Cornutia	766
Scutellaria	734	Lœſelia	767
Prunella	735	Capraria	768
Cleonia	736	Selago	769
Praſium	737	Manulea	1264
Phryma	738		Heben-

Hebenstreitia	770	Ruellia	784
Erinus	771	Barleria	785
Buchnera	772	Duranta	786
Browallia	773	Ovieda	787
Linnæa	774	Volkameria	788
Sibthorpia	775	Clerodendrum	789
Limofella	776	Vitex	790
Vandellia	1265	Bontia	791
Stemodia	777	Columnea	792
Lindernia	1315	Acanthus	793
Obolaria	778	Pedanium	794
Orobanche	779	Melianthus	795
Hyobanche	1317	Hemimeris	1405
Dodartia	780	Millingtonia	1406
Lippia	781	Thunbergia	1407
Sesamum	782	Castilleia	1408
Mimulus	783	Amasonia	1409

## XV.

## FOUR POWERS.

*(Tetradynamia.)*

## WITH SILICLE.

*(Siliculosa.)*

## WITH SILIQUE.

*(Siliquosa.)*

Myagrum	796	Ricotia	810
Vella	797	Dentaria	811
Anastatica	798	Cardamine	812
Subularia	799	Sisymbrium	813
Draba	800	Erysimum	814
Lepidium	801	Cheiranthus	815
Thlaspi	802	Heliophila	816
Cochlæria	803	Hesperis	817
Iberis	804	Arabis	818
Alyssum	805	Turritis	819
Clypeola	807	Brassica	820
Peltaria.	806	Sinapis	821
Biscutella	808	Raphanus	822
Lunaria	809	Bunias	823
		Ifatis	824
		Crambe	825
		Cleome	826



XVI.  
ONE BROTHERHOOD.

(*Monadelphica.*)

THREE MALES.  
(*Triandria.*)

Aphyteia 1410

FIVE MALES.  
(*Pentandria.*)

Lerchea 1318

Waltheria 827

Hermannia 828

Melochia 829

Symphonia 1411

EIGHT MALES.  
(*Octandria.*)

Aytonia 1412

TEN MALES.  
(*Decandria.*)

Connarus 830

Hugonia 831

Geranium 832

ELEVEN MALES.  
(*Endecandria.*)

Brownea 833

TWELVE MALES.  
(*Dodecandria.*)

Pentapetes 834

MANY MALES.  
(*Polyandria.*)

Adanfonia 836

Bombax 835

Sida 837

Malachra 1266

Althæa 839

Alcea 840

Malva 841

Lavatera 842

Malope 843

Urena 844

Gossypium 845

Hibiscus 846

Stewartia 847

Gordonia 1344

Camellia 848

Mesua 665

Morisona 642

Barringtonia 1413

Gustavia 1414

Carolinea 1415

XVII.

TWO BROTHERHOODS.

(*Diadelphica.*)

FIVE MALES.  
(*Pentandria.*)

Monniera 850

SIX MALES.  
(*Hexandria.*)

Saraca 1267

Fumaria 849

EIGHT MALES.  
(*Octandria.*)

Polygala 851

Securidaca 852

Dalbergia 1416

TEN MALES.  
(*Decandria.*)

Niffolia 853

Pterocarpus 854

Erythrina 855

Piscidia 856

Borbonia 857

Liparia 1319

Spartium 858

Genista 859

Aspalathus 860

Ulex 881

F

Amorpha

Amorpha	861	Colutea	880
Crotalaria	862	Liparia	1319
Ononis	863	Glycyrrhiza	882
Anthyllis	864	Coronilla	883
Arachis	876	Ornithopus	884
Ebenus	895	Hippocrepis	885
Lupinus	865	Scorpiurus	886
Phaseolus	866	Æschynomene	888
Dolichos	867	Hedysarum	887
Glycine	868	Indigofera	889
Clitoria	869	Galega	890
Pisum	870	Phaca	891
Orobus	871	Astragalus	892
Lathyrus	872	Biserrula	893
Vicia	873	Pforalea	894
Ervum	874	Trifolium	896
Cicer	875	Lotus	897
Cytisus	877	Trigonella	898
Geoffroya	878	Medicago	899
Robinia	879	Mullera	1417

## XVIII.

## MANY BROTHERHOODS.

*(Polyadelphia.)*

## FIVE MALES.

*(Pentandria.)*

Theobroma	900
Monsonia	1268
Ambroma	1418

## TWENTY MALES.

*(Icosandria.)*

Citrus	901
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## MANY MALES.

*(Polyandria.)*

Melaleuca	1269
Hopea	1270
Glabraria	1320
Munchausia	1321
Symplocos	677
Hepericum	902
Afcyrum	903

XIX.

CONFEDERATE MALES.

(*Syngenesia.*)

EQUAL POLYGAMY.

(*Polygamia Æqualis.*)

Geropogon	904
Tragopogon	905
Scorzonera	906
Picris	907
Sonchus	908
Lactuca	909
Chondrilla	910
Prenanthes	911
Leontodon	912
Hieracium	913
Crepis	914
Andryala	915
Hyoferis	916
Seriola	917
Hypochæris	918
Lapsana	919
Catananche	920
Cichorium	921
Scolymus	922
Arctium	923
Serratulum	924
Carduus	925
Cnicus	926
Onopordon	927
Cynara	928
Carlina	929
Atractylis	930
Carthamus	931
Bidens	932
Cacalia	933
Ethulia	934
Eupatorium	935
Ageratum	936
Pteronia	837
Stæhelina	938
Chryfocoma	939
Tarchonanthus	940

Calea	941
Santolina	942
Athanasia	943
Barnadesia	1419

SUPERFLUOUS POLYGAMY.

(*Polygamia Superflua.*)

Tanacetum	944
Artemisia	945
Hippia	1324
Gnaphalium	946
Xeranthemum	947
Carpesium	948
Baccharis	949
Conyza	950
Erigeron	951
Tussilago	952
Senecio	953
Aster	954
Solidago	955
Cineraria	957
Inula	956
Arnica	958
Doronicum	259
Perdicium	960
Helenium	961
Bellis	962
Bellium	1322
Tagetes	964
Leysera	963
Zinnia	974
Pectis	965
Eclipta	1321
Chrysanthemum	966
Matricaria	967
Cotula	968
Anacyclus	969
Anthemis	970
Achillea	971

Tridax	972	Calendula	990
Amellus	978	Arctotis	901
Sigesbeckia	973	Osteospermum	992
Verbefina	975	Othonna	293
Bupthalmum	977	Erioccephalus	994
Unxia	1420	Filago	995
Mutifia	1421	Microfus	996

FRUSTRANEOUS POLY-  
GAMY.*(Polygamia Frustranea.)*

Helianthus	979
Rudbeckia	980
Coreopsis	981
Ofmites	983
Gorteria	982
Zœgæa	1271
Centaurea	984

## NECESSARY POLYGAMY.

*(Polygamia Necessaria.)*

Milleria	985
Baltimora	1323
Silphium	986
Polymnia	987
Chryfogonum	988
Melampodium	989

## SEPERATE POLYGAMY.

*(Polygamia Segretata.)*

Elephantopus	997
Shæranthus	998
Echinops	999
Gundelia	1000
Ædera	1325
Stœbe	1001
Jungia	1422

## MONOGAMY.

*(Monogamia.)*

Seriphium	1003
Strumpfia	1002
Corymbium	1004
Jafione	1005
Lobelia	1006
Viola	1007
Impatiens	1008

## XX.

## FEMININE MALES.

*(Gynandria.)*

## TWO MALES.

*(Diandria.)*

Orchis	1009
Satirium	1010
Ophrys	1011
Serapias	1012
Limodorum	1013
Arethufa	1014
Cypripedium	1015
Epidendrum	1016
Gunnera	1271
Difa	1423
Forftera	1424

## THREE MALES.

*(Triandria.)*

Sifyrinchium	1017
Ferraria	1018
Salacia	1326
Stilago	1273

## FOUR MALES.

*(Tetrandria.)*

Nepenthes	1019
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## FIVE MALES.

*(Pentandria.)*

Ayenia	1020
Gluta	1327
Passiflora	1021

SIX

SIX MALES.

(*Hexandria.*)

Aristolochia	1022
Pistia	1023

EIGHT MALES.

(*OEtandria.*)

Scopolia	1425
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TEN MALES.

(*Decandria.*)

Kleinovia	1024
Helicteres	1025

TWELVE MALES.

(*Dodecandria.*)

Cytinus	1232
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MANY MALES.

(*Polyandria.*)

Xylopia	1027
Grewia	1026
Ambrosinia	1238
Arum	1028
Dracontium	1029
Calla	1030
Pothos	1031
Zosteria	1032

XXI.

ONE HOUSE.

(*Monoecia.*)

ONE MALE.

(*Monandria.*)

Zannichellia	1034
Ceratocarpus	1035
Cynomorium	1003
Chara	1203
Elaterium	1036
Artocarpus	1426
Phyllachne	1427
Casuarina	1428
Ægopicon	1429

Omphalea	1039
Tragia	1048
Hernandia	1049
Phyllanthus	1050

FOUR MALES.

(*Tetrandria.*)

Centella	1051
Serpicula	1274
Littorella	1328
Cicca	1275
Betula	1052
Buxus	1053
Urtica	1054
Morus	1055

TWO MALES.

(*Diandria.*)

Anguria	1037
Lemna	1038

FIVE MALES.

(*Pentandria.*)

THREE MALES.  
(*Triandria.*)

Typha	1040
Sparganium	1041
Zea	1042
Tripsacum	1044
Coix	1043
Olyra	1045
Carex	1046
Axyris	1047

Nephelium	1277
Xanthium	1056
Ambrosia	1057
Parthenium	1058
Iva	1059
Clibadium	1329
Amaranthus	1060
Solandra	1061
Leea	1276

HEX-

46. GENERA OF CLASSES.

SIX MALES.		Thuya	1978
<i>(Hexandria.)</i>		Cupressus	1079
Zizania	1062	Plucknetia	1080
Pharus	1063	Delechampia	1081
SEVEN MALES.		Acalypha	1082
<i>(Heptandria.)</i>		Croton	1083
Guettarda	1064	Cupania	279
MANY MALES.		Jatropha	1084
<i>(Polyandria.)</i>		Ricinus	1085
Ceratophillum	1065	Sterculia	1086
Myriophillum	1066	Stillingia	1279
Sagittaria	1067	Hippomane	1088
Theligonum	1068	Hura	1087
Poterium	1069	Gnetum	1278
Begonia	1156	CONFEDERATE MALES.	
Quercus	1070	<i>(Syngenesia.)</i>	
Juglans	1071	Trichofanthes	1089
Fagus	1072	Momordica	1090
Carpinus	1073	Cucurbita	1091
Corylus	1074	Cucumis	1092
Platanus	1075	Bryonia	1093
Liquidambar	1076	Sicyos	1094
ONE BROTHERHOOD.		FEMININE MALES.	
<i>(Monodelphia.)</i>		<i>(Gynandria.)</i>	
Pinus	1077	Andrachne	1095
		Agyneja	1330

XXII.

TWO HOUSES.

*(Dioecia.)*

ONE MALE.		Osyris	1101
<i>(Monandria.)</i>		Reftio	1331
Najas	1096	Excoecaria	1102
Pandanus	1430	Caturus	1280
TWO MALES.		Maba	1431
<i>(Diandria.)</i>		FOUR MALES.	
Vallisneria	1097	<i>(Tetrandria.)</i>	
Cecropia	1099	Trophis	1103
Salix	1098	Batis	1104
THREE MALES.		Viscum	1105
<i>(Triandria.)</i>		Hippophae	1106
Empetrum	1100	Myrica	1107
		Montian	

Montinia	11432	TEN MALES.	
FIVE MALES.		(Decandria.)	
(Pentandria.)		Carica	1127
Pistacia	11108	Kiggelaria	1128
Zanthoxylum	11109	Schinus	1130
Astronium	11111	Coriaria	1129
Canarium	1281	TWELVE MALES.	
Antidesma	11110	(Dodecandria.)	
Irefine	11113	Datisca	1132
Spinacia	11112	Mehispermum	1131
Acnida	11114	Euclea	1434
Cannabis	11115	MANY MALES.	
Humulus	11116	(Polyandria.)	
Zanonnia	11117	Cliffortia	1133
Fevilleea	11118	Hedrycarya	1434
SIX MALES.		ONE BROTHERHOOD.	
(Hexandria.)		(Monadelphica.)	
Tamus	11119	Juniperus	1134
Smilax	11120	Taxus	1135
Rajania	11121	Ephedra	1136
Dioscorea	11122	Cissampelos	1138
Populus	11123	Adelia	1137
Rhodiola	11124	Napæa	836
EIGHT MALES.		CONFEDERATE MALES.	
(Octandria.)		(Syngenesia.)	
Margaritaria	1433	Rufcus	1139
NINE MALES.		FEMININE MALES.	
(Enneandria.)		(Gynandria.)	
Mercurialis	11125	Clutia	1140
Hydrocharis	11126		

XXIII.

POLYGAMIES.

ONE HOUSE.		(Polygamia.)	
(Monoecia.)		Manisuris	1334
Musa	1141	Ischæmum	1148
Ophioxylon	1142	Cenchrus	1149
Celtis	1143	Ægilops	1150
Veratrum	1144	Spinifex	1333
Andropogon	1145	Valantia	1151
Holcus	1146	Parietaria	1152
Apluda	1147	Hermas	1332
		Atriplex	1153
		Brabejum	160
		Terminalia.	

48.      G E N E R A   O F   C L A S S E S .

Terminalia	1283	Stilbe	1363
Clusia	1154	Anthospermum	1164
Acer	1155	Arctopus	1165
Govana	1157	Pisonia	1162
Mimosa	1158	Panax	1166
TWO HOUSES, ( <i>Diœcia.</i> )		Chrysitrix	1335
Gleditsia	1159	THREE HOUSES, ( <i>Trioœcia.</i> )	
Fraxinus	1160	Cerantonia	1167
Diospyrus	1161	Ficus	1168
Nyssa	1163		

XXIV.

CLANDESTINE MARRIAGES.

(*Cryptogamia.*)

FERNS.

Equisetum	1169	Hypnum	1195
Cycas	1222	Fontinalis	1190
Zamia	1227	Buxbaumia	1188
Onoclea	1170	Hedwigia	1435
Ophioglossum	1171	Pottia	1436
Osmunda	1172	Georgia	1437
Acrostichum	1173	Grinnia	1438
Polypodium	1179	Webera	1439
Hemionitis	1176	Catharinaea	1440
Asplenium	1178	Weiffia	1441
Blechnum	1175	Andreæa	1442
Lonchitis	1177		
Petris	1774		
Adiantum	1180		
Trichomanes	1181		
Marfilea	1182		
Pilularia	1183		
Isoetes	1184		

MOSSES.

(*Musci.*)

Lycopodium	1185		
Porella	1186		
Sphangum	1187		
Phascum	1189		
Splachnum	1191		
Polytrichum	1192		
Mnium	1193		
Bryum	1194		

FLAGS.

(*Algæ.*)

Marchantia	1198
Jungermania	1196
Targionia	1197
Anthoceros	1201
Blasia	1199
Riccia	1200
Lichen	1202
Byflus	1208
Tremella	1204
Ulva	1206
Fucus	1205
Conferva	1207

FUNGUSSES.

(*Fungi.*)

Agaricus	1209
Boletus	1210
Hydnum	



Hydnum	1211	Peziza	1215
Phallus	1212	Clavaria	1216
Clathrus	1213	Lycoperdon	1217
Helvella	1214	Mucor	1218

A P P E N D I X.

P A L M S.

(*palmae.*)

		Phœnix	1224
		Elais	1284
Chamærops	1219	Areca	1225
Borassus	1220	Elate	1226
Corypha	1221	Caryota	1228
Cocos	1223	Mauritia	1444

## ADVERTISEMENT.

**T**HE Editors intend as soon as possible, to publish a translation of the GENERA, and SPECIES PLANTARUM, and have therefore only given the *essential* characters, and *specific* distinctions of plants in this work; intending to put the references and observations into their proper places in the Species, and the natural characters from the Supplement into the Genera. The plants here introduced from the SUPPLEMENTUM PLANTARUM of the present Doctor LINNEUS are distinguished by *S.* after them; the new Genera are placed at the end of the Orders to which they belong, for the greater ease in turning to them; and the new Species inserted under their proper Genera. In the Classes ONE HOUSE, TWO HOUSES, and POLYGAMY, ♂ denotes the male flower, and ♀ the female.

CLASS I.  
ONE MALE.  
(*Monandria.*)

ONE FEMALE.  
(*Monogynia.*)

\* *Scitamineous*, beneath: Fruit cell'd beneath.

- |      |             |              |  |
|------|-------------|--------------|--|
| 2    | AMOMUM.     | <i>Corol</i> | 3-parted: lip egg'd.                                   |
| 1350 | RENEALMIA.  | <i>Cor.</i>  | 3-cleft: <i>Nectary</i> oblong.                        |
| 6    | CURCUMA.    | <i>Cor.</i>  | 4-parted: lip egg'd. <i>Stam.</i> 4 barren.            |
| 8    | THALIA,     | <i>Cor.</i>  | 5-parted: <i>Drupe</i> nucleus 2-cell'd.               |
| 1351 | MYROSMA.    | <i>Cor.</i>  | 5-parted, irregular. <i>Calyx</i> double.              |
| 5    | MARANTA.    | <i>Cor.</i>  | 5-cleft, grinning: lip 2-parted, large.                |
| 7    | KAEMPFERIA. | <i>Cor.</i>  | 6-parted: lip 2-parted, flat.                          |
| 1    | CANNA.      | <i>Cor.</i>  | 6-parted: lip 2-parted revolute. <i>Cal.</i> 3-leaved. |
| 4    | ALPINIA.    | <i>Cor.</i>  | 6-cleft bellied; 2 lateral lobes end-nick'd.           |
| 3    | COSTUS.     | <i>Cor.</i>  | grinning: lip 3-cleft: the middle end-nick'd.          |

† *Valeriana rubra*, *Calcitrapa*.

\* \* *One-seeded.*

- |    |             |                         |                                  |
|----|-------------|-------------------------|----------------------------------|
| 9  | BOERHAAVIA. | <i>Calyx</i> o.         | <i>Cor.</i> one petal'd, bell'd. |
| 11 | HIPPURIS.   | <i>Cal.</i> o.          | <i>Cor.</i> o.                   |
| 10 | SALICORNIA  | <i>Cal.</i> one-leaved. | <i>Cor.</i> o.                   |

TWO FEMALES.  
(*Digynia.*)

\* *Plants.*

- |                    |              |                |                        |                               |
|--------------------|--------------|----------------|------------------------|-------------------------------|
| 12                 | CORISPERMUM. | <i>Cal.</i> o. | <i>Cor.</i> 2-petal'd. | <i>Seed</i> 1.                |
| 13                 | CALLITRICHE. | <i>Cal.</i> o, | <i>Cor.</i> 2-petal'd. | <i>Capfule</i> 2-cell'd.      |
| 14                 | BLITUM       | <i>Cal.</i>    | 3-cleft berried.       | <i>Cor.</i> o. <i>Seed</i> 1. |
| * * <i>Grassy.</i> |              |                |                        |                               |
| 15                 | CINNA        | <i>Cal.</i>    | Glume 1-flower'd.      | <i>Cor.</i> Glume 2-valved.   |
| 1352               | MNIARUM.     | <i>Cal.</i>    | 3-parted, above.       | <i>Cor.</i> o. <i>Seed</i> 1. |

\* *Scitamineous* (*scitamineæ*) belonging to the 8th order in the Authors Fragments of a Natural Method. See Milne's Dict.

## O N E F E M A L E.

*(Monogynia,)*

1. CANNA. *Corol* 6-parted, erect; lip 2-parted, revolute. *Style* lanced, growing to the corol. *Calyx* 3-leaved.

*indica*. 1. C. leaves egg'd pointed at both ends nervy. *indian*.  
*angustifolia* 2. C. leaves lanced petioled nervy. *narrow-leaved*.  
*glauca* 3. C. leaves lanced petioled nerveless. *sea-green*.

2. AMOMUM. *Cor.* 4-cleft: first division expanding.

*Zingiber*. 1. A. scape naked, spike egg'd. *Ginger*.  
*Zerumbet*. 2. A. scape naked, spike oblong obtuse.  
*Cardamomum*. 3. A. scape very simple, very short, bractes alternate loose. *Cardamon*.  
*Granum Paradisi*. 4. A. scape branchy very short. *Grains of Paradise*.

3. COSTUS. *Cor.* interior part inflated, grinning: lower lip 3-cleft.

*arabicus*. 1. COSTUS. *arabian*.

4. ALPINIA. *Cor.* 6-cleft, bellied: three lobes expanding.

*racemosa*. 1. ALPINIA. *racemed*.

5. MARANTA. *Cor.* grinning, 5-cleft: two alternate divisions expanding.

*arundinacea*. 1. M. culm branchy. *reed*.  
*Galanga* 2. M. culm simple, leaves lanced subseffile.  
*comosa* 3. M. a tuft with leaflets reflected. *S.* *tufted*

6. CURCUMA. *Stamens* 4 barren, the fifth fertile.

*rotunda*. 1. C. leaves lance-egg'd; lateral nerves very few. *round*.  
*longa*. 2. C. leaves lanced: lateral nerves very numerous. *long*.

7 KAEMFERIA.

7. KAEMPFERIA. *Cor.* 6-parted: 3 larger divisions expanded, one 2-parted. *Stigma* 2-folded.

*Galanga.* 1. K. leaves egg'd sessile.  
*rotunda.* 2. K. leaves lanced petioled. *round.*

1. THALIA. *Cor.* 5-petal'd waved. *Drupe* with nucleus 2-cell'd.

*geniculata* 1. THALIA. *knotted.*

9. BOERHAAVIA. *Cal.* 0. *Cor.* 1-petal'd, bell'd, plaited. *Seed* 1. naked beneath. (*Stam* 1 or 2.)

*erecta.* 1. B. stem erect, smooth, flowers 2-male. *erect.*  
*diffusa.* 2. B. stem polish'd diffuse, leaves egg'd. *diffuse.*  
*hirsuta.* 4. B. stem diffuse pubescent, leaves egg'd scollop'd. *shaggy.*  
*scandens.* 3. B. stem erect, flower 2-male, leaves hearted acute. *climbing.*  
*repens.* 5. B. stem creeping. *creeping.*  
*angustifolia.* 6. B. leaves linear acute. *narrow-leaved.*

13. SALICORNIA. *Cal.* somewhat bellied, entire. *Petals* 0. *Seed* 1. *Glasswort.*

*herbacea.* 1. S. herbaceous expanded joints compress'd at the top, end-nick'd-two-cleft. *herbaceous.*  
*fruticosa.* 2. S. stem erect shrubby. *shrubby.*  
*virginica.* 3. S. herbaceous erect branches very simple. *virginian.*  
*arabica.* 4. S. joints obtuse thicken'd at the base, spikes egg'd. *arabian.*  
*arabica.* S. leaves alternate sheath-like, obtuse gaping on one side. S. *arabian.*  
*caspiica.* 5. S. shrubby, joints cylindrical, spikes thread-form. *caspiian.*  
*foliata.* 6. S. leaves linear alternate stem clasping-decurrent. S. *leaved.*

11. HIPPURIS *Cal.* 0. *Petals* 0. *Stigma* simple. *Seed* 1. *Marestail.*

*vulgaris.* 1. H. leaves eightfold awl'd. S. *common.*  
*tetraphylla.* 2. H. leaves fourfold oblong obtuse, S. *four-leav'd.*

54. ONE MALE ONE FEMALE. Renealmia.

1350. RENEALMIA. *Cor.* 3-cleft: *Nectary*  
oblong. *Cal.* 1-leav'd. *Anther* sessile  
opposite to the nectary. *Berry* fleshy.

*exaltata.* RENEALMIA. *S.*

*lofty,*

1351. MYROSMA. *Cor.* 5-parted, irregular. *Cal.*  
double: the exterior one 3-leaved;  
the inferior one 3-parted.

*cannæfolia.* MYROSMA. *S.*

*canna-leaved.*

## T W O F E M A L E S.

(*Digynia,*)

12. CORISPERMUM. *Cal.* 0. *Petals* 2. *Seed* 1,  
oval, naked. *Tickseed.*

*byssopifol.* 1. *C.* flowers lateral.

*byssop-leav'd.*

*squarrosum* 1. *C.* spikes ragged.

*ragged.*

13. CALLITRICHE. *Cal.* 0. *Petals* 2. *Capsule*  
2-cell'd, 4-feeded. *Stargrass.*

*verna.* 1. *C.* upper leaves oval, flowers androgynous.

*vernal.*

*autumnalis* 2. *C.* all the leaves linear two-cleft at the top, flowers her-  
maphrodite.

*autumnal,*

14. BLITUM. *Cal.* 3-cleft. *Petals* 0. *Seed* 1, calyx  
berried. *Blite.*

*capitatum.* 1. *B.* headlets spiked terminal.

*headed.*

*virgatum.* 2. *B.* headlets scatter'd lateral.

*twiggy.*

15. CINNA. *Cal.* glume 2-valved, 1-flower'd,  
*Cor.* glume 2-valved. *Seed* 1.

*arundinacea.* CINNA.

*reedy.*

1352. MNIARUM. *Cal.* 4-parted, above. *Cor.* 0,  
*Seed* 1.

*biflorum.* 1. MNIARUM. *S.*

*two-flower'd.*

CLASS

## CLASS II.

## TWO MALES.

(Diandria.)

## ONE FEMALE.

(Monogynia)

\* Flowers beneath, one-petal'd. regular.

- 20 OLEA. Cor. 4-cleft. *Drupe*.  
 21 CHIONANTHUS. Cor. 4-cleft: divisions very long.  
 19 PHILLYREA. Cor. 4-cleft: *Berry* 1-seeded.  
 18 LIGUSTRUM. Cor. 4-cleft. *Berry* 4-seeded.  
 22 SYRINGA. Cor. 4-cleft: divisions linear. *Capsule* two-cell'd.  
 23 ERANTHEMUM. Cor. 5-cleft: divisions inverse-egg'd, flat. *Capsule*.

17 JASMINUM. Cor. 5-cleft. *Berry* 2-grain'd.16 NYCTANTHES. Cor. 8-cleft. *Berry* 2-grain'd.\*\* Flowers beneath, 1-petal'd, irregular, *Fruit* capsuled.26 PÆDEROTA. Cor. 4-cleft. *Cal.* five-parted.

25 VERONICA. Cor. border 4-parted: inferior division narrower.

29 GRATIOLA. Cor. 4-cleft irregular. *Stam.* 4: 2 barren.1233 SCHWENKIA. Cor. subequal: mouth star-plaited, glandular. *Stam.* 3 barren.27 JUSTICIA. Cor. grinning. *Capsule* claw elastic.28 DIANTHERA. Cor. grinning. *Anthers* 2 on each filament.1288 CALCEOLARIA. Cor. grinning, inflated. *Cal.* 4-cleft.30 PINGUICULA. Cor. grinning, spur'd. *Cal.* 5-cleft.31 UTRICULARIA. Cor. grinning, spur'd. *Cal.* 2-leaved.† *Bignonia Catalpa*.\*\*\* Flowers beneath, one-petal'd, irregular. *Fruit* seed-naked.32 VERBENA. Cor. subequal. *Cal.* highest division shorter.33 LYCOPUS. Cor. subequal. *Stam.* distant.

34 AMETHYSTEA. Cor. subequal: lowest division concave.

36 ZIZIPHORA. Cor. grinning: helmet reflected. *Cal.* thread-form.

37 MONARDA

- 37 MONARDA, Cor. grinning: helmet linear infolding the fructification.
- 38 ROSMARINUS. Cor. grinning: helmet sickled. Stam. curved.
- 39 SALVIA. Cor. grinning: Filaments transversly pedicel'd.
- 35 CUNILA Cor. grinning: helmet flat. Stam. 4: 2. rudiments.
- 40 COLLINSONIA. Cor. almost grinning: with lip capillary-many-cleft.
- \*\*\*\* Flowers beneath, four-petal'd.
- 1353 THOUINIA. Cal. 4-parted: Anthers sessile.
- \*\*\*\* Flowers beneath, five-petal'd.
- 1240 DIALIUM. Cal. 0. Petals 5.
- \*\*\*\* Flowers above.
- 41 MORINA. Cal. of the fruit tooth-awn'd; of the flower 2-cleft.
- 24 CIRCÆA. Cal. 2-leaved. Cor. 2-petal'd, inverse-hearted.
- 1287 GLOBBA. Cal. 3-cleft. Cor. 3-cleft. Capsule 3-cell'd.
- 1354 ANCISTRUM. Cal. 4-awn'd. Cor. 5-cleft.
- † *Valeriana Cornucopiæ.*  
*Boerhaavia 2-male, climbing, erect.*

## T W O F E M A L E S.

( *Digynia.* )

- 42 ANTHOXANTHUM. Cal. Glume 1-flower'd, oblong. Cor. Glume awn'd.

## T H R E E F E M A L E S.

( *Trigynia.* )

- 43 PIPER. Cal. 0. Cor. 0. Berry 1-seeded.



ONE FEMALE.

(*Monogynia.*)

16. NYCTANTHES. *Corol* 8-cleft. *Cal.* 8-cleft.  
*Pericarp* 2-grain'd.

- arbor tristis.* 1. N. stem four-corner'd, leaves egg'd pointed, pericarps  
membranous compress'd. *sorrowful tree.*
- Sambac.* 2. N. inferior leaves hearted obtuse, superior ones egg'd  
acute.
- undulata.* 3. N. leaves egg'd pointed waved, branches columnar.  
*waved.*
- hirsuta.* 4. N. petioles and peduncles villous. *shaggy.*
- angustifolia.* 5. N. leaves obtuse lanced and egg'd. *narrow-leaved.*
- elongata,* 6. N. leaves hearted lanced acute elongated and smaller,  
branches columnar. *S. elongated.*
- glauca.* 7. N. stem columnar, leaves lanced acute three-nerved  
peduncles three-cleft. *S. sea-green.*

17. JASMINUM. *Cor.* 5-cleft. *Berry* 2-grain'd.  
*Seed* aril'd. *Antbers* within the Tube.  
*Jasmine.*

- officinale.* 1. J. leaves opposite : leaflets distinct. *officinal.*
- grandiflorum.* 2. J. leaves opposite feather'd : the utmost leaflets con-  
fluent. *great-flower'd.*
- azoricum.* 3. J. leaves opposite three'd. *azorian.*
- fruticans.* 4. J. leaves alternate three'd and simple, branches an-  
gled. *shrubby.*
- humile.* 5. J. leaves alternate acutish three'd and feather'd,  
branches angled. *humble.*
- odoratissimum.* 6. J. leaves alternate obtuse three'd and feathered,  
branches columnar. *most fragrant.*

18. LIGUSTRUM. *Cor.* 4-cleft. *Berry* four-seeded.  
*vulgare.* 1. LIGUSTRUM. *common.*

19. PHILLYREA. *Cor.* 4-cleft. *Berry* one-seeded.  
*Privet.*

- media.* 1. P. leaves egg-lanced very intire. *middle-size*
- angustifolia.* 2. P. leaves linear-lanced most intire. *narrow-leaved.*
- latifolia.* 3. P. leaves egg-hearted saw'd. *broad leaved.*

H

20 OLEA.

58. TWO MALES. ONE FEMALE. Olea.

20. OLEA. *Cor.* 4-cleft: divisions nearly egg'd.  
*Drupe* one-seeded. *Olive.*

<i>europaea.</i>	1. O. leaves lanced.	<i>european.</i>
<i>capensis.</i>	2. O. leaves egg'd.	<i>cape.</i>
<i>americana.</i>	3. O. leaves lance-elliptic.	<i>american.</i>

21. CHIONANTHUS. *Cor.* 4-cleft: divisions very long, Nucleus of the *Drupe* striated.

<i>virginic.</i>	1. C. peduncles three-cleft three-flower'd.	<i>virginian.</i>
<i>zeylanic.</i>	2. C. peduncles panicled many flower'd.	<i>ceylon.</i>

22. SYRINGA. *Cor.* 4-cleft. *Capsf.* two-cell'd. *Lilac.*

<i>vulgaris.</i>	1. S. leaves egg-hearted.	<i>common.</i>
<i>persica.</i>	2. S. leaves lanced.	<i>persian.</i>

1240. DIALIUM. *Cor.* 5-petal'd. *Cal.* none. *Stamens* on the upper side.

<i>indum.</i>	1. DIALIUM.	<i>indian.</i>
---------------	-------------	----------------

23. ERANTHEMUM. *Cor.* 5-cleft: tube thread-form. *Anthers* out of the tube. *Stigma* simple. *Fruit.*

<i>capense.</i>	1. E. leaves lance-egg'd petioled.	<i>cape.</i>
<i>angustifol.</i>	E. leaves linear remote expanded.	<i>narrow leaved.</i>
<i>parvifolium.</i>	E. leaves egg-linear imbricated.	<i>small-leaved.</i>
<i>Salsoloides.</i>	E. shrubby, leaves fleshy roundish linear very smooth, racemes axillary and calyxes pubescent, tube recurved. <i>S.</i>	<i>Salsola-like.</i>

24. CIRCÆA. *Cor.* two-petal'd. *Cal.* 2-leaved, above. *Seed* 1. two-cell'd.

<i>lutetiana.</i>	1. C. stem erect, racemes numerous, leaves egg'd.	<i>parisian.</i>
<i>alpina.</i>	2. C. stem prostrate, raceme single, leaves hearted.	<i>alpine.</i>

25. VERO-

25. VERONICA, Cor. Border 4-parted, lowest division narrower. Capsule two-cell'd. Speedwell.

\* Spiked.

- sibirica*. 1. V. spikes terminal, leaves sevenfold verticil'd, stem shaggyish. *siberian*.
- virginica*. 2. V. spikes terminal, leaves fourfold and fivefold. *virginian*.
- spuria*. 3. V. spikes terminal, leaves threefold equally saw'd. *spurious*.
- maritima*. 4. V. spikes terminal, leaves threefold unequally saw'd. *sea*.
- longifolia*. 5. V. spikes terminal, leaves opposite lanced saw'd pointed. *long-leaved*.
- incana*. 6. V. spikes terminal, leaves opposite notch'd obtuse, stem erect downy. *hoary*.
- spicata*. 7. V. spike terminal, leaves opposite notch'd obtuse, stem ascending most simple. *spiked*.
- hybrida*. 8. V. spikes terminal, leaves opposite obtusely saw'd rugged, stem erect. *mule*.
- pinnata*. 9. V. spike terminal, leaves linear tooth-feather'd, stems prostrate. *feather'd*.
- officinalis*. 10. V. spikes lateral peduncled, leaves opposite, stem procumbent. *officinal*.

\*\* *Corymbe-racemed*.

- aphylla*. 10. V. corymbe terminal, scape naked. *leafless*.
- bellidoid*. 11. V. corymbe terminal, stem ascending two-leaved, leaves obtuse notch'd, calyxes shaggy. *daisy-like*.
- fruticulosa*. 12. V. corymbe terminal, leaves lanced obtusifish notch'd, stems shrubbyish. *shrubbyish*.
- alpina*. 13. V. corymbe terminal, leaves opposite, calyxes hispid. *alpine*.
- saxatilis*. V. corymbe terminal, leaves opposite smoothish, peduncles surpassing the floral leaves. *S. rock*.
- serpyllifol*. 14. V. raceme terminal subspiked, leaves egg'd smooth notch'd. *thyme-leaved*.
- Beccabunga*. 15. V. racemes lateral, leaves egg'd flat, stem creeping. *Brooklime*.
- Anagallis*. 16. V. racemes lateral, leaves lanced saw'd, stem erect.
- scutellat*. 17. V. racemes lateral alternate: pedicels pendulous, leaves linear most intire. *shield-like*.

60. TWO MALES. ONE FEMALE. Veronica.

- Teucrium*. 18. V. racemes lateral very long, leaves egg'd wrinkled tooth'd obtusifish, stems procumbent
- pilosa*. 23. V. racemes subspliked, leaves egg'd obtuse, plaited, stem prostrate hairy. *hairy.*
- prostrata*. 22. V. racemes lateral, leaves oblong-egg'd saw'd, stems prostrate. *prostrate.*
- pectinata*. 35. V. racemes lateral leafy, leaves oblong comb-saw'd, stems prostrate. *comb-like.*
- montana*. 21. V. racemes lateral few flower'd, calyxes shaggy, leaves egg'd wrinkled notch'd petioled, stem weak.
- montana*. V. racemes lateral elongated thread-form, leaves egg'd petioled obtuse grossly saw'd, stem and petioles shaggy. *S. mountain.*
- Kamtschatica*. V. shaggy, raceme three-flower'd elongated lateral leafless, leaves egg'd or oblong saw'd shaggy: with hairs jointed. *S. Kamtschatka.*
- Chamædrys*. 23. V. racemes lateral, leaves egg'd sessile wrinkled tooth'd, stem two-faced hairy. *Germander.*
- austriaca*, 19. V. racemes lateral, leaves linear-lanced, feather-tooth'd. *austrian.*
- multifida*. 20. V. racemes lateral, leaves many-parted, jagged, stems erect. *many-cleft.*
- latifolia*. 34. V. racemes lateral, leaves hearted wrinkled tooth'd, stem upright. *broad-leaved.*
- paniculata*. 25. V. racemes lateral most long, leaves lanced three-fold saw'd, stem ascending. *panicled.*
- Urticæ-folia*. V. racemes lateral, leaves egg-lanced shaggy sharply saw'd, stem erect. *S. nettle-leaved.*

\*\*\* *Peduncles one-flower'd.*

- agrestis*. 26. V. flowers solitary, leaves hearted gashed shorter than the peduncle. *wild.*
- arvensis*. 27. V. flowers solitary, leaves hearted gash'd longer than the peduncle. *field.*
- hederæ-folia*. 28. V. flowers solitary, leaves hearted flat five-lobed. *ivy-leaved.*
- triphyllos*. 29. V. flowers solitary, leaves finger-parted, peduncles longer than the calyx. *three-leaved.*
- verna*. 30. V. flowers solitary, leaves finger-parted, peduncles shorter than the calyx, *vernal*
- romana*. 31. V. flowers solitary subsessile, leaves oblong somewhat tooth'd, stem erect. *roman.*
- acinifolia*. 32. V. flowers solitary peduncled, leaves egg'd smooth notch'd, stem erect hairyish. *acinus-leaved.*

- peregrina*. 33. V. flowers solitary sessile, leaves lance-linear smooth obtuse most intire, stem erect. *foreign.*  
*marilandica*. 34. V. flowers solitary sessile, leaves linear, stems diffuse. *Maryland.*

26. PÆDEROTA. *Cor.* 4-cleft. *Cal.* 5-parted.  
*Capsf.* two-cell'd.

- bonæ spei*. 1. P. leaves feather'd. *cape.*  
*Azeria*. P. leaves saw'd: the inferior ones alternate,  
*Eonarota*. 2. P. leaves saw'd opposite.  
*caerulea*. P. upper lip of the corols undivided. *S. blue.*  
*lutea*. P. upper lip of the corols two-cleft. *S. yellow.*

27. JUSTICIA. *Cor.* grinning: *Capsf.* two-cell'd,  
 bursting with an elastic claw. *Stamens*  
 with a singular anther.

\* *Shrubby.*

- Adhadota*. 1. J. arboresecent, leaves lance-egg'd, bractes egg'd permanent, helmet of the corols concave.  
*Ecbolium*. 2. J. shrubby, leaves lance-egg'd, spikes four-corner'd, bractes egg'd fringed, helmet of the corols reflected.  
*Betonica*. 6. J. shrubby, leaves lance-egg'd, bractes egg'd pointed vein-netted colour'd. *Betony.*  
*scorpioides*. 4. J. shrubby, leaves lance-egg'd shaggy sessile, spikes recurvated. *scorpion-like.*  
*picta*. 5. J. shrubby, leaves lance-egg'd painted, corols inflated in the throat. *painted.*  
*infundibuliform*. 3. J. shrubby, leaves lance-egg'd fourfold, bractes lanced fringed. *funnel-form.*  
*spinosa*. 19. J. shrubby, spikes axillary, peduncles lateral. *thorny.*  
*fastuosa*. J. shrubby, leaves elliptical, thyrses terminal. *fastuous.*  
*sessilis*. 20. J. shrubby, flowers axillary sessile. *sessile.*  
*hyssopifolia*. 7. J. shrubby, leaves lanced most intire, peduncles three-flower'd two-edged, bractes shorter than the calyx. *hyssop-leaved.*  
*Pulcherrima*. J. shrubby, leaves egg'd pointed at both ends petioled, spikes terminal four-corner'd erect, bractes egg'd. *S. Very beautiful.*  
*Tranquebarensis*. J. shrubby, stem columnar, leaves orbicular, spikes terminal flowers solitary, bractes inverse-heart-ed. *S. Tranquebar.*  
 J.

62, TWO MALES. ONE FEMALE. *Justicia*.

- Orchioides*. J. shrubby, leaves egg'd sessile, flowers axillary foli-  
tary peduncled. S. *orchislike*
- Grandarufa*. J. shrubby, smooth, leaves lanced elongated, spikes  
verticil'd. S.

\* \* *Herbaceous*.

- procumbens*. 8. J. leaves lanced most intire, spikes terminal and late-  
ral alternate, bractes bristly, stem procumbent. *procumbent*.
- peclinata*. 9. J. diffuse, spikes axillary sessile downy one-rank'd im-  
bricated on the back : bractes half-lanced. *comb.*
- repens*. 10. J. leaves egg'd somewhat notch'd, spikes terminal,  
bractes lanced, stem creeping. *creeping*.
- chinensis*. 11. J. herbaceous, leaves egg'd, flowers lateral, peduncles  
three flower'd, bractes oval. *chinese*.
- echioides*. 12. J. leaves lance-linear obtuse sessile, racemes ascending-  
one-rank'd, bractes bristly. *echium-like*.
- sexangularis*. 13. J. leaves egg'd most intire, bractes wedge-form, bran-  
ches six-angled. *six-angled*.
- carthagi-  
nensis*. 21. J. leaves lance-oval, flowers spiked, bractes oblong-  
wedged. *carthaginian*.
- assurgens*. 14. J. leaves egg'd most intire, bractes awl'd, branches  
six-corner'd. *arising*.
- nasuta*. 15. J. leaves lance-egg'd most intire, peduncles two-fork'd.  
*nosed*.
- bivalvis*. 17. J. leaves lance-egg'd, peduncles six-flower'd : lateral  
pedicels two-flower'd, bractes egg'd parallel'd.  
*two-valved*.
- purpurea*. 16. J. leaves egg'd dagger'd at both ends most intire  
smooth, stem knotted, spikes one-ranked. *purple*.
- gangetica*. 18. J. leaves egg'd, racemes simple long, flowers alter-  
nate one rank'd, bractes obscure. *ganges*.
- acaulis*. J. stemless. S. *stemless*.
- ciliaris*. J. herbaceous, leaves lanced, flowers opposite sessile,  
bractes and calyxes bristly hispid longer than the  
flower. S. *fringed*.
- verticillaris*, J. villous, leaves egg'd intire, flowers axillary verti-  
cil'd sessile. S. *verticil'd*.

28. DIANTHERA. *Cor.* grinning. *Capsule* two-cell'd bursting with an elastic claw : each *Stamen* with two alternate *anthers*.

- americana*. 1. D. spikes solitary alternate. *american*  
*comata*. 2. D. spikes thread-form verticil'd ; the inferior ones *tufted*.  
*malabarica*. D. flowers panicled, pedicels two-or three-cleft, flowers two-calyced : the dorsal division larger. *S. malabar.*

29. GRATIOLA. *Cor.* irregular, resupine. *Stamens* 2, barren. *Capsule* 2-cell'd. *Cal.* 7-leaved : the 2 exterior expanded.

- officinalis*. 1. G. leaves lanced saw'd, flowers peduncled. *officinal*.  
*Monnieria*. 2. G. leaves oval-oblong, peduncles one-flower'd, stem-creeping.  
*rotundifolia*. G. leaves egg'd three-nerved. *round-leaved*.  
*hyssopioides*. G. leaves lanced somewhat saw'd shorter than the stem-joint, *hyssoplike*.  
*virginica*. 3. G. leaves lanced obtuse somewhat tooth'd. *virginian*.  
*peruviana*. 4. G. flowers sessile. *peruvian*.

1233. SCHWENKIA. *Cor.* subequal, the throat plaited glandular. *Stam.* 3 barren. *Caps.* 2-cell'd, many seeded.

- americana*. 1. SCHWENKIA. *american*.

1288. CALCEOLARIA. *Cor.* grinning, inflated. *Caps.* 2-cell'd, 2-valved. *Cal.* 4-parted, equal.

- pinnata*. C. leaves feather'd. *feather'd*  
*perfoliata*. C. leaves leaf-pierced spatule-arrow'd. *S. leaf-pierced*.  
*integrifolia*. C. leaves undivided.  
*integrifolia*. C. leaves egg'd undivided saw'd. *S. intire-leaved*.

64. TWO MALES. ONE FEMALE. *Pinguicula.*

30. PINGUICULA. *Cor.* grinning, spur'd. *Cal.* two-lip'd, 5-cleft. *Capsf.* one-cell'd. *Butterwort.*

- |                    |  |                  |
|--------------------|--|------------------|
| <i>lusitanica.</i> | 1. P. nectary thicken'd at the top.                | <i>portugal.</i> |
| <i>vulgaris.</i>   | 2. P. nectary cylindrical the length of the petal. | <i>common.</i>   |
| <i>alpina.</i>     | 3. P. nectary conical shorter than the petal.      | <i>alpine.</i>   |
| <i>villosa.</i>    | 4. P. scape subvillous.                            | <i>villous.</i>  |

31. UTRICULARIA. *Cor.* grinning, spur'd. *Cal.* 2-leaved, equal. *Capsf.* one-cell'd.

- |                   |  |                   |
|-------------------|--|-------------------|
| <i>alpina.</i>    | 1. U. nectary awl'd, leaves egg'd most intire.             | <i>alpine.</i>    |
| <i>foliosa.</i>   | 2. U. nectary conical, fruit bowing, roots without blades. | <i>leafy.</i>     |
| <i>vulgaris.</i>  | 3. U. nectary conical, scape few-flower'd                  | <i>common.</i>    |
| <i>minor.</i>     | 4. U. nectary keel'd.                                      | <i>less.</i>      |
| <i>subulata.</i>  | 5. U. nectary awl'd.                                       | <i>awl'd.</i>     |
| <i>gibba.</i>     | 6. U. nectary gibbous.                                     | <i>gibbous.</i>   |
| <i>bifida.</i>    | 7. U. scape naked two-cleft.                               | <i>two-cleft.</i> |
| <i>cærulea.</i>   | 8. U. scape naked : scales alternate straggling awl'd.     | <i>blue.</i>      |
| <i>stellaris.</i> | U. verticil of the bractes bladderly fringed. S.           | <i>starry.</i>    |

32. VERBENA. *Cor.* funnel-form, subequal, curved. With the single tooth of the *Calyx* lop'd, *Seeds* 2 or 4. naked. (*Stam.* 2 or 4.) *Vervain.*

- |                       |  |                        |
|-----------------------|--|------------------------|
| <i>orbica.</i>        | 1. V. two-male, spikes longest leafy.  | <i>orbicular.</i>      |
| <i>indica.</i>        | 2. V. two-male, spikes longest fleshy naked, leaves lance-egg'd, obliquely tooth'd, stem polish'd. | <i>indian.</i>         |
| <i>jamaicensis.</i>   | 3. V. two-male, spikes longest, fleshy naked, leaves spatule-egg'd, saw'd, stem shaggy.            | <i>jamaica.</i>        |
| <i>prismatica.</i>    | 5. V. two-male, spikes loose, calyxes alternate prismatic lop'd awn'd, leaves egg'd, obtuse.       | <i>prismatic.</i>      |
| <i>mexican.</i>       | 6. V. two-male, spikes loose, calyxes of the fruit reflected twin-rounded hispid.                  | <i>mexican.</i>        |
| <i>lappulacea.</i>    | 7. V. four-male, calyxes roundish erectish, seeds hedgehog'd.                                      | <i>burry.</i>          |
| <i>curassavica.</i>   | 8. V. two-male, spikes long, calyxes awn'd, leaves egg'd saw'd.                                    | <i>curassa.</i>        |
| <i>stæchadifolia.</i> | 4. V. two-male, spikes egg'd, leaves lanced saw-plaited, stem shrubby.                             | <i>stæchys-leaved.</i> |
|                       |  | 9. V.                  |



- nodiflora.* 9. V. four-male, spikes cone-headed, leaves saw'd, stem-creeping. *knot-flowering.*
- bonariensis.* 10. V. four-male, spikes fascicled, leaves lanced stem clasping. *bologna.*
- hastata.* 11. V. four-male, spikes long pointed, leaves halberted, *halberted.*
- caroliniana.* 12. V. four-male, spikes thread-form, leaves undivided lanced saw'd obtusifish subseffile. *carolina.*
- urticifolia.* 13. V. four-male, spikes thread-form panicled, leaves undivided egg'd saw'd acute petioled. *nettle-leaved.*
- spuria.* 14. V. four-male, spikes thread-form, leaves many-cleft-jagged, stems numerous *spurious.*
- officinalis.* 15. V. four-male, spikes thread-form panicled, leaves many-cleft-jagged, stem solitary. *officinal.*
- supina.* 16. V. four-male, spikes thread-form solitary, leaves twice-feather-cleft. *supine.*
- Aulbetia.* V. four-male, spikes solitary, corols fascicled, leaves hearted, gash-saw'd *S.*

33. LYCOPUS. *Cor.* 4-cleft: one division end-nick'd. *Stamens* distant. *Seeds* 4. retuse.

- europaeus.* 1. L. leaves sinuous-saw'd *european.*
- virginicus.* 2. L. leaves equally saw'd. *virginian.*
- exaltatus.* L. leaves feather-cleft-saw'd at the base. *S. lofty.*

34. AMETHYSTEA. *Cor.* 5-cleft: lowest division more expanding. *Stam.* approximated. *Calyx* almost bell'd. *Seeds* 4, gibbous.

- caerulea.* 1. AMETHYSTEA, *blue.*

35. CUNILA. *Cor.* grinning: upper lip erect, flat. two *Filaments* castrated *Seeds* 4.

- mariana.* 1. C. leaves egg'd saw'd, corymbes terminal two-fork'd, *forked.*
- pulegioides.* 2. C. leaves oblong twice-tooth'd, flowers verticil'd. *pen-nyroyal-like.*
- thymoid.* 3. C. leaves oval most intire, flowers verticil'd, stem four-corner'd. *thyme-like.*
- capitata.* C. leaves egg'd, flowers terminal, umbel roundish. *beaded.*
- S.*

66. TWO MALES. ONE FEMALE. Ziziphora.

36. ZIZIPHORA. *Cor.* grinning: upper lip reflected, intire. *Cal.* thread-form, *Seeds* 4.

- |                   |       |  |                     |
|-------------------|-------|--|---------------------|
| <i>capitata.</i>  | 1. Z. | fascicles terminal, leaves egg'd.  | <i>headed.</i>      |
| <i>hispanica.</i> | 2. Z. | flowers raceme-spiked, bractes inverse-egg'd nerved acute, leaves egg'd. | <i>spanish.</i>     |
| <i>tenuior.</i>   | 3. Z. | flowers lateral, leaves egg'd.   | <i>slenderer.</i>   |
| <i>acinoides.</i> | 4. Z. | flowers lateral, leaves egg'd.   | <i>acinos-like.</i> |

37. MONARDA. *Cor.* unequal: upper lip linear involving the filaments. *Seeds* 4.

- |                   |       |   |                          |
|-------------------|-------|---|--------------------------|
| <i>fistulosa.</i> | 1. M. | heads terminal, stem obtuse-angled.                                   | <i>piped.</i>            |
| <i>didyma.</i>    | 2. M. | flowers headed almost like the class of TWO POWERS stem acute-angled. | <i>twin.</i>             |
| <i>clinopod.</i>  | 3. M. | flowers headed, leaves most polish'd saw'd.                           | <i>clinopodium-like.</i> |
| <i>punctata.</i>  | 4. M. | flowers verticil'd, corols dotted, bractes colour'd.                  | <i>dotted.</i>           |
| <i>ciliata.</i>   | 5. M. | flowers verticil'd, corols longer than the involucre.                 | <i>fringed.</i>          |

38. ROSMARINUS. *Cor.* unequal, upper lip two-parted. *Filaments* long, curved, simple with a tooth. *Rosemary.*

- |                     |                |                   |
|---------------------|----------------|-------------------|
| <i>officinalis.</i> | 1. ROSMARINUS. | <i>officinal.</i> |
|---------------------|----------------|-------------------|

39. SALVIA. *Cor.* unequal. *Filaments* affix'd to the pedicel transversely. *Sage.*

- |                     |       |  |                       |
|---------------------|-------|--|-----------------------|
| <i>egyptiac.</i>    | 1. S. | leaves lanced, toothletted, flowers peduncled.   | <i>egyptian.</i>      |
| <i>cretica.</i>     | 2. S. | leaves lanced, calyxes two-leaved.   | <i>cretan.</i>        |
| <i>lyrata.</i>      | 3. S. | root-leaves lyred tooth'd, helmet of the corols shortest.                                  |                       |
| <i>officinalis.</i> | 4. S. | leaves lance-egg'd intire fine-notch'd, flowers spiked, calyxes acute.                     | <i>officinal.</i>     |
| <i>pomifera.</i>    | 5. S. | leaves lance-egg'd intire fine-notch'd, flowers spiked, calyxes obtuse.                    | <i>pome-bearing.</i>  |
| <i>urticifolia.</i> | 6. S. | leaves egg-oblong double-saw'd, calyxes three-tooth'd: the highest division three-tooth'd. | <i>nettle-leaved.</i> |

- ferotina.* 38. S. leaves hearted saw'd soft, flowers raceme-spiked. corols scarcely exceeding the calyx. *late.*
- viridis.* 6. S. leaves oblong notch'd; helmet of the corols semi-orbicular, calyxes fruit-bearing reflected. *green.*
- Horminum.* 8. S. leaves obtuse notch'd; highest bractes barren larger colour'd. *Clary.*
- sylvestris.* 9. S. leaves heart-lanced waved double-saw'd spotted acute; bractes colour'd shorter than the flower, *wood.*
- nemorosa.* 10. S. leaves heart-lanced saw'd flat, bractes colour'd, under lip of the corol reflected. *grove.*
- syriaca.* 18. S. leaves hearted tooth'd: the inferior ones scollop'd, bractes hearted short acute, calyxes downy. *syrian.*
- hæmatodes.* 11. S. leaves heart-egg'd wrinkled downy, calyxes hispid, roots tuberous.
- pratensis.* 12. S. leaves heart-oblong notch'd: the highest stem-clasping, verticils almost naked, corols glutinous on the helmet. *meadow.*
- indica.* 21. S. leaves hearted lateral lobed: the highest sessile verticils almost naked remotest. *indian.*
- dominica.* 13. S. leaves hearted obtuse notch'd downyish; corols narrower than the calyx. *dominical.*
- Verbenaca.* 14. S. leaves saw'd sinuous somewhat polish'd, corols narrower than the calyx. *vervain.*
- clandestina.* 15. S. leaves saw'd feather-cleft most wrinkled, spike obtuse; corols narrower than the calyx. *clandestine.*
- pyrenaica.* 16. S. leaves obtuse gnaw'd; stamens twice as long as the corol. *pyrennean.*
- difermas.* 17. S. leaves heart-oblong gnaw'd; stamens equalling the corol.
- mexicana.* 19. S. leaves egg'd pointed at both ends saw'd. *mexican.*
- hispanica.* 20. S. leaves egg'd, petioles dagger'd at both ends, spikes imbricated, calyxes three-cleft. *spanish.*
- verticillata.* 22. S. leaves hearted notch-tooth'd, verticils almost naked style incumbent on the under lip of the corol. *verticil'd.*
- glutinosa.* 23. S. leaves heart-arrow'd saw'd acute. *glutinous.*
- canariensis.* 24. S. leaves halbert-triangular oblong notch'd obtuse. *canaries.*
- africana.* 25. S. leaves roundish saw'd: lop'd at the base tooth'd. *african.*
- aurea.* 26. S. leaves roundish most intire: lop'd at the base tooth'd. *golden.*
- colorata.* 33. S. leaves elliptic very intire downy, calyx with border membranous colour'd. *colour'd*

68. TWO MALES ONE FEMALE. *Salvia*.

- paniculata*. 34. S. leaves inverfe-egg-wedge-form toothletted naked, stem shrubby. *panicled.*
- acetabulofa*. 35. S. leaves inverfe-egg'd tooth'd, calyxes bell'd expanding hairy, stem shrubbyish. *cup'd.*
- spinofa*. 36. S. leaves oblong fcollop'd, calyxes thorny, bractes hearted dagger'd concave. *thorny.*
- Slarea*. 27. S. leaves wrinkled hearted oblong villous faw'd, bractes colour'd longer than the calyx concave pointed.
- ceratophylla*. 30. S. leaves wrinkled feather-cleft woolly, higheft verticils barren. *horn-leaved.*
- Æthiopsis*. 29. S. leaves oblong gnaw'd woolly, verticils woolly, lip of the corol notch'd, bractes recurvate thornyish. *Æthiop.*
- pinnata*. 31. S. leaves lyre-feather'd *feather'd.*
- argentea*. 28. S. leaves oblong tooth-angled woolly, higheft verticils barren: bractes concave, *filvery.*
- ceratophal-* 37. S. leaves feather-cleft wrinkled villous, stem panicled *horn-leaf-like.*  
*loides.*
- Forfkoblei*. 37. S. leaves lyre-ear'd, stem almost leaflefs, helmet of the corol half two-cleft.
- nutans*. 32. S. leaves hearted gafh'd unequally at the bafe, stem naked, fpikes bowing before florefcence. *nodding.*
- Abyffinica*. S. leaves heart-egg'd wrinkled gnaw'd, bractes moft intire fmoth. *S.*
- triloba*. S. downy, leaves petioled moft wrinkled three-lobed: the intermediate lobe protruded oblong; lateral ones egg'd obtufe. *S. three-lobed.*
- coccinea*. S. leaves hearted egg'd acute faw'd very foftly downy underneath, raceme terminal verticil'd. *S. fcarlet.*
- aurita*. S. villous, leaves egg'd tooth'd ear'd, flowers verticil-fpiked. *S. ear'd*
- fcabra*. S. rugged, leaves lyred tooth'd wrinkled, stem panicled branchy. *S. rugged.*
- runcinata*. S. rugged, leaves runcinate-feather-cleft tooth'd, flowers fpiked verticil'd. *S. runcinated.*

40. COLLINSONIA. *Cor.* unequal: under lip many-cleft, capillary. *Seed* 1. perfect.

*canadenfis*. I. COLLINSONIA. *canadian.*

41. MORINA.

41. MORINA. *Cor.* unequal. *Cal.* of the fruit one-leaved, tooth'd. *Cal.* of the flower two-cleft. *Seed* 1. under the calyx of the flower.

*persica.* I. MORINA. *persian.*

1353. THOUINIA. *Cor.* beneath, four-petal'd, *Cal.* four-parted. *Anthers* sessile.

*nutans.* I. THOUINIA. *S.* *nodding.*

1287. GLOBBA. *Cor.* equal, three-cleft. *Cal.* above three-cleft. *Capsf.* three-cell'd *Seeds* numerous.

*marantina.* G. spike terminal erect. *maratine.*  
*nutans.* G. spike terminal pendulous. *nodding.*  
*uviformis,* G. spike lateral. *grape-form.*

1354. ANCISTRUM. *Cal.* four-awn'd: *awns* terminated with cross'd barbs. *Cor.* 4-cleft. *Stigma* pencil'd.

*sanguisorbæ.* ANCISTRUM. *S.*

T W O F E M A L E S.  
 ( *Digynia.* )

42. ANTHOXANTHUM. *Cal.* Glume 2-valved, one-flower'd. *Cor.* Glume 2-valved, pointed. *Sem.* 1.

*odoratum.* 1. A. spike oblong egg'd, florets subpeduncled longer than the awn. *odorous.*

*indicum.* 2. A. spike linear, florets sessile shorter than the awn. *indian.*

*paniculat.* 3. A. flowers panicled. *panicled.*

*aculeatum.* A. spikes sub-globular, involucre leafy short dagger'd. *S.*

*crinitum.* A. panicle spike-form cylindrical awn'd. the awns long expanding loose, *S.*

THREE

## T H R E E F E M A L E S .

*(Trigynia.)*43. PIPER. *Cal.* o. *Cor.* o. *Berry* one-seeded.

- nigrum.* 1. P. leaves egg'd mostly seven-nerved smooth, petioles simplest. *black.*
- Betle.* 2. P. leaves oblongish pointed seven-nerved petioles two tooth'd. *Betle.*
- Malamiris.* 3. P. leaves egg'd acutish rugged underneath: five nerves elevated underneath.
- Amalago.* 6. P. leaves lance-egg'd five-nerved wrinkled.
- Siriboa.* 4. P. leaves unequally hearted mostly seven-nerved vein'd.
- longum.* 5. P. leaves hearted petioled and sessile. *long.*
- decumanum.* 7. P. leaves hearted nine-nerved netted. *large.*
- reticulatum.* 8. P. leaves hearted five-nerved netted. *netted.*
- aduncum.* 9. P. leaves egg-lanced; nerves alternate spikes hook'd. *hook'd.*
- pellucidum.* 10. P. leaves hearted petioled: stem herbaceous. *pellucid.*
- acuminatum.* 11. P. leaves lance-egg'd nerved fleshy. *pointed.*
- obtusifol.* 12. P. leaves egg'd nerveless. *obtuse-leaved.*
- rotundif.* 13. P. leaves orbicular solitary fleshy. *round-leaved.*
- maculosum.* 14. P. leaves targetted egg'd. *spotted.*
- peltatum.* 15. P. leaves targetted orbicular-hearted obtuse scollop'd, spikes umbell'd. *targetted.*
- dystachion.* 16. P. leaves egg'd spikes pair'd. *twin-spiked.*
- umbellatum.* 17. P. leaves hearted roundish acute vein'd, spikes umbell'd. *umbell'd.*
- trifolium.* 18. P. leaves three-fold roundish. *three-leaved.*
- quadrifol.* 19. P. leaves fourfold wedge-form sessile. *four-leaved.*
- verticillatum.* 20. P. leaves verticil'd egg'd three-nerved. *verticill'd.*
- Cubeba.* P. leaves oblique-egg'd or oblong vein'd acute, spike solitary peduncled opposite-leaved, fruit pedicel'd. *S.*
- Capense.* P. leaves egg'd nerved pointed: nerves villous. *S. Cape.*
- retusum.* P. leaves inverse-egg'd retuse. *S. retuse.*
- reflexum.* P. leaves four-fold egg'd obtuse reflected, stem furrow'd. *S. reflected.*
- methysiam.* P. leaves hearted many-nerved petioled, spikes axillary peduncled numerous. *S.*

C L A S S .

C L A S S III.

T H R E E M A L E S.

(*Triandria.*)

O N E F E M A L E.

(*Monogynia*)

\* *Flowers above.*

- |      |            |   |
|------|------------|---|
| 44   | VALERIANA. | <i>Cor.</i> 5-cleft, gibbous at the base. <i>seed</i> single.                   |
| 50   | MELOTHRIA. | <i>Cor.</i> 5-cleft, wheel'd. <i>Berry</i> 3-cell'd.                            |
| 55   | CROCUS.    | <i>Cor.</i> 6-petal-like, erect-expanded. <i>Stigmas</i> convolute colour'd.    |
| 59   | IRIS.      | <i>Cor.</i> 6-petal-like: alternate petals reflected. <i>Stigma</i> petal-like. |
| 60   | MORÆA.     | <i>Cor.</i> 6-petal-like: all the petals expanded.                              |
| 58   | ANTHOLYZA. | <i>Cor.</i> 6-cleft tubular recurvate.  |
| 57   | GLADIOLUS. | <i>Cor.</i> 6-petal-like: 3 superior petals converging.                         |
| 56   | IXIA.      | <i>Cor.</i> 6-petal-like, expanding. <i>Stigmas</i> 3 simple.                   |
| 1355 | DILATRIS.  | <i>Cor.</i> 6-petal'd, hairy. <i>Stigma</i> simple. <i>Cal.</i> none.           |

\* \* *Flowers beneath.*

- |      |               |  |
|------|---------------|--|
| 61   | WACHENDORFIA. | <i>Cor.</i> 6-petal-like, expanding. <i>Cal.</i> none.                             |
| 62   | COMMELINA.    | <i>Cor.</i> 6-petal'd: 3 or 4 petals calyx-form. <i>Nectary</i> cross'd, petioled, |
| 54   | HIPPOCRATEA.  | <i>Cor.</i> 5-petal'd. <i>Cal.</i> 5-parted. <i>Capsf.</i> 3. two-valved.          |
| 52   | LOEFLINGIA.   | <i>Cor.</i> 5-petal'd. <i>Cal.</i> 5-leaved. <i>Capsf.</i> 1-cell'd.               |
| 1337 | WILLICHIA.    | <i>Cor.</i> 4-cleft. <i>Cal.</i> 4-cleft. <i>Capsf.</i> 2-cell'd.                  |
| 46   | TAMARINDUS.   | <i>Cor.</i> 3-petal'd. <i>Cal.</i> 4-parted. <i>Legum.</i> succulent.              |
| 63   | CALLISIA.     | <i>Cor.</i> 3-petal'd. <i>Cal.</i> 3-leaved. <i>Capsf.</i> 2-cell'd.               |
| 47   | RUMPHIA.      | <i>Cor.</i> 3-petal'd. <i>Cal.</i> 3-cleft. <i>Drupe</i> nucleus 3-cell'd.         |
| 48   | CNEORUM.      | <i>Cor.</i> 3-petal'd. <i>Cal.</i> 3-tooth'd. <i>Berry</i> 3-grain'd.              |
| 64   | XYRIS.        | <i>Cor.</i> 3-petal'd. <i>Cal.</i> 2-valved. <i>Capsf.</i> 3-cell'd.               |
| 49   | COMOCLADIA.   | <i>Cor.</i> 3-parted. <i>Cal.</i> 3-parted. <i>Style</i> 0. <i>Drupe.</i>          |

45 OLAX.

- 45 OLAX. Cor. 3-cleft. Cal. intire. Glans.  
 1289 ROTALA. Cor. none. Cal. 3-tooth'd. Capsf. 3-cell'd.  
 51 ORTEGIA. Cor. none. Cal. 5-leaved. Capsf. 1-cell'd.  
 53 POLYCNEMUM. Cor. none. Cal. 5-leaved, 3-leaved under-  
 neath. Seed 1, naked.
- \* \* \* *Flowers grassy with valvets of the calyx-glume.*
- 65 SCHOENUS. Cor. none. Cal. chaff fascicled. Seed round-  
 ish.  
 66 CYPERUS. Cor. none. Cal. chaff two-rank'd. Seed naked.  
 67 SCIRPUS. Cor. none. Cal. chaff imbricated. Seed naked.  
 68 ERIOPHORUM. Cor. none. Cal. chaff imbricated. Seed wooll-  
 bearing.  
 69 NARDUS. Cor. 2-valved. Cal. none. Seed cover'd.  
 70 LYGEUM. Cor. 2-valved. Cal. Spathe. Seed 2-cell'd.  
 1356 KYLLINGIA. Cor. 2-valved. Cal. 2-valved. Seed 3-fided.  
 1357 FUIRENNIA. Cor. 3-valved. Cal. none. Seed 3-fided, naked  
 1358 POMMEREULLA. Cor. 2-valved. Cal. top-like. Seed single.

## T W O F E M A L E S .

( *Digynia,* )\* *Flowers one-flower'd straggling.*

- 71 BOBARTIA. Cal. many-valved, imbricated.  
 1359 ANTHISTIRIA. Cal. 4-valved, three-flower'd or four-flower'd  
 76 PANICUM. Cal. 3-valved: the third dorsal one less.  
 72 CORNUCOPIÆ. Cal. 2-valved: Cor. one-valved *Involucre*  
 common 1-leaved. many-flower'd.  
 94 ARISTIDA. Cal. 2-valved. Corol 1-valved with 3 awns  
 at top.  
 78 ALOPECURUS. Cal. 2-valved. Corol 1-valved with top simple  
 77 PHLEUM. Cal. 2-valved lop'd, dagger'd, sessile.  
 74 PHALARIS. Cal. 2-valved: valves keel'd, equal, in-  
 cluding the corol.  
 73 PASPALUM. Cal. 2-valved: valves roundish the figure of  
 the corol.

79 MILIUM

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The rest of the grasses disposed according to their sexes.

Polygamies.	One House	Six Males
Aegylops	3. Olyra	Oryza.
Cenchrus	Coix	Two Males
Ifchaemum	Triculum	Anthoxanthum,
Apluda	6. Zizania	
Holcus	Pharus	One Male
Andropogon		Cinna



- 79 MILIUM. *Cal.* 2-valved: valves bellied larger than the corol, subequal.
- 80 AGROSTIS. *Cal.* 2-valved: valves acute shorter than the corol.
- 86 DACTYLIS. *Cal.* 2-valved: the greater valve longer compress'd keel'd
- 90 STIPA. *Cal.* 2-valved. *Corol* with awn terminal jointless.
- 92 LAGURUS. *Cal.* 2-valved villous. *Cor.* with awns 2 terminal and one dorsal.
- 1360 ROTTBOLLIA. *Cal.* 1-valved. *Cor.* two-valved.
- 73 SACCHARUM. *Cal.* outwardly cloathed with wool,  
 † *arundo epigejos, calamagrostis, arenaria.*  
 \* \* *Flowers two-flower'd straggling.*
- 81 AIRA. *Cal.* 2-valved. *Florets* without the rudiment of a third.
- 82 MELICA. *Cal.* 2-valved; with the *Rudiment* of a third between the *Florets*,  
 † *Tripsacum hermaphroditum.*  
 \* \* \* *Flowers many-flower'd straggling.*
- 85 UNIOLA. *Cal.* many-valved, keel'd.
- 84 BRIZA. *Cal.* 2-valved. *Cor.* hearted: with valves bellied.
- 83 POA. *Cal.* 2-valved. *Cor.* egg'd: with valves acutish.
- 88 FESTUCA. *Cal.* 2-valved. *Cor.* oblong: with valves dagger'd.
- 89 BROMUS. *Cal.* 2-valved. *Cor.* oblong: with valves awn'd under the top.
- 61 AVENA. *Cal.* 2-valved. *Cor.* oblong: with valves with awn on the back contorted.
- 93 ARUNDO. *Cal.* 2-valved. *Cor.* woolly at the base, awnless.  
 \* *Dactylis glomerata.*  
 \* \* \* \* *Spiked with Receptacle awl'd.*
- 97 SECALE. *Cal.* two-flower'd.
- 99 TRITICUM, *Cal.* many-flower'd.
- 98 HORDEUM. *Involucre* six-leaved three-flower d. *Flower* simple.
- 96 ELYMUS. *Involucre* four-leaved two-flower'd. *Flower* compound.
- 95 LOLIUM. *Involucre* one-leaved, one-flower'd. *Flower* compound.
- 87 CYNOSURUS. *Involucre* one-leaved lateral. *Flower* compound.

## T H R E E F E M A L E S .

*(Trigynia.)*\* *Flowers beneath.*

- 104 HOLOSTEUM. *Cor.* 5-petal'd. *Cal.* 5-leaved. *Capsf.* gaping at the top.
- 105 POLYCARPON. *Cor.* 5-petal'd. *Cal.* 5-leaved. *Capsf.* 3-valved.
- 109 LECHEA. *Cor.* 3-petal'd. *Cal.* 3-leaved. *Capsf.* 3-grain'd.
- 100 ERIOCAULON. *Cor.* 3-petal'd. *Cal.* compound. *Seed* 1, crown'd with a coronet.
- 101 MONTIA. *Cor.* 1-petal'd. *Cal.* 2-leaved. *Capsf.* 3-valved, 3-seeded.
- 106 MOLLUGO. *Cor.* none. *Cal.* 5-leaved. *Capsf.* 3-cell'd.
- 107 MINUARTIA. *Cor.* none. *Cal.* 5-leaved. *Capsf.* 1-cell'd, many-seeded.
- 108 QUERIA. *Cor.* none. *Cal.* 5-leaved. *Capsf.* 1-seeded.
- 1241 KOENIGIA. *Cor.* none. *Cal.* 3-leaved, *Seed* 1, egg'd.
- 103 TRIPLARIS. *Cor.* none. *Cal.* 3-parted. *Seed* 1, with calyx leafy expanding.

\* *Tillæa.*\* \* *Flowers above.*

- 102 PROSERPINACA. *Cor.* none. *Cal.* 3-parted, above. *Seed* 1, 3-cell'd.

ONE FEMALE.

(*Monogynia.*)

44. VALERIANA. *Cal.* o. *Cor.* 1-petal'd, gibbous on one side at the base, above. *Seed* 1. *Valerian.*

- |                     |  |                       |
|---------------------|--|-----------------------|
| <i>rubra.</i>       | 1. V. flowers one-male tail'd, leaves lanced most intire.  | <i>red.</i>           |
| <i>calcitrapa.</i>  | 2. V. flowers one-male, leaves feather-cleft.  |                       |
| <i>cornucopiæ.</i>  | 3. V. flowers two-male grinning, leaves egg'd sessile.   | <i>cornucopia.</i>    |
| <i>dioica.</i>      | 4. V. flowers three-male of the class two Houses, leaves feather'd most intire.                  | <i>of two houses.</i> |
| <i>officinalis.</i> | 5. V. flowers three-male, leaves all feather'd.  | <i>officinal.</i>     |
| <i>Phu.</i>         | 6. V. flowers three-male, stem-leaves feather'd; radical ones undivided.                         |                       |
| <i>tripteris.</i>   | 7. V. flowers three-male, leaves tooth'd: radical ones hearted; stem-leaves three'd egg-oblong.  | <i>three-winged.</i>  |
| <i>montana.</i>     | 8. V. flowers three-male, leaves egg-oblong somewhat tooth'd, stem simple.                       | <i>mountain.</i>      |
| <i>celtica.</i>     | 9. V. flowers three-male; leaves egg-oblong obtuse most intire.                                  | <i>celtic.</i>        |
| <i>tuberosa.</i>    | 10. V. flowers three-male, radical leaves lanced most intire; the rest feather-cleft.            | <i>tuberous.</i>      |
| <i>saxatilis.</i>   | 11. V. flowers three-male, leaves somewhat tooth'd: radical ones egg'd; stem-ones linear-lanced. | <i>rock.</i>          |
| <i>elongata.</i>    | 17. V. flowers three-male, radical leaves egg'd: stem-ones hearted sessile halbertish-gash'd.    | <i>elongate.</i>      |
| <i>pyrenaica.</i>   | 12. V. flowers three-male, stem-leaves hearted tooth'd petioled: the highest three'd.            | <i>pyrennean.</i>     |
| <i>scandens.</i>    | 13. V. flowers three-male, leaves three'd, stem climbing.  | <i>climbing.</i>      |
| <i>chinesis.</i>    | 14. V. flowers three-male, leaves all hearted scollop-lob'd                                      | <i>chinese.</i>       |
| <i>Locusta.</i>     | 16. V. flowers three-male, stem two-fork'd, leaves linear.                                       | <i>a. fruit</i>       |

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Valerians differ exceedingly in the fructification: in the corols being regular or irregular. in the stamens being 1 2 3 or 4. the fruit one-seeded or two-seeded, naked, crown'd, having a pappus, &c.

76. THREE MALES. ONE FEMALE. Valeriana.

- olitoria.* a. fruit simple. *potherb.*  
*viscaria.* b. calyxes inflated: teeth 6 inflected; involucl 5-  
 leaved 3-flower'd. *bladder.*  
*coronata.* c. fruit six-tooth'd. *crown'd.*  
*discoidea.* d. fruit twelve-tooth'd, falver-form with 12 points,  
 hook'd backwards. *disk-like.*  
*dentata.* e. the crown of the seed three-tooth'd. *tooth'd.*  
*radiata.* f. the involucre encompassing the flowers. *radiate.*  
*pumila.* g. stem two-fork'd, lowest leaves tooth'd: highest  
 linear many-cleft. *dwarf.*  
*mixta.* 17. V. flowers three-male, stem four-cleft, lowest leaves  
 twice-feather-cleft, seed with pappus plummy. *mix'd.*  
*echinata.* 15. V. flowers three-male regular, leaves tooth'd, fruit li-  
 near three-tooth'd: the outermost larger recur-  
 vate. *hedge-hog.*  
*supine.* 19. V. flowers four-male, involucl six-leaved three-  
 flower'd, leaves intire. *supine.*  
*sibirica.* 18. V. flowers four-male equal, leaves feather-cleft, seeds  
 growing on the oval chaff. *sibirian.*

45. OLAX. *Cal.* intire. *Cor.* funnel-form, 3-cleft.  
 with *Nectary* 4-leav'd.

*Zeylanica.* I. OLAX. *Ceylon.*

46. TAMARINDUS. *Cal.* 4-parted. *Petals* 3. *Nec-*  
*tary* with 2 short bristles under the fi-  
 laments. *Legume* pulpy. *Tamarind.*

*indica.* I. TAMARINDUS. *indian.*

47. RUMPHIA. *Cal.* 3-cleft. *Petals* 3. *Drupe*  
 3 cell'd.

*amboinensis.* I. RUMPHIA. *amboina.*

48. CNEORUM. *Cal.* 3-tooth'd. *Petals* 3, equal.  
*Berry* 3-grain'd.

*tricocon.* I. CNEORUM. *three-grain'd.*

49. COMO-

49. COMOCLADIA. *Cal.* 3-parted. *Cor.* 3-parted.  
*Drupe* oblong : with nucleus two-lobed

*integrifol.* 1. C. leaflets intire. *intire-leaved.*  
*dentata.* 2. C. leaflets tho. n-tooth'd. *tooth'd.*

1337. WILLICHIA. *Cal.* 4-cleft. *Cor.* 4-cleft.  
*Capsf.* 2-cell'd, many seeded.

*repens.* 1. WILLICHIA. *creeping.*

50. MELOTHRIA. *Cal.* 5-cleft. *Cor.* bell'd, 1-  
 petal'd. *Berry* 3-cell'd, many-seeded.

*pendula.* 1. MELOTHRIA. *pendulous.*

1289. ROTALA. *Cal.* 3-tooth'd. *Cor.* 0. *Capsf.*  
 3-cell'd, many-seeded.

*verticillaris.* 1. ROTALA. *verticil'd.*

51. ORTEGIA. *Cal.* 5-leaved. *Cor.* 0. *Capsf.* 1-  
 cell'd. *Seeds* very numerous.

*hispanica.* 1. O. flowers subverticil'd, stem simple. *spanish.*  
*dichotoma.* O. flowers solitary axillary, stem two fork'd. *2-fork'd.*

52. LOEFLINGIA. *Cal.* 5-leaved. *Cor.* 5-petal'd,  
 smallest. *Capsf.* 1-cell'd, 3-valved.

*hispanic.* 1. LOEFLINGIA. *spanish.*

53. POLYCNEMUM. *Cal.* 3-leaved. *Petals* 5,  
 calyx-form. *Seed* 1, nakedish.

*arvense.* 1. POLYCNEMUM. *field.*

54. HIPPOCRATEA. *Cal.* 5-parted. *Petals* 5.  
*Capsf.* 3, inverse-hearted.

*volubilis.* 1. HIPPOCRATEA. *twining.*

55. CROCUS

78. THREE MALES. ONE FEMALE. CROCUS.

55. CROCUS. *Cor.* 6-parted, equal. *Stigmas* convolute. *Saffron.*

- sativus.* I. C. spathe one-valved radical, corol with tube longest. *wild.*  
*officinalis.* a. autumnal with leaves narrower revolute at the margin. *officinal.*  
*vernus.* b. vernal with leaves broader with margin expanded. *vernal.*

56. IXIA. *Cor.* 6-petal'd, expanding, equal. *Stigmas* 3, erectish-expanded.

- rosea.* 12. I. scape one-flower'd leafless shortest. *rose.*  
*Bulbocodium.* I. I. scape one-flower'd shortest, stem-leaves angular, stigmas sixfold.  
*uniflora.* 11. I. scape one-flower'd, leaves sword-form, spathe torn. *one-flower'd.*  
*minuta.* I. Scapes one-flower'd S. *minute.*  
*pilosa.* I. scape simple, leaves linear hairy. S. *hairy.*  
*capillaris.* I. stem many-flower'd, flowers peduncled erect, leaves linear erect. S. *capillary.*  
*alopecuroides.* I. stem simple, leaves linear, flowers imbricated. S. *foxtail-like.*  
*falcata.* I. stem simple, leaves sickled. S. *sickled.*  
*linearis.* I. stem simple, leaves linear convex striated. S. *linear.*  
*excisa.* I. stem simple, leaves egg-oblong cut out on the interior side. S. *cut.*  
*fruticosa.* I. stem shrubby branchy. S. *shrubby.*  
*corymbosa.* 3. I. flowers corymbed peduncled, stem two-edg'd. *corymbed.*  
*hyalina.* I. flowers yellow, petals glassy on the side with a yellow line in the middle of the base. S. *glassy.*  
*africana.* 2. I. flowers headed, spathes torn. *african.*  
*pentandra.* I. flowers five-male, stamens curved, leaves sword-form. S. *five-male.*  
*chinensis.* 9. I. leaves sword-form, panicle two-fork'd, flowers peduncled. *chinese.*  
*bulbifera.* 4. I. leaves linear, axils bulb-bearing, flowers alternate, stamens lateral. *bulb-bearing.*  
*flexuosa.* 5. I. leaves linear, raceme winding many-flower'd. *winding.*  
*polystachia.* 6. I. leaves linear, scape with spikes numerous. *many-spiked.*  
 7. I.

- Scillaris.* 7. I. leaves sword-form striated, spike elongated. *Squill.*  
*maculata.* 12. I. leaves sword-form, flowers alternate : with petals  
obscure at the base. *spotted.*  
*crocata.* 8. I. leaves sword-form, flowers alternate : with petals  
glafs-window'd at the base. *saffron.*  
*crispa.* I. leaves awl'd curl'd, scape spik'd. *S. curl'd.*  
*pendula.* I. leaves linear sword-form, stem panicled, racemes  
many pendulous. *S. pendulous.*  
*cinnamomea.* I. leaves lanced waved, spike one-rank'd. *S. cin-*  
*namon.*  
*gladiata.* I. Styles three, culm naked compres'd, scales of the  
glumes awnless. *S. sword.*  
*Galaxia.* I. of the class one Brotherhood, spathe radical,  
leaves egg'd flat nerv'd. *S. Galaxy.*  
*fugacissima.* I. of the class one brotherhood, spathe radical, leaves  
awl'd channel'd recurvate. *S. most fleeting.*

57. GLADIOLUS. *Cor.* 6-parted, grinning. *Sta-*  
*mens* ascending.

- communis.* 1. G. leaves sword form, flowers distant. *common.*  
*imbricatus.* 2. G. leaves sword-form, flowers imbricated. *imbrica-*  
*ted.*  
*alatus.* 4. G. leaves sword-form, lateral petals broadest.  
*winged.*  
*plicatus.* 5. G. leaves sword-form plaited villous, scape lateral,  
corols regular. *plaited.*  
*tristis.* 6. G. leaves linear-cross'd, corols bell'd. *sorrowful.*  
*undulatus.* 7. G. leaves sword-form, petals subequal lanced waved.  
*waved.*  
*recurvus.* 8. G. leaves sword-form, petals subequal lanced recur-  
vate. *recurved.*  
*spicatus.* 3. G. leaves linear, stem simplest, flowers spiked. *spiked.*  
*alopecu-* 10. G. leaves linear, spike two-rank'd imbricated. *fox-*  
*roides.* *tail-like.*  
*angustus.* 57. G. leaves linear, flowers distant, tube of the corols  
longer than the borders. *narrow.*  
*ramosus.* 8. G. stem branchy, leaves linear. *branchy.*  
*capitatus.* 6. G. stem branchy, heads peduncled, root tuberous.  
*headed.*  
*crispus.* G. leaves lanc'd notch'd waved, flowers one-rank'd,  
spikes two, tube thread-form long. *S. curled.*  
*juncus.* G. leaves broad lanced, culm branchy, flowers one-  
rank'd, style six parted. *S. rushy.*

80. THREE MALES. ONE FEMALE. *Gladiolus*.

<i>anceps</i> .	G. leaves sword-form wav'd, stem branchy two-edg'd divaricated. S. <span style="float: right;"><i>two-edg'd.</i></span>
<i>gramineus</i> .	G. petals lanced bristle pointed. S. <span style="float: right;"><i>grassy.</i></span>
<i>marginatus</i> .	G. leaves cartilaginous-edged, smooth many-nerved, spike elongated, flowers alternate nodding. S. <span style="float: right;"><i>edged.</i></span>
<i>montanus</i> .	G. leaves sword-form neryed smooth, flowers spiked. Corol grinning. S. <span style="float: right;"><i>mountain.</i></span>
<i>falcatus</i> .	G. stem simple, leaves sickled, flowers alternate, style three-cleft. S. <span style="float: right;"><i>sickled.</i></span>
<i>flexuosus</i> .	G. leaves linear, stem simple winding, flowers spiked grinning, tube long. S. <span style="float: right;"><i>winding.</i></span>
<i>longiflorus</i> .	G. stem columnar, tube longest, spathes and leaves linear smooth. S. <span style="float: right;"><i>long-flower'd.</i></span>
<i>tubiflorus</i> .	G. stem columnar tube very long, spathes and leaves hairy. S. <span style="float: right;"><i>tube-flowering.</i></span>
<i>spathaceus</i> .	G. stem branchy, flowers spike-imbricated, spathes membranous awn'd, leaves plaited, S. <span style="float: right;"><i>spathe.</i></span>
<i>setifolius</i> .	G. stem branchy, corol grinning, lowest leaf thread- form-bristly. S. <span style="float: right;"><i>bristle-leav'd.</i></span>

58. ANTHOLYZA. *Cor.* tubular, irregular, recur-  
vate. *Capsf.* beneath.

<i>ringens</i> .	1. A. lips of the corol divaricated, throat compress'd. <span style="float: right;"><i>grinning,</i></span>
<i>Cunonia</i> .	2. A. corols subpapilionaceous: with two external lobes of the lip broader ascending.
<i>æthiopica</i> .	3. A. corols incurvate: with two alternate lobes of the five-parted lip expanded greater lanced. <i>æthiopian</i>
<i>Meriana</i> .	4. A. corols funnel-form, leaves sword-form.
<i>Merianella</i> .	A. corols funnel-form, leaves linear..
<i>Maura</i> .	A. flowers funnel-form downy without.
<i>plicata</i> .	A. leaves plaited, stem branchy shaggy, corol grinning shorter than the stamens. S. <span style="float: right;"><i>plaited.</i></span>
<i>Lucidor</i> .	A. radical leaves with thread-form base broad-awl'd furrow'd at top, stem simple leafy spiked. S.

59. IRIS. *Cor.* 6-parted: with alternate Petals re-  
flected. *Stigmas* petal-form,

\* *Bearded: with nectaries of reflected petals.*

<i>fusiana</i> .	1. I. corols bearded, stem longer than the leaves one- flower'd.
------------------	---

2. I.



- florentina.* 2. I. corols bearded, stem higher than the leaves mostly two-flower'd, flowers sessile. *florentine.*
- germanica.* 3. I. corols bearded, stem higher than the leaves many-flower'd, the inferior flowers peduncled. *german.*
- aphylla.* 6. I. corols bearded, scape naked the length of the leaves many-flower'd. *leafless.*
- sambucina.* 4. I. corols bearded, stem higher than the leaves many-flower'd, the deflected petals flat; the erect ones end-nick'd. *elder-like.*
- squalens.* 5. I. corols bearded, stem higher than the leaves many-flower'd, the deflected petals replaited the erect ones end-nick'd. *squalid.*
- Variegata.* 7. I. corols bearded, stem somewhat leafy the length of the leaves many-flower'd. *Variegated.*
- biflora.* 8. I. corols bearded, stem shorter than the leaves three-flower'd.
- pumila.* 9. I. corols bearded, stem shorter than the leaves, one-flower'd. *dwarf.*
- dichotoma.* I. corol very thinly bearded, stem columnar elongate paniced, branches alternate divaricated, two or four flower'd. *S. two-fork'd.*
- tripetala.* I. corols bearded, radical leaf single linear sword-form-channel'd, alternate petals awn'd. *S. three-petal'd.*
- ciliata.* I. corols bearded, leaves lanced waved fringed, alternate petals inverse-egg'd, *S. fringed.*
- tricuspidata.* I. corols bearded, radical leaf sword-form, alternate petals three-cleft. *S. three-tiked.*
- minuta.* I. corols bearded, leaves lanced smooth, alternate petals lanced. *S. minute.*
- \* \* *Beardless: with petals deflected polish'd,*
- pseud-Acorus.* 10. I. corols beardless, interior petals less than the stigma, leaves sword-form. *false Acorus.*
- foetidissima.* 11. I. corols beardless: interior petals most expanded; stem one-angled, leaves sword-form. *most fetid.*
- sibirica.* 12. I. corols beardless, germs three-corner'd, stem columnar, leaves linear. *siberian.*
- versicolor.* 13. I. corols beardless, germs almost three-corner'd, stem columnar winding, leaves sword-form. *colour-changing.*
- virginica.* 14. I. corols beardless, germs three-corner'd, stem two-edg'd. *virginian.*

- martini-censis*. 15. I. corols beardless, germs three-corner'd, petals with glandular pits at the base. *martinico.*
- spuria*. 16. I. corols beardless, germs six-angled, stem columnar, leaves sublinear. *spurious.*
- ochroleuca*. I. corols beardless, germ six-angled, stem subcolumnar, leaves sword-form striated. *pallid.*
- graminea*. 17. I. corols beardless, germs six-angled, stem two-edged, leaves linear. *grassy.*
- verna*. 18. I. corols beardless, stem one-flower'd shorter than the leaves; root fibrous. *vernal.*
- tuberosa*. 19. I. corols beardless, leaves four-corner'd. *tuberos.*
- Xiphium*. 20. I. corols beardless, flowers twofold, leaves awl-channel'd shorter than the stem.
- persica*. 21. I. corol beardless, interior petals shortest most expanded. *persian.*
- Sisyrynchium*. 22. I. corols beardless, leaves channel'd, bulbs double placed on each other.
- tenuifolia*. I. corol beardless, spathe two-flower'd, leaf longest thread-form, tube thread-form elongated. *S. slender-leaved.*
- tristis*. I. corols beardless, stem branchy shaggy, leaves longer sword-form smooth. *S. sorrowful.*
- pavonia*. I. corols beardless, with radical leaf sword-form smooth, stem simple. *S. peacock.*
- papilionacea*, I. shaggy, corols beardless, leaves revolute. *S. papilionaceous.*
- viscaria*. I. corols beardless, leaves linear flat, petals expanding, stem viscous. *S. viscous.*
- bituminosa*, I. corols beardless, leaves sword-form spiral, petals reflected, stem viscous. *S. bituminous.*
- crispa*. I. corols beardless, leaves sword-form revolute curl'd, petals expanding. *S. curl'd.*
- edulis*. I. corols beardless, with radical leaf sheathing the scape linear channel'd very long, exterior lip of the stigma intire. *S. eatable.*
- ramosissima*. I. corols beardless, leaves sword-form flat, stem panicked very branchy obtusely three corner'd. *S. most branchy.*
- setifolia*. I. corols beardless, leaf thread-form smooth, stem simple, spathes membranous. *S. bristle-leaved.*
- spatulata*. I. corols beardless, leaves sword-form smooth striated rigid, spathes awl'd very long. *S. spatuled.*

60. MORÆA. *Cor.* six-petal'd; 3 interior petals expanding; the rest like Iris.

- |                    |   |                   |
|--------------------|---|-------------------|
| <i>vegeta.</i>     | 1. M. leaves channel'd.   | <i>vegete.</i>    |
| <i>juncea.</i>     | 2. M. leaves awl'd.   | <i>rushy.</i>     |
| <i>iridiodes.</i>  | 3. M. leaves sword-form.  | <i>iris-like.</i> |
| <i>polyanthos.</i> | M. stem very branchy, leaves awl'd smooth, alternate petals less, stigmas two-cleft. <i>S. many-flower'd.</i>                   |                   |
| <i>spathacea.</i>  | M. scape columnar, leaves columnar expanding long, flowers aggregate headed. <i>S. spathe.</i>                                  |                   |
| <i>lugens.</i>     | M. stem two-edged one-or-two-flower'd, leaves sword-form: the lowest ones almost sickled, flowers terminal. <i>S. mourning.</i> |                   |
| <i>spiralis.</i>   | M. stem compress'd jointed many-flower'd, leaves sword-form erect, flowers axillary. <i>S. spiral.</i>                          |                   |
| <i>aphylla.</i>    | M. scape compress'd naked very smooth, spathe very long awl'd, flowers headed. <i>S. leafless.</i>                              |                   |
| <i>filiformis.</i> | M. scape and leaves thread-form, flowers terminal solitary. <i>S. thread-form.</i>  |                   |
| <i>flexuosa.</i>   | M. stem columnar jointed branchy, leaves flat loose revolute, spike winding. <i>S. winding.</i>                                 |                   |
| <i>Iriopetala.</i> | M. leaves grassy, three greater petals bearded. <i>S. Iris-petal'd.</i>   |                   |
| <i>juncea.</i>     | a. the scales of the bulb distinct at the base. <i>S. rushy.</i>  |                   |
| <i>vegeta.</i>     | b. the scales of the bulb connected at the base. <i>S. vegete.</i>  |                   |

61. WACHENDORFIA. *Cor.* six-petal'd, unequal, beneath. *Caps.* three-cell'd above.

- |                      |   |                          |
|----------------------|---|--------------------------|
| <i>thyrsiflora.</i>  | 1. W. scape simple.   | <i>thyrsé-flowering.</i> |
| <i>paniculata.</i>   | 2. W. scape many-spiked.  | <i>panicked.</i>         |
| <i>umbellata.</i>    | W. umbel two-cleft racemed,   | <i>umbel'd.</i>          |
| <i>graminifolia.</i> | W. stem many-spiked shaggy, leaves sword-form channel'd smooth. <i>S. grass-leaved.</i> |                          |

62. COMMELINA. *Cor.* 6-petal'd. *Nectaries* 3, cross'd, inserted on appropriated filaments.

\* *Two-petal'd, from two petals being larger.*

- |                  |  |                |
|------------------|--|----------------|
| <i>communis.</i> | 1. C. corols unequal, leaves egg-lanced acute, stem creeping smooth. | <i>common.</i> |
|------------------|--|----------------|

84. THREE MALES. ONE FEMALE. Commelina.

- africana.* 2. C. corols unequal, leaves lanced smooth, stem decumbent. *african.*
- benghalensis.* 3. C. corols unequal, leaves egg'd obtuse, stem creeping. *benghal.*
- erecta.* 4. C. corols unequal, leaves egg-lanced, stem erect somewhat shaggy most simple. *erect.*
- \* \* Three-petal'd: *Zanonia*, Pl. with 3 petals larger.
- virginica.* 5. C. corols subequal, leaves lanced subpetioled bearded on the face, stems erect. *virginian.*
- tuberosa.* 6. C. corols equal, leaves sessile egg-lanced somewhat fringed. *tuberos.*
- Zanonia.* 7. C. corols equal, peduncles thicken'd, leaves lanced: with sheaths tumid shaggy on the margin, bractes double.
- vaginata.* C. corols equal, leaves linear, flowers two-male sheathed by the involucre. *sheathed.*
- nudiflora.* 8. C. corols equal, peduncles capillary, leaves linear, involucre none, flowers two-male. *naked flower.*

63. CALLISIA. *Cal.* 3-leaved. *Petals* 3. *Anthers* double. *Capsf.* two-cell'd.

- repens.* 1. CALLISIA. *creeping.*

64. XYRIS. *Cor.* 3-petal'd, equal, notch'd. *Glumes* 2-valved in a head. *Capsf.* above.

- indica.* XYRIS. *indian.*

65. SCHOENUS. *Glumes* chaffy, one-valved, collected. *Cor.* 0. *Seed* 1. roundish between the glumes.

\* *With Culm columnar.*

- Mariscus.* 1. S. culm columnar, leaves prickly on the edge and back.
- aculeatus.* 2. S. culm columnar branchy, heads terminal, involucre three-leaved most short rigid expanding. *prickly.*
- mutronatus.* 3. S. culm columnar naked, spikelets egg'd fascicled, involucre mostly six-leaved, leaves channel'd. *dagger'd.*
- nigricans.* 5. S. culm columnar naked, head egg'd, one valvelet of the two-leaved involucre awl'd, long. *black.*

6. S.

- ferrugineus.* 6. S. culm columnar naked, spike double, the greater valvelet of the involucre equalling the spike, *iron.*
- fuscus.* 9. S. culm columnar leafy, spikelets subfascicled, leaves thread-form channel'd. *brown.*
- compar.* S. culm columnar naked, spike compounded, spikelets doubled. *equal.*
- ustulatus.* S. culm columnar leafy, spikes peduncled pendulous oblong awn'd. *burnt.*
- radiatus,* S. culm roundish, head roundish, involucre eight-leaved very long. S. *radiate.*
- niveus.* S. culm three-sided, head roundish, involucre most long, calyxes simple vertical. *snowy.*
- coloratus.* 8. S. culm three-sided, head roundish; with an involucre most long flat variegated, flowers imbricated. *colour'd.*
- bulbosus.* S. culms three-sided naked, with knobs of flowers alternate, leaves linear-thread-form. *bulbous.*
- compressus.* 10. S. culm almost three-sided naked, spike two-rank'd, involucre one-leaved. *compress'd.*
- glomeratus.* 11. S. culm three-sided leafy, flowers fascicled, leaves flat peduncles lateral double. *glomerated.*
- thermalis.* S. culm three-sided leafy, heads lateral compounded subseffile, leaves sword-form keel'd. *warm.*
- albus.* 12. S. culm almost three-sided leafy, flowers fascicled, leaves bristly. *white.*

66. CYPERUS. *Glumes* chaffy, imbricated two-rankwise. *Cor.* o. *Seed* 1. naked.

\* *With Culm columnar.*

- articulatus.* 1. C. culm columnar naked jointed. *jointed.*
- minimus.* 2. C. culm columnar naked, spikes under the top. *smallest.*
- lateralis,* C. culm roundish naked, spike lateral seffile. S. *lateral.*
- Monti.* C. culm round umbel super-decompounded, leaves with a keel glossy. S.
- tenellus.* C. culm naked bristly, spikes solitary and double seffile. S. *tender.*
- \* \* *With Culm three-sided.*
- monostachios,* C. culm three-sided naked, spike simple egg'd terminal: with scales dagger'd. *one-spiked.*
- laevigatus.* C. culm three-sided naked, head two-leaved, flowers polish'd. *polish'd.*
4. C.

86. THREE MALES. ONE FEMALE. Cyperus.

- Haspan.* 4. C. culm three-sided leafy, umbel super-decompounded, spikelets umbel-fessile.
- longus.* 5. C. culm three-sided leafy, umbel leafy super-decompounded, peduncles naked, spikes alternate. *long.*
- esculentus.* 7. C. culm three-sided naked, umbel leafy, knots of the roots egg'd: with zones imbricated. *esculent.*
- rotundus.* 6. C. culm three-sided almost naked, umbel decompounded, spikes alternate linear. *round.*
- squarrosus.* 3. C. culm three-sided naked, umbel leafy glomerated, spikes striated ragged. *ragged.*
- difformis.* 8. C. culm three-sided naked, umbel two-leaved simple three-cleft, spikes piked: with the intermediate one sessile. *deform'd.*
- Iris.* 9. C. culm three-sided half naked, umbel leafy decompounded, spikelets alternate, grains distinct. *Iris.*
- elatus.* 10. C. culm three-sided naked, umbel leafy super-decompounded, spikes finger'd imbricated, spikelets awl'd. *elate.*
- glomeratus.* 12. C. culm three-sided naked, umbel three-leaved super-decompounded, spikes glomerate-rounded, spikelets awl'd. *glomerated.*
- glaber.* C. culm three-sided naked polish'd, umbel three-leaved, flowers glomerated: the inferior ones cross-arm'd, leaves smooth. *smooth.*
- elegans.* 11. C. culm three-sided naked, umbel leafy, peduncles naked proliferous, spikes crowded: with daggers expanded. *elegant.*
- odoratus.* 13. C. culm three-sided naked, umbel decompounded simply leafy, pedicels spiked two-rankwise. *odorous.*
- compressus.* 14. C. culm three-sided naked, universal umbel three-leaved, glumes dagger'd: with fides membranous. *compress'd.*
- avescens.* 15. C. culm three-sided naked, umbel three-leaved, peduncles simple equal, spikes crowded lanced. *yellow.*
- fuscus.* 16. C. culm three-sided naked, umbel three-cleft, peduncles simple unequal, spikes crowded linear. *brown.*
- pumilus.* 17. C. culm three-sided naked, umbel two-leaved compounded, spikelets alternate-finger'd lanced, glumes dagger'd. *dwarf.*
- triflorus.* C. culm three-sided naked, umbel three-spiked, the intermediate one sessile, spikelets polish'd. *three-flower'd.*

- strigosus.* 18. C. culm three-sided naked, umbel simple, spikelets linear most crowded horizontal. *lance-bristled.*
- ligularis.* 19. C. culm three-sided spikelets of umbel headed oblong sessile, involucre longest rough-saw'd. *ribbon.*
- Papyrus.* 20. C. culm three-sided naked, umbel longer than the involucre, involucre three-leaved bristly longer, spikelets threefold. *Paper.*
- spathaceus.* C. culm clothed with sheaths of the leaves, peduncles feather'd lateral. *spathe.*
- alternifolius.* 21. C. culm three-sided naked at the top alternately leafy, peduncles lateral proliferous. *alternate-leaved.*
- denudatus.* C. culm three-sided, involucre scarcely any. *S. naked.*
- distans.* C. culm three-sided naked, umbel leafy super-decompounded, spikes alternate thread-form, florets distant. *S. distant.*
- Pannonicus.* C. culm three-sided, spikes sessile, glumes lateral sphaecelated. *S. Pannonian.*

67. SCIRPUS. *Glumes* chaffy, imbricated on all sides. *Cor.* 0. *Seed* 1. beardless.

\* *With spike single.*

- trigynus.* S. culm columnar naked, spike cylindrical with scales lanced membranous on the side at the base. *three-female.*
- mutatus.* 4. S. culm three-sided naked, spike cylindrical terminal. *changed.*
- articulatus.* 1. S. culm columnar nakedish half-knotted, head glomerated lateral. *jointed.*
- palustris.* 2. S. culm columnar naked, spike almost egg'd terminal. *marsh.*
- geniculatus.* 5. S. culm columnar naked, spike oblong terminal. *knotted.*
- cæspitosus.* 6. S. culm striated naked, spike two-valved terminal the length of the calyx, roots divided by a scalelet. *turfy.*
- capitatus.* 3. S. culm columnar naked bristle-form, spike subgloular terminal. *headed.*
- acicularis.* 7. S. culm columnar naked bristle form, spike egg'd two-valved, seeds naked. *needle.*
- fluitans.* 8. S. culms columnar naked alternate, stem leafy flaccid. *floating.*

88. THREE MALES. ONE FEMALE. Scirpus.

*Bæothryon*. S. culm round striated naked sheathed at the base, sheath lop'd, spikes terminal few-flower'd two-valved: with valvelets egg'd shorter than the spike, parch'd on the edge: with the exterior one shorter. S.

\* \* *With Culm round many-spiked.*

*lacustris*. 9. S. culm columnar naked, spikes egg'd numerous peduncled terminal. *lake.*

*Holoscchoenus*. 10. S. culm columnar naked, spikes subglobular glomerated peduncled, involucre two-leaved unequal dagger'd.

*australis*. S. culm columnar naked, head lateral, bracte reflected, leaves channel'd. *southern.*

*romanus*. 11. S. culm columnar naked, head lateral conglobular, bracte reflected. *roman.*

*setaceus*. 12. S. culm naked bristly, spike terminal sessile. *bristly.*

*supinus*. 13. S. culm columnar naked, spikes sessile glomerate in the middle of the culm. *supine.*

*autumnalis*. S. culm two-edged naked, umbel decomposed, spikelets egg'd. *autumnal.*

*capillaris*. 14. S. culm naked capillary, spikes peduncled with the intermediate one sessile. *capillaris.*

*tristachyos*. S. culm naked bristly, spikes three'd sessile, involucre two-leaved bristly. S. *three-spiked.*

*globiferus*. S. culm round naked, umbel terminal compounded: with leaves globular from many spikelets closely collected. S. *globe-bearing.*

\* \* \* *With Culm three-sided, Panicle naked.*

*triqueter*. 28. S. culm three-sided naked, spikes sub-sessile and peduncled, equalling the dagger. *three-sided.*

*mucronatus*. 15. S. culm triangled naked pointed, spikes conglomerated sessile lateral. *dagger'd.*

*dichotomus*. 16. S. culm three-sided naked, umbel decomposed spikes of the fork sessile. *two-fork'd.*

*echinatus*. 17. S. culm three-sided naked, umbel simple, spikes egg'd. *hedge-hog'd.*

*retrofractus*. 18. S. culm three-sided, umbel simple, florets of the spikes retrofracted. *retrofracted.*

*ferrugineus*. 19. S. culm three-sided nakedish, involucre the length of the panicle fringed. *iron.*

*spadiceus*. 20. S. culm three-sided naked, umbel nakedish, spikes oblong sessile and terminal. *spadix.*



- trispicatus.* S. culm angled naked, spikes terminal three'd sessile naked. S. *three-spiked.*
- grossus.* S. culm three-sided naked, umbel super-decompounded, spikes pedicel'd, involucre three-leav'd lance-awl'd longest. S. *green-fig.*
- \*\*\*\* *With Culm three-sided, Panicle leafy.*
- miliaceus.* 22. S. culm three-sided naked, umbel super-decompounded with intermediate spikes sessile, involucre bristly. *millet.*
- cyperoides.* S. culm three-sided naked, umbel simple, spikelets oblong, florets awl'd one-flower'd reflected. *cyperus-like.*
- maritimus.* 21. S. culm three-sided, panicle conglobulate leafy, scales of the spikelets three-cleft: with the intermediate one awl'd. *sea.*
- luzulae.* 23. S. culm three-sided naked, umbel leafy proliferous, spikelets sroundish.
- ylvaticus.* 24. S. culm three-sided leafy, umbel leafy, peduncles naked super-decompounded, spikes crowded. *wood.*
- corymbosus.* 25. S. culm three-sided leafy, corymbes lateral simple; with a terminal one proliferous, spikes awl'd. *corymbed.*
- squarrosus.* S. culm columnar naked bristly, spikes threefold sessile egg'd ragged. *ragged.*
- intricatus.* S. culm three-sided naked, umbel leafy simple, calyx-scales awl'd recurved. *intricate.*
- nichelianus.* 26. S. culm three-sided, head globular, involucre many-leav'd long. *nichelian.*
- ciliaris.* S. culm three-sided leafy, umbels scattered, calyx-scales with awns fringed. *fringed.*
- \*\*\*\* *With Culm three-sided, head terminal.*
- boitentottus.* S. culm three-sided leafy, head globular, calyx-scale<sup>s</sup> lanced shaggy. *boitentot.*
- antarcticus.* S. culm three-sided naked, head globular, involucre one-leav'd. *antarctic.*
- cephalotes.* 27. S. culm three-sided naked, head egg'd ragged, involucre three-leav'd long. *ear-headed.*

68. ERIOPHORUM. *Glumes* chaffy, imbricated on all sides. *Cor.* o. *Seed* 1. girt with longest wool. *Cotton-rush.*

*vaginatum.* 1. E. culms sheath'd columnar, spike parch'd. *sheath'd.*  
M 2. E.

90. THREE MALES. ONE FEMALE. *Eriophorum*.

- polystachion*. 2. E. culms columnar, leaves flat, spikes peduncled. *many-spiked.*  
*virginicum*. 3. E. culms leafy columnar, leaves flat, spike erect. *virginian.*  
*cyperinum*. 4. E. culms columnar leafy, panicle super-decompounded  
 proliferous, spikelets mostly threefold. *cyperine.*  
*alpinum*. 5. E. culms naked three-sided, spike shorter than the  
 pappus. *alpine.*

69. NARDUS. *Cal.* 0. *Cor.* 2-valved. *Nard.*

- striata*. 1. N. spike bristly straight one-rank'd. *upright.*  
*gangitis*. 2. N. spike recurved.  
*aristatus*. 3. N. calyxes awn'd. *awn'd.*  
*ciliaris*. 4. N. spike incurved fringed. *fringed.*  
*indica*. N. spike bristly one-rank'd subincurvate. *S. indian.*  
*Thomæa*. N. spike thread-form straight imbricated on both sides.  
*S. St. Thomas*

70. LYGEUM. *Spathe* 1-leaved. *Corols* two upon  
 the same germ, *Nut* two-cell'd.

- Spartum*. 1. LYGEUM. *Broom.*

1355. DILATRIS. *Cal.* none. *Cor.* six-petal'd,  
 shaggy. *Stigma* simple. *S.*

- umbellata*. D. petals egg'd, corymbe level-top'd shaggy. *S. umbel'd.*  
*viscosa*. D. petals linear, corymbe level-top'd villous viscous.  
*S. viscous.*  
*paniculata*. D. petals lanced, panicle oblong villous viscous. *S. panicked.*

1356. KYLLINGIA. *Ament* egg'd or oblong, im-  
 bricated. *Flowers* with calyx and corol  
 two-valved. *S.*

- monocephala*. K. culm thread-form three-sided, head globular sessile,  
 involucre three-leaved very long. *S. one-headed.*  
*triceps*. K. heads terminal mostly three'd glomerate sessile. *S. three-headed.*  
*panicea*. K. umbel terminal: with spikes sessile and peduncled  
 cylindrical imbricated, universal involucre  
 mostly four-leaved, no partial one. *S. panic. K.*

*umbellata.* K. umbel terminal : with spikes sessile and peduncled cylindrical ragged, universal involucre many-leaved, partial one three-leaved. S. *umbel'd.*

1357. FUIRENA. *Ament* imbricated ; with scales awn'd. *Cal.* o. *Cor.* with glumes three, petal-form, inverse-hearted, terminated by a tendril. S.

*paniculata.* F. panicled. S. *panicled.*

1358. POMMEREULLA. *Cal.* toplike, two-valved ; *Valvelets* four-cleft, awn'd on the back. S.

*cornucopiæ.* POMMEREULLA. S. *horn of plenty.*

T W O F E M A L E S.

( *Digynia.* )

71. BOBARTIA. *Cal.* imbricated. *Corol* with glume, two-valved above.

*indica.* I. BOBARTIA. *indian.*

72. CORNUCOPIÆ. *Involucre* 1-leaved, funnel-form notch'd, many-flower'd. *Calyx* 2-valved. *Cor.* 1-valved.

*encullatum.* 1. C. spike awnless, cowl notch'd. *cowl'd.*  
*alopécuro-* 2. C. spike awn'd, receiv'd in an hemispherical cowl.  
*ides.* *foxtail-like.*

73. SACCHARUM. *Gal.* wool long on the outside of the calyx. *Cor,* 2-valved. *Sugar-Cane.*

*spontaneum.* S. flowers panicled, leaves convolute. *spontaneous.*  
*officinarum.* 1. S. flowers panicled, leaves flat. *officinal.*  
*Ravennæ.* S. panicle loose with rachis wool'd, flowers awn'd. *Ravenna.*  
*spicatum.* 2. S. flowers spiked, leaves waved. *spiked.*  
M 2 S.

92. THREE MALES. TWO FEMALES. Saccharum.

- Teneriffæ.* S. leaves awl'd flat, flowers paniced awnless, no hairy involucre, calyx very villous. S. *Teneriff.*  
*spontaneum.* S. leaves convolute, panicle effuse : with spikes capillary simple, flowers remote involucred doubled : with one peduncled. S. *spontaneous.*

74. PHALARIS. *Cal.* 2-valved, keel'd, equal in length, including the corol.

- canariensis.* Ph. panicle somewhat egg'd spike-form, glumes keel'd : *canary.*  
*bulbosa.* 2. Ph. panicle cylindric, glumes keel'd. *bulbous.*  
*nodosa.* Ph. panicle oblong, leaves stiffening. *knotted.*  
*aquatica.* 3. Ph. panicle spike-form egg-oblong, glumes keel'd lanced. *aquatic.*  
*Phleoides.* 5. Ph. panicle cylindric spike-form smooth occasionally viviparous. *Phleum-like.*  
*utriculata.* 4. Ph. panicle spiked, petals with a jointed awn, sheath of the highest leaf spathe-form. *bladder'd.*  
*paradoxa.* 9. Ph. panicle cylindric, florets dagger'd; the neutral ones very numerous; the lowest ones end-bit-ten. *paradox.*  
*arundinacea.* 6. Ph. panicle oblong bellied large. *reedy.*  
*erucæformis.* 7. Ph. panicle one-rank'd linear, calyxes two-flower'd. *caterpillar-like.*  
*zizanioides.* Ph. panicle simplest, flowers murex'd; one sessile. *zizania-like.*  
*oryzoides.* 8. Ph. panicle effused, keels of the glumes fringed. *rice-like.*  
*dentata.* Ph. spike cylindrical, glumes awnless shaggy keel'd; keel tooth'd : teeth globular at the top. S. *tooth'd.*

75. PASPALUM. *Cal.* 2-valved, orbicular. *Cor.* of the same size. *Stigmas* pencil-form.

- dissectum.* 1. P. spikes alternate, rachis membranous, flowers alternate hairy at top. *dissected.*  
*scrobiculatum.* 5. P. spikes alternate, rachis membranous, flowers alternate, calyxes many-nerved dimpled. *dimpled.*  
*virgatum.* 2. P. spikelets paniced alternate villous at the base, flowers double. *twiggy.*

- paniculatum*. 3. P. spikes paniced verticil-agregate. *paniced.*  
*distichum*. 4. P. spikes two, the alternate one sessile, flowers pointed. *two-rank'd.*

76. PANICUM. *Cal.* 3-valved: third valvelet least. *Panic.*

\* *spiked.*

- polystachion*. 2. P. spikes columnar, involucels one flower'd, fascicle-bristled, culms erect branchy above. *many-spiked.*  
*verticillatum*. 3. P. spike verticil'd, racemelets fourfold, involucels one-flower'd two-bristled, culms diffuse. *verticil'd.*  
*glaucum*. 4. P. spike columnar, involucel two-flower'd fascicle-hair'd, seeds wave-wrinkled. *sea-green.*  
*viride*. 5. P. spike columnar, involucel two-flower'd fascicle-hair'd, seeds nerved. *green.*  
*italicum*. 6. P. spike compound, spikelets glomerate with bristles intermix'd, peduncles shaggy. *italian.*  
*Crus-corvi*. 9. P. spikes alternate one-rank'd, spikelets subdivided, glumes somewhat awn'd, hispid, rachis three-corner'd. *crow-foot.*  
*Crus-galli*. 8. P. spikes alternate and pair'd, spikelets subdivided, glumes awn'd hispid, rachis five-angled. *cocks-foot.*  
*colonum*. 10. P. spikelets alternate one-rank'd awnless egg'd rugged, rachis roundish. *farmers.*  
*brizoides*. P. spikes alternate sessile one-rank'd appress'd oblong. *briza-like.*  
*dimidiatum*. 12. P. spike halved one-rank'd, rachis linear membranous: outwardly with florets aggregate. *halved.*  
*hirtellum*. 7. P. spike compound: spikelets appress'd alternate, calyxes double: all the valvelets awn'd: the outmost longest. *shaggyish.*  
*conglomeratum*. P. spike one-rank'd somewhat egg'd, florets obtuse: *conglomerate.*  
*sanguinale*. 13. P. spikes finger'd knotted on the interior base, florets double awnless, sheathes of the leaves dotted. *bloody.*  
*daEtylon*. 14. P. spikes finger'd expanding: villous on the interior base: flowers solitary, sarments creeping. *finger'd.*

94. THREE MALES. TWO FEMALES. Panicum.

- filiforme.* 15. P. spikes somewhat finger'd approximated erect linear, rachis winding: with teeth two-flower'd, one sessile. *thread-form.*
- lineare.* 16. P. spikes finger'd mostly fourfold linear, florets solitary one-rank'd awnless. *linear.*
- distachion.* P. spikes double one-rank'd polish'd. *two-spiked.*
- elatus.* P. spike compound, spikelets oblong scatter'd appressed, florets crowded, calyxes dagger-awn'd, S. *tall.*
- compositum.* 11. P. spike compound, spikelets linear one-rank'd, florets remote, calyxes awn'd. *compound.*
- halvoium.* P. spike round, involucl one-flower'd fascicle-bristled, feeds nerved.  
\* \* *panicled.*
- dichotomum.* 17. P. panicles simple, culm branchy two-fork'd. *two-forked.*
- ramosum.* 29. P. panicle with simple branches, flowers mostly threefold, the lower one sessile, culm branchy, *branchy.*
- coloratum.* 30. P. panicle expanding, stamens and pistils colour'd, culm branchy. *colour'd.*
- repens.* 27. P. panicle twiggy, leaves divaricated. *creeping.*
- miliaceum.* 23. P. panicle loose flaccid, sheaths of the leaves shaggy, glumes dagger'd nerved. *millet.*
- capillare.* 20. P. panicle capillary erect expanding, sheaths of the leaves shaggy. *capillary.*
- grossarium.* 18. P. panicle with simple branches, flowers double: one pedicel shortest: the other the length of the flower.
- latifolium.* 24. P. panicle with racemes lateral simple, leaves egg-lanced hairy at the neck. *broad-leaved.*
- clandestinum.* 19. P. racemes hidden amidst the sheaths of the leaves. *clandestine.*
- arborescens.* 26. P. panicled most branchy, leaves egg-oblong pointed *arborescent.*
- curvatum.* P. panicle racemed, glumes curved obtuse nerved. *curved.*
- virgatum.* 28. P. panicle twiggy, glumes pointed polish'd: the outmost gaping. *twiggy.*
- patens.* 21. P. panicle oblong winding capillary expanding, calyxes two-flower'd, leaves linear-lanced, culm rooting. *expanding.*
- brevifolium.* 25. P. panicled, sheaths of the leaves longitudinally fringed. *short-leaved.*

*divaricatum.* 22. P. panicles short awnless, culm most branchy most divaricated, pedicels two flower'd: one shorter. *divaricated.*

77. PHLEUM. *Cal.* 2-valved, sessile, linear, lop'd, with top two-piked. *Cor.* included.

- pratense.* 1. P. spike cylindric longest fringed, culm erect. *meadow.*  
*alpinum.* 3. P. spike egg-cylindric. *alpine.*  
*nodosum.* 2. P. spike cylindric, culm ascending, leaves oblique, root bulbous. *knotted.*  
*arenarium.* 4. P. spike egg'd fringed, culm branchy. *sandy.*  
*Schoenoides.* 5. P. spikes egg'd obvolute, leaves shortest dagger'd stem-clasping. *Schoenus-like.*

78. ALOPECURUS. *Cal.* 2-valved. *Cor.* 1-valved. *Foxtail.*

- indicus.* A. spike columnar, involucels bristly fascicled two-flow-er'd, peduncles villous. *indiar.*  
*bulbosus.* 7. A. culm erect, spike cylindric, root bulbous. *bulbous.*  
*pratensis.* 2. A. culm spiked erect, glumes villous, corols awnless. *meadow.*  
*agrestis.* 2. A. culm spiked erect, glumes plow'd. *wild.*  
*geniculatus.* 3. A. culm spiked infracted, corols awnless. *knotted.*  
*hordeiformis.* 3. A. raceme simple, florets intrenched with awns. *barley-like.*  
*montpelienfis.* 4. A. panicle subspiked, calyxes rugged, corols awn'd. *montpelier.*  
*panicus.* 5. A. panicle subspiked, glumes villous, corols awn'd. *panic.*

79. MILIUM. *Cal.* 2-valved, one-flower'd; valvelets subequal. *Corol* shortest. *Stigmas* pencil-form. *Millet.*

- capense.* M. panicle capillary, calyxes pointed, corols with awn terminal curved. *cape.*  
*punctatum.* 5. M. branches of the panicle simplest, flowers alternate double one-rank'd. *dotted.*  
*lindigerum.* 4. M. panicle subspiked, flowers awn'd. *nit-bearing.*  
*simicinum.* M. racemes finger'd, exterior valvelet of the calyxes fringed. *buggy.*  
 7. M.

96. THREE MALES. TWO FEMALES. *Milium*.

- |                    |   |                 |
|--------------------|---|-----------------|
| <i>effusum</i> .   | 1. M. flowers panicled dispersed awnless. | <i>effused.</i> |
| <i>confertum</i> . | 2. M. flowers panicled crowded.           | <i>crowded.</i> |
| <i>paradoxum</i> . | 3. M. flowers panicled awn'd.             | <i>paradox.</i> |

80. AGROSTIS. *Cal.* 2-valved, one-flower'd, somewhat less than the corol. *Stigmas* longitudinally hispid.

\* awn'd.

- |                        |  |                      |
|------------------------|--|----------------------|
| <i>spicaveni</i> .     | 1. A. exterior petal with awn upright straight longest, panicle expanded.  | <i>weather-cock.</i> |
| <i>interrupta</i> .    | 5. A. exterior petal awn'd, panicle attenuated contracted interrupted.   | <i>interrupted.</i>  |
| <i>miliacea</i> .      | 2. A. exterior petal with awn terminal straight striated middle size.  | <i>millet.</i>       |
| <i>bromoides</i> .     | 16. A. panicle simple narrow'd, corol pubescent: with awn straight longer than the calyx.  | <i>bromus-like.</i>  |
| <i>australis</i> .     | 17. A. panicle subspliked, seeds egg'd pubescent: awn the length of the calyx.   | <i>southern.</i>     |
| <i>arundinacea</i> .   | 3. A. panicle oblong, exterior petal villous at the base, and with awn twisted longer than the calyx.  | <i>reedy.</i>        |
| <i>Calamagrostis</i> . | 4. A. panicle thicken'd, the whole exterior petal woolly awn'd at the top, culm branchy.   |                      |
| <i>serotina</i> .      | 18. A. panicle with florets oblong dagger'd, culm cover'd with shortest leaves.  | <i>late.</i>         |
| <i>rubra</i> .         | 6. A. flowering part of the panicle most expanding, exterior petal smooth: with awn terminal twisted recurved.   | <i>red.</i>          |
| <i>Matrella</i> .      | A. flowers racemed, exterior valvelet of the calyx incurved, the top only of the keel gaping.  |                      |
| <i>canina</i> .        | 7. A. calyxes elongated, dorsal awn of the petals recurved, culms prostrate rather branchy.  | <i>dog's.</i>        |
| <i>spiceiformis</i> .  | A. panicle spike-form, florets two-awn'd: one awn inserted on the receptacle longer, the other beneath the top of the corol upright, corols shaggy. S. | <i>spike-forme.</i>  |
| <i>hirfuta</i> .       | A. panicle subspliked. stem and leaves shaggy, corol-glumes awn'd on the back two-cleft at top. S.   | <i>shaggy.</i>       |

\* \* awnless.

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| <i>stolonifera</i> . | 8. A. branchlets of panicle expanding awnless, culm creeping, calyxes equal. | <i>stole-bearing.</i> |
|----------------------|--|-----------------------|

9. A



- capillaris.* 9. A. panicle capillary expanding, calyxes awl'd equal hispidish colour'd, florets awnless. *capillary.*
- sylvatica.* 16. A. panicle condensed awnless, calyxes equal: the virgin ones shorter than the corol, the fecundated one twice as long. *wood.*
- alba.* 10. A. panicle loose, calyxes awnless equal, culm creeping. *white.*
- pumila.* 19. A. panicle awnless one-rank'd, culms fascicled erect. *dwarf.*
- minima.* 11. A. panicle awnless thread-form. *least.*
- virginica.* 12. A, panicle contracted awnless, leaves involute-wing-like rigid standing out. *virginian.*
- mexicana.* 20. A. panicle oblong collected, calyxes and corol pointed subequal awnless. *mexican.*
- indica.* 13. A. panicle contracted awnless, racemes lateral erect alternate. *indian.*
- cruciata.* 15. A. spikes fourfold cross'd smooth at the base, valvelets petal-like awn'd. *cross'd.*
- radiata.* 14. A. spikes mostly fivefold cross'd villous at the base, valvelets petal-like awn'd. *radiate.*
- tenacissima.* A. panicle contracted thread-form, flowers awnless linear, valvelets parallel. S. *most tenacious.*

81. AIRA. *Cal.* 2-valved, 2-flower'd. *Florets* without an interposed rudiment.

\* *awnless.*

- arundinacea.* 4. A. panicle oblong one-rank'd awnless imbricated, leaves flat. *reedy.*
- minuta.* 5. A. panicle loose almost level-top'd remotest florets awnless. *minute.*
- aquatica.* 6. A. panicle expanding, flowers awnless polish'd longer than the calyx, leaves flat. *aquatic.*
- capensis.* A. culm branchy, flowers racemed, corols hairy. S. *cape.*

\* \* *awn'd.*

- subspicata.* 7. A. leaves flat, panicle spiked, florets awn'd on the middle; awn reflected loose. *subspiked.*
- cœspitosa.* 8. A. leaves flat, panicle expanding, petals villous and awn'd at the base: awn straight short. *turfy.*
- flexuosa.* 9. A. leaves bristly, culms nakedish, panicle divaricated, peduncles winding. *winding.*
- montana.* 10. A. leaves bristly, panicle narrow'd, florets hairy at the base awn'd: awn twisted longer. *mountain.*

N

II. A.

98. THREE MALES. TWO FEMALES. *Agrostis*.

- alpina*. 11. A. leaves awl'd, panicle dense, florets hairy at the base awn'd : awn short. *alpine.*
- canescens*. 12. A. leaves bristly : the spathy summit roll'd up beneath against the panicle. *hoary.*
- præcox*. 13. A. leaves bristly : sheaths angled, flowers panicle-spiked, florets awn'd at the base. *early.*
- caryophyllea*. 14. A. leaves bristly, panicle divaricated, flowers awn'd distant. *clove.*
- villosa*. A. leaves awl'd, panicle elongated narrow'd, florets one and half shaggy awn'd : awn straight short. *villous.*  
S.

82. MELICA. *Cal.* 2-valved, 2-flower'd. *Rudiment* of a flower amongst the florets.

- ciliata*. 1. M. exterior petal of the lower floret fringed. *fringed*
- nutans*. 2. M. petals beardless, panicle nodding simple. *nodding.*
- minuta*. 5. M. culm branchy, leaves bristly, petals beardless. *minute.*
- cærulea*. M. panicle condensed, flowers cylindric. *blue.*
- papilionacea*. 4. M. inferior valvelet of the calyx largest colour'd, exterior petal somewhat fringed, *papilionaceus.*
- altissima*. 3. M. petals beardless, panicle most branchy. *tallest.*
- Falx*. M. spike one-rank'd compress'd imbricated. *S. Sickle.*

83. POA. *Cal.* 2-valved, many-flower'd. *Spikelets* egg'd ; valvelets parch'd at the margin acutish.

- aquatica*. 1. P. panicle diffuse, spikelets six-flower'd linear. *aquatic.*
- alpina*. 3. P. panicle diffuse most branchy, spikelets six-flower'd hearted. *alpine.*
- trivialis*. 4. P. panicle diffuse, spikelets three-flower'd pubescent at the base, culm erect columnar. *trivial.*
- angustifolia*. 5. P. panicle diffuse, spikelets four-flower'd pubescent, culm erect columnar. *narrow-leaved.*
- pratensis*. 6. P. panicle diffuse, spikelets five-flower'd smooth, culm erect columnar. *meadow.*
- annua*. 7. P. panicle diffuse with right angles, spikelets obtuse, culm oblique compress'd. *annual.*
- flava*. 8. P. panicle diffuse, spikelets egg-oblong glossy. *yellow.*
- pilosa*. 9. P. panicle expanding upright : the primary ramifications hairy. *hairy.*

2. P.

- palustris.* 2. P. panicle diffuse, spikelets mostly three-flower'd pubescent, leaves rugged underneath. *marsh.*
- punctata.* P. panicle diffuse, spikelets twelve flower'd: flower transparent polish'd with a brown spot within. *S. dotted.*
- amabilis.* 10. P. panicle expanding, spikelets eighteen-flower'd linear. *amiable.*
- Eragrostis.* 11. P. panicle expanding, pedicels winding, spikelets saw'd ten-flower'd, glumes three-nerved.
- capillaris.* 12. P. panicle loose most expanding capillary, leaves hairy culm most branchy. *capillary.*
- malabarica.* 13. P. branches of the panicle simplest, flowers sessile, seeds distant, culm creeping. *malabar.*
- chinensis.* 14. P. branches of the panicle simplest, flowers sessile, seeds imbricated, culm erect. *chinese.*
- tenella.* 25. P. panicle oblong capillary subverticil'd, flowers six-flower'd minutest nodding. *tender.*
- rigida.* 16. P. panicle lanced thinly branch'd one-rank'd: alternate branchlets one-rank'd. *rigid.*
- compressa.* 17. P. panicle condensed one-rank'd, culm oblique compressed. *compress'd.*
- amboinensis.* P. panicle condensed one-rank'd, culm columnar. *amboina.*
- nemoralis.* 18. P. panicle attenuated, spikelets mostly two-flower'd dagger'd rugged, culm incurved. *grove.*
- bulbosa.* 19. P. panicle one-rank'd rather expanding, spikelets four-flower'd. *bulbous.*
- spicata.* 22. P. panicle spiked, flowers awl'd, florets remote. *spiked.*
- distans.* 23. P. panicle with branches subdivided, flowers five-flower'd: florets distant obtuse. *distant.*
- cristata.* 21. P. panicle spiked, calyxes somewhat hairy mostly four-flower'd longer than the peduncle, petals awn'd. *crested.*
- ciliaris.* 20. P. panicle contracted, interior valvelets of the glumes hair-fringed. *fringed.*
- Brizoides.* P. panicle racemed, spikelets egg'd compressed eight or nine-flower'd, culm compressed. *S. Brizalike.*

84. BRIZA. *Cal.* 2-valved, many-flower'd. *Spikelets* two-rank'd with valvelets hearted, obtuse: the interior one minute.

- minor.* 1. B. spikelets triangular, calyx longer than the florets. *less.*

100. THREE MALES. TWO FEMALES. *Briza*.

- virens*. 2. B. spikelets egg'd, calyx equal to the florets. *flourishing*.  
*media*. 3. B. spikelets egg'd, calyx shorter than the florets. *middle*.  
*maxima*. 4. B. spikelets hearted: florets seventeen. *greatest*.  
*Eragrostis*. 5. B. spikelets lanced: florets twenty.

85. *UNIOLA*. *Cal.* many-valved. *Spikelets* egg'd keel'd.

- paniculata*. 1. U. panicled with spikelets egg'd. *panicled*.  
*bipinnata*. 2. U. panicle subspiked, racemes feather'd imbricated underneath. *twice-feather'd*.  
*mucronata*. 3. U. spike two-rank'd, spikelets egg'd, calyxes somewhat awn'd. *dagger'd*.  
*spicata*. 4. U. subspiked, leaves involute rigid. *spiked*.

86. *DACTYLIS*. *Cal.* 2-valved, compressed; one valvelet greater keel'd.

- cynosuroides*. 1. D. spikelets scatter'd one-rank'd rugged numerous. *dogtail-like*.  
*glomerata*. 2. D. panicle one-rank'd glomerate. *glomerate*.  
*ciliaris*. D. spike headed one-rank'd, calyxes three-flower'd, stem creeping. *fringed*.  
*capitata*. D. spikes headed polish'd, culm prostrate branchy. *headed*.  
*lagopoides*. 3. D. spikes roundish pubescent, culm prostrate branchy. *haresfoot-like*.

87. *CYNOSURUS*. *Cal.* 2-valved, many-flower'd; proper *Receptacle* one-sided, leafy. *Dog-tail*.

- cristatus*. 1. C. bractes feather-cleft. *crested*.  
*echinatus*. 2. C. bractes feather-chaffy awn'd. *hedgehog*.  
*Lima*. 3. C. spike one-rank'd, interior glume of the calyx under the spikelets. *Lima*.  
*durus*. 4. C. spikelets one-rank'd alternate sessile rigid obtuse appressed. *hard*.  
*cæruleus*. 5. C. bractes intire. *blue*.  
*uniola*. C. bractelets, spike one-rank'd, spikelets two-faced, alternating appressed egg'd keel'd oblique. *S*.  
*coracanus*. 9. C. spikes finger'd incurvate, culm compressed erect leaves almost opposite.

- ægyptius.* 7. C. spikes finger'd fourfold obtuse most expanding dagger'd, calyxes dagger'd, stem creeping leaves opposite. *egyptian.*
- indicus.* 8. C. spikes finger'd linear, culm compress'd declined knotted at the base, leaves alternate. *indian.*
- virgatus.* 6. C. panicle with simple branches, flowers sessile mostly six-flower'd: the last barren, the lowest ones somewhat awn'd. *twiggy.*
- aureus.* 10. C. spikelets of the panicle barren pendulous three'd, flowers awn'd. *golden.*

88. FESTUCA. *Cal.* 2-valved. *Spikelets* oblong, roundish, glume pointed. *Fescue.*

\* *panicle one-rank'd.*

- bromoides.* 10. F. panicle one-rank'd: spikelets erect, one valvelet of the calyx intire, one pointed. *bromus-like.*
- ovina.* 1. F. panicle one-rank'd condensed awn'd, culm four-corner'd nakedish, leaves bristly. *sheeps.*
- rubra.* 5. F. panicle one-ranked rugged, spikelets six-flower'd awn'd: last floret awnless, culm semi-columnar. *red.*
- amethystina.* 6. F. panicle winding, spikelets one-rank'd inclined somewhat awn'd, leaves bristly. *amethyst.*
- reptatrix.* 2. F. branches of the panicle simple, spikelets subsessile. *creeper.*
- duriuscula.* 3. F. panicle one-rank'd oblong, spikelets oblong polish'd, leaves bristly. *hardish.*
- dumetorum.* 4. F. panicle spike-form pubescent, leaves thread-form. *bush.*
- myurus.* 8. F. panicle spiked, calyxes minutest awnless, flowers rugged: awns long. *mousetail.*
- spadicea.* F. panicle one-rank'd, calyxes five-flower'd: the last floret barren, leaves polish'd. *spadix.*
- phænicoides.* 16. F. raceme undivided, spikelets alternate subsessile columnar, leaves involute dagger-pungent. *phænix-like.*

\* \* *panicle equal.*

- fusca,* 7. F. panicle erect branchy, spikelets sessile keel'd awnless. *brown.*
- decumbens.* 12. F. panicle erect, spikelets rather egg'd awnless, calyx greater than the florets, culm decumbent. *decumbent.*

- elator*. 13. F. panicle one-rank'd erect, spikelets somewhat awn'd: the exterior ones columnar. taller.
- fluitans*. 14. F. panicle branchy erect, spikelets subseffile columnar awnless. floating.
- crifata*. 15. F. panicle spiked lobed, spikelets egg'd broad six-flower'd shaggy. crested.
- calycina*. 11. F. panicle contracted, spikelets linear, calyx longer than the florets, leaves bearded at the base. calyx.
- spinofa*. F. shrubby, branches and branchlets thorny, pedicels prickly. S. thorny.

89. *BROMUS*. *Cal.* 2-valved. *Spikelets* oblong columnar two-rank'd: awn beneath the summit.

- secalinus*. 1. B. panicle expanding, spikelet egg'd: awns straight feeds distinct. rye.
- mollis*. 2. B. panicle erectish, spikelets egg'd pubescent: awns straight, leaves most softly villous. soft.
- fquarrosus*. 2. B. panicle nodding, spikes egg'd: awns divaricated. ragged.
- purgans*. 4. B. panicle nodding curled, leaves naked on both sides: sheaths hairy, glumes villous. purgative.
- asper*. B. panicle nodding rough, spikelets villous awn'd, leaves rugged. S. rough.
- inermis*. B. panicle erect, spikelets subcolumnar awl'd naked almost awnless. unarm'd.
- nemoralis*. B. panicle nodding rugged, spikelets villous awn'd leaves rugged. grove.
- ciliatus*. 5. B. panicle nodding, leaves and sheaths hairyish on both sides, glumes fringed. fringed.
- sterilis*. 6. B. panicle expanded, spikelets oblong two-rank'd, glumes awl-awn'd. sterile.
- arvensis*. 7. B. panicle nodding, spikelets egg-oblong. field.
- geniculatus*. 19. B. panicle erect, florets distant, peduncles angled, culm with a procumbent knee. knotted.
- tectorum*. 8. B. panicle nodding, spikelets linear. wall.
- giganteus*. 12. B. panicle nodding, spikelets four-flower'd: awns shorter. gigantic.
- rubens*. 10. B. panicle fascicled, spikelets subseffile villous: awns erect. blushing.
- scoparius*. 11. B. panicle fascicled, spikelets subseffile smooth: awns expanded. brush.

18. B.

- rigens.* 18. B. panicle spiked: spikelets subsessile erect pubescent chiefly four-flower'd. *stiffening.*
- racemosus.* 13. B. raceme most simple, peduncles one-flower'd, flowers six-flower'd polish'd awn'd. *racemed.*
- triflorus.* 16. B. panicle expanding, flowers chiefly three-flower'd. *three-flower'd.*
- madritensis.* 9. B. panicle thinner erect-expanded, spikelets linear: the intermediate ones double, pedicels thickened above. *madrid.*
- ramosus.* 20. B. culm most branchy, spikelets sessile, leaves involute-awn'd. *branchy.*
- pinnatus.* 14. B. culm undivided, spikelets alternate subsessile columnar somewhat awn'd. *feather'd.*
- cristatus.* 15. B. spikelets two-rankwise imbricated sessile depress'd. *crested.*
- distachyos.* 17. B. spikes two erect alternate. *two-spiked.*
- stipoides.* B. panicle erectish, peduncles sword-form. *stipa-like.*

90. STIPA. *Cal.* 2-valved, one-flower'd. *Cor.* exterior valve with a terminal awn: base jointed.

- pennata.* 1. S. awns woolly. *feather'd.*
- juncea.* 3. S. awn naked straight, calyxes longer than the seed polish'd within. *rush.*
- capillata.* 2. S. awns naked curved, calyxes longer than the seed, leaves pubescent within. *hairy.*
- Aristella.* S. awns naked straight scarcely twice as long as the calyx. *awnlet.*
- spicata.* S. awns half-naked, flowers spiked. *S. spiked.*
- tenacissima.* 4. S. awnhairy at the base, panicle spiked, leaves thread-form. *most tenaceous.*
- avenacea.* 5. S. awns naked, calyxes equalling the seed. *oat.*
- membranacea.* 6. S. pedicels dilated membranous, *membranous.*
- arguens.* 7. S. awns naked, bractes bearded at the base, florets sessile-fascicled. *creeping.*
- spinifex.* 8. S. florets awnless, bractes of the heads fascicled greatest dagger'd. *thorn-making.*

91. AVENA. *Cal.* 2-valved, many-flower'd: awn dorsal contorted. *Oat.*

- sibirica.* 1. A. paniced, calyxes one-flower'd, seeds shaggy, awn thrice as long as the calyx. *siberian.*
- elator.* 2. A. paniced, calyxes two-flower'd, the hermaphrodite floret almost awnless, the male one awn'd. *taller.*
- stipiformis.* 15. A. paniced, calyxes two-flower'd, awns twice as long as the seed, culm branchy. *stipe-form.*
- penylvanica.* 3. A. panicle attenuated, calyxes two-flower'd, seeds villous, awns twice as long as the calyx. *pen-sylvanian.*
- loeflingiana.* 4. A. panicle contracted, florets two-fold, one peduncled, both two-awn'd at top, awn on the back reflected. *loeflingian.*
- sativa.* 5. A. paniced, calyxes two-seeded, seeds polish'd one awn'd. *cultivated.*
- nuda.* 6. A. paniced, calyxes three-flower'd, receptacle exceeding the calyx, petals awn'd on the back: the third floret awnless. *naked.*
- fatua.* 7. A. paniced, calyxes three-flower'd, all the florets awn'd and hairy at the base. *fools.*
- sesquitertia.* 15. A. paniced, calyxes chiefly three-flower'd, all the florets awn'd, receptacles bearded. *sesquiterian.*
- pubescens.* 13. A. subspiked, calyxes chiefly three-flower'd hairy at the base, leaves flat pubescent. *pubescent.*
- sterilis.* 8. A. paniced, calyxes five-flower'd: the exterior florets and awns hairy at the base, the interior awnless. *sterile.*
- flavescens.* 9. A. panicle loose, calyxes three-flower'd short, all the florets awn'd. *yellowish.*
- fragilis.* 10. A. spiked, calyxes four-flower'd longer than the floret. *fragile.*
- pratensis.* 11. A. subspiked, calyxes five-flower'd. *meadow.*
- spicata.* 12. A. spiked, calyxes six-flower'd longer: the exterior petal awn'd and fork'd at top. *spiked.*
- bromoides.* 14. A. subspiked, spikelets two'd: one peduncled, with awns divaricated, calyxes eight-flower'd. *bromus-like.*
- bispida.* A. calyxes three-flower'd hairy. *S. bispid.*
- capensis.* A. panicle condensed, calyxes two-flower'd awl'd, corol pubescent, intermediate awn twisted curved. *S. cape.*
- purpurea.* A. panicle condensed, calyxes three-flower'd egg'd, corols villous: exterior glume two-cleft, awn terminal inflected. *S. purple.*
- A.



- lutea.* A. panicle expanding, calyxes two-flower'd awl'd, corols naked three-awn'd; intermediate awn winding. *S.* *yellow.*
- læflingiana.* A. panicle condensed, florets two-fold shaggy: one peduncled two-awn'd at top, intermediate awn longer. *S.* *læflingian.*
- tupulina.* A. panicle condensed egg'd, calyxes three-flower'd lanced, corols villous, exterior glume twice-awn'd, intermediate awn reflected. *S.* *tupuline.*

92. LAGURUS. *Cal.* 2-valved: awn villous. *Cor.* exterior petal with two terminal awns; the third dorsal one retorted. *Hareftail.*

- ovatus.* 1. L. spike egg'd awn'd. *egg'd.*
- cylindricus.* 2. L. spike cylindric awnless, *cylindric.*

93. ARUNDO. *Cal.* 2-valved. *Florets* collected, girt with wool. *Reed.*

- Bambos.* 1. A. calyxes many-flower'd, spikes threefold sessile. *Bambo.*
- Donax.* 2. A. calyxes five-flower'd, panicle diffuse, culm shrubby.
- phragmitis.* 3. A. calyxes five-flower'd, panicle loose. *hedg.*
- epigeios.* 4. A. calyxes one-flower'd, panicle erect, leaves smooth underneath. *land.*
- Calomagrostis.* 5. A. calyxes one-flower'd polish'd, corols woolly, culm branchy.
- arenaria.* 6. A. calyxes one-flower'd, leaves involute dagger-pungent. *land.*

94. ARISTIDA. *Cal.* 2-valved. *Cor.* one-valved: awns three terminal.

- adscensionis.* 1. A. panicle branchy, spikes scatter'd. *adscension.*
- americana.* 2. A. branches of the panicle simplest, spikes alternate. *american.*
- plumosa.* 3. A. paniced, intermediate awn longer woolly, culms villous. *plumy.*
- arundinacea,* A. paniced, intermediate awn longer polish'd. *reed.*
- gigantea.* A. panicle elongated effuse one-rank'd, calyxes one-flower'd, corol-awns subequal straight. *S.* *giant.*

106. THREE MALES. TWO FEMALES. Aristida.

*Hystrix*. A. panicle divaricated most expanded, florets simplest smooth, awns straight divaricated. *S. porcupine*.

95. LOLIUM. *Cal.* 1-leaved, fix'd, many-flower'd.

*perenne*. 1. A. spike awnless, spikelets compress'd many-flower'd. *perennial*.

*tenuis*. 2. L. spike awnless columnar: spikelets three-flower'd. *slender*.

*temulentum*. 3. L. spike awn'd, spikelets compress'd many-flower'd. *drunken*.

*distachion*. L. spike two'd, calyxes one-flower'd, corols woolly. *two-spike*.

96. ELYMUS. *Cal.* lateral, 2-valved, aggregate many-flower'd.

*arenarius*. 1. E. spike erect close, calyxes downy longer than the florets. *sand*.

*sibiricus*. 3. E. spike pendulous close, spikelets two'd, longer than the calyx. *siberian*.

*philadelphicus*. 2. E. spikes pendulous expanded, spikelets six-flower'd: inferior ones three'd. *philadelphian*.

*canadensis*. 4. E. spike nodding expanded, inferior spikelets three'd: superior ones two'd. *canadian*.

*caninus*. 8. E. spike nodding close, spikelets straight without an involucre: the lowest double. *dog's*.

*virginicus*. 5. E. spike erect, spikelets three-flower'd, involucre striated. *virginian*.

*europæus*. 9. E. spike erect: spikelets two-flower'd, equalling the involucre. *european*.

*caput medusæ*. 6. E. spikelets two-flower'd, involucre bristly most expanding. *medusa's head*.

*Hystrix*. 7. E. spike erect, spikelets destitute of an involucre most expanding. *porcupine*.

*tener*. E. spike pendulous florets double. *S. tender*.

97. SECALE. *Cal.* opposite, 2-valved, 2-flower'd, solitary. *Rye*.

*cereale*. 1. S. fringes of the glumes rugged. *harvest*.

*villosum*. 2. S. fringes of the glumes villous, calyx-scales wedge-form. *villous*.

*orientale*. 3. S. glumes shaggy, calyx-scales awl'd. *eastern*.

*creticum*. 4. S. glumes fringed outwardly. *cretan*.

98. HORDEUM,

98. HORDEUM. *Cal.* lateral, two-valved, one-flower'd threefold. *Barley.*

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|---------------------|---|--------------------|
| <i>vulgare.</i>     | 1. H. florets all hermaphrodite awn'd: with two orders more erect.    | <i>common.</i>     |
| <i>hexastichon.</i> | 2. H. florets all hermaphrodite awn'd, seeds placed equally six-wise. | <i>six-rank'd.</i> |
| <i>distichon.</i>   | 3. H. florets lateral male awnless, seeds angular imbricated.         | <i>two-rank'd.</i> |
| <i>Zeocrithon.</i>  | 4. H. florets lateral male awnless, seeds angular expanding bark'd.   |                    |
| <i>bulbosum.</i>    | 5. H. florets all threefold fertile awn'd, involucre bristly fringed. | <i>bulbous.</i>    |
| <i>nodosum.</i>     | 7. H. florets lateral male awnless, involucre bristly polish'd.       | <i>knotted.</i>    |
| <i>murinum.</i>     | 6. H. florets lateral male awn'd, intermediate involucre fringed.     | <i>mouse.</i>      |
| <i>jubatum.</i>     | 8. H. awns and involucre bristly longest.                             | <i>hackled.</i>    |

99. TRITICUM. *Cal.* 2-valved, solitary, mostly three-flower'd. *Flower* obtusish, acute. *Wheat.*

\* *annual.*

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|--------------------|---|-------------------|
| <i>æstivum.</i>    | 1. T. calyxes four-flower'd bellied smooth imbricated awn'd.                                  | <i>summer.</i>    |
| <i>hybernum.</i>   | 2. T. calyxes four-flower'd bellied polish'd imbricated almost awnless.                       | <i>winter.</i>    |
| <i>compositum.</i> | 3. T. calyx four-flower'd bellied, spike compound.  | <i>compound.</i>  |
| <i>turgidum.</i>   | 3. T. calyxes four-flower'd bellied villous imbricated obtuse.                                | <i>turgid.</i>    |
| <i>polonicum.</i>  | 4. T. calyxes two-flower'd naked, florets with longest awns, teeth of the rachis bearded.     | <i>polish.</i>    |
| <i>Spelta.</i>     | 5. T. calyxes four-flower'd lop'd, florets awn'd hermaphrodite; the intermediate one neutral. |                   |
| <i>monococcum.</i> | 6. T. calyxes mostly three-flower'd; the first awn'd, the intermediate one sterile.           | <i>one-grain.</i> |
| <i>prostratum.</i> | T. calyxes many-flower'd, spike two rank'd egg'd, florets imbricated awn-dagger'd. <i>S.</i>  | <i>prostrate.</i> |
| <i>compositum.</i> | T. spike compound, spikelets crowded awn'd. <i>S.</i>   | <i>compound.</i>  |
| <i>pumilum.</i>    | T. spike egg'd, glumes somewhat awn'd: calyx ones two-furrow'd. <i>S.</i>                     | <i>dwarf.</i>     |

108. THREE MALES. TWO FEMALES. *Triticum*.

\* \* *perennial*.

- junceum*. 8. T. calyxes five-flower'd lop'd, leaves involute. *rush*.  
*repens*. 9. T. calyxes four-flower'd awl'd pointed, leaves flat. *creeping*.  
*maritimum*. 10. T. calyxes many-flower'd, florets dagger'd, spike *sea*.  
                   branchy.  
*tenellum*. 7. T. calyxes mostly four-flower'd, florets awnless acute, *tender*.  
                   leaves bristly.  
*unilaterale*. 11. T. calyxes one-sided alternate awnless. *one-sided*.

1359. ANTHISTIRIA. *Cal.* equally cleft to the base into four equal divisions. *S.*

*ciliata*. ANTHISTIRIA. *S.* *fringed*.

1360. ROTTBOELLIA, *Rachis* jointed, roundish, in many thread-form. *Calyx* egg-lanced, flat, simple or 2-parted. *Florets* alternate on the winding rachis. *S.*

- incurvata*. R. spike columnar awl'd, calyx-glume awl'd appress'd  
                   2 part. d. *S.* *incurvated*.  
*compressa*. R. spike compress'd awl'd, calyx-glume lanced flat  
                   undivided. *compress'd*.  
*dimidiata*. R. spike halved compress'd linear : exterior side aggregate  
                   floretted, interior one smooth naked. *S.*  
                   *halved*.  
*exaltata*. R. spike columnar thread-form floretted, on all sides,  
                   glumes egg'd obtuse, sheaths hair-dotted. *S.*  
                   *exalted*.  
*corymbosa*. R. spikes aggregate lateral thread-form, florets two-  
                   faced expanding, leaves fringed at the base. *S.*  
                   *corymbed*.

THREE FEMALES.

(*Trigynia*.)

100. ERIOCAULON. *Cal.* common, head imbricated. *Petals* 3, equal. *Stamens* above the germ.

- triangulare*. 1. E. culm triangular, leaves sword-form, head egg'd.  
                   *triangular*.  
                   2. E.

- quinquang: 2. E. culm five-angled, leaves sword-form. *five-angled.*  
 sexangulare. 3. E. culm six-angled, leaves sword-form. *six-angled.*  
 setaceum. 4. E. culm six-angled, leaves bristly. *bristly.*  
 decangulare. 5. E. culm ten-angled, leaves sword-form. *ten-angled.*

101. MONTIA. *Cal.* 2-leaved. *Cor.* 1-petal'd irregular. *Capsf.* 1-cell'd, 3-valved.

*fontana.* 1. MONTIA. *fountain.*

102. PROSERPINACA. *Cal.* 3-parted, above. *Cor.* 0. *Seed* 1, three-cell'd.

*palustris.* 1. PROSERPINACA. *marsh.*

103. TRIPLARIS. *Cal.* greatest, three-parted. *Cor.* 0. *Anthers* linear. *Nut* 3-sided within the egg'd base of the calyx,

*americana.* 1. TRIPLARIS. *american.*

104. HOLOSTEUM. *Cal.* 5-leaved, *Petals* 5. *Capsf.* 1-cell'd, subcylindric, gaping at top.

- cordatum.* 1. H. leaves inverse-hearted. *hearted.*  
*fucculentum.* 2. H. leaves elliptic fleshy. *fucculent.*  
*hirsutum.* 3. H. leaves orbicular shaggy. *shaggy.*  
*umbellatum.* 4. H. leaves umbel'd. *umbel'd.*

1241. KOENIGIA. *Cal.* 3-leaved. *Cor.* none. *Seed* 1, egg'd, naked.

*islandica.* 1. KOENIGIA. *iceland.*

105. POLYCARPON. *Cal.* 5-leaved. *Petals* 5, very small, egg'd. *Capsf.* 1-cell'd, 3-valved.

- magellanicum.* 2. stems very simple, leaves linear scatter'd imbricated. *S.* *magellan.*  
*tetraphyllum.* 1. stem branchy prostrate, leaves fourfold. *S.* *four-leaved.*

106. MOLLUGO. *Cal.* 5-leaved. *Cor.* 0. *Capsf.* 3-cell'd, 3-valved.

- oppositifolia.* 1. M. leaves opposite lanced, branches alternate, peduncles lateral crowded one-flower'd. *opposite-leaved.*  
 2. M.

110. THREE MALES. THREE FEMALES. Mollugo.

- stricta*. 2. M. leaves somewhat fourfold lanced, flowers paniced nodding, stem erect angular. *upright.*  
*pentaphylla*. 3. M. leaves fivefold, inverse-egg'd equal, flowers paniced. *five-leaved.*  
*verticillata*. 5. M. leaves verticil'd wedge-form acute, stem subdivided decumbent, peduncles one-flower'd. *verticil'd.*

107. MINUARTIA. *Cal.* 5-leaved. *Cor.* 0. *Capsf.* 1-cell'd, 3-valved. *Seeds* a few.

- dichotoma*. 1. M. flowers of the fork crowded. *two-fork'd.*  
*campestris*. 2. M. flowers terminal alternate, longer than the bracte. *field.*  
*montana*. 3. M. flowers lateral alternate, shorter than the bracte. *mountain.*

108. QUERIA. *Cal.* 5-leaved. *Cor.* 0. *Capsf.* 1-cell'd, 3-valved, *Seed* 1.

- hispanica*. 1. Q. flowers crowded. *spanish.*  
*canadensis*. 2. Q. flowers solitary, stem two-fork'd. *canadian.*

109. LECHEA. *Cal.* 3-leaved. *Petal* 3, linear. *Capsf.* 3-cell'd, 3-valved, with as many interior valvelets. *Seed* 1.

- minor*. 1. L. leaves linear-lanced, flowers paniced. *less.*  
*major*. 2. L. leaves egg-lanced, flowers lateral straggling. *greater.*



- 142 PLANTAGO. Cor. refracted. Cal. 4-parted. Caps. 2-cell'd circumscribed.
- 137 POLYPREMUM. Cor. wheel'd. Cal. 4-leaved. Caps. 2-cell'd, end-nick'd.
- 140 BUDDLEIA. Cor. bell'd. Cal. 4-cleft, Caps. 2-cell'd, 2-furrow'd.
141. EXACUM. Cor. somewhat bell'd. Cal. 4-leaved, Caps. 2-cell'd compress'd.
- 138 PENAEA. Cor. bell'd. Cal. 2-leaved. Caps. 4-cell'd, 4-valved.
- 139 BLAERIA. Cor. somewhat bell'd. Cal. 4-parted. Caps. 4-cell'd, gaping at the angles.

\* *Swertia corniculata, dichotoma.*

\* *The four-cleft Gentians.*

*Flowers one-petal'd, one-fruited, above.*

- 132 PAVETTA. Cor. tubular. Cal. 4-tooth'd. Berry one-seeded.
- 131 IXORA. Cor. tubular. Cal. 4-parted. Berry 2-cell'd. Seeds 2.
- 133 PETESIA. Cor. tubular. Cal. 4-tooth'd. Berry 2-cell'd, many-seeded.
- 130 CATESBAEA. Cor. tubular. Cal. 4-tooth'd. Berry one-cell'd many-seeded.
- 134 MITCHELLA. Cor. 2, tubular. Cal. 4-tooth'd. Berry 4-seeded, two-flower'd, two-cleft.
- 118 HEDIOTIS. Cor. tubular. Cal. 4-parted. Caps. twins, many-seeded gaping at top.
- 154 OLDENLANDIA. Cor. tubular. Cal. 4-parted. Caps. twins, many-seeded gaping between the teeth.
- 1338 MANNETTIA. Cor. tubular. Cal. 8-leaved. Caps. 2-cell'd.
- 146 SANGUISORBA. Cor. flat. Cal. 2-leaved. Caps. 4-corner'd, between the calyx and corol.

\* *Coffea occidentalis.*

\* *Peplis tetrandra.*

*Flowers one-petal'd, two-grain'd, beneath.*

- 124 HOUSTONIA. Cor. tubular. Cal. 4-tooth'd. Caps. 2-cell'd, 2-valved.
- 1242 SCABRITA. Cor. tubular. Cal. tubular lop'd. Seeds compress'd, end-nick'd,

*Flowers*



*Flowers one-petal'd, two-grain'd, above. Star'd.*

127. RUBIA. Cor. bell'd. Fruit berried.  
 125 GALIUM. Cor. flat. Fruit subglobular.  
 121 ASPERULA. Cor. tubular. Fruit subglobular.  
 120 SCHERARDIA. Cor. tubular. Fr. crown'd. Seeds 3-tooth'd.  
 119 SPERMACOCE. Cor. tubular. Fr. crown'd. Seeds 2-tooth'd.  
 123 KNOXIA. Cor. tubular. Fr. two-partible, furrow'd.  
 122 DIODIA. Cor. tubular. Fr. 4-corner'd, crown'd, 2-valved.  
 126 CRUCIANELLA. Cor. tubular, awn'd. Fr. naked. Seeds linear.

*Flowers one-petal'd, four-grain'd, beneath:*

- 129 SIPHONANTHUS. Cor. tubular. Cal. 5-parted. Berries 4, one-seeded.

*Flowers four-petal'd, beneath.*

- 148 EPIMEDIUM. Petals nectaries 4 incumbent. Cal. 4-leaved. Siliqua one-cell'd.  
 144 RHACOMA. Pet. edged. Cal. 4-cleft. Capsf. one-seeded.  
 152 PTELEA. Pet. leathery. Cal. 4-parted. Drupe juiceless, compres'd.  
 1291 SAMARA. Pet. a pit at the base. Cal. 4-parted. Drupe roundish. Stigma funnel-form  
 150 FAGARA. Pet. shorter than the stamens. Cal. 4-cleft. Capsf. 2-valved, 1-seeded.  
 255 AMMANIA. Pet. very seldom present. Cal. tubular, 8-tooth'd. Capsf. 4-cell'd.  
 1362 BANKSIA. Pet. claws linear, borders covering. Cal. ament.  
 1363 HARTOGIA. Pet. expanding. Cal. 5-cleft. Drupe egg'd.  
 \* *Cardamine hirsuta.*  
 \* *Euonymus europæus.*

*Flowers four-petal'd above.*

- 157 TRAPA. Cal. 4-parted. Nut arm'd with conical opposite thorns.  
 147 CISSUS. Cal. surrounding the germ. Berry one-seeded.  
 149 CORNUS. Cal. 4-tooth, deciduous. Drupe with nucleus 2-cell'd.  
 153 LUDWIGIA. Cal. 4-parted. Capsf. 4-cell'd, 4-corner'd.  
 480 SANTALUM. Cor. 4-petal'd growing on the calyx. Berry one-seeded.  
 1364 EMBOTHRIMUM. Cal. o. Follicle one-cell'd.

*Flowers incomplete, beneath.*

- 1244 STRUTHIOLA. Cor. 4-cleft. Berry 1-seeded, dry. Nectary with 8 glands.
- 161 CRAMERIA. Cor. 4-petal'd. Berry dry, 1-seeded, hedge-hog'd.
- 162 RIVINA. Cor. 4-petal'd. Berry one-seeded. Seed rugged.
- 163 SALVADORA. Cal. 4-cleft. Berry one-seeded. Seed aril'd.
- 164 CAMPHOROSMA. Cal. 4-cleft. Caps. one-seeded.
- 165 ALCHEMILLA. Cal. 8-cleft. Seed 1, included in the calyx.
- 158 DORSTENIA. Cal. receptacle flat, fleshy, common.
- 1243 COMETES. Umbel 4-leaved, 3-flower'd. Caps. 3-grain'd.
- \* *Corchorus Coreta.*
- \* *Ammannia.*
- \* *Convallaria bifolia.*

*Flowers incomplete, above.*

- 1292 SIRIUM. Cal. bell'd. Berry 3-cell'd. Nectary 4-leaved.
- 1293 ACAENA. Cal. 4-leaved. Berry hedge-hog'd, 1-seeded.
- 156 ISNARDIA. Cal. bell'd, permanent. Caps. 4-cell'd.
- 159 ELÆAGNUS. Cal. bell'd, deciduous. Drupe.
- \* *Thesium alpinum.*

## T W O F E M A L E S.

*( Digynia. )*

- 168 BUFONIA. Cor. 4-petal'd. Cal. 4-leaved. Caps. 1-cell'd, 2-valved, 2-seeded.
171. HYPECOUM. Cor. 4-petal'd, unequal. Cal. 2-leaved. Siliqua.
- 169 HAMAMELIS. Cor. 4-petal'd, longest. Cal. double. Nut 2-cell'd, 2-horn'd.
- 170 CUSCUTA. Cor. 4-cleft, egg'd. Cal. 4-cleft. Caps. 2-cell'd, circumcised.
- 166 APHANES. Cor. 0. Cal. 8-cleft. Seeds 2.
- 167 CRUZITA. Cor. 0. Cal. 4-leaved: exterior one 3-leaved. Seed 1.
- 1365 GOMOZIA. Cor. 4-cleft. Cal. 0. Berry 2-cell'd.
- \* *Herniaria fruticosa.*
- \* *Gentiana.*
- \* *Swertia.*

## F O U R F E M A L E S .

*(Tetragynia.)*

- 172 ILEX. *Cor.* 1-petal'd. *Cal.* 4-tooth'd. *Berry* 4-  
seeded.
- 173 COLDENIA. *Cor.* 1-petal'd. *Cal.* 4-leaved. *Seeds* 2, two-  
cell'd.
- 176 SAGINA. *Cor.* 4-petal'd. *Cal.* 4-leaved. *Capsf.* 4-cell'd,  
many-seeded.
- 177 TILLÆA. *Cor.* 3 or 4-petal'd. *Cal.* 3 or 4-leaved.  
*Capsf.* 3 or 4, many-seeded.
- 178 MYGINDA. *Cor.* 4-petal'd. *Cal.* 4-parted. *Drupe* 1-seeded.
- 174 POTAMOGETON. *Cor.* 0. *Cal.* 4-leaved. *Seeds* 4, sessile.
- 175 RUPPIA. *Cor.* 0. *Cal.* 0. *Seeds* 4, pedicel'd.

ONE FEMALE.

(*Monogynia.*)

110, 111. PROTEA. *Cor.* 4-cleft or 4-parted.

*Anthers* linear, inserted beneath the top of the petals. *Cal. proper*, 0. *Seed* 1, above.

- pinifolia.* P. flowers simple raceme-spiked smooth, leaves linear. *pine-leaved.*
- racemosa.* P. flowers simple racemed downy, leaves linear. *racemed.*
- spicata.* P. flowers spiked, leaves many-cleft. *spiked.*
- glomerata.* P. flowers corymbed, leaves many-cleft. *glomerate.*
- Serraria.* 15. P. flowers collected, leaves many-cleft.
- cyanooides.* 13. P. flowers solitary woolly, calyx shaggy, leaves many-cleft. *cyanus-like.*
- sphaerocephala.* P. flowers solitary woolly, calyx polish'd without, leaves many-cleft. *sphere-headed.*
- hirta.* 9. P. flowers lateral sessile, leave one-callous at top. *shaggy.*
- cucullata.* 10. P. flowers lateral sessile, leaves three-callous at top. *cowl'd.*
- roseacea.* P. flowers solitary: radius of the calyx colour'd expanding, leaves awl'd. *rose.*
- repens.* 5. P. flowers solitary: radius of the calyx lanced upright resinous, leaves lanced. *creeping.*
- cynaroides.* 8. P. flowers solitary: radius of the calyx lanced upright, leaves suborbicular petioled. *artichoke-like.*
- Lepidocarpo-* 4. P. flowers solitary: radius of the calyx spatuled beard-  
*dendron,* ed, leaves lanced.
- totta.* P. flowers almost double, pistils headed, corols longest distant, leaves smooth.
- Hypophyllo-* 11. P. flowers solitary, pistils club'd, leaves three-callous.  
*carpodendrum.*
- pubera.* P. flowers twofold or threefold, pistils club'd, leaves elliptic-lanced. *mature.*
- strobilina.* P. flowers imbricate-egg'd involucred chaffy smooth, leaves spatuled polish'd. *strobiline.*
- conifera.* P. flowers imbricate-egg'd involucred chaffy downy-ish, leaves narrow-lanced, *cone-bearing.*

- pallens.* P. flowers egg'd involucred chaffels polish'd, leaves linear. *pale.*
- saligna.* P. flowers egg'd involucred chaffels, leaves lanced subpubescent oblique. *willow.*
- argentea.* P. flowers egg'd involucred chaffels downy, leaves lanced villous shining. *silver.*
- Levisanus.* P. flowers hemispherical subinvolucred chaffels villous, leaves spatuled.
- divaricata.* P. flowers level-top'd, leaves oval. *divaricated.*
- purpurea.* P. flowers level-top'd, leaves thread-form undivided. *purple.*
- parviflora.* P. flowers panicled, florets nearly tenfold, leaves sub-lanced. *small-flower'd.*
- Sceptrum Gustavianum.* P. inferior leaves of the branches decomposed, superior ones undivided wedge-form smoothest, spike terminal conical. S. *Scepter of Gustavus.*
- imbricata.* P. leaves imbricated lanced, heads terminal. S. *imbricated.*
- procumbens.* P. leaves three-cleft linear, stem procumbent, heads compounded of smaller ones mostly three-flower'd solitary. S. *procumbent.*
- Bruniades criniflora.* P. leaves awl'd, heads globular terminal. S.
- obliqua.* P. flowers subfolitary, pistils long headed, calyxes with scales lanced pointed, leaves three-callous. S. *hair-flower'd.*
- sericea.* P. flowers solitary, calyx imbricated subpubescent, leaves linear-lanced. S. *oblique.*
- umbellata.* P. panicle branchy, leaves lanced silk-silver'd, flowers headed downy. S. *silky.*
- bracteata.* P. leaves tongue-form linear smooth, branches umbel'd level-top'd. S. *umbel'd.*
- prolifera.* P. leaves linear-awl'd femicolumnar smooth, flowers headed, bractes many-cleft. S. *bracted.*
- tomentosa.* P. stem proliferous, leaves awl'd, spike leafy. S. *proliferous.*
- P. down hoary, leaves linear three-tooth'd callous at top. S. *downy.*

118. FOUR MALES. ONE FEMALE. Globularia.

112. GLOBULARIA. *Cal. common* imbricated; *proper* tubulated, beneath. *Corollet* upper lip 2-parted: inferior one 3-parted. *Recept.* chaffy.

- Alypum.* 1. G. stem shrubby, leaves lanced three-tooth'd and intire.
- bisnagarica.* 2. G. stem shrubby, root-leaves wedge-form retuse, stem-leaves lanced. *bisnagarian.*
- vulgaris.* 3. G. stem herbaceous, root-leaves three-tooth'd; stem-leaves lanced. *common.*
- spinosa.* 4. G. root-leaves notch-prickled, stem-leaves most intire dagger'd. *thorny.*
- cordifolia.* 5. G. stem almost naked, leaves wedge-form three-piked: the intermediate one very small. *heart-leaved.*
- nudicaulis.* 6. G. stem naked, leaves most intire lanced. *stem-naked.*
- orientalis.* 6. G. stem almost naked, heads alternate sessile, leaves lance-egg'd intire. *oriental.*

113. CEPHALANTHUS. *Cal. common* o: *proper* above, funnel-form. *Recept.* globular, naked. *Seed* 1, woolly.

*occidentalis.* 1. C. leaves opposite and three'd. *occidental.*

114. DIPSACUS. *Cal. common* many-leaved; *proper* above. *Recept.* chaffy. *Teasel.*

- fullonum.* 1. D. leaves sessile saw'd. *fullers.*
- laciniatas.* 2. D. leaves conjoin'd sinuous. *jagged.*
- pilosus.* 3. D. leaves petioled appendaged. *hairy.*

115. SCABIOSA. *Cal. common* many-leaved; *proper* double above. *Recept.* chaffy or naked.  
\* *Corollets* four-cleft.

- alpina.* 1. S. corollets four-cleft equal, calyxes imbricated, flowers bowing, leaves feather'd: leaflets lanced saw'd. *alpine.*
- rigida.* 5. S. corollets four-cleft subradiate, calyxes imbricated obtuse, leaves lanced saw'd ear'd. *rigid.*
- transylvanica.* 2. S. corollets four-cleft equal, calyxes and chaff awn'd; root-leaves lyred; stem-leaves feather-cut. *transylvanian.*
3. S.

- syriaca.* 3. S. corollets four-cleft equal, calyxes imbricated and chaff awn'd, stem two-fork'd, leaves lanced. *syrian.*
- leucantha.* 4. S. corollets four-cleft subequal, calyx-scales egg'd imbricated, leaves feather-cut. *white-flower'd.*
- Succisa.* 6. S. corollets four-cleft equal, stem simple, branches approximated, leaves lance-egg'd. *intire-leaved.*
- integrifolia.* 7. S. corollets four-cleft radiate, leaves undivided: root-leaves egg'd saw'd, branch-leaves lanced; stem herbaceous. *intire-leaved.*
- amplexicaulis.* S. corollets four-cleft radiate, leaves stem-clasping lanced most intire; root-leaves three-cleft notch'd. *stem-clasping.*
- tartarica.* 9. S. corollets four-cleft radiate, leaves lanced feather-cut: lobes subimbricated, stem hispid. *tartarian.*
- arvensis.* 10. S. corollets four-cleft radiate, leaves feather-cut gash'd, stem hispid. *field.*
- sylvatica.* 8. S. corollets four-cleft radiate, leaves all undivided egg-oblong saw'd, stem hispid. *wood.*
- scabra.* S. corols four-cleft equal, calyxes imbricated obtuse, leaves almost twice-feather'd rugged rigidish. *rugged.*
- attenuata.* S. corols four-cleft equal, leaves linear intire and three-cleft. S. *attenuated.*
- \* \* Corollets five-cleft.
- gramontia.* 11. S. corollets five-cleft, calyxes shortest, stem-leaves twice-feather'd thread-form. *gramontian.*
- columbaria.* 12. S. corollets five-cleft radiate, root-leaves egg'd notch'd, stem-leaves feather'd bristly. *dove.*
- scicula.* S. corollets five-cleft equal shorter than the calyx, leaves lyre-feather-cut. *scilian.*
- maritima.* 13. S. corollets five-cleft radiate shorter than the calyx, leaves feather'd: the highest linear most intire. *sea.*
- stellata.* 15. S. corollets five-cleft radiate, leaves dissected, receptacles of the flower roundish. *star.*
- prolifera.* 16. S. corollets five-cleft radiate, flowers sessile, stem proliferous, leaves undivided. *proliferous.*
- atropurpurea.* 17. S. corollets five-cleft radiate, leaves dissected, receptacles of the flowers awl'd. *black-purple.*
- argentea.* 18. S. corollets five-cleft radiate, leaves feather-cut: divisions linear, peduncles longest, stem columnar. *silver.*
- S.

120. FOUR MALES. ONE FEMALE. Scabiosa.

- indurata.* S. corollets five-cleft radiate, leaves egg-lanced; gnaw'd, tooth'd at the base, stem stiff. *indurated.*
- africana.* 19. S. corollets five-cleft equal, leaves simple gash'd, stem shrubby. *african.*
- pumila.* S. corollets five-cleft radiate, almost stemless, leaves most hairy; root-leaves lyred, stem-leaves feather-gash'd. *dwarf.*
- cretica.* 20. S. corollets five-cleft, leaves lanced very intire, stem shrubby. *cretan.*
- graminifol.* 21. S. corollets five-cleft radiate, leaves linear-lanced most intire, stem herbaceous. *grass-leaved.*
- palæstina.* 25. S. corollets five-cleft radiate: all the divisions three-cleft, leaves undivided, somewhat saw'd: the highest feather-cut at the base. *palestine.*
- isfetensis.* 26. S. corollets five-cleft radiate longer than the calyx, leaves twice-feather'd linear.
- ucrania.* 14. S. corollets five-cleft radiate, root-leaves feather-cut: stem-leaves fringed at the base. *ukraine.*
- ochroleuca.* 23. S. corollets five-cleft radiate, leaves twice-feather'd, linear. *pale-white.*
- papposa.* S. corollets five-cleft unequal, stem herbaceous erect, leaves feather-cut, seeds awn'd and feather-pappus'd. *pappus.*
- pterocephala.* 22. S. corollets five-cleft, stem shrubby procumbent, leaves jagg'd shaggy, pappus feathery. *wing-headed.*

116. KNAUTIA. *Cal.* common oblong, simple, five-flower'd; *proper* simple, above. *Corollets* irregular. *Recept.* naked.

- orientalis.* 1. K. leaves gash'd, corollets five-fold longer than the calyx. *oriental.*
- propontica.* 2. K. superior leaves lanced most intire, corollets tenfold equal with the calyx. *propontic.*
- palæstina.* K. leaves intire, calyxes six-leaved, seeds pappus'd. *palestine.*
- plumosa.* K. superior leaves leaves feather'd, calyxes ten-leaved, seeds pappus'd. *feathery.*

117. ALLIONA.



117. ALLIONIA. *Cal.* common oblong, simple, three-flower'd; *proper* obscure, above, *Corollets* irregular. *Recept.* naked.

*violacea.* A. A. leaves hearted, calyxes five-cleft. *violet.*  
*incarnata.* B: A. leaves obliquely egg'd, calyxes three-leaved. *incarnate.*

118. HEDYOTIS. *Cor.* 1-petal, funnel-form. *Capsf.* 2-cell'd, many-seeded, beneath.

*fruticosa.* 1. H. leaves lanced petioled, corymbes terminal involucred. *shrubby.*  
*Auricularia.* 2. H. leaves lance-egg'd, flowers verticil'd.  
*herbacea.* 3. H. leaves linear-lanced, stem herbaceous two-fork'd, peduncles double. *herbaceous.*  
*maritima.* H. leaves oval obtuse, flowers opposite sessile. *S. sea.*  
*pumila.* H. leaves egg'd acute, flowers alternate peduncled. *dwarf.*  
*graminifolia.* H. leaves linear, stem decumbent, panicle racemed one-rank'd, peduncles single-train'd. *S. grass-leaved.*

124. SCABRITA. *Cor.* 1-petal, falver-form. *Seeds* 2, end-nick'd, above. *Cal.* lop'd.

*scabra.* 1. H. SCABRITA. *rugged.*

147. SPERMACOCE. *Cor.* 1-petal, funnel-form. *Seeds* 2, two-tooth'd.

*tenuior.* 1. S. smooth, leaves linear, stamens inclosed, flowers verticil'd. *slenderer.*  
*verticillata.* 2. S. smooth, leaves lanced, verticils globular. *verticil'd.*  
*hirta.* 3. S. smooth, leaves oblong: the highest four-fold, flowers verticil'd. *shaggy.*  
*hispida.* 5. S. hispid, leaves inverse-egg'd oblique. *hispid.*  
*procumbens.* 6. S. procumbent, leaves linear, corymbes lateral peduncled. *procumbent.*  
*spinosa.* 4. S. shrubbyish, leaves linear with thornlets fringed. *thorney.*

122. FOUR MALES. ONE FEMALE. Spermacoe.

- articularis.* S. leaves elliptic obtusifish ruggedish. S. jointed.  
*stricta.* S. leaves linear-lanced lined. S. upright.

120. SCHERARDIA. Cor. 1-petal, funnel-form.  
 Seeds 2, three-tooth'd.

- arvensis.* 1. S. all the leaves verticil'd, flowers terminal. field.  
*muralis.* 2. S. floral leaves two-fold opposite, with flowers two-fold. wall.  
*fruticosa.* 3. S. leaves fourfold equal, stem shrubby. shrubby.

121. ASPERULA. Cor. 1-petal, funnel-form. Seeds 2, globular.

- odorata.* 1. A. leaves eightfold lanced, fascicles of the flowers peduncled. odorous.  
*arvensis.* 2. A. leaves sixfold, flowers sessile terminal aggregate. field.  
*taurina.* 3. A. leaves fourfold egg-lanced, flowers fascicled terminal. bull.  
*crassifolia.* 7. A. leaves fourfold oblong lateral revolute obtusifish pubescent. thick-leaved.  
*tinctoria.* 4. A. leaves linear: the inferior ones sixfold; the intermediate ones fourfold, stem flaccid, flowers for the most part three-cleft. dyer's.  
*pyrenaica.* 5. A. leaves four-fold lance-linear, stem erect, flowers oftener three-cleft. pyrenean.  
*cynanchica.* 6. A. leaves fourfold linear: the superior ones opposite, stem erect, flowers four-cleft. cynancum.  
*laevigata.* 8. A. leaves fourfold elliptic nerveless smoothish, peduncles divaricated three-fork'd, seeds rugged. polish'd.  
*calabrica.* A. leaves fourfold oblong obtuse polish'd. S. calabrian.  
*cristata.* A. leaves linear somewhat fleshy: the inferior ones fourfold, flowers almost threefold awn'd. S. crested.

122. DIODIA. Cor. 1-petal, funnel-form. Capsule 2-cell'd, 2-seeded.

- virginica.* 1. DIODIA. virginian.

123. KNOXIA.

123. KNOXIA. *Cor.* 1-petal, funnel-form. *Seeds* 2, furrow'd: the single leaf of the calyx larger.

*ceylanica.* 1. KNOXIA. *ceylon.*

124. HOUSTONIA. *Cor.* 1-petal, funnel-form. *Capsf.* 2-cell'd, 2-seeded, above.

*cærulea.* 1. H. root-leaves egg'd, stem compound, the first peduncles two-flower'd. *blue.*

*purpurea.* 2. H. leaves egg-lanced, corymbes terminal, flowers above. *purple.*

125. GALIUM. *Cor.* 1-petal, flat. *Seeds* 2, roundish. *Bedstraw.*

\* *Fruit smooth.*

*rubroides.* 2. G. leaves fourfold lance-egg'd equal rugged underneath, stem erect, fruit smooth. *madder-like.*

*palustre.* 3. G. leaves four-fold inverse-egg'd unequal, stems diffuse. *marsh.*

*trifidum.* 5. G. leaves fourfold linear, stem procumbent rugged, corols three-cleft. *three-cleft.*

*montanum.* 15. G. leaves mostly fourfold linear polish'd, stem feeble rugged, seeds smooth. *mountain.*

*tinctorium.* 6. G. stem-leaves linear sixfold; those of the branches fourfold, stem flaccid, peduncles mostly two-flower'd, fruit smooth. *dyers.*

*alginosum.* 7. G. leaves sixfold lanced saw-prickled backwards dagger'd rigid, corols larger than the fruit. *ouzy.*

*spurium.* 8. G. leaves sixfold lanced keel'd rugged prickled backward, knots simple, fruit smooth. *spurious.*

*saxatile.* 9. G. leaves sixfold inverse-egg'd obtuse, stem most branchy procumbent. *rock.*

*minutum.* 10. G. leaves eightfold lanced dagger'd saw-prickled smooth incurved, fruit reflected. *minute.*

*pusillum.* 11. G. leaves eightfold hispid linear pointed subimbricated, peduncles two-fork'd. *puny.*

*verum.* 12. G. leaves eightfold linear furrow'd, branches flower-bearing short. *true.*

*Mollugo.* 14. G. leaves eightfold egg-linear somewhat saw'd most expanding dagger'd, stem flaccid, branches expanding.

124. FOUR MALES. ONE FEMALE. *Galium*.

- sylvaticum*. 13. *G.* leaves eightfold polish'd rugged underneath: floral leaves twofold, peduncles capillary, stem polish'd. *wood.*
- aristatum*. 1. *G.* leaves eightfold lanced polish'd, panicle capillary, petals awn'd, seeds smooth. *awn'd.*
- hierosolymitanum*. 18. *G.* leaves tenfold lance-linear, umbels level-top'd, fruit smooth. *jerusalem.*
- glaucum*. 16. *G.* leaves verticil'd linear, peduncles two-fork'd, stem polish'd. *sea-green.*
- purpureum*. 17. *G.* leaves verticil'd linear-bristled, peduncles capillary longer than the leaf. *purple.*
- rubrum*. 19. *G.* leaves verticil'd linear expanded, peduncles shortest. *red.*
- pyrenaicum*. *G.* leaves six-fold, flowers lateral opposite subsessile solitary. *S. pyrenean.*
- \* \* *Fruit hispid.*
- boreale*. 20. *G.* leaves fourfold lanced three-nerved smooth, stem erect, seeds hispid. *northern.*
- maritimum*. 24. *G.* leaves fourfold hispid, peduncles one-flower'd, fruit villous. *sea.*
- bermudianum*. 4. *G.* leaves fourfold linear obtuse, branches most branched. *bermudian.*
- græcum*. 25. *G.* shaggy, leaves mostly six-fold linear-lanced, stem woody. *greek.*
- Aparine*. 22. *G.* leaves eightfold lanced with keels rugged prickled backward, knots villous, fruit hispid.
- parisiense*. 23. *G.* leaves verticil'd linear, peduncles two-flower'd, fruit hispid. *parisian.*

126. CRUCIANELLA. *Cor.* 1-petal, funnel-form, tube thread-form; border claw'd. *Cal.* 2-leaved. *Seeds* 2, linear.

- angustifol.* 1. *C.* erect, leaves sixfold linear, flowers spiked. *narrow-leaved.*
- latifolia.* 2. *C.* procumbent, leaves fourfold lanced, flowers spiked. *broad-leaved.*
- ægyptiaca.* 6. *C.* leaves fourfold sublinear, flowers spiked five-cleft. *egyptian.*
- patula.* 3. *C.* diffuse, leaves sixfold, flowers scater'd. *expanded.*
- maritima.* 4. *C.* procumbent, shrubbyish, leaves four-fold dagger'd, flowers opposite five-cleft. *sea.*

*montpeliaca*. 5. C. procumbent, leaves acute: those of the stem fourfold egg'd; branch-leaves linear, flowers spiked.  
*montpelier.*

119. RUBIA. Cor. 1-petal, bell'd. Berries 2, one-seeded. *Madder.*

*tinctorum*. 1. R. leaves annual, stem prickly. *dyers.*

*peregrina*. 2. R. leaves perennial linear polish'd above. *foreign.*

*lucida*, R. leaves perennial sixfold elliptic lucid, stem polish'd.

*lucid.*

*angustifolia*. R. leaves perennial linear rugged above. *narrow-leaved.*

*leaved.*

*cordifolia*. R. leaves perennial fourfold hearted. *heart-leaved.*

129. SIPHONANTHUS. Cor. 1-petal, funnel-form, longest, beneath. Berries 4, 1-seeded.

*indica*. 1. SIPHONANTHUS. *indian.*

130. CATESBÆA. Cor. 1-petal, funnel-form, longest, above. Stamens within the throat. Berry many-seeded.

*spinosa*. 1. CATESBÆA. *thorny.*

131. IXORA. Cor. 1-petal, funnel-form, long, above. Stamens above the throat. Berry 4-seeded.

*coccinea*. 1. I. leaves oval half-stem-clasping, flowers fascicled.

*scarlet.*

*alba*. 2. I. leaves lance-egg'd, flowers fascicled. *white.*

*americana*. A. I. leaves three-fold lance-egg'd, flowers thyrselike.

*american.*

132. PAVETTA. Cor. 1-petal, funnel-form, above. Stigma curved. Berry 2-seeded.

*caffra*. P. leaves egg'd most intire, heads terminal sessile, calyxes bristly the length of the tube. *S. caffra.*

*indica*. P. leaves oblong pointed at both ends, umbels terminal fascicled, calyx short acute. *S. indian.*

133. PETESIA.

126. FOUR MALES. ONE FEMALE. Petesia.

133. PETESIA. *Cor.* 1-petal, funnel-form. *Stigma* two-cleft. *Berry* many-seeded.

*stipularis.* A. P. leaves lance-egg'd downy underneath, thyrses lateral. *stipuled.*

*Lygistum.* A. P. leaves egg'd naked lined, stem winding.

134. MITCHELLA. *Corols.* 1-petal, above, two-fold on the same germ. *Stigmas* 4. *Berry* two-cleft, 4-seeded.

*repens.* 1. MITCHELLA. *creeping.*

135. CALLICARPA. *Cal.* 4-cleft. *Cor.* 4-cleft. *Berry* 4-seeded.

*americana.* C. leaves saw'd downy underneath. *american.*

*tomentosa.* C. leaves most intire woolly. *downy.*

136. AQUARTIA. *Cal.* bell'd. *Cor.* wheel'd, divisions linear. *Berry* many-seeded.

*acculeata.* 1. AQUARTIA. *prickley.*

137. POLYPREMUM. *Cal.* 4-leaved. *Cor.* 4-cleft, wheel'd: lobes inverse hearted. *Capsf.* compress'd, end-nick'd, 2-cell'd.

*procumbens.* 1. POLYPREMUM. *procumbent.*

138. PENÆA. *Cal.* 2-leaved. *Cor.* bell'd. *Style* 4-angled. *Capsf.* four-corner'd, 4-cell'd, 8-seeded.

*Sarcocolla.* 1. P. leaves egg'd flat, calyxes fringed larger than the leaf.

*mucronata.* 2. P. leaves hearted pointed. *dagger'd.*

*marginata.* P. leaves hearted margin'd, flowers lateral. *margin'd.*

*furcata.* P. leaves rhomb-egg'd, bractes wedged acute colour'd. *fork'd.*

*squamosa.* 3. P. leaves rhomb-wedge-form fleshy. *scaly.*

*fruticulosa.* P. leaves oblongish obtuse, bractes orbicular acute, *shrubbyish.*

- myrtoides.* P. leaves lanced. S. *myrtle-like.*  
*lateriflora.* P. leaves egg'd, flowers lateral sessile. S. *side-flower-*  
*ing.*

139. BLÆRIA. *Cal.* 4-parted. *Cor.* 4-cleft. *Stamens* inserted on the receptacle. *Capsf.* 4-cell'd, many-seeded.

- ericoides.* 1. B. flowers headed, corols bell'd. *beath-like.*  
*articulata.* B. stamens protruded two-hearted, corols cylindric,  
*jointed.*  
*pufilla.* 2. B. flowers scatter'd, corols funnel-form. *feeble.*  
*ciliaris.* B. flowers headed, calyxes fringed. S. *fringed.*  
*purpurea.* B. stamens inclusive two-parted, corols oblong straight,  
 flowers terminal aggregate peduncled erect. S. *purple.*

140. BUDDLEJA. *Cal.* 4-cleft. *Cor.* 4-cleft. *Stamens* from the gashes. *Capsf.* 2-furrow'd, 2-cell'd, many-seeded.

- americana.* 1. B. leaves egg'd. *american-*  
*occidentalis.* 2. B. leaves lanced. *occidental.*  
*virgata.* B. leaves linear-oblong obtuse intire, racemes termi-  
 nal, branches twiggy erect. S. *twiggy.*  
*incompta.* B. leaves fascicled egg'd hoary, branches winding  
 rigid, racemes terminal. S. *uncomb'd.*

141. EXACUM. *Cal.* 4-leaved. *Cor.* 4-cleft: tube globular. *Capsf.* 2-furrow'd, 2-cell'd many-seeded, gaping at top.

- sessile.* 1. E. flowers sessile. *sessile.*  
*pedunculata.* 2. E. flowers peduncled. *peduncled.*  
*albens.* E. leaves subdecurent, stamens protruded. S. *white.*  
*aureum.* E. leaves sessile, stamens protruded. S. *golden.*  
*cordatum.* E. flowers five-cleft, leaflets of the calyx hearted  
 striated. S. *hearted.*  
*punctatum.* E. leaves most shortly petioled oblong three-nerved  
 dotted, stamens protruded. S. *dotted.*

128. FOUR MALES. ONE FEMALE. Plantago.

142. PLANTAGO. *Cal.* 4-cleft. *Cor.* 4-cleft:  
border reflected. *Stamens* longest. *Capsf.*  
2-cell'd, circumcised.

\* *Scape naked.*

- major*, 1. P. leaves egg'd smooth, scape columnar, spike with  
florets imbricated. *greater.*
- asiatica.* 2. P. leaves egg'd smooth, scape angled, spike with flo-  
rets distinct. *asiatic.*
- media.* 3. P. leaves egg-lanced pubescent, spike cylindrical, scape  
columnar. *middle.*
- virginica.* 4. P. leaves lance-egg'd pubescent somewhat toothletted,  
spikes with flowers remote, scape columnar. *virginian.*
- altissima.* 5. P. leaves lanced five-nerved tooth'd smooth, spike  
oblong cylindrical, scape subangular. *tallest.*
- lanceolata.* 6. P. leaves lanced, spike somewhat egg'd naked, scape  
angled. *lanced.*
- Lagopus.* 7. P. leaves lanced somewhat toothletted, spike egg'd  
shaggy, scape columnar.
- lusitanica.* 17. P. leaves broad-lanced three-nerved somewhat tooth'd  
somewhat hairy, spike oblong shaggy, scape  
angled. *portugal.*
- albicans.* 8. P. leaves lanced oblique villous, spike cylindrical  
erect, scape columnar. *white.*
- alpina.* 9. P. leaves linear fiat, scape columnar shaggy, spike  
oblong erect. *alpine.*
- cretica.* 18. P. leaves linear, scape columnar shortest woolly, spike  
roundish nodding. *cretan.*
- maritima.* 11. P. leaves semicylindrical most intire woolly at the  
base, scape columnar. *sea.*
- subulata.* 12. P. leaves awl'd three-sided striated rugged, scape co-  
lumnar. *awl'd.*
- Serraria.* 13. P. leaves lanced five-nerved tooth-saw'd, scape co-  
lumnar.
- coronopifol.* 14. P. leaves linear tooth'd, scape columnar. *coronopus-  
leaved.*
- Loeflingii.* 15. P. leaves linear somewhat tooth'd, scape columnar,  
spike egg'd, bractes keel'd membranous. *Of  
Loeflingius.*

\* \* *Stem branchy.*

- Psyllium.* 17. P. stem branchy herbaceous, leaves somewhat tooth'd  
recurvate, heads leafless.



- indica.* 18. P. stem branchy herbaceous, leaves most intire, reflected fringed, heads leafy. *indian.*  
*cynops.* 19. P. stem branchy shrubbyish, leaves most intire thread-form upright, heads somewhat leaved.  
*afra.* 20. P. stem branchy shrubby, leaves lanced tooth'd heads leasts. *african.*  
*pumila.* P. stem branchy herbaceous, leaves most intire fleshy, branches polish'd. S. *dwarf.*

143. SCOPARIA. *Cal.* 4-parted. *Cor.* 4-parted, wheel'd. *Capsf.* 1-cell'd, 2-valved, many-seeded.

- dulcis.* 1. S. leaves three-fold, flowers peduncled. *sweet.*  
*procumbens.* 2. S. leaves fourfold, flowers sessile. *procumbent*  
*arborea.* S. leaves lanced alternate most intire, corymbe super-decompounded three-fork'd. S. *arborescent.*

144. RHACOMA. *Cal.* 4-parted. *Cor.* 4-parted. *Capsf.* one-cell'd, one-seeded.

*Crossopetalum.* I. RHACOMA.

145. CENTUNCULUS. *Cal.* 4-cleft. *Cor.* 4-cleft, expanding. *Stamens* short. *Capsf.* 1-cell'd, circmucifed.

- minimus.* I. CENTUNCULUS. *leaf.*

146. SANGUISORBA. *Cal.* 2-leaved. *Germ* between the calyx and corol. *Burnet.*

- officinalis.* 1. S. spikes egg'd. *officinal.*  
*media.* 2. S. spikes cylindrical. *middle.*  
*canadensis.* 3. S. spikes longest. *canada.*

147. CISSUS. *Berry* 1-seeded encompass'd by the calyx and corol four-parted.

- vitiginea.* 1. C. leaves hearted mostly five-lobed downy. *wine.*  
*cordifolia.* 2. C. leaves hearted most intire. *heart-leaved.*  
*Sicyoides.* 3. C. leaves mostly hearted naked, bristle-saw'd branchlets columnar. *Sicyos-like.*

130. FOUR MALES. ONE FEMALE. *Cissus*.

- quadrangularis* 6. C. leaves hearted fleshy saw-tooth'd, stem four-corner'd tumidish. *quadrangular.*  
*acida.* 4. C. leaves three'd inverfe-egg'd smooth fleshy gash'd. *acid.*  
*trifoliata.* 5. C. leaves three'd roundish shaggy somewhat tooth'd, branches membranous-angled. *three-leaved.*

148. EPIMEDIUM. *Nectaries* 4, cup-form, incumbent on the petals. *Cor.* 4-petal'd. *Cal.* falling off. *Silique.*

*alpinum.* 1. EPIMEDIUM. *alpine.*

149. CORNUS. *Involucre* oftener 4-leaved. *Petals* above 4. *Drupe* with nucleus 2-cell'd.

- florida.* 1. C. arborescent, involucre largest: leaflets inverfe-hearted. *flowering.*  
*mascula.* 2. C. arborescent, umbels equalling the involucre. *male.*  
*sanguinea.* 3. C. arborescent, cymes naked. branches straight. *bloody.*  
*alba.* 6. C. arborescent, cymes naked, branches recurvate. *white.*  
*sericea.* C. arborescent, cymes naked, leaves silky underneath. *silky.*  
*suecica.* 4. C. herbaceous, branches two-fold. *swedish.*  
*canadensis.* 5. C. herbaceous branches none. *canadian.*  
*alternifolia.* C. leaves alternate. *S.* *alternate-leaved.*

1492. SAMARA. *Cal.* 4-parted. *Cor.* 4-petal'd. *Stam.* immerfed in the base of the petal. *Stigma* funnel-form.

*laeta.* SAMARA. *pleasant.*

150. FAGARA. *Cal.* 4-cleft. *Cor.* 4-petal'd. *Capsf.* two-valved one-seeded.

- Pterota.* 1. F. leaflets end-nick'd.  
*Piperita.* 3. F. leaflets notch'd.  
*Tragodes.* 2. F. joints of the feathers prickly underneath.  
*Oelandria.* 4. F. leaflets downy. *eight-male.*

F.

*Euodia.* F. leaves simple lanced elongate opposite, racemes  
branchy axillary solitary. S.

1290. ÆGIPHILA. *Cal.* 4-tooth'd. *Cor.* 4-cleft.  
*Style* half-two-cleft. *Berry* 4-seeded.

*martinicensis.* ÆGIPHILA.

*martinico.*

152. PTELEA. *Cor.* 4-petal'd. *Cal.* 4-parted, be-  
neath. *Fruit* with membrane roundish,  
one-seeded in the centre

*trifoliata.* 1. P. leaves three'd.

*three-leaved.*

*pinnata.* 2. P. leaves abruptly feather'd. S.

*feather'd.*

1292. SIRIUM. *Cal.* 4-cleft. *Cor.* 0. *Nectary* 4-  
leaved inclosing the calyx. *Germ* be-  
neath. *Stigma* 3-cleft. *Berry* 3-cell'd.

*myrtifolium.* SIRIUM.

*myrtle-leaved.*

153. LUDWIGIA. *Cor.* four-petal'd. *Cal.* 4-parted,  
above. *Capsf.* 4-corner'd, 4-cell'd,  
beneath, many-seeded.

*alternifolia.* 1. L. leaves alternate lanced, stem erect. *alternate leaved.*

*oppositifolia.* 2. L. leaves opposite lanced, stem diffuse. *opposite-leaved.*

*erigata.* 3. L. leaves opposite lanced, stem erect. *watery.*

154. OLDENLANDIA. *Cor.* four-petal'd. *Cal.*  
4-parted, above. *Capsf.* 2-cell'd, be-  
neath, many-seeded.

*verticillata.* 6. O. flowers verticil'd sessile, stipule bristle-bearing.

*verticil'd.*

*repens.* 7. O. capsf. sessile hispid, leaves lanced.

*creeping.*

*uniflora.* 1. O. peduncles simplest lateral, fruit shaggy, leaves  
somewhat egg'd acute.

*one-flower'd.*

*biflora.* 2. O. peduncles two-flower'd longer than the petiole,  
leaves lanced.

*two-flower'd.*

*umbellata.* 3. O. umbels naked lateral alternate, leaves linear. *um-  
bel'd.*

132. FOUR MALES. ONE FEMALE. Oldenlandia.

- corymbosa*. 4. O. peduncles many-flower'd, leaves linear-lanced.  
*paniculata*. 5. O. peduncles paniced terminal, leaves oval-lanced.  
*stricta*. O. peduncles racemed terminal, leaves linear, stem  
 erect cross-arm'd.  
*capensis*. O. peduncles axillary one-flower'd, leaves linear acute.  
*hirsuta*. O. umbels axillary, stem and calyxes hispid, leaves  
 egg'd acute. S.

155. AMMANNIA. *Cor.* 4-petal'd, inserted in the  
 calyx, or none. *Cal.* 1-leaved, plaited,  
 8-tooth'd, beneath. *Caps.* 4-cell'd.

- latifolia*. 1. A. leaves half-stem-clasping, stem four-corner'd,  
 branches erect.  
*ramosior*. 2. A. leaves half-stem-clasping, stem four-corner'd,  
 branches most expanded.  
*baccifer*. 3. A. leaves subpetioled, capsules greater than the calyx  
 colour'd.  
*octandra*. A. flowers petal-like eight-male. S.  
*pinnatifida*. A. stems procumbent rooting compress'd, leaves li-  
 near feather-cleft. S.

156. ISNARDIA. *Cor.* none. *Cal.* 4-cleft. *Caps.*  
 4-cell'd, encompass'd by the calyx.

- palustris*. 1. ISNARDIA.

157. TRAPA. *Cor.* 4-petal'd. *Cal.* 4-parted. *Nut.*  
 encompass'd by 4 opposite thorns, which  
 were the leaves of the calyx.

- natans*. 1. TRAPA.  
*bicornis*. T. nuts two-horn'd. S.  
*natans*. T. nuts four-horn'd: thorns expanding. S.

158. DORSTENIA.

158. DORSTENIA. *Receptacle* common 1-leaved, fleshy, in which the solitary *seeds* are nidulant.

- Houstoni*. 3. D. scapes rooted, leaves hearted angled acute, receptacles quadrangular. *Houston's*.  
*Contrajeruva*. 1. D. scapes rooted. leaves feather-cleft-handed saw'd, receptacles quadrangular.  
*Drakena*. 2. D. scapes rooted, leaves feather-cleft-handed most intire, receptacles oval.  
*caulescens*. 4. D. peduncles on the stem. *stem*.

1243. COMETES. *Involucre* 4-leaved, 3-flower'd. *Cal.* 4-leaved. *Capsf.* 3-grain'd.

- alterniflora*. 1. COMETES. *alternate-flower'd*.

159. ELÆGANUS. *Cor.* none. *Cal.* 4-cleft, bell'd, above. *Drupe* under the bell'd *calyx*.

- angustifolia*. 1. E. leaves lanced. *narrow-leaved*.  
*orientalis*. 4. E. leaves oblong egg'd opaque. *oriental*.  
*spinosa*. 2. E. leaves elliptic. *thorny*.  
*latifolia*. 3. E. leaves egg'd. *broad-leaved*.

480. SANTALUM. *Cor.* 4-petal'd: the petals growing on the calyx, beside 4 Glands. *Cal.* 4-tooth'd. *Berry* beneath one-seeded.

- album*. 1. SANTALUM. *white*.

1244. STRUTHIOLA. *Cor.* none, *Cal.* tubular: with 8 Glands in the mouth. *Berry* dry, one-seeded.

- virgata*. 1. S. pubescent. *twiggy*.  
*erecta*. 2. S, smooth. *erect*.  
*nana*. S. leaves linear obtuse hairy, flowers terminal fascicled downy. S. *dwarf*.

134. FOUR MALES. ONE FEMALE. *Willichia*.

136. WILLICHIA. *Cal.* 8-leaved. *Cor.* 4-cleft.  
*Capsf.* beneath, two-valved, one-cell'd.  
*Seed* imbricated, orbicular with a central seedlet.

*repens.* WILLICHIA. *creeping,*

166. CRAMERIA. *Cal.* 0. *Cor.* 4-petal'd: the superior Nectary 3-parted; the inferior one 2-leaved. *Berry* dry, hedgehog'd, 1-seeded.

*laxa.* 1. CRAMERIA.

1293. ACÆNA. *Cal.* 4-leaved. *Cor.* 4-petal'd. *Berry* dry, beneath, 1-seeded, hedgehog'd backwards.

*elongata.* ACÆNA. *elongated.*

162. RIVINA. *Cor.* 4-petal'd, permanent. *Cal.* none. *Berry* 1-seeded: with a lens-form feed.

*humilis.* 1. R. racemes simple, flowers four-male, leaves pubescent. *humble.*

*lævis.* 4. R. racemes simple, flowers four-male, leaves smooth. *polish'd.*

*actandra.* 2. R. racemes simple, flowers eight-male or twelve-male. *eight-male,*

*paniculata.* 3. R. racemes of the panicle compound and opposite. *panicked,*

163. SALVADORA. *Cal.* 4-cleft. *Cor.* 0. *Berry* 1-seeded. *Seed* cloathed with an aril.

*persica.* 1. SALVADORA. *persian.*

164. CAMPHOROSMA.

164. CAMPHOROSMA. *Cal.* pitcher'd: with 2  
teeth opposite, and alternate, smallest.  
*Cor.* none. *Capsf.* 1-seeded.

- monspeliensis.* 1. C. leaves shaggy linear. *montpelier.*  
*acuta.* 2. C. leaves awl'd rigid smooth. *acute.*  
*glabra.* 3. C. leaves mostly three-sided smooth unarm'd. *smooth.*  
*Pteranthus.* 4. C. most branchy, peduncles sword-form dilated, bractes  
crested.  
*paleacea.* C. shrubby, branches spike-form, chaffy, hairy. *S.*  
*chaffy.*

168. ALCHEMILLA. *Cal.* 8-cleft. *Cor.* o. *Seed* 1.

- vulgaris.* 1. A. leaves lobed. *common.*  
*alpina.* 2. A. leaves finger'd saw'd. *alpine.*  
*pentaphyllea.* 3. A. leaves five many-cleft smooth. *five-leaved.*  
*aphanoides.* A. leaves many-parted, stem erect. *S.* *aphanes-like.*

1361. HYDROPHYLLAX. *Cor.* funnel-form. *Cal.*  
4-parted. *Fruit* two-edged, one-seeded.  
*S.*

- maritima.* HYDROPHYLLAX. *S.* *sea.*

1362. BANKSIA. *Ament* scaly. *Cor.* 4-petal'd. *An-*  
*thers* in the cavity of the Folds, sessile.  
*Capsf.* 2-valved. *Seed* two-partible. *S.*

- ferrata.* B. leaves linear attenuated into a petiole equally saw'd  
lop'd at the top with a dagger. *S.* *saw'd.*  
*integrifolia.* B. leaves wedge-form most intire white-down'd under-  
neath. *S.* *intire-leaved.*  
*ericæfolia.* B. leaves approximated chaffy lop-end-nick'd smooth.  
*S.* *beath-leaved.*  
*dentata.* B. leaves oblong attenuated into a petiole curved  
winding tooth'd: with teeth ending in a thorn-  
let; white underneath. *S.* *tooth'd.*

1363. HARTOGIA. *Petals* 4 expanding. *Cal.* 5-  
cleft. *Drupe* egg'd, two-seeded. *S.*

- capensis.* HARTOGIA. *caps.*

136. FOUR MALES. ONE FEMALE. Embotrium.

1364. EMBOTRIUM. *Cor.* 4-petal'd. *Anthers*  
sessile fitting on the tops of the petals.  
*Follicle* columnar. *S.*

*umbellatum.* *E.* umbels axillary simplest peduncled, leaves oblong  
veinless, anthers sessile. *S.* *umbel'd.*

*soccineum.* *E.* thyrses terminal sessile, anthers pedicel'd, leaves  
inverfe-egg'd vein'd. *S.* *scarlet.*

T W O F E M A L E S.

( *Digynia.* )

166. APHANES. *Cal.* 4-cleft. *Cor.* o. *Seeds* 2:  
naked.

*arvensis.* I. APHANES. *field.*

167. CRUZITA. *Cal.* 4-leaved: the exterior one  
3-leaved. *Cor.* o. *Seed* 1.

*hispanica.* A. CRUZITA. *spanish.*

168. BUFONIA. *Cal.* 4-leaved. *Cor.* 4-petal'd.  
*Capsf.* 1-cell'd, 2-seeded.

*tenuifolia.* I. BUFONIA. *thin-leaved.*

166. HAMAMELIS. *Involure* 3-leaved. *Cal.* proper  
one 4-leaved. *Petals* 4. *Nut* 2-horn'd,  
2-cell'd.

*virginica.* I. HAMAMELIS. *virginian.*

170. CUSCUTA. *Cal.* 4-cleft. *Cor.* 1-petal'd. *Capsf.*  
2-cell'd.

*europæa.* I. *C.* flowers sessile. *european.*

*epithymum.* *C.* flowers sessile five-cleft fortify'd with bractes.

*americana.* 2. *C.* flowers peduncled. *american.*

171. HY-



171. HYPECOUM. *Cal.* 2-leaved. *Petals* 4: the two exterior ones broader, 3-cleft. *Fruit* a filique.

*procumbens.* 1. H. leaves bow'd compress'd jointed. *procumbent.*  
*pendulum.* 2. H. filiques bowing columnar cylindrical. *pendulous.*  
*erectum.* 3. H. filiques erect columnar protuberant. *erect.*

1365. GOMOZIA. *Cor.* bell'd, 4-cleft, above. *Cal.* o. *Berry* 2-cell'd. *S.*

*Granadensis.* GOMOZIA. *Granada.*

## FOUR FEMALES.

(*Tetragynia.*)

172. ILEX. *Cal.* 4-tooth'd. *Cor.* wheel'd. *Style* o. *Berry* 4-seeded.

*Aquifolium.* 1. I. leaves egg'd acute thorny.  
*Cassine.* 2. I. leaves egg-lanced saw'd.  
*asiatica.* 3. I. leaves broad-lanced obtuse most intire. *asiatic.*

173. COLDENIA. *Cal.* 4-leaved. *Cor.* funnel-form. *Styles* 4. *Seeds* 2, two-cell'd.

*procumbens.* 1. COLDENIA. *procumbent.*

174. POTAMOGETON, *Cal.* o. *Petals* 4. *Style* o. *Seeds* 4.

*natans.* 1. P. leaves oblong-egg'd petioled swimming. *swimming.*  
*perfoliatum.* 2. P. leaves hearted stem-clasping. *leaf-pierced.*  
*densum.* 3. P. leaves egg'd pointed opposite crowded, stems two-fork'd, spike four-flower'd. *dense.*  
*lucens.* 4. P. leaves lanced flat ending in petioles. *shining.*  
*cristum.* 5. P. leaves lanced alternate or opposite waved saw'd. *curl'd.*  
*ferratum.* 6. P. leaves lanced opposite somewhat waved. *saw'd.*  
*compressum.* 7. P. leaves linear obtuse, stem compress'd. *compress'd.*  
*pectinatum.* 8. P. leaves bristly parrallel approximate two-rank'd. *comb'd.*  
*setaceum.* 9. P. leaves lanced opposite pointed, *bristly.*

S

10. P.

138. TETRANDRIA. TETRAGYNIA. Potamogeton.

- gramineum*, 10. P. leaves linear-lanced alternate sessile broader than the stipule. *grassy.*  
*marinum*. 11. P. leaves linear alternate distinct sheathing below. *marine.*  
*pusillum*. 12. P. leaves linear opposite and alternate distinct expanding at the base, stem columnar. *feeble.*

175. RUPPIA. *Cal.* 0. *Cor.* 0. *Seeds* 4, pedicel'd.  
*maritima*. 1. RUPPIA. *sea.*

176. SAGINA. *Cal.* 4-leaved. *Petals* 4. *Capsf.* 1-cell'd, 4-valved, many-seeded.

- procumbens*. 1. S. branches procumbent. *procumbent*  
*apetala*. S. stem erectish pubescent, flowers alternate petalless. *petalless.*  
*erecta*. 2. S. stem erect mostly one-flower'd. *erect.*  
*virginica*. 3. S. stem erect flowers opposite. *virginian.*

177. TILLÆA. *Cal.* 3-or-4-parted. *Petals* 3 or 4, equal. *Capsf.* 3 or 4, many-seeded.

- aquatica*. 1. T. erect two-fork'd, leaves acute, flowers four-cleft. *aquatic.*  
*muscosa*. 3. T. procumbent, flowers three-cleft. *mossy.*  
*perfoliata*. T. leaves leaf-pierced egg'd, corymbes terminal flowers four-cleft. S. *leaf-pierced.*  
*capensis*. T. leaves oblongish, flowers four-cleft. S. *cape.*

178. MYGINDA. *Cal.* 4-parted. *Petals* 4. *Drupe* globular.

- uragoga*. MYGINDA.



- 182 ANCHUSA. *Cor.* throat vaulted, funnel-form, with tube prismatic at the base.
- 180 MYOSOTIS. *Cor.* throat vaulted falver-form, with lobes end-nick'd.
- \* *Flowers one-petal'd, beneath, five-seeded.*
- 193 NOLANA. *Cor.* one-petal'd. *Seeds* 5, berried, 2 or 4-cell'd.
- \* *Flowers one-petal'd, beneath, seed cover'd.*
- 243 CORIS. *Caps.* 1-cell'd, 5-valved. *Cor.* irregular! *Stigma* headed.
- 204 HYDROPHYLLUM. *Caps.* 1-cell'd, 2-valved. *Cor.* furrow'd with 5 nectaries. *Stigma* 2-cleft.
- 276 GALAX. *Caps.* 1-cell'd, 2-valved. *Cor.* falver-form. *Stigma* roundish.
- 198 CORTUSA. *Caps.* 1-cell'd, oblong. *Cor.* wheel'd. *Stigma* somewhat headed,
- 206 ANAGALLIS. *Caps.* 1-cell'd, circumcised. *Cor.* wheel'd, *Stigma* headed.
- 285 LYSIMACHIA. *Caps.* 1-cell'd, 10-valved. *Cor.* wheel'd. *Stigma* obtuse.
- 201 CYCLAMEN. *Caps.* 1-cell'd pulpy within. *Cor.* reflected, *Stigma* acute.
- 200 DODECATHEON. *Caps.* 1-cell'd, oblong. *Cor.* reflected. *Stigma* obtuse.
- 199 SOLDANELLA. *Caps.* 1-cell'd. *Cor.* torn. *Stigma* simple.
- 197 PRIMULA. *Caps.* 1-cell'd. *Cor.* funnel-form, with throat pervious. *Stigma* globular.
- 196 ANDROSACE. *Caps.* 1-cell'd. *Cor.* falver-form with throat contracted. *Stigma* globular.
195. ARETIA. *Caps.* 1-cell'd? *Cor.* falver-form. *Stigma* head-depress'd.
- 203 HOTTONIA. *Caps.* 1-cell'd. *Cor.* tube beneath the stamens, *Stigma* globular.
- 202 MENYANTHES. *Caps.* 1-cell'd. *Cor.* villous. *Stigma* 2-cleft.
- 1295 ALLAMANDA. *Caps.* 1-cell'd, lens-form, two-valved with valvelets boat-form. *Seeds* imbricated.
- 207 THEOPHRASTA. *Caps.* 1-cell'd, largest! *Cor.* bell'd. *Stigma* acute.
- 1367 SHEFFIELDIA. *Caps.* 1-cell'd, 5-valved. *Cor.* bell'd. *Filaments* ten: alternate ones barren.
- 209 SPIGELIA. *Caps.* 2-cell'd, double! *Cor.* funnel-form. *Stigma* simple.
- 210 OPHIORHIZA. *Caps.* 2-cell'd, 2-parted! *Cor.* funnel-form. *Stigma* 2-cleft.

- 215 CONVULVULUS. *Capsf.* 2-cell'd, 2-seeded. *Cor.* bell'd. *Stigma* 2-cleft.
- 1248 LISIANTHUS. *Capsf.* 2-cell'd, many-seeded. *Cor.* funnel-form bellied. *Style* permanent.
- 103 PATHAGONULA. *Capsf.* 2-cell'd. *Cor.* wheel'd. *Style* two-fork'd.
- 1246 NIGRINA. *Capsf.* 2-cell'd. *Cor.* funnel-form. *Cal.* inflated.
- 246 DATURA. *Capsf.* 2-cell'd, 4-valved ! *Cor.* funnel-form. *Cal.* deciduous.
- 247 HYOSCYAMUS. *Capsf.* 2-cell'd, cover'd ! *Cor.* funnel-form. *Stigma* headed.
- 248 NICOTIANA. *Capsf.* 2-cell'd. *Cor.* funnel-form. *Stigma* end-nick'd.
- 245 VERBASCUM. *Capsf.* 2-cell'd. *Cor.* wheel'd. *Stigma* obtuse. *Stamens* declined.
- 255 CHIRONIA. *Capsf.* 2-cell'd. *Cor.* with tube pitcher'd. *Anthers* deflower'd spiral.
- 1368 RETRIA. *Capsf.* two-cell'd. *Cor.* cylindric, villous without. *Stigma* 2-cleft.
- 194 DIAPENSIA. *Capsf.* 3-cell'd. *Cor.* falver-form. *Cal.* 8-leaved.
- 214 PHLOX. *Capsf.* 3-cell'd. *Cor.* falver-form with tube curved. *Stigma* 3-cleft.
- 217 POLEMONIUM. *Capsf.* 3-cell'd. *Cor.* 5-parted. *Stamens* placed on the valves.
- 216 IPOMOEA. *Capsf.* 3-cell'd. *Cor.* funnel-form. *Stigma* headed.
- 1229 BROSSÆA. *Capsf.* 5-cell'd. *Cor.* lop'd. *Cal.* fleshy.
- 212 AZALÆA. *Capsf.* 5-cell'd. *Cor.* bell'd. *Stigma* obtuse.
- 1369 EPACRIS. *Capsf.* 5-cell'd, 5-valved. *Cor.* funnel-form, villous, nectariferous. *Scales* growing on the germ,
- 302 CEROPEGIA. *Follicles* 2. *Cor.* with border converging. *Seeds* pappus'd.
- 297 NERIUM. *Follic.* 2, erect. *Cor.* with throat crown'd. *Seeds* pappus'd.
- 299 ECHITES. *Follic.* 2, straight. *Cor.* funnel-form with throat naked. *Seeds* pappus'd.
- 1253 PERGULARIA. *Follic.* 2. *Cor.* falver-form. *Nectaries* 5, half-arrow'd.
- 298 PLUMIERIA. *Follic.* 2, refracted. *Cor.* funnel-form. *Seeds* wing'd.
- 300 CAMERARIA. *Follic.* 2, lobed. *Cor.* falver-form. *Seeds* wing'd.

- 301 TABERNÆMONTANA. *Follic.* 2, pulpy. *Cor.* falver-form. *Seeds* simple.
- 295 VINCA. *Follic.* 2, erect. *Cor.* falver-form. *Seeds* simple.
- 1251 CARISSA. *Berries* 2, many-seeded.
- 254 IACQUINIA. *Berry* 1-seeded. *Cor.* 10-cleft: with nectary 5-leaved.
- 259 LAUGIERIA. *Berry* 1-seeded. *Nut* 5-cell'd. *Stigma* headed.
- 1252 PÆDERIA. *Berry* 2-seeded, inflated, fragile.
- 258 VARRONIA. *Berry* 1-seeded. *Nut* 4-cell'd! *Stigma* four-fold.
- 256 CORDEA. *Berry* 1-seeded. *Nut* 4-cell'd. *Stigma* two-fork'd. *Calyx* growing on the berry.
- 257 EHRETIA. *Berry* 4-seeded. *Nuts* 2-cell'd. *Stigma* end-nick'd.
- 192 TOURNEFORTIA. *Berry* 4-seeded perforated at top! *Seeds* 2-cell'd.
- 293 RAUWOLFIA. *Berry* 2-seeded. *Seeds* hearted.
- 294 CERBERA. *Berry* 2-seeded. *Nuts* compress'd retuse.
- 1250 ARDUINA. *Berry* 2-seeded. *Seeds* oblong. *Corol* curvate. *Stigma* 2-cleft.
- 269 MYRSINE. *Berry* 1-seeded. *Stigma* villous.
- 261 CESTRUM. *Berry* 1-cell'd. *Filaments* mark'd with a tooth,
- 260 BRUNFELSIA. *Berry* 1-cell'd. *Cor.* longest.
- 211 RANDIA. *Berry* 1-cell'd, barky. *Cal.* lop'd.
- 253 STRYCHNOS. *Berry* 2-cell'd: *Stigma* headed,
- 252 CAPSICUM. *Berry* 2-cell'd, juiceless. *Anthers* converging.
- 251 SOLANUM. *Berry* 2-cell'd. *Anthers* twice-perforated!
- 250 PHYSALIS. *Berry* 2-cell'd with calyx inflated. *Anthers* approximated,
- 249 ATROPA. *Berry* 2-cell'd. *Stamens* distant, incurvate.
- 244 ELLISIA. *Berry* 2-cell'd. *Seeds* 2: with one higher.
- 262 LYCIUM. *Berry* 2-cell'd. *Stamens* closing with hair at the base.
- 234 MENAIS. *Berry* 4-cell'd. *Cal.* 3-leaved. *Stigmas* two.
- 264 SIDEROXILON. *Berry* 5-seeded. *Cor.* 10-cleft, with the interior divisions converging.
- 263 CHRYSOPHYLLUM. *Berry* 10-seeded. *Cor.* 10-cleft, with the exterior divisions most expanded.
- 1370 IGNATIA. *Cal.* 5-tooth'd. *Cor.* longest. *Drupe* 1-cell'd many-seeded.
- 1371 TEKTONA. *Stigm.* tooth'd: *Drupe* dry, spongy, within the inflated calyx. *Nucleus* 3-cell'd.

\* *Flowers one-petal'd, above.*

- 222 SAMOLUS. *Capsf.* 1-cell'd, 5-valved at top. *Cor.* salverform. *Stigma* headed.
- 226 BELLONIA. *Capsf.* 1-cell'd, with navel beak'd. *Cor.* wheel'd *Stigma* acute.
- 1366 VIRECTA. *Capsf.* 1-cell'd. *Cor.* funnel-form. *Stigma* 2-parted. *Cal.* 5-leaved : with teeth interposed. *S.*
- 225 MACROCNEUMUM. *Capsf.* 2-cell'd top-like. *Cor.* bell'd. *Stigma* two-lobed. *Seeds* imbricated.
- 224 RONDELETIA. *Capsf.* 2-cell'd, subglobular. *Cor.* funnel-form. *Stigma* obtuse.
- 228 CINCHONA. *Capsf.* 2-cell'd gaping within! *Cor.* shaggy. *Stigma* simple.
- 227 PORTLANDIA. *Capsf.* 2-cell'd, crown'd. *Cor.* bellied. *Stigma* simple. *Seeds* imbricated.
- 219 ROELLA. *Capsf.* 2-cell'd, crown'd, *Cor.* wheel'd. *Stigma* 2-cleft.
- 220 PHYTEUMA. *Capsf.* 2-or-3-cell'd, perforated. *Cor.* 5-parted. *Stigma* 2-or-3-cleft.
- 218 CAMPANULA. *Capsf.* 3-or-5-cell'd, perforated. *Cor.* bell'd. *Stigma* 3-cleft.
- 1294 SCÆVOLA. *Drupe* 1-seeded. *Cor.* irregular fan-form : with a longitudinal fissure.
- 221 TRACHELIUM. *Capsf.* 3-cell'd perforated. *Cor.* funnel-form. *Stigma* headed.
- 231 MATTHIOLA. *Berry* 1-seeded. *Cor.* funnel-form. undivided. *Stigma* obtuse.
- 235 MORINDA. *Berry* 1-seeded, aggregate. *Cor.* funnel-form. *Stigma* 2-cleft.
- 229 PSYCOTHRIA. *Berry* 2-seeded. *Seeds* furrow'd. *Cor.* funnel-form. *Stigma* end-nick'd.
- 230 COFFEA. *Berry* 2-seeded. *Seeds* aril'd! *Cor.* salver-form. *Stigma* 2-parted.
- 231 CHIOCOCCA. *Berry* 2-seeded. *Cor.* funnel-form. *Stigma* simple.
- 296 GARDENIA. *Berry* 2-cell'd, many-seeded. *Cor.* funnel-form. *Cal.* with divisions sword-form vertical.
- GARDENIA. *contorted*, *Berry* beneath, two or four-cell'd many-seeded. *S.*
- 240 GENIPA. *Berry* 2-cell'd roundish. *Cor.* wheel'd. *Stigma* club'd.

- 233 LONICERA. *Berry* 2-cell'd roundish. *Cor.* unequal. *Stigma* headed.
- 234 TRIOSTEUM. *Berry* 3-cell'd leathery. *Cor.* unequal. *Stigma* oblong.
- 241 MUSSÆNDA. *Berry* 4-cell'd, oblong. *Cor.* funnel-form. *Stigma* 2-parted.
- 232 HAMELLIA. *Berry* 5-cell'd many-seeded. *Cor.* with tube long. *Stigma* linear.
- 238 ERITHALIS. *Berry* 10-cell'd; subglobular. *Cor.* wheel'd. *Stigma* acute.
- \* *Rubia.*
- \* *Crucianella.*
- \* *Prinos.*
- \* *Flowers five-petal'd, beneath.*
- 280 HIRTELLA. *Berry* 1-seeded. *Style* lateral. *Stamens* permanent, spiral.
- 265 RHAMNUS. *Berry* 3-cell'd, round. *Cal.* tubular corol-bearing. *Scales* of the mouth 5, converging.
- 267 CEANOTHUS. *Berry* 3-grain'd. *Cal.* tubular corol-bearing. *Petals* vaulted.
- 270 CELASTRUS. *Berry* 3-grain'd. *Cal.* flat. *Seeds* aril'd.
- 271 EUONYMUS. *Berry* capsular, lobed. *Cal.* expanding. *Seeds* berry aril'd.
- 1206 AQUILICIA. *Berry* 5-seeded. *Cor.* with nectary pitcher'd.
- 284 VITIS. *Berry* 5-seeded. *Cor.* often shrivel-conjoin'd. *Style* none.
- 278 MANGIFERA. *Drupe* kidney-form. *Cor.* with petals lanced. *Nucleus* woolly.
- 1373 CORYNOCARPUS. *Nut* club'd, *Nectaries* five petal-form, alternating with petals, gland-bearing at the base. *S.*
- 277 CEDRELA. *Capsf.* 5-cell'd, gaping at the base! *Cor.* united to the receptacle. *Seed* wing'd.
- 268 BUTTNERA. *Capsf.* 5-grain'd. *Cal.* ear'd with petals. *Stamens* annex'd to the nectary.
- 272 DIOSMA. *Capsf.* 5-fold. *Nectary* crowning the germ. *Seeds* aril'd
- 1374 ARGOPHYLLUM. *Capsf.* 3-cell'd. *Nectary* pyramidal, five-angled, the length of the corol. *S.*
- 287 CLAYTONIA. *Capsf.* 1-cell'd, 3-valved. *Cal.* 2-valved. *Stigma* 3-cleft.



- 1234 RORIDULA. *Capf.* 1-cell'd, 3-valved. *Nectary* of the anther bag-form.
- 275 ITEA. *Capf.* 1-cell'd, 2-valved. *Cal.* corol-bearing. *Stigma* obtuse.
- 286 SAUVAGESIA. *Capf.* 1-cell'd. *Nectary* 5-leaved! *Petals* fringed.
- 274 BRUNIA. *Seed* 1, villous. Common *Receptacle* villous. *Stamens* inserted on the claws of the petals.
- 237 KUHNIA. *Seed* 1, pappus'd. Common *Receptacle* naked.
- 223 NAUCLEA. *Seed* 1, two-cell'd. Common *Receptacle* naked.
- \* *Casalpinia pentandra.* \* *Bombax pentandrum.*
- \* *Cassia nititans.* \* *Violets.*
- \* *Flowers five-petal'd above.*
- 281 RIBES. *Berry* many-seeded. *Cal.* corol-bearing. *Style* 2-cleft.
- 283 HEDERA. *Berry* 5-seeded. *Cal.* encompassing the fruit. *Stigma* simple.
- 1249 PLECTRONIA. *Berry* 2-seeded. *Cal.* closed with claws. *Anthers* included, doubled.
- 1372 ESCALLONIA. *Fruit* 2-cell'd, many-seeded. *Petals* distant, tongued. *Stigma* headed.
- 266 PHYLICA. *Berry* 3-grain'd. *Cal.* tubular corol-bearing with 5 converging scales.
- 282 GRONOVIA. *Capf.* 1-seeded colour'd. *Cal.* colour'd. *Petals* minute.
- 1297 HELICONIA. *Capf.* 3-grain'd. *Cor.* irregular. *Cal.* 6.
- 1247 CYRILLA. *Capf.* 2-cell'd, many-seeded. *Style* two-cleft. *Petals* pointed.
- 285 LAGOECIA. *Seeds* 2, naked. *Cal.* feather-comb'd. *Petals* 2-horn'd.
- 236 CONOCARPUS. *Seed* 1, depresso'd. *Receptacle* aggregating. *Petals* converging.
- Flowers incomplete, beneath.*
- 288 ACHYRANTHES. *Seed* 1, oblong. *Cal.* exterior 3-leaved, naked.
- 289 CELOSIA. *Capf.* 3-seeded. *Cal.* exterior 3-leaved, colour'd.
- 290 ILLECEBRUM. *Capf.* 1-seeded 5-valved. *Cal.* simple, rude.
- 291 GLAUX. *Capf.* 5-seeded 5-valved. *Cal.* simple, ruder, bell'd.

\* *Polygonum amphibium, lapathifolium.*

\* *Ceratonia.*

*Flowers incomplete, above.*

292 THESIUM. *Seed 1, crown'd. Cal. stamen-bearing.*

\* *Loranthus.* \* *Trianthena monogyna.*

## TWO FEMALES.

(*Digynia,*)

\* *Flowers one-petal'd, beneath.*

307 STAPELIA. *Follicles 2, Cor. wheel'd: Nectaries star'd.*

304 CYNANCUM. *Follicles 2. Cor. wheel'd: Nectary cylindric.*

303 PERIPLOCA. *Follicles 2. Cor. wheel'd; Nectaries 5, thread-form.*

305 APOCYNUM. *Follicles 2. Cor. bell'd: with 5 glandular Nectaries with 5 bristles.*

306 ASCLEPIAS. *Follicles 2. Cor. reflected. with 5 Nectaries ear-form clawletted.*

321 SWERTIA. *Capsf. 1-cell'd, 2-valved. Cor. wheel'd, with 5 nectar-bearing pores.*

322 GENTIANA. *Capsf. 1-cell'd 2-valved. Cor. tubular indeterminate.*

313 CRESSA. *Capsf. 1-seeded, 2-valved. Cor. salver-form: with border reflected.*

318 HYDROLEA. *Capsf. 2-cell'd, 2-valved. Cor. wheel'd.*

1339 PORANA. *Fruit 2-valved. Calyx enlarged in the fruit. Style elongated, half-two-cleft.*

319 SCHREBERA. *Fruit 2-cell'd. Cor. funnel-form. a Scale of the Nectary growing on each filament.*

1254 STERIS. *Berry many-seeded. Cor. wheel'd.*

1375 MELODINUS. *contorted. Berry two-cell'd, many-seeded. Throat of the corol crown'd.*

\*\* *Flowers five-petal'd. above.*

1376 RUSSELIA. *Cal. 5-leaved. Petals 5, above. Capsf. 1-cell'd, many-seeded.*

\* *Flowers five-petal'd, beneath.*

447 VELEZIA. *Capsf. 1-cell'd, 1-valved. Cor. 5-petal'd. Cal. tubular.*

1293 LINCONIA. *Capsf. 2-cell'd. a pit in the Petals. Cal. 4-leaved.*

317 NAMA. *Capsf. 1-cell'd, 2-valved. Cor. 5-petal'd, less.*

320 HEUCHERA.

- 320 HEUCHERA. *Capf.* 2-cell'd, 2-beak'd. *Cor.* 5-petal'd, inserted on the calyx.
- 312 ANABASIS. *Berry* 1-seeded. *Cor.* 5-petal'd, least.
- 1377 COPROSMA, hermaphrodite: *Calyx* 5-parted. *Cor.* 5-or-7-cleft. *Stamens* 5 to seven. *Styles* two, long. *Berry* 2-seeded. *Seeds* two flatish.
- \* *Staphylea pinnata.*  
\* *Flowers incomplete.*
- 311 SALSOLA. *Seed* 1, snail-shell'd, cover'd. *Cal.* 5-leaved.
- 309 CHENOPODIUM. *Seed* 1, orbicular. *Cal.* 5-leaved with leaflets concave.
- 310 BETA. *Seed* 1, kidney-form. *Cal.* 5-leaved, nourishing the seed at the base.
- 308 HERNIARIA. *Seed* 2, egg'd, cover'd. *Cal.* 5-parted. *Filaments* 5, barren.
- 314 GOMPHRENA. *Capf.* 1-seeded, circumcised. *Cal.* 2-leaved, compress'd, colour'd.
- 315 BOSEA. *Berry* 1-seeded. *Cal.* 5-leaved.
- 316 ULMUS. *Berry* juiceless, compress'd. *Cal.* 1-leaved, withering.
- \* *Rhamnus Zizyphus.*  
\* *Polygonum virginianum.*  
\* *Trianthema pentandra.*
- \* *Flowers five-patal'd, above, two-seeded. Umbel'd.*  
A. *With an universal and partial involucre.*
- 323 PHYLLIS. *Flowers* dispersed.
- 324 ERYNGIUM. *Flowers* headed. *Receptacle* chaffy.
- 325 HYDROCOTYLE. *Fl.* subumbel'd, fertile. *Seed* compress'd.
- 326 SANICULA. *Fl.* subumbel'd, abortive. *Seed* murex'd.
- 327 ASTRANTIA. *Fl.* umbel'd, abortive. *Invol.* colour'd. *Seed* wrinkled.
- 345 HERACLEUM. *Fl.* radiate, abortive. *Invol.* deciduous. *Seed* membranous.
- 352 OENANTHE. *Fl.* radiate, abortive in the radius. *Invol.* simple. *Seeds* crown'd, sessile.
- 329 ECHINOPHORA. *Fl.* radiate, abortive. *Invol.* simple. *Seeds* sessile.
- 331 CAUCALIS. *Fl.* radiate, abortive. *Invol.* simple. *Seeds* murex'd.
- 332 ARTEDIA. *Fl.* radiate, abortive. *Invol.* feather'd. *Seeds* with leafy notches in the margin.

- 333 DAUCUS. *Fl.* radiate, abortive. *Invol.* feather'd. *Seeds* hispid.
- 330 TORDYLEUM. *Fl.* radiate, fertile. *Invol.* simple. *Seeds* notch'd in the margin.
- 344 LASERPITIUM. *Fl.* flosculous abortive. *Petals* hearted. *Seeds* 4-wing'd.
- 339 PEUCEDANUM. *Fl.* flosculous, abortive. *Invol.* simple. *Seeds* depress'd, striated.
- 334 AMMI. *Fl.* flosculous, fertile. *Invol.* feather'd. *Seeds* gibbous, polish'd.
- 341 HASELQUISTIA. *Fl.* flosculous, fertile. *Petals* hearted. *Seeds* of the Rays flat; of the Disk pitcher'd.
- 336 CONIUM. *Fl.* flosculous fertile. *Petals* hearted. *Seeds* gibbous, rib-furrow'd. *Involucel* halv'd.
- 335 BUNIUM. *Fl.* flosculous fertile. *Petals* hearted. *Involucels* bristly.
- 338 ATHAMANTA. *Fl.* flosculous, fertile. *Petals* hearted. *Seeds* convex, striated.
- 328 BUPLEURUM. *Fl.* flosculous fertile. *Petals* involute (*and in most of the leaves undivided, or the involucels petal-form.*)
- 348 SIUM. *Fl.* flosculous, fertile. *Petals* hearted. *Seeds* almost egg'd, striated.
- 337 SELINUM. *Fl.* flosculous fertile. *Petals* hearted. *Seeds* depress'd, striated.
- 351 CUMINUM. *Fl.* flosculous fertile. *Petals* hearted. *Umbel* 4-cleft, with *Involucres* bristly, longest.
- 343 FERULA. *Fl.* flosculous fertile. *Petals* hearted. *Seeds* flat,
- 340 CRITHMUM. *Fl.* flosculous fertile. *Petals* flatish. *Involucre* horizontal.
- 350 BUBON. *Fl.* flosculous fertile. *Petals* flatish. *Invol.* 5-leaved.
- 342 CACHRYS. *Fl.* flosculous fertile. *Petals* flatish. *Seeds* with bark corky.
- 346 LIGUSTICUM. *Fl.* flosculous fertile. *Petals* involute. *Invol.* membranous.
- 347 ANGELICA. *Fl.* flosculous fertile. *Petals* flattish. *Umbels* globular.
- 349 SISON. *Fl.* flosculous fertile. *Petals* flatish. *Umbel* impoverish'd.

B. *With partial Involucres ; no universal one.*

- 355 ETHUSA. *Fl.* subradiate fertile. *Involucel* halved.  
 356 CORIANDRUM. *Fl.* radiate, abortive. *Fruit* subglobular.  
 357 SCANDIX. *Fl.* radiate, abortive. *Fruit* oblong.  
 358 CHÆROPHYLLUM. *Fl.* flosculus, abortive. *Involucel* 5-leaved:  
 353 PHELLANDRIUM. *Fl.* flosculus fertile. *Fruit* crown'd.  
 359 IMPERATORIA. *Fl.* flosculus fertile. *Umbel* flat-expanded.  
 360 SESELI. *Fl.* flosculus fertile. *Umbel* rigidish.  
 354 CICUTA. *Fl.* flosculus fertile. *Petals* flatish.

\* *Beupleurum rotundifolium. Apium Petros. et Anisum.*

C. *With no Involucre ; neither universal, nor partial.*

- 363 SMYRNIUM. *Fl.* flosculus, abortive. *Seeds* kidney-form, angled.  
 364 CARUM. *Fl.* flosculus, abortive. *Seeds* gibbous, striated.  
 361 THAPSIA. *Fl.* flosculus, fertile. *Seeds* membrane-wing'd end-nick'd.  
 362 PASTINACA. *Fl.* flosculus, fertile. *Seeds* flat-depress'd.  
 364 ANETHUM. *Fl.* flosculus, fertile. *Seeds* border'd, striated.  
 368 EGOPODIUM. *Fl.* flosculus, fertile. *Seeds* gibbous, striated. *Petals* hearted.  
 367 APIUM. *Fl.* flosculus fertile. *Seeds* minute, striated. *Petals* inflected.  
 366 PIMPINELLA. *Fl.* flosculus, fertile. (*Umbels* nodding before *florescence.*) *Petals* hearted.  
 1378 CUSSONIA. *Petals* 5, three-corner'd. The border of the receptacle dilated into a five-tooth'd calyx.

## T H R E E F E M A L E S .

(*Trigynia.*)

\* *Flowers above.*

- 370 VIBURNUM. *Cor.* 5-cleft. *Berry* 1-seeded.  
 372 SAMBUCUS. *Cor.* 5-cleft. *Berry* 3-seeded.

\* *Flowers above.*

- 369 RHUS. *Cor.* 5-petal'd, *Berry* 1-seeded.  
 371 CASSINE. *Cor.* 5-petal'd. *Berry* 3-seeded.  
 1379 SEMECARPUS. *Cor.* 5-petal'd. *Drupe* hearted, cell'd, 1-seeded.

373 SPATHELIA.

- 373 SPATHELIA. *Cor.* 5-petal'd. *Capsf.* 3-cell'd, 3-corner'd. 1-seeded. *Filaments* tooth'd at the base.
- 374 STAPHYLEA. *Cor.* 5-petal'd. *Capsf.* 2-or-3-cleft, inflated.
- 375 TAMARIX. *Cor.* 5-petal'd. *Capsf.* 1-cell'd. *Seeds* pappus'd.
- 381 DRYPIS. *Cor.* 5-petal'd, crown'd. *Capsf.* 1-seeded circumcised.
- 376 TURNERA. *Cor.* 5-petal'd. *Capsf.* 1-cell'd. *Cal.* 1-leaved, corol-bearing.
- 383 SAROTHRA. *Cor.* 5-petal'd. *Capsf.* 1-cell'd, colour'd. *Cal.* 1-leaved.
- 380 ALSINE. *Cor.* 5-petal'd, *Capsf.* 5-leaved, *Petals* 2-cleft.
- 377 TELEPHIUM. *Cor.* 5-petal'd, *Capsf.* 1-cell'd, three-sided. *Cal.* 5-leaved.
- 378 CORRIGIOLA. *Cor.* 5-petal'd. *Seed* 1, three-sided. *Cal.* 5-parted.
- 579 PHARNACEUM. *Cor.* none. *Cal.* 5-leaved. *Capsf.* 3-cell'd.
- 1299 XYLOPHYLLA. *Cal.* 5-parted. *Capsf.* 3-grain'd: with two feeds.
- 382 BASELLA. *Cor.* none. *Cal.* 6-cleft. *Seed* 1, globular, with calyx berried.

\* *Rhamnus Paliurus.*

\* *Celastrus.*

## FOUR FEMALES.

(*Tetragynia.*)

- 384 PARNASSIA. *Cor.* 5-petal'd. *Capsf.* 4-valved. *Nectaries* 5, glandular-fringed.
- 385 EVOLVULUS. *Cor.* 1-petal'd. *Capsf.* 4-cell'd.

## FIVE FEMALES.

(*Pentagynia.*)

\* *Flowers above.*

- 316 ARALIA. *Cor.* 5-petal'd. *Berry* 5-seeded.
- 1380 COMMERSONIA. *Cal.* 1-leaved, corol-bearing. *Petals* 5. *Nectary* 5-parted. *Capsf.* 3-cell'd, hedgehog'd.

\* *Flowers beneath.*

- 392 CRASSULA. *Cor.* 5-parted. *Capsf.* 5, many-seeded.

1340 GISEKIA



152. FIVE MALES. ONE FEMALE. *Heliotropium*.

O N E F E M A L E.

(*Monogynia*.)

179. HELIOTROPIUM. *Cor.* falver-form, 5-cleft, with teeth interposed: the throat closed with vaults.

- peruvianum*. 1. H. leaves lance-egg'd, stem shrubby, spikes numerous aggregate-corymbed. *peruvian.*
- indicum*. 2. H. leaves heart-egg'd acute ruggedish, spikes solitary, fruit two-cleft. *indian.*
- parviflorum*. H. leaves egg'd wrinkled rugged opposite alternate, spikes pair'd. *small-flower'd.*
- europæum*. 3. H. leaves egg'd most intire downy wrinkled, spikes pair'd. *european.*
- supinum*. 4. H. leaves egg'd most intire downy plaited, spikes solitary. *supine.*
- fruticosum*. 5. H. leaves linear-lanced hairy, spikes solitary sessile. *shrubby.*
- curassavicum*. 6. H. leaves lance-linear smooth veinless, spikes pair'd. *curassoa.*
- orientale*. 7. H. leaves linear smooth veinless, flowers scatter'd lateral. *oriental.*
- gnaphalodes*. 8. H. leaves linear obtuse downy, peduncles two fork'd, flowers of the spikes fourfold, stem shrubby. *gnaphalium-like.*

180. MYOSOTIS. *Cor.* falver-form, 5-cleft, end-nick'd: the throat closed with vaults.

*Mouse-ear.*

- scorpioides*. 1. M. seeds polish'd, tops of the leaves callous. *scorpion-like.*
- fruticosa*. M. seeds polish'd, stem shrubby polish'd. *shrubby.*
- virginiana*. 2. M. seeds barb-prikled, leaves egg-oblong, branches divaricated. *virginian.*
- Lappula*. 3. M. seeds with prickles with barbs, leaves lanced hairy.
- apula*. 4. M. seeds naked, leaves hispid, racemes leafy.

181. LITHOSPERMUM. *Cor.* funnel-form with throat perforated, naked. *Cal.* 5-parted.

- officinale*. 1. L. seeds polish'd, corols scarce surpassing the calyx, leaves lanced. *officinal.*
2. L.



- arvense.* 2. L. seeds wrinkled, corols scarce surpassing the calyx. *field.*
- virginicum.* 3. L. leaves suboval nervy, corols pointed. *virginian.*
- orientale.* 7. L. branches flower-bearing lateral, bractes hearted stem-clasping. *oriental.*
- purpuro-coerulum.* 4. L. seeds polish'd, corols very frequently surpassing the calyx. *purple-blue.*
- fruticosum.* 5. L. shrubby, leaves linear hispid, stamens equalling the corol. *shrubby.*
- dispermum.* 6. L. seeds two, calyxes expanding. *two-seeded.*
- tenuiflorum.* L. leaves linear-lanced lance-briftled, corols thread-form. *S. slender-flower'd.*

182. ANCHUSA. *Cor.* funnel-form, the throat closed with vaults. *Seeds* engraved at the base.

- officinalis.* 1. A. leaves lanced spikes imbricated one-rank'd. *official.*
- angustifolia.* 2. A. racemes nakedish pair'd. *narrow-leaved.*
- undulata.* 3. A. lance-briftled, leaves linear tooth'd, pedicels less than the bracte, calyxes fruit-bearing inflated. *waved.*
- tinctoria.* 7. A. downy, leaves lanced obtuse, stamens shorter than the corol. *dyers.*
- virginica.* 5. A. flowers scatter'd, stem smooth. *virginian.*
- lanata,* 6. A. leaves villous, calyxes shaggy, stamens longer than the corol. *woolly.*
- sempervirens.* 8. A. peduncles two-leaved headed. *ever-green.*

183. CYNOGLOSSUM. *Cor.* funnel-form, the throat closed with vaults. *Seeds* depress'd, affix'd to the style on the interior side only. *Houndstongue.*

- officinale.* 1. C. stamens shorter than the corol, leaves broad-lanced downy sessile. *official.*
- virginicum.* 2. C. leaves spatule-lanced lucid three-nerved at the base, bracte of the peduncles stem-clasping. *virginian.*
- cheirifolium.* 3. C. corols twice as long as the calyx, leaves lanced. *cheiri-leaved.*
- appeninum.* 4. C. stamens equalling the corol. *appenine.*

154. FIVE MALES. ONE FEMALE. *Cynoglossum*.

- laevigatum*. C. leaves lance-egg'd smoothish, calyx downy, seeds polish'd. *polish'd.*  
*lusitanicum*. 6. C. leaves linear-lanced smooth. *portugal.*  
*linifolium*. 5. C. leaves linear-lanced rugged. *flax-leaved.*  
*Omphalodes*. 8. C. creeping, radical leaves hearted. *navel'd.*  
*Rindera*. C. arils smooth; stem erect, leaves elliptic soft. *S.*

184. PULMONARIA. *Cor.* funnel-form, with throat pervious. *Cal.* prismatic-5-corner'd. *Lungwort.*

\* *Perianth the length of the tube of the corol.*

- angustifolia*. 1. P. radical leaves lanced. *narrow-leaved.*  
*officinalis*. 2. P. radical leaves egg-hearted rugged. *officinal.*  
*suffruticosa*. 6. P. leaves linear rugged, calyxes awl'd five-parted. *shrubbyish.*

\*\* *Calyxes shorter by half than the tube of the corol.*

- virginica*. 3. P. calyxes abbreviated, leaves lanced obtusifish. *virginian.*  
*sibirica*. 4. P. calyxes abbreviated, radical leaves hearted. *siberian.*  
*maritima*. 5. P. calyxes abbreviated, leaves egg'd, stem branchy procumbent. *sea.*

185. SYMPHYTUM. Border of the *Corol* tubular-bellied: the throat closed with awl'd rays. *Comfrey.*

- officinale*. 1. S. leaves egg-lanced decurrent. *officinal.*  
*tuberosum*. 2. S. leaves semidecurrent: the highest opposite. *tuberos.*  
*orientale*. 3. S. leaves egg'd subpetioled. *orientale.*

186. CERINTHE. Border of the *Corol* tubular-bellied: throat pervious. *Seeds* 2, two-cell'd.

- major*. 1. C. leaves stem-clasping, corols obtusifish expanded. *greater.*  
*miuor*. 2. C. leaves stem-clasping intire, corols acute closed. *less.*

187. ONOSMA.

187. ONOSMA. *Cor.* bell'd : with throat pervious.

*Seeds* 4.

- |                        |  |                     |
|------------------------|--|---------------------|
| <i>simplicissima</i> . | 1. O. leaves crowded lance-linear hairy,     | <i>simplest.</i>    |
| <i>orientalis</i> .    | 2. O. leaves lanced hispid, fruit pendulous. | <i>oriental.</i>    |
| <i>echioides</i> .     | 3. O. leaves lanced hispid, fruit erect.     | <i>echium-like.</i> |

188. BORAGO. *Corol* wheel'd : the throat closed with Rays. *Borage.*

- |                      |   |                   |
|----------------------|---|-------------------|
| <i>officinalis</i> . | 1. B. leaves all alternate, calyxes expanding.                                    | <i>officinal.</i> |
| <i>indica</i> .      | 2. B. leaves of the ramifications opposite stem-clasping, peduncles one-flower'd. | <i>indian.</i>    |
| <i>africana</i> .    | 4. B. leaves opposite petioled egg'd, peduncles many-flower'd.                    | <i>african.</i>   |
| <i>zeylanica</i> .   | B. branch-leaves alternate sessile, peduncles one-flower'd, calyxes earless.      | <i>Ceylon.</i>    |
| <i>orientalis</i> .  | 4. B. calyxes shorter than the tube of the corol, leaves hearted.                 | <i>oriental.</i>  |

189. ASPERUGO. *Cal.* of the Fruit compress'd : with foldlets flat-parallel, sinuous.

- |                     |  |                    |
|---------------------|--|--------------------|
| <i>procumbens</i> . | 1. A. calyxes of the fruit compress'd. | <i>procumbent.</i> |
| <i>ægyptiaca</i> .  | 2. A. calyxes of the fruit bellied,    | <i>ægyptian.</i>   |

190. LYCOPSIS. *Corol* with tube curvated.

- |                     |   |                    |
|---------------------|---|--------------------|
| <i>vescaria</i> .   | 1. L. leaves most intire, stem prostrate, calyx fructescent inflated pendulous. | <i>bladder.</i>    |
| <i>pulla</i> .      | 2. L. leaves most intire, stem erect, calyxes fructescent inflated pendulous.   | <i>dark.</i>       |
| <i>variegata</i> .  | 3. L. leaves scollop'd tooth'd callous, stem decumbent, corols bowing.          | <i>variegated.</i> |
| <i>arvensis</i> .   | 4. L. leaves lanced hispid, calyxes florescent erect.                           | <i>field.</i>      |
| <i>orientalis</i> . | 5. L. leaves egg'd most intire rugged, calyxes erect.                           | <i>oriental.</i>   |
| <i>virginica</i> .  | 6. L. leaves linear-lanced crowded downy soft, stem erect.                      | <i>virginian.</i>  |

191. ECHIUM. *Cor.* irregular, with throat naked.

- |                     |  |                 |
|---------------------|--|-----------------|
| <i>fruticosum</i> . | 1. E. stem shrubby, branches and leaves hairy. | <i>shrubby.</i> |
|---------------------|--|-----------------|

156. FIVE MALES. ONE FEMALE. *Echium*.

- candicans*. E. shrubby flaggy white, leaves lanced pointed at both ends vein-nerved, panicle terminal, pedicels spiked. *S.* *hoary.*
- giganteum*. E. shrubby, branches hoary smooth, leaves linear-lanced ruggedish sessile, thyrses terminal: with spikes simplest. *S.* *giant.*
- strictum*. E. shrubby, leaves petioled elliptic hispid rugged, stem reversely hispid, peduncles axillary, spike headed. *S.* *upright.*
- argenteum*. E. leaves linear white-flaggy'd expanded at top. *S.* *silver.*
- capitatum*. 8. E. stem hairy, flowers head-corymbed equal, stamens longer than the corol, leaves hispid. *S.* *headed.*
- plantagineum*. E. radical leaves egg'd lined petioled. *S.* *plaintain.*
- laevigatum*. 2. C. stem polish'd, leaves lanced naked rugged on the margin and top, equal to the corol. *S.* *polish'd.*
- italicum*. 3. E. stem erect hairy, spikes flaggy, corols subequal, stamens longest. *S.* *italian.*
- spicatum*. E. stems ascending simplest, flowers spiked. *S.* *spiked.*
- vulgare*. 4. E. stem tubercle-hispid, stem-leaves lanced hispid, flowers spiked lateral. *S.* *common.*
- violaceum*. 9. E. corols equalling the stamens, with tube shorter than the calyx. *S.* *violet.*
- creticum*. 5. E. stem procumbent, calyxes fructescent distant. *S.* *cretan.*
- orientale*. 6. E. stem branchy, stem-leaves egg'd, flowers solitary lateral. *S.* *oriental.*
- lusitanicum*. 7. E. corols longer than the stamen. *S.* *portugal.*

1245. MESSERSCHMIDIA. *Cor.* funnel-form with throat naked. *Berry* corky, two-partible: with each two-seeded.

- fruticosa*. M. stem branchy, leaves petioled corols salver-form. *S.* *shrubby.*
- Arguzia*. M. stem herbaceous, leaves sessile, corols funnel-form. *S.*

192. TOURNEFORTIA. *Berry* two-cell'd, two-seeded, above, perforated with two pores at top.

- ferrata*. 1. T. leaves egg'd saw'd, petioles thorn-becoming, spikes terminal recurved. *S.* *saw'd.*
2. T.

- hirsutissima*. 2. T. leaves egg'd petioled, stem shaggy, spikes most  
branchy, terminal. *most-shaggy.*
- volubilis*. 3. T. leaves egg'd pointed smooth, petioles reflected stem  
twining. *twining.*
- argentea*. T. leaves egg'd obtuse down-filky, spikes terminal  
compound. *S. silver.*
- fœtidissima*. 4. T. leaves egg-lanced shaggy, peduncles branchy,  
spikes pendulous. *most-fœtid.*
- humilis*. 5. T. leaves lanced sessile, spikes simple recurved lateral.  
*humble.*
- cymosa*. 3. T. leaves egg'd most intire naked, spikes cymed.  
*cymed.*
- suffruticosa*. 8. T. leaves sublanced hoary, stem shrubbyish. *shrubbyish.*

193. NOLANA. *Cor.* bell'd. *Style* between the  
germs. *Seeds* 5, berried, two-cell'd.

*prostrata*. I. NOLANA. *prostrate.*

194. DIAPENSIA. *Cor.* falver-form. *Cal.* 5-leaved,  
imbricated with three leaflets. *Stamens*  
placed on the tube of the corol. *Capsf.*  
3-cell'd.

*lapponica*. I. D. flowers peduncled. *lapland.*

195. ARETIA. *Cor.* falver-form 5-cleft: with tube  
egg'd. *Stigma* head-depress'd. *Capsf.*  
1-cell'd, globular mostly five-seeded.

*helvetica*. A. imbricated, flowers subsessile. *swiss.*

*alpina*. I. A. leaves linear expanding, flowers peduncled. *al-  
pine.*

*Vitaliana*. A. leaves linear recurvate, flowers subsessile. *Vitalian.*

196. ANDROSACE. *Involucre* of the umbellet.  
Tube of the *Corol* egg'd: with mouth  
glandular. *Capsf.* 1-cell'd, globular.

*maxima*. I. A. perianths of the fruit largest. *largest.*

*elongata*. 7. A. leaves somewhat tooth'd, pedicels longest, corols  
shorter than the calyx. *elongate.*

2. A.

158. FIVE MALES. ONE FEMALE. Androsace.

- |                    |  |                  |
|--------------------|--|------------------|
| <i>septentrio-</i> | 2. A. leaves lanced tooth'd smooth, perianths angled |                  |
| <i>nalis.</i>      | shorter than the corol.                              | <i>northern.</i> |
| <i>villosa.</i>    | 3. A. leaves hairy perianth shaggy.                  | <i>villous</i>   |
| <i>laetea.</i>     | 4. A. leaves lanced smooth, umbel many times longer  |                  |
|                    | than the involucre.                                  | <i>milky.</i>    |
| <i>carnea.</i>     | 5. A. leaves awl'd smooth, umbel equalling the invo- |                  |
|                    | lucre.   | <i>fleshy.</i>   |

197. PRIMULA. *Involucre* of the umbellet. Tube of *Corol* cylindric : with mouth expanded. *Primrose,*

- |                      |   |                       |
|----------------------|---|-----------------------|
| <i>veris.</i>        | 1. P. leaves tooth'd wrinkled.                                | <i>spring.</i>        |
| <i>farinosa.</i>     | 2. P. leaves notch'd smooth, border of the flowers flat.      | <i>mealy.</i>         |
| <i>Auricula-</i>     | 3. P. leaves saw'd smooth.                                    |                       |
| <i>minima.</i>       | 5. P. leaves wedge-form tooth'd glossy shaggy, scapes         | <i>leaf.</i>          |
|                      | mostly one-flower'd.  |                       |
| <i>cortusoides.</i>  | 7. P. leaves petioled hearted sublobed notch'd.               | <i>cortusa-</i>       |
|                      |   | <i>like.</i>          |
| <i>integrifolia.</i> | 8. P. leaves most intire smooth oblong, calyxes tubular       | <i>intire-leaved.</i> |
|                      | obtuse.   |                       |
| <i>glutinosa.</i>    | P. <i>involucre</i> the length of the sessile flowers, leaves |                       |
|                      | lanced glutinous. <i>♂.</i>                                   | <i>glutinous.</i>     |

198. CORTUSA. *Corol* wheel'd : with a ring elevated in the throat. *Capsf.* 1-cell'd, oval, with top 5-valved.

- |                   |                                       |                       |
|-------------------|---------------------------------------|-----------------------|
| <i>Matthioli.</i> | 1. C. calyxes shorter than the corol. | <i>of Matthiolus.</i> |
| <i>Gmelini.</i>   | 2. C. calyxes exceeding the corol.    | <i>of Gmelin,</i>     |

199. SOLDANELLA. *Corol* bell'd, torn-many-cleft. *Capsf.* 1-cell'd, many-tooth'd at top.

- |                |                |                |
|----------------|----------------|----------------|
| <i>alpina.</i> | 1. SOLDANELLA. | <i>alpine.</i> |
|----------------|----------------|----------------|

200. DODECATHEON. *Cor.* wheel'd, reflected, *Stam.* standing on the tube.. *Capsf.* 1-cell'd, oblong.

- |                |                 |
|----------------|-----------------|
| <i>Meadia.</i> | 1. DODECATHEON, |
|----------------|-----------------|

201. CY-

201. CYCLAMEN. *Cor.* wheel'd, reflected, with tube shortest: the throat prominent. *Berry* cover'd with the capsule. *Sow-bread.*

<i>europæan.</i>	1. C. corol retroflected.	<i>european.</i>
<i>indicum.</i>	2. C. corol with border nodding.	<i>indian.</i>

202. MENYANTHES. *Corol* shaggy. *Stigma* two-cleft. *Capsf.* 1-cell'd. *Bogbean.*

<i>Nymphoides.</i>	1. M. leaves hearted most intire, corols fringed.	<i>Nymphelike.</i>
<i>indica.</i>	2. M. leaves hearted somewhat notch'd, petioles flower-bearing, corols internally hairy.	<i>indian.</i>
<i>trifoliata.</i>	3. M. leaves three'd.	<i>three-leaved.</i>
<i>ovata.</i>	M. leaves egg'd petioled, stem paniced.	<i>S. egg'd.</i>

203. HOTTONIA. *Corol* falver-form. *Stamens* placed on the tube of the corol. *Capsf.* 1-cell'd.

<i>palustris.</i>	1. H. peduncles verticil-many-flower'd.	<i>marsh.</i>
<i>indica.</i>	A. H.? peduncles axillary one-flower'd.	<i>indian.</i>

204. HYDROPHYLLUM. *Cor.* bell'd, with 5 honey-bearing longitudinal strias on the inside. *Stigma* 2-cleft. *Capsf.* globular 2-valved. *Water-leaf.*

<i>virginicum.</i>	1. H. leaves feather-cut.	<i>virginian.</i>
<i>canadense.</i>	2. H. leaves lobe-angled.	<i>canadian.</i>

224. ELLISIA. *Cor.* funnel-form, narrow. *Berry* dry, two-cell'd, two-valved. *Seeds* 2, dotted: with one upon the other.

*Nyctelea.* 1. ELLISIA.

160. FIVE MALES, ONE FEMALE. *Lysimachia*.

205. *LYSIMACHIA*. *Cor.* wheel'd. *Caps.* globular, dagger'd, 10-valved. *Loofe-strife*.

\* *With peduncles many-flower'd.*

- vulgaris*. 1. L. paniced: with racemes terminal. *common*  
*Ephemerum*. 2. L. racemes simple terminal, petals obtuse, stamens shorter than the corol.  
*atropurpurea*. 3. L. spikes terminal, petals lanced, stamens longer than the corol. *black-purple*.  
*thyrsiflora*. 4. L. racemes lateral peduncled. *thyrsé-flower'd.*  
\* \* *With peduncles one-flower'd.*  
*quadrifolia*. 5. L. leaves four-fold fringed to the petiole, peduncles four-fold one-flower'd. *four-leaved*.  
*punctata*. 6. L. leaves mostly four-fold subseffile, peduncles verticil'd one-flower'd. *dotted*.  
*Linum stel-* 8. L. calyxes surpassing the corol, stem erect most bran-  
*latum*. chy. *star-flax*.  
*nemorum*. 9. L. leaves egg'd acute, flowers solitary, stem procumbent. *grove*.  
*nummularia*. 10. L. leaves nearly hearted flowers solitary, stem creeping. *money-wort*.

206. *ANAGALLIS*. *Cor.* wheel'd. *Caps.* circumcised

- arvensis*. 1. A. leaves undivided, stem procumbent. *field*.  
*monelli*. 2. A. leaves undivided stem erect.  
*latifolia*. 3. A. leaves hearted stem-claping, stem compress'd. *broad-leaved*.  
*linifolia*. 4. A. leaves linear, stem erected. *flax-leaved*.  
*tenella*. A. leaves egg'd acutish, stem creeping. *tender*.

207. *THEOPHRASTA*. *Cor.* bell'd, with the divisions and gashes obtuse. *Caps.* 1-cell'd, globular, largest, many-seeded.

*americana*. 1. *THEOPHRASTA*. *american*.

209. *SPI-*



209. SPIGELIA. *Cor.* funnel-form. *Capsf.* twin'd, 2-cell'd, many-seeded.

*Anthelmia.* 1. S. stem herbaceous, highest leaves fourfold. *Worm.*  
*marilandica.* S. stem four-corner'd, all the leaves opposite. *Maryland.*

210. OPHIORRHIZA. *Cor.* funnel-form. *Germ* 2-cleft. *Stigmas* 2, *Fruit* 2-lobed.

*Mungos.* 1. O. leaves lance-egg'd.  
*Mitreola.* 2. O. leaf egg'd.

1248. LISIANTHUS. *Cor.* tube bellied with divisions recurvate. *Cal.* keel'd. *Stigma* 2-lobed. *Capsf.* 2-cell'd, oblong.

*longifolius.* 1. L. leaves lanced. *long-leaved.*  
*cordifolius.* 2. L. leaves hearted. *heart-leaved*  
*chelonoides.* L. smooth, leaves opposite subconjoin'd oblong, panicle terminal two-fork'd racemed. *S. chelone-like.*  
*glaber.* L. smooth, leaves egg'd petioled, corymbes terminal. *S. smooth.*

211. RANDIA. *Cal.* 1-leaved. *Cor.* salver-form. *Berry* 1-cell'd with bark capsular.

*mitis.* 1. R. nearly unarm'd. *mild.*  
*aculeata.* 2. R. branches two-thorn'd. *prickly.*

212. AZALEA. *Cor.* bell'd. *Stamens* inserted on the receptacle. *Capsf.* 5-cell'd.

*pontica.* 3. A. leaves glossy lanced smooth on both sides, racemes terminal. *pontic.*  
*indica.* 1. A. flowers subsolitary, calyxes hairy. *indian.*  
*nudiflora.* 2. A. leaves egg'd, corols hairy, stamens longest. *naked-flower'd.*  
*viscosa.* 4. A. leaves rugged on the edge, corols hair-glutinous. *viscous.*  
*laponica.* 5. A. leaves besprinkled with hollow dots. *lapland.*  
*procumbens.* 6. A. branches diffuse-procumbent. *procumbent.*

162. FIVE MALES. ONE FEMALE. Plumbago.

213. PLUMBAGO. *Cor.* funnel-form. *Stamens* inserted in scales closing the base of the corol. *Stigma* 5-cleft. *Seed* 1, oblong, coated.

- europæa.* 1. P. leaves stem-clasping lanced rugged. *european.*  
*Zeylanica.* 2. P. leaves petioled egg'd smooth, stems thread-form. *Ceylon.*  
*rosea.* 3. P. leaves petioled egg'd smooth somewhat toothletted, knots on the stem gibbous. *rose.*  
*scandens.* 4. P. leaves petioled egg'd smooth, stem winding-climbing. *climbing.*

1246. NIGRINA. *Cor.* funnel-form. *Cal.* inflated. *Stigma* obtuse. *Capsf.* ? two-cell'd.

- viscosa.* 1. NIGRINA. *viscous.*

214. PHLOX. *Cor.* Salver-form. *Filaments* unequal. *Stigma* 3-cleft. *Cal.* prismatic. *Capsf.* 3-cell'd, 1-seeded.

- paniculata.* 1. P. leaves lanced rugged on the edge, corymbes panicled. *panicled.*  
*maculata.* 2. P. leaves lanced polish'd, raceme oppositely corymbed. *spotted.*  
*pilosa.* 3. P. leaves lanced villous, stem erect, corymbe terminal. *hairy.*  
*carolina.* 4. P. leaves lanced polish'd, stem rugged, corymbe nearly level-top'd. *carolina.*  
*glaberrima.* 5. P. leaves linear-lanced smooth, stem erect, corymbe terminal. *smootheft.*  
*divaricata.* 6. P. leaves broad-lanced: the superior ones alternate, stem two-cleft, peduncles double. *divaricated.*  
*ovata.* 7. P. leaves egg'd, flowers solitary. *egg'd.*  
*subulata.* 8. P. leaves awl'd shaggy, flowers opposite. *awl'd.*  
*sibirica.* 9. P. leaves linear villous, peduncles threefold. *siberian.*  
*setacea.* 10. P. leaves bristly smooth, flowers solitary. *bristly.*

1339. PORANA. *Cor.* bell'd. *Cal.* 5-cleft, greater in the Fruit. *Style* half-two-cleft, longer, permanent. *Stigmas* globular. *Per.* two-valved.

*volubilis.* PORANA.

*twining.*

215. CONVULVULUS. *Cor.* bell'd, plaited. *Stigmas* 2. *Capsf.* 2-cell'd: with cells two-seeded.

\* *With stem twining.*

- arvensis.* 1. C. leaves arrow'd acute at both ends, peduncles mostly one-flower'd. *field.*
- sepium.* 2. C. leaves arrow'd lop'd behind, peduncles four-corner'd one-flower'd. *hedge.*
- Scammonia.* 3. C. leaves arrow'd lop'd behind, peduncles columnar mostly three-flower'd. *Scammony.*
- fibiricus.* C. leaves hearted pointed polish'd, peduncles one-flower'd. *siberian.*
- farinosus.* C. leaves hearted pointed scollop'd, peduncles three-flower'd, stem mealy. *mealy.*
- Medium.* 4. C. leaves linear halbert-pointed: with ears tooth'd, peduncles one-flower'd, calyxes arrow'd, stem twining.
- panduratus.* 5. C. leaves hearted intire violin-form, calyxes polish'd. *violin'd.*
- carolinus.* 6. C. leaves hearted intire and three-lobed villous, calyxes polish'd, capsules shaggy, peduncles mostly two-flower'd. *carolina.*
- hederaceus.* 7. C. leaves hearted intire and three-lobed, corols undivided, fruit erect. *ivy.*
- Nil.* 8. C. leaves hearted three-lobed, corols half-five-cleft, peduncles shorter than the petiole.
- purpureus.* 9. C. leaves hearted undivided, fruit bowing, pedicels thicken'd. *purple.*
- angularis.* C. leaves hearted five-angled most intire, peduncles many-flower'd. *angular.*
- Batatas.* 10. C. leaves hearted halberted five-nerved, stem creeping tuberiferous hispid.
- biflorus.* 43. C. leaves hearted pubescent, peduncles double, corols with lobes three-cleft. *two-flower'd,*

164. FIVE MALES. ONE FEMALE. *Convolvulus*.

- verticillatus*. 12. C. leaves hearted oblong naked, peduncles umbel'd two-cleft many-flower'd. *verticil'd.*
- umbellatus*. 13. C. leaves hearted, stem twining, peduncles umbel'd. *umbel'd.*
- malabari-cus*. 14. C. leaves hearted smooth, stem perennial villous. *malabar.*
- canariensis*. 15. C. leaves hearted pubescent, stem perennial villous, peduncles many-flower'd. *canary.*
- muricatus*. 47. C. leaves hearted, peduncles thicken'd and the calyxes polish'd, stem murex'd. *murex'd.*
- anceps*. 44. C. leaves hearted, stem twining keel'd on both sides. *two-edged.*
- Turpethum*. 17. C. leaves hearted angled, stem membranous quadrangular, peduncles many-flower'd. *Turbeth.*
- grandiflorus*. C. leaves hearted egg'd obtusifish most intire, peduncles mostly two-flower'd, calyxes leathery, stem and petioles pubescent. *S. great-flower'd.*
- maximus*. C. leaves hearted egg'd pointed most intire smoothest. stem and petioles smoothest. *S. greatest.*
- speciosus*. C. leaves egg'd hearted acute shaggy above silver-silky beneath, petioles columnar. *S. specious.*
- peltatus*. 16. C. leaves targetted, peduncles many-flower'd. *targetted.*
- Jalapa*. 45. C. leaves different: hearted angled oblong and lanced, stem twining, peduncles one flower'd. *Jalap.*
- sericeus*. 46. leaves lance-elliptic, down-silky underneath, peduncles subumbel'd, calyxes hairy, stem twining. *silky.*
- tomentosus*. 18. C. leaves three-lobed downy, stem woolly. *downy.*
- altheoides*. 19. C. leaves hearted sinuous silky: lobes scollop'd, peduncles two flower'd. *althea-like.*
- cairicus*. 21. C. leaves feather-handed saw'd, peduncles thread-form paniced, calyxes polish'd. *cairo.*
- copticus*. C. leaves footed saw'd, peduncles sword-form two-flower'd, calyxes murex'd. *coptic.*
- vitifolius*. C. leaves handed five-lobed smooth-tooth'd, stem hairy, peduncles many-flower'd. *vine-leaved.*
- dissectus*. C. leaves handed seven-parted tooth-sinuous smooth, stem hairy, peduncles one-flower'd. *dissected.*
- macrocarpus*. 20. C. leaves hand-footed five-parted, peduncles one-flower'd. *long-fruit.*
- paniculatus*. 23. C. leaves handed, lobes seven egg'd acute most intire, peduncles paniced. *paniced.*

- macrorrhizos.* 22. C. leaves finger'd sevenfold most intire, stem smooth, peduncles three-flower'd. *long-root.*
- quinquefolius.* 23. C. leaves finger'd smooth tooth'd, peduncles polish'd. *five-leaved.*
- pentaphyllus.* 24. C. leaves finger'd fivefold hairy most intire, stem hairy. *five-leaved.*
- scoparicus.* C. shrubby erect smooth, branches twiggy, leaves sessile linear, raceme terminal, peduncles mostly three-flower'd. S. *scoparia.*
- spinosus.* C. shrubby erect, leaves lanced silky, branchlets flower-bearing thorny. S. *thorny.*
- Oenotheroides.* C. shrubby erect, leaves linear hoary, peduncles axillary solitary erect one-flower'd bracted, calyxes lanced smooth. S. *Oenothera-like.*
- \* \* *With stem prostrate, or not twining.*
- ficulus.* 26. C. leaves heart-egg'd, peduncles one-flower'd: bractes lanced, flowers sessile. *ficilian.*
- pentapetaloides.* C. leaves lanced obtuse naked lined, branches declined, flowers solitary half-five-cleft. *five-petal-like.*
- lineatus.* 29. C. leaves lanced silky lined petioled, peduncles two-flower'd, calyxes silky somewhat leafy. *lined.*
- Cneorum.* 30. C. leaves lanced downy, flowers umbel'd, calyxes shaggy, stem erect.
- Cantabrica.* 31. C. leaves linear-lanced acute, stem branchy erectish, calyxes hairy, peduncles mostly two-flower'd. *Cantabrian.*
- Dorycnium.* 28. C. leaves sublinear silky, stem shrubbyish panicled, calyxes nakedish obtuse.
- corymbosus.* 33. C. leaves hearted, peduncles umbel'd, stem creeping. *corymbed.*
- spithamæus.* 32. C. leaves hearted pubescent, stem straight, peduncles one-flower'd. *six-inch.*
- persicus.* 34. C. leaves oval downy, peduncles one flower'd. *persian.*
- tricolor.* 35. C. leaves lance-egg'd smooth, stem declined, flowers solitary. *three-colour'd.*
- repens.* 36. C. leaves arrow'd obtuse behind, stem creeping, peduncles one-flower'd. *creeping.*
- reptans.* 37. C. leaves halbert-lanced: the ears rounded, stem creeping, peduncles one-flower'd. *trailing.*
- hirtus.* 38. C. leaves hearted and almost halberted villous, stem and petioles hairy, peduncles many-flower'd. *shaggy.*
- Soldanella.* 39. C. leaves kidney-form, peduncles one-flower'd.

166. FIVE MALES. ONE FEMALES. *Convolvulus*.

- Pes capræ*. 40. C. leaves two-lobed, peduncles one-flower'd. *Goats-foot.*
- brasiliensis*. 41. C. leaves end-nick'd two-glanded at the base, peduncles three-flower'd. *brazil.*
- littoralis*. 42. C. leaves oblong lobè-handed, peduncles one-flower'd, stem creeping. *strand.*
- sublobatus*. C. procumbent, upper-leaves tooth-scollop'd at top, flowers headed. *S. sublobed.*
- floridus*. C. shrubby prostrate hoary, leaves linear-lanced smooth, thyrse terminal pyramidal compound. *S. florid.*

216. IPOMOEA. *Cor.* funnel-form. *Stigma* globe-headed. *Capsf.* 3-cell'd.

\* *With flowers distinct.*

- Quamoelit. rubra*. 1. I. leaves feather-cleft linear, flowers subsolitary. *I.* leaves feather-cleft linear, flowers racemed pendulous. *red.*
- umbellata*. 2. I. leaves finger'd sevenfold, peduncles umbel'd shortest. *umbel'd.*
- corolina*. 3. I. leaves finger'd: leaflets petioled, peduncles one-flower'd. *corolina.*
- coccinea*. 6. I. leaves hearted pointed angled at the base, peduncles many-flower'd. *scarlet.*
- lacunosa*. 7. I. leaves hearted pointed dimpled angled at the base, peduncles one-flower'd shorter than the flower. *pitted.*
- solanifolia*. 11. I. leaves hearted acute most intire flowers solitary. *solanum-leaved.*
- tuberosa*. 4. I. leaves handed: lobes sevenfold lanced acute, most intire, peduncles three-flower'd. *tuberos.*
- digitata*. 5. I. leaves handed: lobes sevenfold lanced obtuse, peduncles three-flower'd. *finger'd.*
- bona nox*. 9. I. leaves hearted acute most intire, stem prickly, flowers threefold, corols undivided. *good-night.*
- campanulata*. 8. I. leaves hearted, peduncles many-flower'd, the exterior perianth orbicular, corols bell'd lobed. *bell'd.*
- violacea*. 10. I. leaves hearted most intire, flowers crowded, corols undivided. *violet.*
- carnea*. 18. I. leaves hearted smooth, peduncles many-flower'd, corols edged. *fleshy.*

PENTANDRIA. MONOGYNIA. Ipomea. 167.

- repanda.* 19. I. leaves hearted oblong scollop'd, peduncles branchy  
 cymed. *scollop'd.*
- hastata.* I. leaves arrow-halberted, peduncles two-flower'd.  
*halberted.*
- glaucifolia.* 12. I. leaves arrow'd: lop'd behind, peduncles two-  
 flower'd. *sea-green-leaved.*
- triloba.* 13. I. leaves three-lobed hearted, peduncles three-  
 flower'd. *three-lobed.*
- hederifolia.* 14. I. leaves three-lobed hearted, peduncles many-  
 flower'd racemed. *ivy-leaved.*
- \* \* *With Flowers aggregate.*
- hepatici-  
 folia.* 15. I. leaves three-lobed, flowers aggregate. *hepatica-  
 leaved.*
- tamnifolia.* 16. I. leaves hearted pointed hairy; flowers aggregate.  
*tamnus-leaved.*
- Pes tigridis.* 17. I. leaves handed, flowers aggregate. *tiger-foot.*

217. POLEMONIUM. *Cor.* 5-parted, the bottom  
 closed with stamen-bearing valves.  
*Stigma* 3-cleft. *Capsf.* 3-cell'd, above.

- cæruleum.* 1. P. leaves feather'd, flowers erect, calyxes longer than  
 the tube of the corol. *blue.*
- reptans.* 2. P. leaves feather'd sevenfold, flowers terminal nod-  
 ding. *creeping.*
- dubium.* 4. P. inferior leaves halberted, superior ones lanced. *du-  
 bious.*
- Roelloides.* P. erect, stem thread-form, leaves lanced fringed,  
 panicle few-flower'd peduncled naked. *S. Roella-  
 like.*
- Campanulo-  
 ides* P. erect smooth, leaves linear-lanced intire erect,  
 flowers terminal solitary. *S. campanula-like.*

218. CAMPANULA. *Cor.* bell'd, the bottom  
 closed with stamen-bearing valves.  
*Stigma* 3-cleft. *Capsf.* beneath, gaping  
 with lateral pores. *Bell-flower.*

- \* *With Leaves more polish'd narrower.*
- cenifia.* 41. C. stem one-flower'd, leaves egg'd smooth most in-  
 tire somewhat fringed.
- uniflora.* 1. C. stem one-flower'd, calyx equalling the corol. *one-  
 flower'd.*  
 2. C.

168. FIVE MALES. ONE FEMALE. Campanula.

- pulla*. 2. C. stemlets one-flower'd, stem leaves egg'd notch'd, calyxes bowing. *dark.*
- rotundifolia*. 3. C. radical leaves kidney-form, stem-ones linear. *round-leaved.*
- patula*. 4. C. leaves upright: radical ones lance-oval panicle expanded. *expanded.*
- Rapunculus*. 5. C. leaves waved: radical ones lance-oval, panicle condensed.
- persicifolia*. 6. C. radical leaves inverse-egg'd, stem-leaves lance-linear somewhat saw'd sessile remote. *peach-leaved.*
- pyramidalis*. 7. C. leaves polish'd saw'd hearted: stem-leaves lanced, stems rushy simple, umbels sessile lateral. *pyramidal.*
- americana*. 8. C. leaves hearted and lanced, petioles fringed, flowers one-rank'd, corols five-parted flat. *american.*
- lilifolia*. 9. C. leaves lanced: stem-leaves acutely saw'd, flowers paniced nodding. *lily-leaved.*
- rhomboidea*. 10. C. leaves rhomb-like saw'd, spike one-rank'd, calyxes tooth'd. *rhomb-like.*
- unidentata*. C. erect smooth, leaves lanced acute one-tooth'd at both ends, panicle divaricated. *S. one-tooth'd.*
- cinerea*. C. erect downy, leaves awl'd intire erect approximated, flowers solitary terminal. *S. ash-colour'd.*
- sessiliflora*. C. prostrate, leaves linear-awl'd intire, flowers axillary solitary sessile. *S. sessile-flower'd.*
- paniculata*. C. herbaceous erect, stem paniced, branches divaricated, leaves lanced intire, flowers terminal. *S. paniced.*
- capillacea*. C. herbaceous erect, leaves thread-form smooth, panicle terminal, flowers alternate. *S. capillary,*
- linearis*. C. herbaceous erect, leaves linear intire smooth, flowers bowing, capsules hispid. *S. linear.*
- lobelioides*. C. smoothest most branchy, leaves lanced saw'd sessile, panicles terminal one-rank'd, corol funnel-form. *S. lobelia-like.*
- Carpatica*. C. leaves smooth hearted saw'd petioled, peduncles elongated, calyx reflected glutinous, corol expanded. *S.*
- porosa*. C. leaves lanced polish'd, stem erect dotted above with pores. *S. porous.*



\*\* *With Leaves rugged broader.*

- latifolia*, 11. C. leaves egg-lanced, stem simplest columnar, flowers solitary peduncled, fruit bowing. *broad-leaved.*
- rapunculo-* 12. C. leaves heart-lanced, stem branchy, flowers one-  
*ides.* rank'd scatter'd, calyxes reflected. *rapunculus-like.*
- bononiensis.* 13. C. leaves egg-lanced rugged underneath sessile, stem paniced. *bologna.*
- gramini-* 14. C. leaves linear-awl'd, head terminal. *grass-leaved.*  
*folia.*
- grandiflora.* C. leaves threefold oblong saw'd, stem one-flower'd, flower expanded. *S. great-flower'd.*
- verticillata.* C. leaves and flowers verticil'd. *S. verticil'd.*
- undulata,* C. leaves lanced tooth'd waved, flowers subsolitary peduncled. *S. waved.*
- Trachelium.* 16. C. stem angled, leaves petioled, calyxes fringed, peduncles three-cleft.
- glomerata.* 17. C. stem angled simple, flowers sessile, head terminal. *glomerated.*
- Cervicaria.* 18. C. hispid, flowers sessile, head terminal, leaves lance-linear waved.
- thyrsoides.* 19. C. hispid, raceme egg'd oblong terminal, stem simplest, leaves lance-linear. *thyrselike.*
- hispidula.* C. hispid, flowers erect, calyxes the length of the corol. *S. hispidish.*
- petræa.* 20. C. stem angled simple, flowers sessile glomerate-headed, leaves downy underneath. *rock.*
- fasciculata.* C. shrubby erect, leaves egg'd mostly one-tooth'd recurved, flowers glomerate terminal. *S. fascicled.*
- adpressa.* C. herbaceous erect, leaves lanced tooth'd recurved fringed at the base appress'd, panicle decom-pounded. *S. appress'd.*
- tenella.* C. stems diffuse thread-form, leaves egg'd mostly one-tooth'd reflected, flowers solitary terminal. *S. tender.*
- procumbens.* C. stem two-fork'd diffuse, leaves inverse-egg'd notch'd obtuse, flowers solitary erect. *S. procumbent.*
- \*\*\* *Capsules cover'd with the sinuses of the Calyx reflected.*
- dichotoma.* 24. C. capsules five-cell'd cover'd, stem two-fork'd, flowers bowing. *two-fork'd.*
- Medium.* 21. C. capsules five-cell'd cover'd, stem undivided erect leafy, flowers erect.

170. FIVE MALES. ONE FEMALE. Campanula.

- barbata.* 22. C. capsules five-cell'd cover'd, stem simplest mostly one-leaved, leaves lanced, corols bearded. *bearded.*
- aurca.* C. capsules five-cell'd stigmas five-cleft, stem panicled, leaves double-saw'd. *S. golden.*
- spicata.* 15. C. hispid, spike loose, flowers alternate, leaves linear most intire. *spiked.*
- alpina.* 41. C. stem simple, peduncles one-flower'd axillary two-leaved. *alpine.*
- mollis.* 25. C. capsules five-cell'd cover'd peduncled, stem prostrate, leaves suborbicular. *soft.*
- saxatillis.* 26. C. capsules five-keel'd cover'd, flowers alternate nodding, leaves inverse-egg'd notch'd. *rock.*
- sibirica.* 23. C. capsules three-cell'd cover'd, stem panicled. *siberian.*
- tridentata.* 42. C. capsules five-cell'd cover'd, stem one-flower'd, radical leaves three-tooth'd. *three-tooth'd.*
- laciniata.* 27. C. capsules cover'd peduncled, leaves saw'd : radical leaves lyred : stem leaves lanced. *jagg'd.*
- stricta.* 28. C. capsules cover'd, leaves shaggy; stem-leaves lanced saw'd, stem simplest, flowers sessile. *upright.*
- canariensis.* 29. C. capsules five-cell'd, leaves opposite halberted tooth'd petioled. *canary.*
- fruticosa.* 30. C. capsules columnar five-cell'd : stem shrubby, leaves linear-awl'd, peduncles longest. *shrubby.*
- Speculum.* 31. C. stem most branchy diffuse, leaves oblong somewhat notch'd, flowers solitary, capsules prismatic. *Looking-glass.*
- hybrida.* 32. C. stem branchyish at the base upright, leaves oblong notch'd, calyxes aggregate longer than the corol, capsules prismatic. *mule.*
- limonia.* 33. C. branches expanding undivided, radical leaves elliptic polish'd most intire, flowers sessile threefold.
- Pentagonia.* 34. C. stem subdivided most branchy, leaves linear pointed.
- perfoliata.* 35. C. stem simple, leaves hearted tooth'd stem-clasping, flowers sessile aggregate. *leaf-pierced.*
- capensis.* 36. C. leaves lanced tooth'd hispid, peduncles longest, capsule lance-bristled. *cape.*
- Elatines.* 37. C. leaves hearted tooth'd pubescent petioled, stem prostrate, peduncles cappillary many-flower'd.
- bederacea.* 38. C. leaves hearted five-lobed petioled smooth, stem flexible. *ivy.*

- erinoides*. 42. C. stem diffuse, leaves lanced somewhat saw'd decurrent with a rugged line, flowers peduncled solitary. *erinus-like*.
- heterophylla*. 39. C. leaves somewhat egg'd smooth most intire, stems diffuse. *different-leaved*.
- Erinus*. 40. C. stem two-fork'd, leaves sessile: the superior ones opposite three-tooth'd.

219. ROELLA. *Cor.* funnel-form with the bottom closed by stamen-bearing valves. *Stigma* 2-cleft. *Capsf.* 2-cell'd, cylindric, beneath.

- ciliata*. 1. R. leaves fringed: dagger straight. *fringed*.
- reticulata*. 2. R. leaves fringed: dagger reflected. *netted*.
- squarrosa*. R. herbaceous diffuse, leaves egg'd recurvate tooth'd, flowers terminal aggregate. S. *ragged*.
- spicata*. R. shrubby erect, leaves lanced intire fringed, flowers terminal subspiked. S. *spiked*.
- muscosa*. R. herbaceous diffuse, leaves egg'd tooth'd reflected, flowers terminal solitary. S. *mossy*.

220. PHYTEUMA. *Cor.* wheel'd with linear divisions, 5-parted. *Stigma* 2 or 3-cleft. *Capsf.* 2 or 3-cell'd, beneath.

- pauciflora*.. 1. P. head somewhat leafy, leaves all lanced. *few-flower'd*.
- hæmispherica*. 2. P. head roundish, leaves linear very intire. *hemispherical*.
- comosa*. 5. P. fascicle terminal sessile, leaves tooth'd: radical leaves hearted. *tufted*.
- orbicularis*. 3. P. head roundish, leaves saw'd: radical ones hearted. *orbicular*.
- spicata*. 4. P. spike oblong, capsules two-cell'd, radical leaves hearted. *spiked*.
- pinnata*. 6. P. flowers scatter'd, leaves feather'd. *feather'd*.

221. TRACHELIUM. *Cor.* funnel-form. *Stigma* globular. *Capsf.* three-cell'd, beneath. *Throatwort*.

- diffusum*. T. most branchy diffuse, branches divaricated recurved, leaves awl'd. S. *diffuse*.
- Y 2 T

172. FIVE MALES. ONE FEMALE. *Trachelium*.

*tenuifolium*. T. erectish, leaves linear fringed hispid. S. *slender-leaved.*

*cæruleum*. T. branchy erect, leaves egg'd saw'd flat. *blus.*

222. SAMOLUS. *Cor.* falver-form. *Stamens* fortified with the scalelets of the corol. *Capsf.* 1-cell'd, beneath.

*Valerandi*. I. SAMOLUS.

223. NAUCLEA. *Cor.* funnel-form. *Seed* 1, beneath, two-cell'd. *Common Receptacle* globular.

*orientalis*, I. NAUCLEA. *oriental.*

224. RONDELETIA. *Cor.* funnel-form. *Capsf.* 2-cell'd, beneath, many-seeded, roundish, crown'd.

*americana*. 1. R. leaves sessile, panicle two-fork'd. *american.*

*asiatica*. 2. R. leaves petioled oblong acute. *asiatic.*

*odorata*. 4. R. leaves petioled somewhat egg'd obtuse. *odorous.*

*trifoliata*. 3. R. leaves threefold. *three-leaved.*

225. MACROCNEUM. *Cor.* bell'd. *Capsf.* beneath, 2-cell'd. *Seeds* imbricated.

*jamaicense*. I. MACROCNEUM. *jamaica.*

226. BELLONIA. *Cor.* wheel'd. *Capsf.* 1-cell'd, beneath, many-seeded, calyx beak'd.

*aspera*. I. BELLONIA. *rough.*

227. PORTLANDIA. *Cor.* club-funnel-form. *Anthers* longitudinal. *Capsf.* five-corner'd, retuse, two-cell'd, many-seeded, crown'd with a 5-leaved calyx.

*grandiflora*. I. P. flowers five-male. *great-flower'd.*

*hexandra*. 2. P. flowers six-male. *six-male.*

P.

*tetrandra.* P. flowers four-male, leaves oblong obtuse stipules broad. S. *four-male.*

1294. SCÆVOLA. *Cor.* one-petal'd : tube slit longitudinally. *Border* 5-cleft, lateral. *Drupe* beneath, one-seeded. *Nucleus* two-cell'd.

*Lobelia.* SCÆVOLA.

228. CINCHONA. *Cor.* funnel-form woolly at top. *Capsf.* beneath, 2-cell'd, with the partition parallel.

*corymbifera.* C. leaves oblong lanced, corymbes axillary. S. *corymbe-bearing.*

*officinalis.* C. leaves elliptic pubescent underneath, border of the corol woolly. S. *officinal.*

229. PSYCHOTRIA. *Cal.* 5-tooth'd, crowning. *Cor.* tubular. *Berry* globular. *Seeds* two hemispherical, furrow'd.

*asiatica.* 1. P. stipules end-nick'd, leaves lance-egg'd. *asiatic.*

*serpens.* P. stem subherbaceous creeping, leaves egg'd acute at both ends. *creeping.*

*herbacea.* 2. P. stem herbaceous creeping, leaves hearted petioled. *herbaceous.*

*emetic.* P. herbaceous procumbent, leaves lanced smooth, stipules behind the leaf awl'd, heads axillary peduncled few-flower'd. S. *emetic.*

230. COFFEA. Salver-form. *Stamens* above the Tube. *Berry* beneath, two-seeded. *Seeds* aril'd. *Coffee.*

*arabica.* 1. C. flowers five-cleft two-seeded. *arabian.*

*occidentalis.* 2. C. flowers four-cleft, berries many-seeded. *occidental.*

231. CHIOCOCCA.

174. FIVE MALES. ONE FEMALE. *Chiococca*.

231. *CHIOCOCCA*. *Cor.* funnel-form, equal.  
*Berry* 1-cell'd, two-seeded, beneath.

*paniculata*. C. erect, with leaves egg'd, flowers terminal paniced,  
with two stipule-teeth. S. *panicled.*

*racemosa*. C. climbing, with leaves broad-lanced, flowers lateral  
panicle-racemed, with one stipule-tooth. *racemed.*

232. *HAMELLIA*. *Cor.* 5-cleft. *Berry* 5-cell'd,  
beneath, many-seeded.

*patens*. I. H. racemes expanding. *expanding.*

233. *LONICERA*. *Cor.* one-petal'd, irregular.  
*Berry* many-seeded, two-cell'd, be-  
neath. *Honey-suckle.*

\* *Periclymena* with a twining stem.

*Caprifolium*. 1. L. flowers verticil'd, terminal sessile, the highest leaves  
conjoin-leaf-pierced.

*sempervirens*. 2. L. verticils leafless terminal, the highest leaves con-  
join-leaf-pierced. *evergreen.*

*dioica*. 14. L. verticils leafless terminal, leaves all conjoin-leaf-  
pierced. *two-house.*

*Periclymen-* 3. L. heads egg'd imbricated terminal, leaves all dis-  
*um.* tinct.

\*\* *Chamæcerafa* with peduncles two-flower'd.

*nigra*. 4. L. peduncles two-flower'd, berries distinct, leaves  
elliptic most intire. *black.*

*tartarica*. 5. L. peduncles two-flower'd, berries distinct, leaves  
hearted obtuse. *tartarian.*

*Xylosteum*. 6. L. peduncles two-flower'd, berries distinct, leaves  
most intire pubescent.

*pyrenaica*. 7. L. peduncles two-flower'd berries distinct, leaves ob-  
long smooth. *pyrenean.*

*alpigena*. 8. L. peduncles two-flower'd, berries coadjoin'd twin'd,  
leaves oval-lanced. *alpine.*

*cærulea*. 9. L. peduncles two-flower'd, berries coadjoin'd globu-  
lar, styles undivided. *blue.*

\*\*\* *Stem erect, peduncles many-flower'd*

*Symphori-* 11. L. heads lateral peduncled, leaves petioled.  
*carpus*

- Diervilla.* 12. L. racemes terminal, leaves saw'd.  
*corymbosa.* 13. L. corymbes terminal, leaves egg'd acute. *corymb'd.*  
*bubalina.* L. heads terminal peduncled, leaves oblong most in-  
 tire smooth. S. ex.

234. TRIOSTEUM. *Cor.* one-petal'd, subequal.  
*Cal.* the length of the corol. *Berry*  
 3-cell'd, one-seeded, beneath.

- perfoliatum.* 1. T. flowers verticil'd sessile. *leaf-pierced.*  
*angustifol.* 2. T. flowers opposite peduncled. *narrow-leaved.*

235. MORINDA. *Flowers* aggregate, one-petal'd.  
*Stigma* 2-cleft. *Drupes* aggregate.

- umbellata.* 1. M. erect, leaves lance-egg'd, peduncles crowded.  
*umbel'd.*  
*citrifolia.* 2. M. arborefcnt, peduncles solitary. *citron-leaved.*  
*Royoc.* 3. M. procumbent *procumbent.*

336. CONOCARPUS. *Cor.* 5-petal'd or none.  
*Seeds* naked, solitary, beneath. *Flowers*  
 aggregate.

- erecta.* 1. C. erect, leaves lanced. *erect.*  
*procumbens.* 3. C. procumbent, leaves inverfe-egg'd. *procumbent.*  
*racemosa.* 2. C. leaves lance-egg'd obtusifh, fruits separate. *ra-*  
*cemed.*

237. KUHNIA. *Flower* compound, flosculous. *Seeds*  
 solitary: with a feathery pappus. *Re-*  
*ceptacle* naked.

- eupatorioides.* 1. KUHNIA. *eupatorium-like.*

238. ERITHALIS. *Cor.* 5-parted: with divisions  
 recurved. *Cal.* pitcher'd. *Berry* 10-  
 cell'd, beneath.

- fruticosa.* 1. ERITHALIS. *shrubby.*

239. MENAIS.

176. FIVE MALES. ONE FEMALE. Menais.

239. MENAIS. *Cor.* salver-fom. *Cal.* 3-leaved.  
*Berry* 4-cell'd. *Seeds* solitary.

*topiaria.* I. MENAIS. *garden.*

241. MUSSÆNDA. *Cor.* funnel-form. *Stigmas* 2,  
thickish. *Berry* oblong, beneath. *Seeds*  
dispos'd 4-facewise

*frondosa.* I. M. panicle with colour'd leaves. *leafy.*  
*formosa.* 2. M. unarm'd' flowers sessile solitary. *beautiful.*  
*spinosa.* 3. M. thorny, flowers sessile aggregate. *thorny.*

1231. MATTHIOLA. *Cor.* tubular, above, undi-  
vided. *Calyx* intire. *Drupe* with a  
globular nucleus,

*scabra.* I. MATTHIOLA. *rugged.*

242. MIRABILIS. *Cor.* funnel-form, above. *Cal.*  
beneath. *Nectary* globular, including  
the germ. *Marvel.*

*dichotoma.* 2. M. flowers solitary axillary erect sessile. *two-fork'd.*  
*falapa.* I. M. flowers collected terminal erect. *falap.*  
*longiflora.* 3. M. flowers collected longest somewhat nodding ter-  
minal, leaves subvillous. *long-flower'd.*

243. CORIS. *Cor.* one-petal'd, irregular. *Cal.*  
thorny. *Caps.* 5-valv'd, above.

*Monspeliensis.* I. CORIS. *Montpelier.*

1229. BROSSÆA. *Cor.* lop'd. *Cal.* fleshy. *Caps.*  
5-cell'd, many-seeded.

*coccinea.* I. BROSSÆA. *scarlet.*

245. VERBASCUM.



245. VERBASCUM. *Cor.* wheel'd, subequal.  
*Capsf.* 2-cell'd, 2-valved. *Mullen.*

- Thapsus.* 1. V. leaves decurrent downy on both sides, stem simple.
- Thapsoides.* 12. V. leaves decurrent, stem branchy. *Thapsus-like.*
- Boerhaavii.* 12. V. leaves sublyred, flowers sessile. *of Boerhaave.*
- phlomoïdes.* 3. V. leaves egg'd downy on both sides; the inferior ones petioled. *phlomis-like.*
- Lychnitis.* 2. V. leaves wedge-form-oblong. *Lychnis.*
- nigrum.* 4. V. leaves heart-oblong petioled. *black.*
- phæniceum.* 5. V. radical leaves egg'd naked notch'd, stem nakedish racemed. *purple.*
- Blattaria.* 6. V. leaves stem-clasping oblong smooth, peduncles solitary.
- sinuatum.* 9. V. radical leaves feathercleft-scollop'd downy; stem-leaves stem-clasping nakedish; first branches opposite. *sinuous.*
- Osbeckii.* 10. V. leaves gash'd naked, stem leafy, calyxes woolley, peduncles two-flower'd. *of Osbeck.*
- spinosum.* 8. V. stem leafy thorny shrub-growing. *thorny.*
- Myconi.* 11. V. radical leaves woolly, scape naked. *cyclades.*

246. DATURA. *Cor.* funnel-form plaited. *Cal.* tubular, angled, deciduous. *Capsf.* 4-valved.

- ferox.* 1. D. pericarps thorny erect egg'd: the highest thorns largest converging. *ferocious.*
- Stramonium.* 2. D. pericarps thorny erect egg'd, leaves egg'd smooth. *thorn-apple.*
- Tatula.* 3. D. pericarps thorny erect egg'd: leaves hearted smooth tooth'd.
- fastuosa.* 5. D. pericarps tubercled nodding globular, leaves egg'd angled. *fastuous.*
- Metel.* 4. D. pericarps thorny nodding globular, leaves hearted almost intire pubescent.
- arborea.* 6. D. pericarps smooth unarm'd nodding: stem arborescent. *arborescent.*
- lævis.* D. pericarps egg'd smooth unarmed erect, stem herbaceous. *S. polish'd.*

247. HYOSCYAMUS. *Cor.* funnel-form, obtuse.  
*Stamens* inclined. *Caps.* lidded, 2-cell'd. *Henbane.*

- niger.* 1. H. leaves stem-clasping sinuous, flowers sessile. *black*  
*albus.* 2. H. leaves petioled sinuous, obtuse, flowers sessile. *white.*
- aureus.* 3. H. leaves petioled toothed acute, flowers peduncled, fruit pendulous. *golden.*
- muticus.* 6. H. leaves petioled egg'd acute-angled, calyxes awnless, bractes undivided. *awnless.*
- puffillus.* 4. H. leaves lanced toothed: the inferior floral leaves two-fold, calyxes thorny. *feeble.*
- physaloides.* 5. H. leaves egg'd most intire, calyxes inflated subglobular. *physalis-like.*
- Scopolia.* 7. H. leaves egg'd intire, calyxes inflated bell'd polished.

248. NICOTIANA. *Cor.* funnel-form with border plaited. *Stamens* inclined. *Caps.* 2-valved, 2-cell'd. *Tobacco.*

- Tabacum.* 3. N. leaves lance-egg'd sessile decurrent, flowers acute.  
*fruticosa.* 2. N. leaves lanced subpetioled stem-clasping, flowers acute, stem shrub-growing. *shrubby.*
- rustica.* 4. N. leaves petioled egg'd most intire, flowers obtuse. *rustic.*
- paniculata.* 3. N. leaves petioled hearted most intire, flowers panicled obtuse club'd. *panicled.*
- urens.* 5. N. leaves hearted notched, racemes recurvate, stem hispid itchy. *stinging.*
- glutinosa.* 6. N. leaves petioled hearted most intire, flowers racemed one-rank'd somewhat grinning. *glutinous.*
- puffilla.* 1. N. radical leaves oblong-oval, flowers racemed acute. *feeble.*

249. ATROPA. *Cor.* bell'd. *Stamens* distant.  
*Berry* globular, 2-cell'd.

- Mandragora.* 1. A. stemless, scapes one-flower'd.  
*Belladonna.* 2. A. stem herbaceous, leaves egg'd intire. *deadly-nightshade.*
- physaloides.* 3. A. stem herbaceous, leaves sinuous-angled, calyxes closed acute-angled. *physalis-like.*
- A.

- Solanacea.* A. stem shrubby, peduncles solitary, corols bell'd,  
leaves somewhat edg'd. *solanum.*
- arborescens.* 5. A. stem shrub-growing, peduncles crowded, corols  
revolute, leaves oblong. *arborescens.*
- frutescens.* 4. A. stem shrubby, peduncles crowded, leaves heart-  
egg'd obtuse. *shrub-growing.*

250. *PHYSALIS.* *Cor.* wheel'd. *Stamens* con-  
verging. *Berry* within the inflated  
calyx, 2-cell'd.

\* *Perennial.*

- somnifera.* 1. P. stem shrubby, branches straight, flowers crowded. *somniferous.*
- flexuosa.* 2. P. stem shrubby, branches winding, flowers crowded. *winding.*
- arborescens.* 3. P. stem shrubby, leaves egg'd hairy, flowers solitary,  
corols revolute. *arborescens.*
- curassavica.* 4. P. stem shrubby, leaves egg'd downy. *Curassoa.*
- viscosa.* 5. P. leaves double scolloped obtuse somewhat downy,  
stem herbaceous paniced above. *viscous.*
- pensylva-  
nica.* 11. F. leaves egg'd somewhat scollop'd obtuse nakedish,  
flowers double, stem herbaceous. *pensylvanian.*
- Alkekengi.* 6. P. leaves double intire acute, stem herbaceous some-  
what branchy below.
- peruviana.* 12. P. pubescent, leaves hearted most intire. *peruvian.*

\* \* *Annual.*

- angulata.* 7. P. most branchy, branches angled smooth, leaves  
egg'd tooth'd. *angled.*
- pubescens.* 8. P. most branchy, leaves villous-viscous, flowers pen-  
dulous. *pubescent.*
- minima.* 9. P. most branchy, peduncles fruit-bearing longer than  
the villous leaf. *leaf.*
- pruinosa.* 10. P. most branchy, leaves subvillous, peduncles up-  
right. *frosted.*

251. *SOLANUM.* *Cor.* wheel'd. *Anthers* sub-  
coalescent, gaping at top with a double  
pore. *Berry* 2-cell'd.

\* *Unarmed.*

- Verbascifo-  
lium.* 1. S. stem unarm'd shrubby, leaves egg'd downy most  
intire, umbels compound. *Verbascum-leaved.*

- Pseudo-Capsicum*. 3. S. stem unarm'd shrubby, leaves lanced scollop'd. umbels sessile. *False-capsicum*,  
*diphyllum*. 4. S. stem unarm'd shrubby, leaves double: one leaf, flowers cymed. *two-leaved*.
- Dulcamara*. 5. S. stem unarm'd shrub-growing winding; superior leaves halberted, racemes cymed. *bitter-sweet*.
- quercifolium*. 6. S. stem unarm'd subherbaceous angled winding rugged, leaves feather-cleft, racemes cymed. *Oak-leaved*.
- radicans*. 7. S. stem unarm'd herbaceous polish'd roundish prostrate rooting, leaves feather-cleft, racemes cymed. *rooting*.
- bavanense*. 32. S. stem unarm'd shrub-growing, leaves lanced glossy most intire, peduncles mostly two flower'd. *bavannah*.
- racemosum*. 33. S. stem unarm'd shrub-growing, leaves lanced scollop'd waved, racemes long straight. *racemed*.
- bonariense*. S. stem nearly unarm'd shrubby, leaves egg-oblong sinuous-scollop'd rugged. *Bologna*.
- macrocarpon*. 8. S. stem unarm'd shrubbyish, leaves wedged scollop'd smooth. *long-fruited*.
- tuberosum*. 10. S. stem unarm'd herbaceous, leaves feather'd most intire, peduncles subdivided. *tuberous*.
- pimpinellifolium*. 12. S. stem unarm'd herbaceous, leaves feather'd most intire, racemes simple. *pimpinella-leaved*.
- Lycopersicum*. 11. S. stem unarm'd herbaceous, leaves feather'd gash'd, racemes simple.
- peruvianum*. 13. S. stem unarm'd herbaceous, leaves feather'd gash'd, downy, racemes two-parted leafy, berries hairy. *peruvian*.
- montanum*. 14. S. stem unarm'd herbaceous, somewhat hearted scollop'd. *mountain*.
- rubrum*. 31. S. stem unarm'd subperennial, leaves double egg'd most intire, peduncles subumbel'd. *red*.
- nigrum*. 15. S. stem unarm'd herbaceous, leaves egg'd tooth-angled, racemes two-rank'd nodding. *black*.
- æthiopicum*. 9. S. stem unarm'd herbaceous, leaves egg'd scollop-angled, peduncles fertile one-flowered bowing. *ethiopian*.
- Melongena*. 13. S. stem unarm'd herbaceous, leaves egg'd downy, peduncles pendulous thicken'd, calyxes unarmed.
- scandens*. S. unarm'd, stalk twining, leaves hearted egg'd depending softest underneath, panicles terminal. *climbing*.  
S.

- quadrangulare.* S. stem unarm'd herbaceous four-corner'd rugged, leaves rhombic tooth'd and intire. *S. quadrangular.*
- laurifolium.* S. stem unarm'd arborescent, leaves petioled egg-oblong downy underneath, panicle terminal two-fork'd divaricated. S. *laurel-leaves.*
- \* \* Prickly.
- insanum.* 30. S. stem prickly herbaceous, leaves egg'd downy, peduncles pendulous thicken'd, calyxes prickly. *insane.*
- ferox.* 17. S. stem prickly herbaceous, leaves hearted angled downy prickly, berries shaggy covered by the calyx. *ferocious.*
- campechense.* 13. S. stem prickly shaggy, leaves heart-oblong five-lobed: sinuses obtuse elevated. *campechy.*
- mammosum.* 19. S. stem prickly herbaceous, leaves hearted angle-lobed: on both sides villous prickly. *pap'd.*
- paniculatum.* 10. S. stem and petioles prickly, leaves sinuous-angled smooth above, flowers panicked. *panicked.*
- virginianum.* 21. S. stem prickly angled, leaves feather-cleft every way prickly: the divisions sinuous obtuse, calyxes prickly. *virginian.*
- indicum.* 22. S. stem prickly shrubby, leaves wedge-form angled subvillous most intire: with prickles straight on both sides. *indian.*
- fuscatum.* 23. S. stem prickly shrubby, leaves egg'd obtusely lobed: with prickles straight on both sides: the superior ones coloured. *tawny.*
- carolinense.* 24. S. stem prickly annual, leaves halbert-angled: with prickles on both sides straight, racemes loose. *carolinian.*
- sodomium.* 25. S. stem prickly shrubby columnar, leaves feather-cleft-sinuous scatteredly prickled naked, calyxes prickly. *sodom.*
- sanctum.* 26. S. stem prickly shrubby, prickles downy and the leaves obliquely egg'd scollop'd. *holy.*
- tomentosum.* 27. S. stem prickly shrubby: prickles awny, leaves hearted unarm'd somewhat scollop'd, tender purple-dusted. *downy.*
- bahamense.* 28. S. stem prickly shrubby, leaves lanced scollop'd obtuse reflected at the margin, racemes simple. *bahama.*
- igneum.* 29. S. stem prickly shrubby, leaves lanced pointed revolute on both sides at the base, racemes simple. *igneous.*
23. S.

182. FIVE MALES. ONE FEMALE. Solanum.

- trilobatum.* 23. S. stem prickly shrubby, leaves wedge-form mostly three-lobed smooth obtuse unarm'd. *three-lobed.*  
*marginatum.* S. prickly, leaves hearted scollop'd white at the margin. S. *margin'd.*  
*capense.* S. stem prickly shrubby columnar, leaves sinuous-feathercleft prickly naked: alternate divisions intire obtuse. S. *Cape.*

\* \* \* *Thorny.*

- lycioides.* 34. S. stem thorny shrubby, leaves elliptic. *licyum-like.*

252. CAPSICUM. *Cor.* wheel'd. *Berry* juiceless.

- annuum.* 1. C. stem herbaceous, peduncles solitary. *annual.*  
*baccatum.* 3. C. stem shrubby polish'd, peduncles double. *berried.*  
*grossum.* 4. C. stem shrubbyish, fruit thicken'd various. *gross.*  
*frutescens.* 2. C. stem shrubby ruggedish, peduncles solitary. *shrub.*  
*growing-*

253. STRYCHNOS. *Cor.* 5-cleft. *Berry* 1-cell'd with a woody bark.

- Nuxvomica.* 1. S. leaves egg'd, stem unarm'd. *vomiting nut.*  
*colubrina.* 2. S. leaves egg'd acute, tendrils simple. *snake.*  
*potatorum.* S. unarm'd, leaves opposite egg'd petioled acute, panicles verticil'd. S. *drunkards.*

1370. IGNATIA. *Calyx* five-tooth'd. *Corol* longest. *Drupe* one-cell'd, many seeded. S.

- amara.* S. IGNATIA. S. *bitter.*

240. GENIPA. *Cor.* wheel'd. *Stigma* club'd. *Berry* 2-cell'd. *Seeds* nidulant, hearted.

- Americana.* GENIPA. *American.*

261. CESTRUM. *Cor.* funnel-form. *Stamens* with toothlet in the middle. *Berry* 1-cell'd, many-seeded.

- nocturnum.* 1. C. flowers peduncled, leaves somewhat heart-egg'd. *night.*  
 C.

- vespertinum*. C. flowers subspiked lateral, leaves elliptic. evening.  
*diurnum* 2. C. flowers sessile. day.  
*tomentosum*. C. flowers crowded sessile terminal, branches leaves  
 and calyxes downy. S. downy.

262. LYCIUM. *Cor.* tubular, the throat closed with the beard of the filaments. *Berry* 2-cell'd, many-seeded.

- afrum*. 1. L. leaves linear. african.  
*barbarum*. 2. L. leaves lanced, calyxes nearly two-cleft. barbarous.  
*europæum*. 3. L. leaves oblique, branches winding columnar. eu-  
 ropean.  
*capsulare*. L. leaves lanced slender smooth, peduncles and ca-  
 lyxes pubescent, pericarps capsular. capsular.  
*inermis*. L. unarm'd, smooth, leaves oblong smooth, flowers  
 aggregate peduncled, stipules bearded. S. un-  
 armed.  
*foetidum*. L. leaves opposite egg-lanced, stipules within the  
 leaves bristle-thorny, flowers axillary sessile. S.  
 fetid.  
*tetrandrum*. L. thorny, leaves egg'd obtuse fleshy, branches angled  
 smooth, corols four-cleft four-male. S. four-  
 male.  
*Boerhaviae-* L. thorny, leaves egg'd most intire acute sea-green,  
*folium*. flowers paniced. S. *Boerhavia-leaved*.

254. JACQUINIA. *Cor.* 10-cleft. *Stamens* in-  
 ferted in the receptacle. *Berry* 1-seeded.

- armillaris*. 2. I. leaves obtuse with a point. bracelet.  
*ruscifolia*. 1. I. leaves lanced pointed. *Ruscus-leaved*.  
*linearis*. 3. I. leaves linear pointed. linear.

255. CHIRONIA. *Cor.* wheel'd. *Pistil* declin-  
 ed. *Stamens* fitting on the tube of the  
 corol. *Anthers* at last spiral. *Peri-*  
*carp* 2-cell'd.

- trinervia*. 1. C. herbaceous, calyx-leaflets membrane-keel'd. three-  
 nerved.  
*jasminoides*. 3. C. herbaceous, leaves lanced, stem four -  
 cornered. *Jasmine-like*.  
*lychnoides*. C. stem simple. leaves linear-lanced. *Lychnis-like*.  
 C.

184. FIVE MALES. ONE FEMALE. Chironia.

- campanulata*. 4. C. herbaceous, leaves sublinear, calyxes the length of the corol. *bell'd.*
- angularis*. 5. C. herbaceous, stem acute-angled, leaves egg'd stem-clasping. *angular.*
- linoides*. 2. C. herbaceous, leaves linear. *Flax-like.*
- baccifera*. 7. C. shrub-growing, berry-bearing. *berry-bearing.*
- frutescens*. 8. C. shrub-growing, leaves lanced somewhat downy, calyxes bell'd. *shrub-growing.*
- tetragona*. C. shrubby, leaves egg'd three-nerved obtusifish leaflets obtusifish keel'd. S. *four-corner'd.*
- nudicaulis*. C. herbaceous, leaves oblong obtusifish, stems mostly two-leaved simplest one-flower'd calyx-teeth bristly. S. *naked-stem.*

1371. TEKTONA. *Stigma* toothed. *Drupe* dry, spungy, within the inflated calyx. *Nucleus* three-cell'd. S.

*grandis*. TECTONA. S. *grand.*

256. CORDIA. *Cor.* funnel-form. *Style* two-fork'd. *Drupe* with nucleuses two-cell'd.

- Myxa*. 1. C. leaves egg'd smooth above, corymbes lateral, calyxes ten-friated.
- spinescens*. C. leaves egg'd acute saw'd rugged, petioles somewhat thorn-growing. *thorn-growing.*
- Sebestena*. 3. C. leaves oblong-egg'd scollop'd rugged.
- Gerascanthus*. 4. C. leaves lance-egg'd rugged, panicle terminal, calyxes ten-friated.
- macrophylla*. 4. C. leaves egg'd villous foot-and-half. *long-leaved.*
- Calloccoca*. 5. C. leaves heart-egg'd most intire, flowers corymbes, calyxes internally downy.

208. PATAGONULA. *Cor.* wheel'd. *Style* two-fork'd. *Cal.* fruit-bearing largest.

*Americana*. 1. PATAGONULA. *American.*

257. EHRETIA.



257. EHRETIA. *Berry* 2-cell'd. *Seeds* solitary, two-cell'd. *Stigmas* end-nick'd.

- tinifolia.* 1. E. leaves oblong-egg'd most intire smooth, flowers paniced. *tinus-leaved.*  
*spinosa.* 2. E. thorny. *thorny.*  
*Bourreria.* 3. E. leaves egg'd mostly intire polish'd, flowers subcorymbed, calyxes smooth.  
*exsucca.* 4. E. leaves wedge-form-lanced reflected at the margin. *juiceless.*

258. VARRONIA. *Cor.* 5-cleft. *Drupe* with nucleus 4-cell'd.

- lineata.* 1. V. leaves lanced lined, lateral peduncles growing to the petiole, spikes globular. *lined.*  
*bullata.* 2. V. leaves egg'd vein-wrinkled, spikes globular. *stud-ded.*  
*Martini-censis.* 6. V. leaves egg'd pointed, spikes oblong. *Martinico.*  
*globosa.* 3. V. leaves lance-oblong, stem two-forked, peduncles axillary elongate naked, spikes globular. *globular.*  
*curassavica.* 4. V. leaves lanced, spikes oblong. *curassao.*  
*alba.* 5. V. leaves hearted, flowers cymed. *white.*

259. LAUGERIA. *Cor.* 5-cleft. *Drupe* with nucleus 5-cell'd.

- odorata.* 1. LAUGERIA. *odorous.*

260. BRUNSFELSIA. *Cor.* funnel-form longest. *Berry* 1-cell'd, many seeded.

- americana.* BRUNSFELSIA. *american.*

263. CHRYSOPHYLLUM. *Cor.* bell'd, 10-cleft: the alternate divisions expanded. *Berry* 10-seeded.

- Cainito.* 1. C. leaves egg'd parallelly striated, down-glossy underneath.  
*glabrum.* 2. C. leaves most smooth on both sides. *smooth.*

186. FIVE MALES. ONE FEMALE. Sideroxylon.

264. SIDEROXYLON. *Cor.* 10-cleft: the alternate divisions incurved. *Stigma* simple. *Berry* 5-seeded.

- mite.* 1. *S.* unarm'd, flowers sessile. *mild.*  
*inermis.* 1. *S.* unarm'd, leaves perennial inverse-egg'd, peduncles columnar. *unarm'd.*  
*melanophleus.* 4. *S.* unarm'd, leaves perennial lanced, peduncles angled.  
*tenax.* 5. *S.* nearly unarm'd, leaves deciduous lanced downy underneath, peduncles thread-form. *tenacious.*  
*lycioides.* 2. *S.* thorny, leaves deciduous lanced. *lycium-like.*  
*decandrum.* 3. *S.* thorny, leaves deciduous elliptic. *ten-male.*  
*spinosum.* 7. *S.* thorny, leaves perennial. *thorny.*  
*foetidissima.* 6. *S.* unarm'd, leaves subopposite, flowers most expanding. *most fetid.*  
*cymosum.* *S.* unarm'd, leaves opposite petioled, cymes compound and decompound. *S.* *cymed.*

265. RHAMNUS. *Cal.* tubular: with scales fortifying the Stamens. *Cor.* none. *Berry.*

\* *Thorny.*

- catharticus.* 1. *R.* thorns terminal, flowers four-cleft, two-house leaves egg'd, stem erect. *cathartic.*  
*insectorius.* 21. *R.* thorns terminal, flowers four-cleft, two-house, stems procumbent.  
*lycioides.* 2. *R.* thorns terminal, leaves linear. *lycium-like.*  
*oleoides.* 3. *R.* thorns terminal, leaves oblong most intire. *olive-like.*  
*saxatilis.* 20. *R.* thorns terminal, flowers four-cleft hermaphrodite. *rock.*  
*theezans.* *R.* thorns terminal, leaves egg'd fine-saw'd, branches divaricated.  
*pentaphyllus.* *R.* thorns lateral, leaves solitary and fived. *five-leaved.*

\* \* *Unarm'd.*

- Sarcomphalus.* 6. *R.* unarm'd, leaves oval leathery most intire end-nicked.  
*Micranthus.* 7. *R.* unarm'd, leaves egg-lanced oblique pubescent, stipules lanced pointed deciduous.

10. *R.*

- cubensis*, 10. R. unarm'd, flowers hermaphrodite, capsules three-cell'd, leaves wrinkled most intire downy. *Cuba.*
- colubrinus*. 8. R. unarm'd, flowers one-female hermaphrodite erect, capsules three-grained, petioles iron-downy. *snake.*
- alpinus*. 4. R. unarm'd, flowers two-houfe, leaves double-notch'd. *alpine.*
- pumilus*. 21. R. unarm'd creeping, flowers hermaphrodite, leaves saw'd. *dwarf.*
- Frangula*. 5. R. unarm'd, flowers one-female hermaphrodite, leaves most intire
- lineatus*. 11. R. unarm'd, flowers hermaphrodite, leaves egg'd lined scollop'd netted underneath. *lined.*
- Alaternus*. 9. R. unarm'd, flowers two-houfe, stigma three-fold, leaves saw'd.
- volubilis*. R. unarm'd, stem twining, leaves most intire egg'd friated. *S. twining.*
- tetragonus*. R. unarm'd, leaves egg'd intire smooth seffile, branches four-corner'd. *S. four-corner'd.*
- \* \* \* *Prickly.*
- Paliurus*. 12. R. prickles doubled: the inferior one reflected, flowers three-female.
- Lotus*. 13. R. prickles doubled: one recurved, leaves egg-oblong.
- ignaveus*. 17. R. prickles doubled: one expanding, racemes axillary one-houfe, leaves naked. *fluggish.*
- Napeca*. 14. R. prickles mostly doubled recurved, peduncles corymbed, flowers half-two-female, leaves sawed polish'd on both sides.
- Fujuba*. 15. R. prickles solitary recurved, peduncles aggregate, flowers half-two-female, leaves retuse downy underneath.
- Oenoplia*. 16. R. prickles solitary recurved, peduncles aggregate subseffile, leaves half-hearted downy underneath.
- Zizyphus*. 18. R. prickles doubled: one recurved, flowers two-female, leaves egg-oblong.
- Spina Christi*. 19. R. prickles doubled fraight, leaves egg'd. *thorn of Christ.*
- circumsciffus*. R. prickly, leaves opposite two-faced inverse-hearted prickles opposite-leav'd. *S. circumsciffed.*

266. *PHYLICA*. *Perianth* 5-parted, top-like. *Petals* 0. *Scales* 5, fortifying the stamens. *Caps.* three-grain'd, beneath.

- |                     |    |  |                        |
|---------------------|----|--|------------------------|
| <i>ericoides</i> .  | 1. | <i>P.</i> leaves linear verticil'd.  | <i>Heath-like.</i>     |
| <i>bicolor</i> .    |    | <i>P.</i> leaves linear pubescent, common calyxes shorter than the corol.  | <i>two-coloured.</i>   |
| <i>plumosa</i> .    | 2. | <i>P.</i> leaves linear-awl'd : the highest shaggy.  | <i>feathery.</i>       |
| <i>imberbis</i> .   |    | <i>P.</i> leaves linear obtuse rugged, flowers terminal pubescent.   | <i>beardless.</i>      |
| <i>stipularis</i> . |    | <i>P.</i> leaves linear stipuled, flowers five-horned.   | <i>stipuled.</i>       |
| <i>dioica</i> .     | B. | <i>P.</i> leaves hearted.  | <i>two-house.</i>      |
| <i>buxifolia</i> .  | 3. | <i>P.</i> leaves egg'd scatter'd and three-fold downy underneath.  | <i>Box-leaved.</i>     |
| <i>racemosa</i> .   |    | <i>P.</i> leaves egg'd smooth, flowers simple panicle-racemed.   | <i>racemed.</i>        |
| <i>parviflora</i> . |    | <i>P.</i> leaves awl'd acute rugged somewhat hairy, branches panicle-many-flower'd.                                | <i>small-flower'd.</i> |
| <i>pinifolia</i> .  |    | <i>P.</i> leaves awny flat on both sides smoothest, flowers panicle-racemed. <i>S.</i>                             | <i>pine-leaved.</i>    |
| <i>callosa</i> .    |    | <i>P.</i> leaves hearted lanced downy underneath papillous above pungent at top, flowers headed villous. <i>S.</i> | <i>callous.</i>        |
| <i>spicata</i> .    |    | <i>P.</i> leaves heart-arrow'd lanced downy underneath smoothest above pointed pungent, spikes woolly. <i>S.</i>   | <i>spiked.</i>         |

267. *CEANOTHUS*. *Petals* 5, bag'd, vaulted. *Berry* dry, 3-cell'd, 3-feeded.

- |                    |    |   |                  |
|--------------------|----|---|------------------|
| <i>americana</i> . | 1. | <i>C.</i> leaves three-nerved.                        | <i>american.</i> |
| <i>asiaticus</i> . | 2. | <i>C.</i> leaves egg'd nerveless.                     | <i>asian.</i>    |
| <i>africanus</i> . | 3. | <i>C.</i> leaves lanced nerveless, stipules roundish. | <i>african.</i>  |

1250. *ARDUINA*. *Cor.* 1-petal'd. *Stigma* 2-cleft. *Berry* 2-cell'd. *Seeds* solitary.

*bispinosa*. *ARDUINA*. *two-thorned.*

268. *BÜTTNERIA*. *Cor.* 5-petal'd. *Filaments* growing at top to the petals. *Caps.* 5-grain'd, murex'd.

- |                      |    |  |                      |
|----------------------|----|--|----------------------|
| <i>scabra</i> .      | 1. | <i>B.</i> leaves rib and petioles prickled.          | <i>rugged.</i>       |
| <i>microphylla</i> . |    | <i>B.</i> branches winding polish'd, leaves unarm'd. | <i>small-leaved.</i> |

269. *MYRSINE*.

269. MYRSINE. *Cor.* half-5-cleft, converging.  
*Germ.* filling the corol. *Berry* 1-  
 feeded, with nucleus 5-cell'd.

*africana.* 1. MYRSINE. *african.*

270. CELASTRUS. *Cor.* 5-petal'd expanding.  
*Capsf.* 3-angled, 3-cell'd. *Seeds* ca-  
 lyptr'd.

- bullatus.* 1. C. unarm'd, leaves egg'd most intire. *studded.*  
*scandens.* 2. C. unarm'd, stem twining. *climbing.*  
*myrtifolius.* 3. C. unarm'd, leaves egg'd fine-saw'd, flowers racemed,  
 stem erect. *myrtle-leaved.*  
*buxifolius.* 4. C. thorns leafy, branches angled, leaves oblong. *box-*  
*leaved.*  
*pyracanthus.* 5. C. thorns naked, branches columnar, leaves acute.  
*lucidus.* 6. C. leaves oval glossy most intire margined. *lucid.*  
*linearis.* C. thorny, thorns leafy, leaves linear intire. *S. linear.*  
*procumbens.* C. unarm'd, procumbent, leaves egg'd saw'd, flow-  
 ers axillary subsolitary. *S. procumbent.*  
*filiformis.* C. unarm'd, leaves lanced intire, branches thread-  
 form, peduncles axillary one-flower'd. *S. threadform.*  
*acuminatus.* C. unarm'd, leaves egg'd pointed saw'd, peduncles  
 axillary one-flower'd, stem erect loose. *S. pointed.*  
*microphyllas.* C. unarm'd, leaves egg'd obtuse intire, cymes termi-  
 nal two-fork'd. *S. small-leaved.*

271. EUONYMUS. *Cor.* 5-petal'd. *Capsf.* 5-cor-  
 ner'd, 5-cell'd, 5-valved, colour'd.  
*Seeds* calyptr'd.

- europæus.* 1. E. flowers mostly four-cleft, leaves sessile. *european.*  
*americanus.* 2. E. flowers all five-cleft, leaves sessile. *american.*  
*Colpoon.* E. flowers all four-cleft, leaves petioled oval obtuse.  
*Japonicus.* E. flowers four-cleft, leaves elliptic-egg'd saw'd most  
 obtuse. *S. Japan.*

272. DIOSMA.

190. FIVE MALES. ONE FEMALE. Diosma.

272. DIOSMA. *Cor.* 5-petal'd. *Nectaries* 5, above the Germ. *Caps.* 3 or 5 united. *Seeds* calyptred.

- |                       |  |                         |
|-----------------------|--|-------------------------|
| <i>oppositifolia.</i> | 1. D. leaves awl'd acute opposite.   | <i>opposite-leaved.</i> |
| <i>hirsuta.</i>       | 2. D. leaves linear shaggy.  | <i>shaggy.</i>          |
| <i>rubra.</i>         | 3. D. leaves linear dagger'd smooth keel'd, dotted underneath both ways.       | <i>red.</i>             |
| <i>ericoides.</i>     | 4. D. leaves linear-lanced, convex under, imbricated two ways.                 | <i>Heath-like.</i>      |
| <i>capensis.</i>      | D. leaves linear three-sided dotted underneath.                                | <i>cape.</i>            |
| <i>capitata.</i>      | D. leaves linear imbricated rugged fringed, flowers spike-headed.              | <i>beaded.</i>          |
| <i>cupressina.</i>    | 10. D. leaves egg'd three-sided imbricated, flowers solitary terminal sessile. | <i>cypress.</i>         |
| <i>imbricata.</i>     | D. leaves egg'd dagger'd imbricated fringed.                                   | <i>imbricated.</i>      |
| <i>lanceolata.</i>    | 6. D. leaves elliptic obtuse smooth.   | <i>lanced.</i>          |
| <i>ciliata.</i>       | 5. D. leaves lanced fringed wrinkled.  | <i>fringed.</i>         |
| <i>crenata.</i>       | 8. D. leaves lance-oval opposite glandular-notch'd, flowers solitary.          | <i>notched.</i>         |
| <i>uniflora.</i>      | 7. D. leaves egg-oblong, flowers solitary terminal.                            | <i>one-flower'd.</i>    |
| <i>pulchella.</i>     | 9. D. leaves egg'd obtuse glandular-notch'd, flowers double axillary.          | <i>pretty.</i>          |
| <i>latifolia.</i>     | D. leaves egg'd notch'd, peduncles axillary solitary, stem villous. S.         | <i>broad-leaved.</i>    |
| <i>unicapsularis.</i> | D. capsules one-cell'd. S.   | <i>one-capsuled.</i>    |
| <i>marginata.</i>     | D. leaves heart-attenuated membrane-margined. S.                               | <i>margined.</i>        |
| <i>barbigera.</i>     | D. leaves hearted stem-clasping, petals bearded. S.                            | <i>beard-bearing.</i>   |
| <i>tetragona.</i>     | D. leaves hearted retuse complicate-keel'd fringed, branches one-flower'd. S.  | <i>four-corner'd.</i>   |

274. BRUNIA. *Flowers* aggregate. Filaments inserted in the claws of the petals. *Stigma* 2-cleft. *Seeds* solitary, two-cell'd.

- |                   |   |                        |
|-------------------|---|------------------------|
| <i>nodiflora.</i> | 1. B. leaves imbricated three-sided acute.  | <i>knot-flowering.</i> |
| <i>paleacea.</i>  | B. leaves five-ways imbricated appressed, corymbe terminal, chaff of the heads protruded. | <i>chaffy.</i>         |
|                   |   | 2. B.                  |

- lanuginosa*. 2. B. leaves linear expanded, callous at top. *woolly*.  
*abrotanoides*. 4. B. leaves linear-lanced expanding three-sided callous  
 at top. *abrotanum-like*.  
*ciliata*. 3. B. leaves egg'd pointed fringed. *fringed*.  
*radiata*. B. leaves linear three-sided, calyx radiate with the  
 internal leaflets colour'd. *radiate*.  
*glutinosa*. B. leaves linear three-sided, calyx radiate: all the  
 leaflets coloured. *glutinous*.  
*verticillata*. B. leaves three-sided obtuse smooth, branchlets verti-  
 cil'd level-top'd, heads terminal smooth. S.  
*verticil'd*.

1372. ESCALLONIA. *Fruit* two-cell'd, many  
 seeded. *Petals* distant, tongued. *Stig-*  
*ma* headed.

*Myrtilloides*. ESCALLONIA. S. *Myrtle-like*.

1373. CORYNOCARPUS. *Nut* club'd. *Necta-*  
*ries* five, petalform, alternating with  
 the petals, gland-bearing at the base. S.

*laevigata*. CORYNOCARPUS. S. *polish'd*.

1374. ARGOPHYLLUM. *Capsule* three-celled.  
*Nectary* pyramidal, five-angled, the  
 length of the corol. S.

*nitidum*. ARGOPHYLLUM. S. *glossy*.

1247. CYRILLA. *Petals* acute, inserted in the re-  
 ceptacle. *Capsf.* 2-cell'd. *Styles* two-  
 cleft, permanent.

*racemiflora*. I. CYRILLA. *raceme-flower'd*.

275. ITEA. *Petals* long, inserted in the calyx.  
*Capsf.* 1-cell'd, 2-valved.

*virginica*. I. ITEA *virginian*.

276. GALAX.

192. FIVE MALES. ONE FEMALE. Galax.

276. GALAX. *Cor.* falver-form. *Cal.* 10-leaved.  
*Capsf.* 1-cell'd, 2-valved, elastic.

*aphylla.* I. GALAX. *leafless.*

277. CEDRELA. *Cal.* withering. *Cor.* 5-petal'd, funnel-form, growing at the base to one-third of the receptacle. *Capsf.* woody, 5-cell'd, 5-valved. *Seeds* imbricated downwards, with a membranous wing.

*odorata.* A C. flowers paniced. *odorous.*

278. MANGIFERA. *Cor.* 5-petal'd. *Drupe* kidney-form.

*pinnata.* Leaves feather'd, flowers ten-male. S. *feather'd.*  
*indica.* I. Leaves simple flowers ten-male. S. *indian.*

280. HIRTELLA. *Petals* 5. *Filaments* longest, permanent, spiral. *Berry* 1-seeded. *Style* lateral.

*americana.* I. HIRTELLA. *american.*

1249. PLECTRONIA. *Petals* 5 inserted in the throat of the calyx. *Berry* 2-seeded, beneath.

*ventosa.* I. PLECTRONIA. *windy.*

281. RIBES. *Petals* 5 and the stamens inserted in the calyx. *Style* 2-cleft. *Berry* many-seeded, beneath,

\* *Ribesia unarmed.* *Courants.*

*rubrum.* I. R. unarm'd, racemes smooth pendulous, flowers flat-tish.

*red.*  
2. R.



- alpinum.* 2. R. unarm'd, racemes erect : with bractes longer than the flower. *alpine.*
- nigrum.* 3. R. unarm'd, racemes hairy, flowers oblong. *black.*
- \* \* *Grossulariæ prickly. Gooseberries.*
- reclinata.* 4. R. branches somewhat prickly reclined, peduncles with a three-leaved bracte. *reclined.*
- Grossularia.* 5. R. branches prickly, fringes of the petioles hairy, berries shaggy.
- Una crispata.* 7. R. branches prickly, berries smooth, pedicels with a one-leaved bracte. *one curl.*
- oxyacanthoides.* 6. R. branches every way prickly.
- cynobati.* 8. R. prickles subaxillary, berries prickly racemed.
- diacantha.* R. leaves gashed, prickles double at the ends. *S. two-thorn'd.*

282. GRONOVIA. *Petals 5 and the stamens inserted on the bell'd calyx. Berry dry, one-seeded, beneath.*

*scandens.* 1. GRONOVIA. *climbing.*

1296. AQUILICIA. *Cal. 5-cleft. Petals 5. Nectary pitcher'd with 15 scales. Berry 5-cell'd Seeds solitary.*

*sambucina.* AQUILICIA. *Elder.*

283. HEDERA. *Petals 5, oblong. Berry 5-seeded encompass'd by the calyx. Ivy.*

*Helix.* 1. H. leaves egg'd and lobed.

*quinquefolia.* 2. H. leaves fived egg'd sawed. *five-leaved.*

284. VITIS. *Petals cohering at top, withered. Berry 5-seeded, above. Vine.*

*vinifera.* 1. V. leaves lobed sinuous naked. *wine-bearing.*

*indica.* 2. V. leaves hearted toothed villous underneath, tendrils raceme-bearing. *indian.*

*Labrusca.* 3. V. leaves hearted mostly three-lobed toothed downy underneath.

194. FIVE MALES. ONE FEMALE. *Vitis*.

- vulpina*. 4. *V.* leaves hearted tooth-saw'd naked on both sides.  
*trifolia*. 5. *V.* leaves three'd: the leaflets roundish saw'd. <sup>fox.</sup> *three-*  
*laciniosa*. 6. *V.* leaves fived: the leaflets many-cleft. <sup>leaved.</sup> *cut.*  
*heptaphylla*. *V.* leaves seven'd egg'd most intire. <sup>seven-leaved.</sup>  
*arborea*. 7. *V.* leaves super-decompounded: the lateral leaflets  
feathered *arborescent.*

285. LAGOECIA. *Involucre* universal and partial.  
*Petals* 2-cleft. *Seeds* solitary, beneath.

*Cuminoides*. I. LAGOECIA. *Cumine-like.*

1234. RORIDULA. *Cor.* 5-petal'd. *Cal.* 5-leaved.  
*Capsf.* 3-valved. *Anthers* bag-form at  
the base.

*dentata*. I. RORIDULA: *tooth'd.*

286. SAUVAGESIA. *Cor.* 5-petal'd, fring'd. *Cal.*  
5-leaved. *Nectary* 5-leaved, alterna-  
ting with the petals. *Capsf.* 1-cell'd.

*erecta*. I. SAUVAGESIA. *erect.*

287. CLAYTONIA. *Cal.* 2-valved. *Cor.* 5-pe-  
tal'd. *Stigma* 3-cleft. *Capsf.* 3-valved,  
1-cell'd, 3-seeded.

*virginica*. I. *C.* leaves linear. *virginian.*  
*sibirica*. 2. *C.* leaves egg'd. *siberian.*  
*Portulacaria*. *C.* stem arborescent erect. *Portulaca.*

1297. HELICONIA. *Spathe* universal and partial.  
*Cal.* 0. *Cor.* 3-petal'd: *Nectary* 2-  
leaved. *Capsf.* three-grain'd.

*Bibai*. *H.* leaves nerved netted attenuated at the base, nectary  
halberted free. *S.*

*H.*

- alba*. H. nerves of the leaves most simple smoothest, egg-rounded at the base, nectary halberted free. S. *white*.
- psittacorum*. H. leaves smoothest nerved rounded at the base, inflorescence most smooth, spadix erect bractelets, nectary lanced adhering. S. *parrot*.
- pirifuta*. H. leaves rounded at the base most simply nerved smoothest, inflorescence shaggy, spadix winding, nectary lanced adhering. S. *shaggy*.

288. ACHYRANTHES. *Cal.* 5-leaved. *Cor.* o.  
*Stigma* 2-cleft. *Seeds* solitary.

- aspera*. 3. A. stem shrubby erect, calyxes reflected appressed to the spike. *rough*.
- lappacea*. 4. A. stem shrubby diffuse, prostrate with interrupted spikes, the lateral florets on both sides with a hooked fascicle of bristles. *burry*.
- muricata*. 2. A. stem shrubby expanding, leaves alternate, flowers spiked remote egg'd, calyxes ragged. *murex'd*.
- corymbosa*. 7. A. leaves fourfold linear, panicle two-fork-corymbed. *corymbed*.
- dichotoma*. 10. A. stem shrubbyish, spikes opposite linear flat acute, cyme two-fork'd. *two-fork'd*.
- prostrata*. 5. A stems prostrate shrubby, spikes oblong: florets with a hooked fascicle on both sides. *prostrate*.
- alternifolia*. A. stem erect, flowers in subglobular hedgehogs. S. *alternate-leaved*.
- patula*. A. stem shrubby expanded pubescent, flowers in orbicular spikes hedgehog-hook'd. S. *expanded*.
- lappacea*. A. stem shrubby diffuse prostrate, spikes interrupted, lateral florets on both sides in a hook'd fascicle of bristles. S. *burry*.

289. CELOSIA. *Cal.* 3-leaved. *Corols* 5 petal'd in appearance. *Stamens* conjoined at the base to the plaited nectary. *Capsf.* gaping horizontally.

- argentea*. 1. C. leaves lanced, stipules somewhat sickled, peduncles angled, spikes parched. *silver*.

196. FIVE MALES. ONE FEMALE. Celosia.

- margaritacea*. 2. C. leaves egg'd, stipules sickled, peduncles angled, spikes parched. *pearl.*
- crislata*. 3. C. leaves oblong-egg'd, peduncles columnar subtrifurcated, spikes oblong. *crested.*
- paniculata*. 6. C. leaves egg-oblong, stem rising panicled; spikes alternate terminal remote. *panicled.*
- coccinea*. 5. C. leaves egg'd upright earless, stem furrow'd, spikes manyfold crested. *scarlet.*
- castrensis*. 4. C. leaves lance-egg'd lined most pointed, stipules sickled, spikes crested. *camp.*
- trigyna*. C. leaves egg-oblong, raceme loose, pistil three-cleft. *three-female.*
- lanata*. 7. C. leaves lanced downy obtuse, spikes crowded, stamens woolly. *woolly.*
- nodiflora*. 8. C. leaves wedge-form acutish, spikes globular lateral. *knot-flowering.*
- Gnaphaloides*. C. shrubby woolly, leaves opposite egg'd white underneath, head globular peduncled. *S. Gnaphalium-like.*

290. ILLECEBRUM. *Cal.* 5-leaved, cartilaginous. *Cor.* none. *Stigma* simple. *Caps.* 5-valved, one-seeded.

- brachiatum*. I. stem erect herbaceous cross-arm'd, leaves opposite polish'd. *cross-arm'd.*
- sanguinolentum*. I. shrub-growing, leaves opposite, spikes compound collected. *bloody.*
- lanata*. I. stem subherbaceous erect, flowers lateral, leaves alternate. *woolly.*
- javanica*. I. stem herbaceous erect white downy, leaves alternate. *Java.*
- verticillatum*. I. I. flowers verticil'd naked, stems procumbent. *verticil'd.*
- suffruticosum*. 2. I. flowers lateral solitary, stems shrubbyish. *shrubbyish.*
- cymosum*. 3. I. spikes cymed one-rank'd, stem diffuse. *cymed.*
- Paronychia*. 4. I. flowers bracted glossy fenced, stems procumbent, leaves polished.
- capitatum*. 5. I. flowers bracted glossy concealing the terminal heads, stems erectish, leaves fringed villous underneath. *headed.*
- benghalensis*. I. stem erect herbaceous, leaves alternate and opposite lanced pubescent. *Benghal.*

- arabicum*. 11. I. flowers scatter'd collected, bractes glossy equal, stems procumbent. *arabian.*
- Achyrantha*. 6. I. stems creeping hairy, leaves egg'd dagger'd the opposite one less, heads subglobular somewhat thorny.
- polygonoides*. 7. I. stems creeping shaggy, leaves broad-lanced petioled, heads orbicular naked. *polygonum-like.*
- ficoideum*. 8. I. stems creeping smooth, leaves broad-lanced petioled, heads orbicular pubescent. *fig-like.*
- sessile*. 9. I. stems creeping downy two-ways, leaves lanced sessile, heads oblong smooth. *sessile.*
- vermiculatum*. 10. I. stems creeping smooth, leaves sub-columnar fleshy, heads oblong smooth terminal. *worm.*
- alsinifolium*. 12. I. stems diffuse, leaves egg'd, flowers collected bracted glossy. *chickweed-leaved.*
- Monsoniæ*. I. spikes terminal, stems prostrate, leaves awl'd. S.
- Canariense*. I. shrubby, leaves elliptic acute, stipules and bractes egg'd shorter, panicles terminal two-fork'd. S. *Canary.*

291. GLAUX. *Cal.* 1-leaved. *Cor.* none. *Capsf.* 1-cell'd, 5-valved, 5-seeded.

*maritima*. I. GLAUX. *sea.*

292. THESIUM. *Cal.* 1-leaved, on which the stamens are inserted. *Seed* 1, beneath.

- Linophyllum*. 1. T. panicle leafy, leaves linear. *Flax-leaved.*
- alpinum*. 2. T. raceme leaved, leaves linear. *alpine.*
- Frisea*. T. flowers subspiked one-ranked fringe-woolly, leaves awl'd.
- spicatum*. T. flowers spiked polished, leaves awled shortest remotest. *spiked.*
- capitatum*. 3. T. flowers headed sessile terminal, leaves three-sided polished, bractes egg'd. *headed.*
- strictum*. T. flowers umbel'd, leaves linear decurent. *upright.*
- umbellatum*. 6. T. flowers umbel'd, leaves oblong. *umbel'd.*
- scabrum*. 4. T. heads peduncled, leaves three-sided, most rugged on the edge and keel. *rugged.*
- paniculatum*. 7. T. the whole paniced. *paniced.*
- amplexicaule*. T. flowers subspiked one-rank'd fringe-woolly. *stem-clasping.*
- T.

198. FIVE MALES. ONE FEMALE. *Thesium.*

- euphorbides.* T. peduncles, three-flower'd terminal, leaves somewhat egg'd fleshy. *sponge-like.*
- colpoon.* T. leaves opposite petioled inverse-egg'd flat most intire, corymb terminal leafless. S.
- spinofum.* T. leaves awl'd dagger'd, flowers axillary solitary. S. *thorny.*
- triflorum.* T. leaves lanced, stems angled, peduncles axillary three-fork'd compound. S. *three-flower'd.*
- fragile.* T. leaves egg-three-sided keel'd decurrent, stem angled, flowers axillary sessile. S. *fragile.*
- squarrofum.* T. leaves linear-awl'd recurvate-reflected, stem columnar, flowers axillary sessile. S. *ragged.*
- lineatum.* T. leaves linear, stem columnar angled leafless beneath, branches straight divaricated, flowers axillary peduncled. S. *lined.*

293. RAUVOLFIA. Contorted. *Berry* succulent, two-seeded.

- nitida.* 1. R. most smooth most glossy. *glossy.*
- canescens.* 2. R. subpubescent. *hoary.*
- tomentosa.* 3. R. downy. *downy.*

1252. PÆDERIA. Contorted. *Berry* empty, fragile, two-seeded. *Style* 2-cleft.

- fætida.* 1. PÆDERIA. *fetid.*

1251. CARISSA. Contorted. *Berries* two, many-seeded.

- Carandas.* 1. C. leaves elliptic obtuse.
- spinorum.* C. leaves egg'd acute. *thorn.*

294. CERBERA. Contorted. *Drupe* one-seeded.

- Abovai.* 1. C. leaves egg'd.
- Manghas.* 2. C. leaves lanced : with transverse nerves.
- Thevetia,* 3. C. leaves linear longest crowded.

296. GARDENIA. Contorted. *Berry* beneath, many-seeded. *Style* elevated, two-lobed. *Cal.* with vertical divisions.

- Thumbergia.* G. unarmed, leaves egg'd acute at both ends, stipules obtuse, calyx funnel-form appendaged: with divisions cow'd petioled. S. *Thumberg.*
- florida.* G. unarmed, leaves egg'd acute at both ends, stipules obtuse, calyx-divisions vertical, tube straight. S. *flowering.*
- Mussenda.* G. unarmed, leaves egg'd acute, stipules dagger'd, calyx-divisions awl'd compress'd, tube incurvate shaggy. S.
- gummifera.* G. unarmed, leaves oblong obtuse shaggy, stipules awl'd, divisions of the calyx egg'd shortest, tube straight. S. *gum-bearing.*
- spinosa.* G. thorns twofold opposite on the branches straight expanding, leaves inverse-egg'd, divisions of the calyx leafy, tube most short. S. *thorny.*
- Rothmannia.* G. unarmed, leaves oblong, stipules awl'd, divisions of the calyx awl'd columnar the length of the tube, tube smooth enlarged short. S.

1295. ALLAMANDA. Contorted. *Caps.* lens-form, erect, hedge-hog'd, 1-cell'd two-valved, many-seeded.

*cathartica.* ALLAMANDA. S. *cathartic.*

295. VINCA. Contorted. *Follicles* 2, erect. *Seeds* naked. *Periwinkle.*

- minor.* 1. V. stems procumbent, leaves lance-egg'd, flowers peduncled. *less.*
- major.* 2. V. stems erect, leaves egg'd, flowers peduncled. *greater.*
- lutea.* 3. V. stem twining, leaves oblong. *yellow.*
- rosea.* 4. V. stem shrub-growing erect, flowers double sessile, leaves egg-oblong, petioles two-tooth'd at the base. *rose.*
- pusilla.* V. stem herbaceous, flowers double peduncled. S. *feeble.*

297. NERIUM.

200. FIVE MALES. ONE FEMALE. Nerium.

297. NERIUM. Contorted. *Follicles* 2, erect.  
*Seeds* feathery. *Cor.* a tube terminated  
by a torn crown.

- Oleander.* 1. N. leaves linear-lanced threefold, corols crown'd.  
*zeylanicum.* 4. N. leaves lanced opposite, branches straight. *Ceylon.*  
*divaricatum.* 2. N. leaves lance-egg'd, branches divaricated. *divari-*  
*cated.*  
*antidysente-* 3. N. leaves egg'd pointed petioled. *antidysenteric.*  
*ricum.*

299. ECHITES. Contorted. *Follicles* 2, long,  
straight. *Seeds* pappus'd. *Cor.* fun-  
nel-form, throat naked.

- biflora.* 1. E. peduncles two-flower'd. *two-flower'd.*  
*5-angularis.* 2. E. peduncles racemed, leaves egg'd pointed. *five-*  
*angled.*  
*subereeta.* 3. E. peduncles racemed, leaves somewhat egg'd obtuse  
dagger'd. *subereet.*  
*agglutinata.* 8. E. peduncles racemed, leaves egg'd end-nick'd  
pointed. *agglutinated.*  
*torulosa.* 4. E. peduncles subracemed, leaves lanced pointed.  
*wreath'd.*  
*umbellata.* 5. E. peduncles umbel'd, leaves egg'd obtuse dagger'd,  
stem twining. *umbel'd.*  
*trifida.* 6. E. peduncles three-cleft many flower'd, leaves egg-  
oblong pointed. *three-cleft.*  
*corymbosa.* 7. E. racemes corymbed, stamens eminent, leaves lance-  
egg'd. *corymbed.*  
*spicata.* 9. E. spikes axillary short, stamens eminent, leaves  
somewhat egg'd. *spiked.*  
*caudata.* 10. E. corols funnel-form: with tops linear most long.  
*tail'd.*  
*scholaris.* 11. E. leaves subverticil'd oblong, follicles thread-form  
longest, umbels compound. *school.*  
*annularis.* E. stem twining, corols salver-form, with an elevated  
ring in the tube. *S. ring.*  
*siphilitica.* E. leaves egg'd subpetioled smoothest ribbed, panicles  
two-fork'd, flowers spiked. *S. siphilitic.*  
*succulenta.* E. prickles twofold behind the leaves, leaves linear  
downy underneath, corols funnel-form. *succu-*  
*lent.*  
E.



*bispinosa.* E. prickles twofold behind the leaves, leaves lanced smooth, corols falver-form. S. *two-thorn'd.*

298. PLUMERIA. Contorted. *Follicles* 2, reflected. *Seeds* inserted on a proper membrane.

*rubra.* 1. P. leaves egg-oblong, petioles two-glanded. *red.*  
*alba.* 2. P. leaves lanced revolute, peduncles tuberous above. *white.*  
*obtusifolia.* 3. P. leaves lanced petioled obtuse. *obtusifolia.*  
*puberula.* P. flowers closed at the border. *modest.*

300. CAMERARIA. Contorted. *Follicles* 2, horizontal. *Seeds* inserted on a proper membrane.

*latifolia.* 1. C. leaves egg'd acute at both ends striated transversely. *broad-leaved.*  
*angustifolia.* 2. C. leaves linear. *narrow-leaved.*

301. TABERNÆMONTANA. Contorted. *Follicles* two, horizontal. *Seeds* immersed in pulp.

*citrifolia.* 1. T. leaves opposite egg'd, flowers lateral glomerate-umbel'd. *citron-leaved.*  
*laurifolia.* 2. T. leaves opposite oval obtusifish. *bay-leaved.*  
*grandiflora.* 5. T. leaves opposite, stem two-fork'd, calyxes unequal most flexible. *great-flowered.*  
*cymosa.* 6. T. leaves opposite, flowers cymed. *cymed.*  
*alternifolia.* 3. T. leaves alternate, stem arborescent. *alternate-leaved.*  
*Amsonia.* 4. T. leaves alternate, stems subherbaceous.

302. CEROPEGIA. Contorted. *Follicles* 2, erect. *Seeds* feathery. Border of the *Corol* converging.

*candelabrum.* 1. C. umbels pendulous, flowers erect. *candlestick:*  
*biflora.* 2. C. peduncles two-flower'd. *two-flower'd.*

202. FIVE MALES. ONE FEMALE. Ceropegia.

*sagittata.* C. umbels sessile, leaves arrow'd. *arrow'd.*  
*tenuifolia.* C. leaves linear-lanced. *thin-leaved.*

1366. VIRECTA. *Caps.* one-cell'd. *Cor.* funnel-form. *Stigma* 2-parted. *Cal.* 5-leaved: with *teeth* interposed. S.

*biflora.* VIRECTA. S. *two-flower'd.*

1367. SHEFFIELDIA. *Caps.* 1-cell'd, five-valved. *Cor.* bell'd. *Filaments* ten: the alternate ones barren. S.

*repens.* S. creeping. S. *creeping.*

1368. RETZIA. *Caps.* 2-cell'd. *Cor.* cylindrical, villous without, *Stigma* 2-cleft. S.

*spicata.* RETZIA. *spiked.*

1369. EPACRIS. *Caps.* 5-cell'd, 5-valved. *Cor.* funnel-form, villous. *Scales* nectar-bearing, growing on the germ. S.

*longifolia.* E. arborescent, leaves awl'd sheathing, racemes erect, flowers opposite. S. *long-leaved.*

*juniperina.* E. arborescent, leaves scattered linear acute expanding sessile, racemes bowing, flowers alternate. S. *juniper.*

*pumila.* E. herbaceous, leaves egg-oblong imbricated, flowers sessile subsolitary. S. *dwarf.*

1370. IGNATIA. *Cal.* 5-tooth'd. *Cor.* longest. *Drupe* 1-cell'd, many-seeded. S.

*amara.* IGNATIA. *bitter.*

1371. TEK-

1371. TEKTONA. *Stigma* tooth'd: *Drupe* dry, spongy, within an inflated calyx, nucleus 3-cell'd. S.

*grandis.* TEKTONA. *great.*

1372. ESCALLONIA. *Fruit* 2-cell'd, many-seeded. *Petals* distant, tongued. *Stigma* headed. S.

*myrtilloides.* ESCALLONIA. *myrtle-like.*

1373. CORYNOCARPUS. *Nut* club'd. *Nectaries* five, petal-form, alternating with the petals, gland-bearing at the base. S.

*laevigata.* CORYNOCARPUS. *polished.*

1374. AGROPHYLLUM. *Caps.* 3-cell'd. *Nectary* pyramidal, five-angled, the length of the corol. S.

*nitidum.* ARGOPHYLLUM. *glossy.*

## T W O F E M A L E S.

( *Digynia.* )

1253. PERGULARIA. *Contorted.* *Nectary* surrounding the Fructification with 5-arrow'd pikes. *Cor.* salver-form.

*glabra.* 1. P. leaves egg'd smooth. *smooth.*  
*tomentosa.* 2. P. leaves hearted downy. *downy.*

204. FIVE MALES. TWO FEMALES. *Periploca*.

303. PERIPLOCA. Contorted. *Nectary* surrounding the Fructification, protruding 5 filaments.

- græca*. 1. P. flowers internally shaggy terminal. *greek*.  
*Secamone*. P. flowers internally shaggy panicled, leaves lance-  
elliptic.  
*indica*. 2. P. spikes imbricated. *indian*.  
*africana*. 3. P. stem shaggy. *african*.  
*esculenta*. P. smooth, leaves linear-awl'd, racemes elongate sim-  
ple, flowers naked within. *S. esculent*.

304. CYNANCHUM. Contorted. *Nectary* cylindrical, 5-tooth'd.

- viminale*. C. stem twining perennial leafless. *osier*.  
*acutum*. 1. C. stem twining herbaceous, leaves heart-oblong  
smooth. *acute*.  
*planifolium*. 6. C. stem twining, leaves hearted smooth downy under-  
neath, peduncles subracemed. *flat-leaved*.  
*racemosum*. 7. C. stem twining, leaves hearted smooth acute, race-  
mes simple. *racemed*.  
*maritimum*. 8. C. stem twining, leaves hearted shaggy downy under-  
neath, peduncles aggregate. *sea*.  
*suberosum*. 2. C. stem twining corky beneath slit, leaves hearted  
pointed. *corky*.  
*hirtum*. 3. C. stem twining shrubby corky beneath slit, leaves  
egg-hearted. *shaggy*.  
*monspeliacum*. 4. C. stem twining herbaceous, leaves kidneyform-  
hearted acute. *montpelier*.  
*undulatum*. 9. C. stem twining, leaves lance-egg'd smooth, umbels  
globular. *waved*.  
*erectum*. 5. C. stem erect divaricated, leaves hearted smooth.  
*erect*.  
*capense*. C. stem twining every way uniform, leaves nearly  
heart-egg'd, peduncles many-flower'd. *S. cape*.  
*tenellum*. C. stem herbaceous somewhat twining, leaves egg-  
oblong. *S. tender*.  
*filiforme*. C. stem erect most simple, leaves linear, flowers ver-  
tical'd axillary. *S. thread-form*.

C.

*obtusifolium*. C. stem twining herbaceous, leaves oblong rounded at the top with a point, umbels lateral. S. *obtuse-leaved*.

305. APOCYNUM. Cor. bell'd. Filaments 5, alternate with the stamens.

- androsemifolium*. 1. A. stem straightish herbaceous, leaves egg'd smooth on both sides, cymes terminal. *androsemum-leaved*.
- cannabinum*. 2. A. stem straightish herbaceous, leaves oblong, panicles terminal. *hemp*.
- venetum*. 3. A. stem straightish herbaceous, leaves egg-lanced. *venice*.
- frutescens*. 4. A. stem erect shrub-growing, leaves lance-oval, corols acute; villous in the throat. *shrub-growing*.
- reticulatum*. 5. A. stem twining perennial, leaves egg'd veined. *netted*.
- minutum*. A. leaves halberted. S. *minute*.
- filiforme*. A. stem prostrate herbaceous, leaves thread-form, flowers umbel'd. S. *thread-form*.
- lineare*. A. stem twining herbaceous, leaves linear flat, umbels axillary compound. S. *linear*.
- triflorum*. A. stem twining herbaceous, leaves lanced, umbels axillary two or three-flower'd. *three-flower'd*.

306. ASCLEPIAS. Contorted. Nectaries 5, egg'd, concave, protruding a hornlet.

\* *With leaves opposite flat.*

- undulata*. 1. A. leaves sessile oblong lanced waved smooth, petals fringed. *waved*.
- crispa*. A. leaves lanced curl'd shaggy, petals villous without. *curl'd*.
- pubescens*. A. leaves egg'd vein'd naked, stem shrubby and peduncles villous. *pubescent*.
- gigantea*. 2. A. leaves stem-clasping oblong-oval hairy at the base. *giant*.
- syriaca*. 4. A. leaves oval downy underneath, stem simplest, umbels nodding. *syrian*.
- amœna*. 6. A. leaves egg'd hairyish underneath, stem simple, umbels and nectaries erect. *pleasing*.
5. A.

206. FIVE MALES. TWO FEMALES. *Asclepias*.

- purpurascens*. 5. A. leaves egg'd villous underneath, stem simple, umbels erect, nectaries resupine. *purple.*
- variegata*. 3. A. leaves egg'd wrinkled naked, stem simple, umbels subsessile: with downy pedicels. *variegated.*
- curassavica*. 9. A. leaves lanced smooth glossy, stem simple, umbels erect solitary lateral. *curassoa.*
- nivea*. 7. A. leaves egg-lanced smoothish, stem simple, umbels erect lateral solitary. *snowy.*
- incarnata*. 8. A. leaves lanced, stem divided above, umbels erect double. *incarnate.*
- decumbens*. 10. A. leaves villous, stem decumbent. *decumbent.*
- lactifera*. 11. A. leaves egg'd, stem erect, umbels proliferous shortest. *milk-bearing.*
- Vincetoxicum*. 12. A. leaves egg'd bearded at the base, stem erect, umbels proliferous.
- nigra*. 13. A. leaves egg'd bearded at the base, stem somewhat twining upwards. *black.*
- volubilis*. A. arboresecent, twining, leaves opposite flat egg'd most intire pointed, umbels erect. *S. twining.*
- crispa*. A. leaves heart-lanced waved rugged opposite, umbel terminal. *S. curl'd.*
- asthmatica*. A. shrubby twining shaggy, leaves opposite petioled heart-egg'd smooth above most intire, umbels few-flower'd. *S. asthmatic.*
- \* \* *With leaves lateral revolute.*
- arborescens*. A. leaves revolute egg'd, stem shrubby subvillous. *arboresecent.*
- fruticosa*. 14. A. leaves revolute linear-lanced, stem shrubby. *shrubby.*
- undulata*. 19. A. leaves revolute-scollop'd hairy. *waved.*
- sibirica*. 15. A. leaves revolute linear-lanced opposite and three-fold, stem decumbent. *siberian.*
- verticillata*. 16. A. leaves revolute linear verticil'd, stem erect. *verticil'd.*
- filiformis*, A. stem erect, leaves thread-form, umbels lateral elongate-peduncled. *S. thread-form.*
- grandiflora*. A. leaves petioled oblong hairy, stem simple shaggy erect, flowers axillary peduncled. *S. great-flower'd.*
- carnosa*. A. leaves egg'd fleshy most smooth. *S. fleshy.*
- \* \* \* *With leaves alternate.*
- rubra*. 17. A. leaves alternate egg'd, many umbels from the same common peduncle. *red.*
18. A.

*tuberosa.* 18. A. leaves alternate lanced, stem divaricated, hairy, *tuberos.*

307. STAPELIA. Contorted. *Nectary* with a double starlet covering the fructification.

- variegata.* 1. S. toothlets of the branches expanding. *variegated.*  
*hirsuta.* 2. S. toothlets of the branches erect. *shaggy.*  
*mammillaris.* S. toothlets of the branches obtuse dagger'd. *mammillary.*  
*pilifera.* S. stem columnar pap-tubercl'd: the paplets hair-bearing at the top. S. *hair-bearing.*  
*incarnata.* S. quadrangular, teeth horizontal-top'd callous. S. *incarnate.*

1208. LICONIA. *Petals* 5: inlaid in the pit of the *Nectary* at its base. *Capsule* seed-bearing two-cell'd.

*alopeкуроidea.* LICONIA. *alopecurus-like.*

308. HERNIARIA. *Cal.* 5-parted. *Cor.* 0. *Stamens* 5 barren. *Caps.* 1-seeded.

- glabra.* 1. H. smooth. *smooth.*  
*hirsuta.* 2. H. shaggy. *shaggy.*  
*fruticosa.* 3. H. stems shrubby, flowers four-cleft. *shrubby.*  
*lenticulata.* 4. H. shrubbyish, leaves egg-oblong hairy. *lens.*

309. CHENOPODIUM. *Cal.* 5-leaved, 5-corner'd. *Cor.* 0. *Seed* 1, lenticular above.

\* *Leaves angular.*

- Bonus Hen-* 1. C. leaves triangular arrow'd most intire, spikes compound leafless axillary.  
*urhicum.* 2. C. leaves triangular somewhat tooth'd, racemes crowded most upright approximated to the stem longest. *city.*  
*rubrum.* 3. C. leaves heart-triangular obtusifish tooth'd, racemes erect compound leafyish shorter than the stem. *red.*  
*murale.* 4. C. leaves egg'd glossy tooth'd acute, racemes branchy naked. *wall.*  
 5. C.

208. FIVE MALES. TWO FEMALES. *Chenopodium*.

- serotinum*. 5. C. leaves delta-like sinuous-tooth'd wrinkled smooth uniform, racemes terminal. *late*.
- album*. 6. C. leaves rhomb-like-triangular gnaw'd intire behind: the highest ones oblong, racemes erect. *white*.
- viride*. 7. C. leaves rhomb-like tooth-sinuous, racemes branchy leafyish. *green*.
- hybridum*. 8. C. leaves hearted angle-pointed, racemes branchy naked. *mule*.
- Botrys*. 9. C. leaves oblong sinuous, racemes naked many-cleft.
- ambrosioides*. 10. C. leaves lanced tooth'd, racemes leafy simple. *ambrosia-like*.
- multifidum*. 11. C. leaves many-cleft: with linear segments, flowers axillary sessile. *many-cleft*.
- anthelminthicum*. 12. C. leaves egg-oblong tooth'd, racemes leafless. *anthelmintic*.
- glaucum*. 13. C. leaves egg-oblong scollop'd, racemes naked simple glomerate. *sea-green*.
- Atriplicis*. C. stem erect, leaves delta-like coloured underneath. *S. Atriplex*.

\* \* *With leaves intire.*

- Vulvaria*. 14. C. leaves most intire rhomb-like-egg'd, flowers conglomerate axillary.
- polyspermum*. 15. C. leaves most intire egg'd, stem decumbent, cymes two-fork'd leafless axillary. *many-seeded*.
- Scoparia*. 16. C. leaves linear-lanced flat most intire.
- maritimum*. 17. C. leaves awl'd semicylindric. *sea*.
- aristatum*. 18. C. leaves lanced somewhat fleshy most intire, corymbes two-fork'd: with axillary awns. *awned*.
- oppositifolium*. C. leaves opposite lance-awl'd shortest. *S. opposite-leaved*.

310. BETA. *Cal.* 5-leaved. *Cor.* 0. *Seed* kidney-form, within the substance of the base of the calyx. *Beet.*

- vulgaris*. 2. B. flowers collected. *common*.
- Cicla*. 3. B. leaves three-fold.
- maritima*. 1. B. flowers double. *sea*.



311. SALSOLA. *Cal.* 5-leaved. *Cor.* o. *Capsf.*  
1-seeded. *Seed* shell'd.

- Kali.* 1. S. herbaceous decumbent, leaves awl'd thorny rugged, calyxes edged axillary.
- Tragus.* 2. S. herbaceous erect, leaves awl'd thorny polished, calyxes egg'd.
- roseacea.* 3. S. herbaceous leaves awl'd dagger'd, calyxes flatten'd. *rose.*
- Soda.* 6. S. herbaceous expanded, leaves unarm'd.
- sativa.* 7. S. herbaceous diffuse, leaves columnar smooth, flowers conglomerate. *cultivated.*
- altissima.* 10. S. herbaceous erect most branchy, leaves thread-form acutish peduncle-bearing at the base. *highest.*
- salsa.* 9. S. herbaceous erectish, leaves linear somewhat fleshy awnless, calyxes succulent diaphanous. *salt.*
- hirsuta.* 8. S. herbaceous diffuse, leaves columnar obtuse downy. *shaggy.*
- polyclonos.* 12. S. somewhat woody diffuse, leaves oblong, calyxes edged glomerate coloured.
- prostrata.* 3. S. shrub-growing, leaves linear hairy unarmed. *prostrate.*
- vermiculata.* 4. S. shrub-growing, leaves egg'd acute fleshy. *worm.*
- fruticosa.* 11. S. shrubby erect, thread-form obtuifh. *shrubby.*
- muricata.* 13. S. shrubby expanded, branchlets shaggy, calyxes thorny. *murex'd.*
- laniflora.* S. leaves obtuse fleshy, anthers colour'd. S. *wool-flowering.*
- arborescens.* S. shrub-growing, leaves femicylindric: the inferior ones pair'd. S. *arborescent.*
- aphylla.* S. shrubby, nearly leafless, branches covered with the rudiment of the florets. S. *leafless.*

312. ANABASIS. *Cal.* 3-leaved. *Cor.* 5-petal'd.  
*Berry* 1-seeded, surrounded by the calyx.

- aphylla.* 1. A. leafless, joints end-nick'd. *leafless.*
- foliosa.* 2. A. leaves somewhat club'd. *leafy.*
- tamariscifolia.* 1. A. leaves awl'd, pericarps juiceless. *tamarisk-leaved.*
- spinosissima.* A. shrub-growing, branches naked most thorny. S. *most thorny.*

210. FIVE MALES. TWO FEMALES. Cressa.

313. CRESSA. *Cal.* 5-leaved. *Cor.* falver-form.  
*Filaments* growing on the tube. *Capsf.*  
2-valved, 1-seeded.

*cretica.* I. CRESSA. *cretan.*

1254. STERIS. *Cal.* 5-parted. *Cor.* wheel'd. *Berry*  
1-cell'd, many-seeded.

*javana.* I. STERIS. *java.*

314. GOMPHRENA. *Cal.* colour'd: the ex-  
terior 3-leaved: leaflets 2, converging  
keel'd. *Petals* rude villous. *Nectary*  
cylindric, 5-tooth'd. *Style* half-two-  
cleft.

*globosa.* 1. G. stem erect, leaves egg-lanced, heads solitary, pe-  
duncles two-leaved. *globular.*

*perennis.* 2. G. leaves lanced, heads two-leaved, florets distinct  
in their proper perianth. *perennial.*

*hispida.* 3. G. stem erect, heads two-leaved, leaves notch'd.  
*hispid.*

*bราซิลensis.* 4. G. leaves egg-oblong, stem erect, heads peduncled  
globular leaflets. *brazil.*

*ferrata.* 5. G. stem erect cross-arm'd, heads solitary terminal  
sessil, calyxes saw'd. *saw'd.*

*interrupta.* 6. G. stem erect, spike interrupted. *interrupted.*

*flava.* 7. G. peduncles opposite two-cleft, three-headed, the  
intermediate head sessile. *yellow.*

*arborescens.* G. arborecent hairy somewhat twining. S. *arbore-  
scent.*

315. BOSEA. *Cal.* 5-leaved. *Cor.* o. *Berry* 1-  
seeded.

*Yervamora.* I. BOSEA.

316. ULMUS.

316. ULMUS. *Cal.* 5-cleft. *Cor.* 0. *Berry*  
juiceless flat-membraned. *Elm.*

*campestris.* 1. U. leaves double-faw'd : unequal at the base. *field.*

*americana.* 2. U. leaves equally faw'd : unequal at the base. *ame-*  
*rican.*

*pumila.* 3. U. leaves equally faw'd : equal at the base. *dwarf.*

317. NAMA. *Cal.* 5-leaved. *Cor.* 5-parted.  
*Capsf.* 1-cell'd, 2-valved.

*zeylanica.* 1. N. stem erect smooth, leaves linear, flowers ra-  
cemed. *ceylon.*

*jamaicensis.* 2. N. stem decumbent, leaves egg'd, flowers solitary.  
*jamaica.*

318. HYDROLEA. *Cal.* 5-leaved. *Cor.* wheel'd.  
*Filaments* hearted at the base. *Capsf.*  
2-cell'd, 2-valved.

*spinosa.* 1. HYDROLEA. *thorny.*

319. SCHREBERA. *Cal.* 5-parted. *Cor.* fun-  
nel-form. *Filaments* in the throat  
of the corols with as many scales at  
the base.

*schinoides* 1. SCHREBERA. *schinus-like.*

320. HEUCHERA. *Petals* 5. *Capsf.* 2-beak'd,  
2-cell'd.

*americana.* 1. HEUCHERA. *american.*

447. VELEZIA. *Cor.* 5-petal'd, small. *Cal.*  
thread-form, 5-tooth'd. *Capsf.* 1-  
cell'd. *Seeds* very numerous in a sim-  
ple series.

*rigida.* 1. VELEZIA. *rigid.*

321. SWERTIA. *Cor.* wheel'd. *Nectar-bearing* pores at the base of the divisions of the corol. *Capsf.* 1-cell'd, 2-valved.

- |                     |   |                    |
|---------------------|---|--------------------|
| <i>perennis.</i>    | 1. S. corols five-cleft, radical leaves oval.   | <i>perennial.</i>  |
| <i>diformis.</i>    | 2. S. corols five-cleft: the terminal one sex-cleft, peduncles longest leaves linear. | <i>misshapen</i>   |
| <i>rotata.</i>      | 3. S. corols five-cleft, leaves lance-linear.   | <i>wheel'd.</i>    |
| <i>corniculata.</i> | 4. S. corols four-cleft four-horn'd.  | <i>horn'd.</i>     |
| <i>dichotoma.</i>   | 5. S. corols four-cleft horn-lefs.  | <i>two-fork'd.</i> |

322. GENTIANA. *Cor.* one-petal'd. *Capsf.* 2-valved, one-cell'd. *Receptacles* 2, longitudinal. *Gentian.*

\* *Corols five-cleft nearly bell-form.*

- |                      |  |                   |
|----------------------|--|-------------------|
| <i>lutea:</i>        | 1. G. corols mostly five-cleft wheel'd verticil'd, calyxes spathy.             | <i>yellow.</i>    |
| <i>purpurea:</i>     | 2. G. corols mostly five-cleft bell'd verticil'd, calyxes lop'd.               | <i>purple.</i>    |
| <i>punctata.</i>     | 3. G. corols mostly five-cleft bell'd dotted, calyxes five-tooth'd.            | <i>dotted.</i>    |
| <i>asclepiadea.</i>  | 4. G. corols five-cleft bell'd opposite sessile, leaves stem-clasping.         | <i>asclepias.</i> |
| <i>Pneumonantha.</i> | 5. G. corols five-cleft bell'd opposite peduncled, leaves linear.              |                   |
| <i>Saponaria.</i>    | 6. G. corols five-cleft bell'd bellied verticil'd, leaves three-nerved.        |                   |
| <i>villofa.</i>      | 7. G. corols five-cleft bell'd bellied, leaves villous.                        | <i>villous.</i>   |
| <i>acaulis.</i>      | 8. G. corols five-cleft bell'd exceding the stem.                              | <i>stemless.</i>  |
| <i>exaltata.</i>     | 9. G. corols five-cleft crown'd notch'd, peduncle longest two-fork'd terminal. | <i>high.</i>      |
| <i>decumbens.</i>    | G. corols five-cleft, bell'd radical leaves lanced, stem decumbent. S.         | <i>decumbent.</i> |
| <i>saxofa.</i>       | G. corols five-cleft bell'd, leaves spatuled. S.                               | <i>rock</i>       |

\* \* *With corols five-cleft funnel-form.*

- |                   |   |                  |
|-------------------|---|------------------|
| <i>verna.</i>     | 10. G. corol five-cleft funnel-form exceding the stem, radical leaves crowded larger. | <i>vernal.</i>   |
| <i>pyrenaica.</i> | 29. G. corol ten-cleft funnel-form equal: the exterior division ruder.                | <i>pyrenean.</i> |
- G.

- pumila*. G. corol five-cleft funnel-form somewhat saw'd, leaves lance-linear. *dwarf*.
- bavarica*. 11. G. corol five-cleft funnel-form saw'd, leaves egg'd obtuse. *bavarian*.
- aurea*. 12. G. corols five-cleft funnel-form most pointed: with throat beardless and awnless, branches opposite. *golden*.
- nivalis*. 13. G. corols five-cleft funnel-form, branches one-flower'd alternate. *snowy*.
- aquatica*. 14. G. corols five-cleft funnel-form terminal sessile, leaves membranous in the margin. *aquatic*.
- utriculosa*. 15. G. corols five-cleft salver-form, calyxes plait-keel'd. *bladder'd*.
- exacoides*. 16. G. corols five-cleft salver-form, calyxes membrane-keel'd, stem two-fork'd, leaves hearted. *exacum-like*.
- Centaurium*. 17. G. corols five-cleft funnel-form, stem two-fork'd, pistil simple. *Century*.
- maritima*. 30. G. corols five-cleft funnel-form, styles double, stem two-fork'd few-flower'd. *sea*.
- spicata*. 18. G. corols five-cleft funnel-form, flowers alternate sessile. *spiked*.
- verticillata*. 19. G. corols five-cleft funnel-form, flowers verticil'd, stem simple. *verticil'd*.
- verticillata*. G. flowers five-cleft verticil'd eightfold. *S. verticil'd*.
- quinquefolia*. 20. G. corols five-cleft funnel-form, stem acute-angled, leaves egg'd stem-clasping. *five-leaved*.
- aphylla*. G. corols five-cleft salver-form, stem leafless. *leafless*.
- Amarella*. 21. G. corols five-cleft salver-form bearded in the throat.
- scilloides*. G. stem one-flower'd prostrate branchy, leaves inverfe-egg'd obtuse three-nerved, corols funnel-form five-cleft, bractes two-fold. *S. squil-like*.
- \* \* \* *With corols not five-cleft.*
- tampestris*. 23. G. corols four-cleft bearded in the throat. *field*.
- ciliata*. 24. G. corols four-cleft fringed at the margin. *fringed*.
- Cruciata*. 25. G. corols four-cleft beardless, flower'd verticil'd sessile. *cross*.
- sessilis*. 26. G. corols four-cleft, flowers stemless, leaves egg'd. *sessile*.
- filiformis*. 27. G. corols four-cleft beardless, stem two-fork'd thread-form. *thread-form*.
- heteroclita*. G. flowers four-cleft irregular, stem cross-arm'd. *heteroclite*.

214. FIVE MALES. TWO FEMALES. Phyllis.

323. PHYLLIS. *Stigmas* hispid. *Fructifications* scatter'd.

*Nobla.* 1. P. stipules toothed.

\* UMBEL'D PLANTS.

324. ERYNGIUM. *Flowers* headed. *Receptacle* chaffy.

- foetidum.* 1. E. radical leaves lanced saw'd, floral leaves many-cleft, stem two-fork'd. *foetid.*
- aquaticum.* 2. E. leaves sworded saw-thorny: floral ones undivided. *aquatic.*
- planum.* 3. E. radical leaves oval flat notch'd, head peduncled. *flat.*
- pusillum.* 4. E. radical leaves oblong gash'd, stem two-fork'd, heads sessile. *puny.*
- tricuspidatum.* 7. E. radical leaves hearted, stem-leaves handed with retroflected ears, chaff three-piked. *three-piked.*
- maritimum.* 5. E. radical leaves roundish plaited thorny, heads peduncled, chaff three-piked. *sea.*
- campestra.* 8. E. radical leaves stem-clasping feather-lanced. *field.*
- amethystinum.* 9. E. radical leaves three-cleft, somewhat feathered at the base. *amethystine.*
- alpinum:* E. leaves finger'd jagged suborbicular, head oblong many-leaved, chaff bristly three-cleft. *alpine.*

325. HYDROCOTYLE. *Umbel* simple: *Involucre* 4-leaved. *Petals* intire. *Seeds* half-orbicular-compress'd.

- vulgaris.* 1. H. leaves targetted, umbel five-flower'd. *common.*
- umbellata.* 2. H. leaves targetted, umbel many-flower'd. *umbel'd.*
- americana.* 3. H. leaves kidney-form sublobed notch'd. *american.*
- asiatica.* 4. H. leaves kidney-form tooth-notch'd. *asiatic.*
- chinesis.* 5. H. leaves linear, umbel many-flower'd. *china.*
- villosa.* H. downy, leaves hearted most intire downy or villous. *S. villous.*
- glabrata.* H. smoothest, leaves inverse egg'd or lanced acute three-nerv'd smoothest. *S. smoothed.*
- virgata.* H. smoothest, leaves half-columnar linear plough'd with a furrow with longer joints. *S. twiggy.*
- H.

- linifolia.* H. hoary, leaves linear-subspatuled with shorter joints. S. *flax-leaved.*
- Solandra.* H. downy, leaves wedge-form egg'd retuse seven-tooth'd. S.
- tridentata.* H. downy, leaves linear-wedge-form three-tooth'd at top. S. *three-tooth'd.*
- ranunculoides.* H. leaves five-parted gash'd. S. *ranunculus-like.*
- erecta.* H. leaves hearted notch'd, scapes few-flower'd the length of the petioles. S. *erect.*

326. SANICULA. *Umbels* crowded, somewhat heaped. *Fruit* rugged. *Flowers* of the disk abortive.

- europæa.* 1. S. radical leaves simple, florets all sessile. *europæan.*
- canadensis.* 2. S. radical leaves compound, leaflets egg'd. *canada.*
- marilandica.* 3. S. male florets peduncled, hermaphrodite ones sessile. *mariland.*

327. ASTRANTIA *partial Involucres* lanced, expanding equal, longer, colour'd. Many *Flowers* abortive.

- major.* 1. A. leaves five-lobed : lobes three-cleft. *greater.*
- minor.* 2. A. leaves finger'd saw'd. *less.*
- ciliaris.* A. leaves lanced saw-fringed. S. *fringed.*
- Epipactis.* A. leaves five-parted obtuse saw'd. S.

328. BUPLEURUM. *Involucres* of the umbellet greater, 5-leaved. *Petals* involute. *Fruit* roundish, compress'd, striated.

\* *Herbaceous.*

- rotundifolium.* 1. B. univérse involucres none, leaves leaf-pierced. *round-leaved.*
- stellatum.* 2. B. involucels coadjoin'd univérfal one three-leaved. *star'd.*
- petræum.* 3. B. involucels coadjoin'd, univérfal one five-leaved. *rock.*
4. B.

216. FIVE MALES. TWO FEMALES. *Buplenrum*.

- angulosum*. 4. B. involucels five-leaved orbicular: universal one three-leaved egg'd: leaves stem-clasping heart-lanced. *angular.*
- longifolium*. 5. B. involucels five-leaved egg'd: universal one mostly five-leaved, leaves stem-clasping. *long-leaved.*
- falcatum*. 6. B. involucels five-leaved acute: universal one mostly five-leaved, leaves lanced, stem winding. *sickled.*
- odontites*. 7. B. involucels five-leaved acute: universal one three-leaved, central floret higher, branches divaricated. *tooth-ach.*
- femicompositum*. 8. B. umbels compound and also simple. *femicompound.*
- ranunculoides*. 9. B. involucles five-leaves lanced longer: universal one three-leaved, stem leaves lanced. *ranunculus-like.*
- rigidum*. 10. B. stem two-fork'd nakedish, involucre least acute. *rigid.*
- tenuissimum*. 11. B. umbels simple alternate, five-leaved mostly three-flower'd. *slenderest.*
- junceum*. 12. B. stem erect panicled, leaves linear, involucre three-leaved, involucre five-leaved. *rush.*

\* \* *Shrub-growing.*

- fruticosum*. 14. B. shrub-growing, leaves inverse-egg'd most intire. *shrubby.*
- frutescens*. B. shrub-growing, leaves linear, involucre universal and partial ones. *shrub-growing.*
- difforme*. 15. B. shrub-growing, vernal leaves decomposed flat gash'd; summer ones thread-form angled three-cleft. *mishapen.*
- spinosum*. B. shrub-growing, the old branches of the panicle naked thorn-growing, leaves linear. *S. thorny.*

329. ECHINOPHORA. *Lateral flowers male; with an hermaphrodite central one. Seeds one, immerged in the involucel.*

- spinosa*. 1. E. leaflets awl-thorny most intire. *thorny.*
- tenuifolia*. 2. E. leaflets gash'd unarmed. *slender-leaved.*



341. *HASSELQUISTIA.* *Cor.* radiated: with males in the *disk.* *Seeds of the circumference* doubled, notch'd in the margin, *of the disk* solitary, pitcher'd, hemispherical.

*aegyptiaca.* H. leaves feather'd: leaflets feather-cleft. S. *egyptian.*  
*cordata.* H. leaves hearted. S. *hearted.*

330. *TORDYLIUM.* *Cor.* radiated; all hermaphrodite. *Fruit* suborbicular, notch'd at the margin. *Involucres* long, undivided.

*syriacum.* 1. T. involucres longer than the umbel. *syrian.*  
*officinale.* 2. T. partial involucres the length of the flowers, leaflets egg'd jagg'd. *officinal.*  
*peregrinum.* 8. T. seeds furrow'd wrinkled plaited, universal involucre one-leaved nearly three-cleft. *foreign.*  
*apulium.* 3. T. umbels remote, leaves feather'd: feathers roundish jagg'd. *apulian.*  
*maximum.* 4. T. umbels crouded radiated, leaflets lanced gash-saw'd. *greatest.*  
*Anthriscus.* 6. T. umbels crouded, leaflets egg-lanced feather-cleft.  
*nodosum.* 7. T. umbels simple sessile, exterior seeds hispid. *knotty.*

331. *CAUCALIS.* *Cor.* radiated; males in the disk. *Petals* inflex-end-nick'd. *Fruit* hispid with bristles, *Involucres* intire.

*grandiflora.* 1. C. each involucre five-leaved: one leaflet twice as large. *great-flower'd.*  
*daucoides.* 2. C. umbels three-cleft leafless, umbellets three-seeded three-leaved. *carrot-like.*  
*latifolia.* 7. C. universal umbel three-cleft: partial ones five-seeded, leaves feather'd saw'd. *broad-leaved.*  
*mauritanica.* 3. C. universal involucre one-leaved; partial ones three-leaved. *mauritanian.*  
*orientalis.* 5. C. umbels expanding, partial leaflets superdecompound jagg'd: jaglets linear. *oriental.*

218. FIVE MALES. TWO FEMALES. *Caucalis*.

*leptophylla*. 6. C. universal involucre almost none, umbel two-cleft, involucels five-leaved. *small-leaved*.

332. **ARTEDIA**. *Involucres* feather-cleft. *Florets* of the disk male. *Fruit* hispid with scales.

*squamata*. 1. A. seeds scaled. *scaled*.

333. **DAUCUS**. *Corols* subradiated, all hermaphrodite. *Fruit* hispid with hairs. *Carot*.

*Carota*. 1. D. seeds hispid, petioles nerved underneath. *Carot*.

*mauritanicus*. 2. D. seeds hispid, central floret barren fleshy, common receptacle hemispherical. *mauritanian*.

*Vijnaga*. 3. D. seeds polish'd, universal umbel conjoin'd at the base.

*Gingidium*. 4. D. rays of the involucre flat : divisions recurved.

*muricatus*. 5. D. seeds three-barb-prickly. *murex'd*.

*lucidus*. D. leaves lucid, stem shaggy, petioles polish'd. *S. lucid*.

334. **AMMI**. *Involucres* feather-cleft. *Corols* radiated : all hermaphrodite. *Fruit* polish'd.

*majus*. 1. A. inferior leaves feather'd lanced saw'd ; superior many-cleft linear. *greater*.

*copticum*. 3. A. leaves superdecompound linear, seeds murex'd. *coptic*.

*glancifolium*. 2. A. subdivisions of all the leaves lanced. *seagreen-leaved*.

335. **BUNIUM**. *Corol* uniform. *Umbel* crouded. *Fruit* egg'd. *Pignut*.

*Bulbocastanum*. 1. **BUNIUM**.

336. **CONIUM**,

336. CONIUM. *Involucels* halved, mostly three-leaved. *Fruit* subglobular, 5-friated, notch'd at both ends.

- maculatum.* 1. C. seeds friated. *spotted.*  
*rigens.* 4. C. seeds submurex'd, peduncles furrow'd, leaflets channel'd obtuse. *leaflets stiff.*  
*africanum.* 2. C. seeds inurex'd, petioles peduncles polish'd. *african.*  
*Royeni.* 3. C. seeds radiate-thorny. *of Royen.*

337. SELINUM. *Fruit* oval-oblong, flat-compress'd, friated in the middle. *Involucre* reflex. *Petals* hearted equal.

- lyvestre.* 1. S. root spindle-form manifold (styles erect, corolla unfolded. S.) *with*  
*palustre.* 2. S. somewhat milky, root single. *marg.*  
*Carvisolia.* 3. S. stem furrow'd acute-angled, universal involucre evanescent, pistils of the fruit ten x, (styles erect, petals converging. S.) *Carru leaved.*  
*Seguieri.* S. partial leaves decussated, universal involucre none, (pistils most divaricated. S.) *of Seguier.*  
*Monnieri.* 4. S. umbel crouded, universal involucre reflex, seeds with five membranous ribs. *of Monnier.*

338. ATHAMANTA. *Fruit* egg-oblong, friated. *Petals* inflected, end-nick'd.

- Libanotis.* 1. A. leaves twice-feather'd flat, umbels hemispherical, seeds shaggy.  
*Cervaria.* 3. A. leaves feather'd decussated gash-angled, seeds naked.  
*sibirica.* A. leaves feather'd gash-angled. *siberian.*  
*condensata.* 2. A. leaves mostly twice-feather'd : leaflets imbricated downwards, umbel lens-form. *condensed.*  
*Oroselinum.* 4. A. leaflets divaricated.  
*scicula.* 5. A. inferior leaves glossy, primary umbels subsessile, seeds hairy. *scilian.*  
*cretensis.* 6. A. leaflets linear flat shaggy, petals two-parted, seeds oblong shaggy. *cretan.*  
*annua.* 7. A. leaves many-parted : divisions linear fine column'd pointed. *annual.*

220. FIVE MALES. TWO FEMALES. Athamanta.

*chinensis.* 8. A. feeds membrane-friated, leaves superdecompound  
polish'd many-cleft. *chinese.*

339. PEUCEDANUM. *Fruit* egg'd, striated on  
both sides, girt with a wing. *Invo-*  
*luces* shortest.

- officinale.* 1. P. leaves five times three-parted threadform linear. *officinal.*  
*alpestre.* 2. P. leaflets linear branchy. *alpine.*  
*minus.* P. leaves feather'd : leaflets feather-cleft : divisions  
linear opposite, stem most branchy expanded. *lefs.*  
*Silaus.* 3. P. leaflets feather-cleft : divisions opposite, universal  
involucre two-leaved.  
*alsaticum.* 4. P. leaves feather-cleft : sub-divisions three-cleft ob-  
tusish. *alface.*  
*nodosum.* 5. P. leaflets alternately many-cleft. *knotty.*

340. CRITHMUM. *Fruit* oval, compressed. *Flo-*  
*rets* equal. *Sampfire.*

- maritimum.* 1. C. leaflets lanced fleshy. *sea.*  
*pyrenaicum.* 2. C. lateral leaflets twice three-cleft. *pyrenean.*  
*latifolium.* C. leaves feather'd : leaflets sessile inverse egg'd lobed :  
lobes tooth'd. S. *broad-leaved.*

242. CACHRYS. *Fruit* somewhat egg'd, angled,  
cork-bark'd.

- Libanotis.* 1. C. leaves twice-feather'd : leaflets linear acute many-  
cleft, feeds furrow'd polish'd.  
*ficula.* 2. C. leaves twice feather'd : leaflets linear acute, feeds  
furrow'd hispid. *sicilian.*  
*odontalgica.* C. radical leaves superdecompound down-hoary, stem  
naked umbel-bearing, feeds with a corky bark  
most polish'd. S. *tooth-ach.*

343. FERULA.

343. FERULA. *Fruit* oval, flat-compress'd, with three strias on each side.

- |                     |  |                                      |
|---------------------|--|--------------------------------------|
| <i>communis.</i>    | 1. F. leaflets linear longest simple.                                    | <i>common.</i>                       |
| <i>glauca.</i>      | 2. F. leaves superdecompound : leaflets lance-linear flat.               |                                      |
| <i>tingitana.</i>   | 3. F. leaflets jagg'd : the jaglets three-tooth'd glossy.                | <i>sea-green.</i><br><i>tangier.</i> |
| <i>Ferulago.</i>    | 4. F. leaves feather-cleft : feathers linear flat three-cleft.           |                                      |
| <i>orientalis.</i>  | 5. F. feathers of the leaves naked at the base, leaflets bristly.        | <i>oriental.</i>                     |
| <i>meoides.</i>     | 6. F. feathers of the leaves appendaged on both sides; leaflets bristly. | <i>meum-like.</i>                    |
| <i>nodiflora.</i>   | 7. F. leaflets appendaged; umbels sessile.                               | <i>knot-flowering.</i>               |
| <i>canadensis.</i>  | 8. F. lucid canadian.  | <i>canada.</i>                       |
| <i>Assa fætida.</i> | 9. F. leaves alternately sinuous obtuse.                                 |                                      |

344. LASERPITIUM. *Fruit* oblong : with eight membranous angles. *Petals* inflected, end-nick'd, expanding.

- |                       |   |                         |
|-----------------------|---|-------------------------|
| <i>latifolium.</i>    | 1. L. leaflets hearted gash-saw'd.  | <i>broad-leaved.</i>    |
| <i>trilobum.</i>      | 2. L. leaflets three-lobed gash'd.  | <i>three-lobed.</i>     |
| <i>gallicum.</i>      | 3. L. leaflets wedge-form fork'd.   | <i>gallic.</i>          |
| <i>angustifolium.</i> | 4. L. leaflets lanced most intire sessile.  | <i>narrow-leaved.</i>   |
| <i>prutenicum.</i>    | 5. L. leaflets lanced most intire : the outmost ones coadjoin'd.                                  | <i>prussian.</i>        |
| <i>pencedonoides.</i> | 7. L. leaflets linear-lanced vein-striated distinct.  | <i>pencedonum-like.</i> |
| <i>Siler.</i>         | 6. L. leaflets oval-lanced most intire petioled.  |                         |
| <i>Chironium.</i>     | 7. L. leaflets obliquely hearted, petioles shaggy.  |                         |
| <i>erulaceum.</i>     | 8. L. leaflets linear.  |                         |
| <i>simplex.</i>       | 10. L. scape naked leafless simple, leaves feather'd many-cleft acute linear, umbel semiglobular. | <i>simple.</i>          |
| <i>Aciphylla.</i>     | L. stem sheath'd, petioles of the leaves dilated, leaves finger'd linear elongated dagger'd.      | <i>acus-leaved.</i>     |

222. FIVE MALES. TWO FEMALES. Heracleum.

345. HERACLEUM. *Fruit* elliptic, end-nick'd, compress'd, striated, margin'd. *Corol* misshapen, inflex-end-nick'd. *Involucre* falling.

- Sphondylium*. 1. H. leaflets feather-cleft polish'd, flowers uniform.  
*angustifolium*. 6. H. leaves cross-feather'd : leaflets linear, corols flos-  
culent. *narrow-leaved*.  
*sibiricum*. 2. H. leaves feather'd : leaflets five-fold ; the intermedi-  
ate ones sessile, corolets uniform. *siberian*.  
*Panaces*. 3. H. leaves feather'd : leaflets five-fold : the intermedi-  
ate ones sessile, flowers radiated.  
*austriacum*. 4. H. leaves feather'd wrinkled on both sides rugged,  
flowers subradiated. *austrian*.  
*alpinum*. 5. H. leaves simple, flowers radiated. *alpine*.

346. LIGUSTICUM. *Fruit* oblong, five-fur-  
row'd on both sides. *Corols* equal.  
With *Petals* involute, intire.

- Levisticum*. 1. L. leaves manifold : leaflets gash'd above.  
*scoticum*. 2. L. leaves thrice three'd. *scots*.  
*peloponense*. 4. L. leaves feather-manifold : leaflets gash'd featherwise.  
*peloponesian*.  
*austriacum*. 5. L. leaves twice-feather'd : leaflets confluent gash'd  
most intire. *austrian*.  
*cornubiense*. 5. L. leaves decompound gash'd : the radical ones three'd  
lanced most intire. *cornwal*.  
*peregrinum*. 6. L. involucre of the primary umbel almost none ; the  
base of the lateral ones membranous : with  
rays thinly branch'd. *foreign*.  
*balearicum*. L. leaves feather'd : lowest leaflets increased with a  
leaflet. *balearian*.

347. ANGELICA. *Fruit* roundish, angled, solid,  
with *Styles* reflected. *Corols* equal :  
with petals incurved.

- Archangelica*. 1. A. of the leaves the odd one lobed. *Archangel*.  
*sylvestris*. 2. A. leaflets equal egg-lanced saw'd. *wild*.

- verticillaris.* A. leaves most divaricated: leaflets egg'd saw'd, stem verticil'd with peduncles. *verticil'd.*  
*atropurpurea.* 3. A. the outmost pair of the leavs coadjoin'd; the terminal leaf petioled. *dark-purple.*  
*lucida.* 4. A. leaflets equal egg'd gash-saw'd. *lucid.*

248. SIUM. *Fruit* somewhat egg'd, striated. *Involucere* many-leaved. *Petals* hearted.

- latifolium.* 1. S. leaves feather'd, umbel terminal. *broad-leaved.*  
*angustifolium.* 9. S. leaves feather'd, umbels axillary peduncled, universal involucere feather-cleft. *narrow-leaved.*  
*nodiflorum.* 2. S. leaves feather'd, umbels axillary sessile. *knot-flower'd.*  
*Sisarum.* 3. S. leaves feather'd; floral ones three'd.  
*Ninfi.* 4. S. leaves saw'd feather'd; branch-leaves three'd.  
*rigidius.* 5. S. leaves feather'd; leaflets lanced very intire. *stiffer.*  
*Falcaria.* 6. S. leaflets linear decurrent conjoin'd.  
*graecum.* 7. S. leaves all twice-feather'd. *greek.*  
*sciculum.* 8. S. radical leaves three'd; stem ones twice feather'd. *scilian.*  
*repens.* S. stem creeping, leaflets roundish, tooth-angled. S. *creeping.*

349. SISON. *Fruit* egg'd, striated. *Involucere* mostly 4-leaved.

- Amomum.* 1. S. leaves feather'd, umbels erect.  
*segetum.* 2. S. leaves feather'd, umbels bowing. *corn.*  
*canadense.* 3. S. leaves three'd. *canada.*  
*Anmi.* 4. S. leaves thrice feather'd; radical ones linear; stem ones bristly; stipules longer.  
*inundatum.* 5. S. creeping, umbels two-cleft. *flooded.*  
*verticillatum.* 6. S. leaflets verticil'd capillary. *verticil'd.*  
*salsum.* S. radical leaves compound: leaflets somewhat verticil-fascicled lanced, stem leafless, branches umbel-bearing two-fork'd. S. *salt.*

350. BUBON. *Fruit* egg'd, striated, villous.

- macedonicum.* 1. B. leaflets rhomb-egg'd notch'd, umbels most numerous. *macedonian.*

2. B.

224. FIVE MALES. TWO FEMALES. Bubon.

*Galbanum*. 2. B. leaflets rhombic tooth'd striated smooth, umbels few.

*gummiferum*. 3. B. leaflets smooth; inferior ones rhombic saw'd; superior ones feather-cleft three-tooth'd. *gum-bearing.*

*rigidius*. 4. B. leaflets linear. *stiffer.*

351. CUMINUM. *Fruit* egg'd, striated. *Umbellets* 4. *Involucres* 4-cleft. *Cumine.*

*Cuminum*. 1. CUMINUM.

352. OENANTHE. *Florets* misshapen: in the disk sessile, barren. *Fruit* crown'd with calyx and pistil.

*fstulosa*. 1. CÆ. stole bearing, stem-leaves feather'd thread-form pip'd. *fstulous.*

*crocata*. 2. CÆ. leaves all many-cleft obtuse subequal. *saffron.*

*prolifera*. 3. CÆ. peduncles of the umbels marginal longer branchy male. *proliferous.*

*globulosa*. 4. CÆ. fruit globular. *globular.*

*pimpinelloides*. 5. CÆ. radical leaflets wedg'd cleft; stem-ones intire li-  
near longest simple. *pimpinella-like.*

353. PHELLANDRIUM. *Florets* of the disk less. *Fruit* egg'd, polish'd, crown'd with perianth and pistil.

*aquaticum*. 1. P. ramifications of the leaves divaricated. *aquatic.*

*Mutellina*. 2. P. stem nakedish, leaves feather'd.

354. CICUTA. *Fruit* somewhat egg'd, furrow'd.

*virosa*. 1. C. umbels opposite-leaved, petioles margin'd obtuse. *poisonous.*

*bulbifera*. 2. C. branches bulb-bearing. *bulb-bearing.*

*maculata*. 3. C. sawlets of the leaves dagger'd, petioles membranous two-lobed at top. *spotted.*

355. AETHUSA.



355. *ÆTHUSA*. *Involucels* halved, 3-leaved, pendulous. *Fruit* striated.

*Cynapium*. 1. *Æ.* leaves uniform:

*Bunius*. *Æ.* radical leaves feather'd, stem-ones many-part-briftly. *Pig-nut.*

*Meum*. *Æ.* leaves all many-part-briftly.

356. *CORIANDRUM*. *Cor.* radiated: *Petals* inflex-end-nick'd. *Universal Involucre* one-leaved: partial ones halved. *Fruit* spherical. *Coriander.*

*sativum*. 1. *C.* fruit globular.

*cultivated.*

*testiculatum*. 2. *C.* fruit in twins.

*twins.*

357. *SCANDIX*. *Cor.* radiated. *Fruit* awl'd. *Petals* end-nick'd. *Florets* of the disk often male.

*odorata*. 1. *S.* seeds furrow'd angled.

*odorous.*

*PeEten*. 2. *S.* seed with longest beak.

*Comb.*

*Cerefolium*. 3. *S.* seeds glossy egg-awl'd, umbels feffile lateral.

*Anthriscus*. 4. *S.* seeds egg'd hispid, corols uniform, stem polish'd.

*Cherwil.*

*australis*. 5. *S.* seeds awl'd hispid, flowers radiated, stems polish'd.

*southern.*

*nodosa*. 6. *S.* seeds subcylindric hispid, stem hispid: joints swelled.

*knotty.*

*tricosperma*. 9. *S.* seeds most shaggy with hairs twice as long as the seed.

*hair-feed.*

*infesta*. *S.* exterior feed hispid, umbellets most crouded hemispherical.

*troublesome.*

*grandiflora*. 7. *S.* seeds shorter than the villous peduncle.

*great-flower'd.*

*procumbens*. 8. *S.* seeds glossy egg-awl'd, leaves decomound.

*procumbent.*

226. FIVE MALES. TWO FEMALES. Chaerophyllum.

358. CHAEROPHYLLUM. *Involucre* reflected, concave. *Petals* inflex-hearted. *Fruit* oblong, polish'd. *Chervil*.

- |                     |   |                     |
|---------------------|---|---------------------|
| <i>sylvestre.</i>   | 1. C. stem polish'd striated, joints somewhat tumid.                | <i>wild.</i>        |
| <i>bulbosum.</i>    | 2. C. stem polish'd tumid at the joints, shaggy at the base.        | <i>bulbous.</i>     |
| <i>temulum.</i>     | 3. C. stem rugged: joints tumid.                                    | <i>drunken.</i>     |
| <i>hirsutum.</i>    | 5. C. stem equal: leaflets gash'd acute, fruit two-awn'd.           | <i>shaggy.</i>      |
| <i>aromaticum.</i>  | 6. C. stem equal, leaflets saw'd intire, fruit two-awn'd.           | <i>aromatic.</i>    |
| <i>coloratum.</i>   | 8. C. stem equal, leaves superdecompound, involuclers colour'd.     | <i>colour'd.</i>    |
| <i>aureum.</i>      | 4. C. stem equal, leaflets gash'd, seeds colour'd furrow'd awnless. | <i>golden.</i>      |
| <i>arborescens.</i> | 7. C. shrubby.  | <i>arborescent.</i> |

359. IMPERATORIA. *Fruit* roundish, compress'd, gibbous in the middle, girt with a margin. *Petals* inflex-margin'd. *Master-wort*.

*Ostruthium.* I. IMPERATORIA.

360. SESELI. *Umbels* globular. *Involucre* with one or two leaflets. *Fruit* egg'd, striated.

- |                        |   |                         |
|------------------------|---|-------------------------|
| <i>Pimpinelloides.</i> | 1. S. stem declined, mature umbels nodding  | <i>Pimpinella-like.</i> |
| <i>montanum.</i>       | 2. S. petioles branch-bearing membranous oblong intire, stem-leaves narrowest.  | <i>mountain.</i>        |
| <i>glaucum.</i>        | 3. S. petioles branch-bearing membranous oblong intire: leaflets single and two'd channel'd polish'd longer than the petiole. | <i>sea-green.</i>       |
| <i>annuum.</i>         | 4. S. petioles branchy membranous bellied end-nick'd.   | <i>annual.</i>          |
| <i>Ammoides.</i>       | 5. S. radical leaves with imbricated leaflets.  | <i>Ammi-like.</i>       |
| <i>tortuosum.</i>      | 7. S. stem high rigid, leaflets linear fascicled.   | <i>twisting.</i>        |
| <i>Tarbit.</i>         | 8. S. universal involucre one-leaved, seeds striated vilous styled.   |                         |

9. S.

- Hippomara-thrum.* 9. S. involucels conjoin-one-leaved. *Horfe-fennel.*
- pyrenæum.* 10. S. leaves double-feather'd: leaflets gash'd acute, involucels bristly, longer than the umbellet. *pyrenean.*
- saxifragum.* 11. S. stem thread-form divaricated, leaves thrice-three'd linear, umbels mostly six-cleft. *saxifrage.*
- elatum.* 12. S. stem elongated with callous knots, leaves twice feather'd; feathers linear distant. *lofty.*

361. THAPSIA. *Fruit* oblong, girt with a membrane.

- villosa.* 1. T. leaflets too, h'd villous coadjoin'd at the base. *villous.*
- foetida.* 2. T. leaflets many-cleft narrow'd at the base. *fetid.*
- Asclepium.* 3. T. leaves finger'd. leaflets twice-feather'd bristle-many-cleft.
- garganica.* 5. T. leaves feather'd: leaflets many-cleft: divisions lanced. *garganic.*
- trifoliata.* 4. T. leaves three'd egg'd. *three-leaved.*

362. PASTINACA. *Fruit* elliptic, flat-compress'd. *Petals* involute, intire. *Parsnep.*

- lucida.* 3. P. leaves simple hearted lobed lucid acutely notch'd. *lucid.*
- fativa.* 1. P. leaves simply wing'd. *cultivated.*
- Opoponax.* 2. P. leaves feather'd, leaflets gash'd at the anterior base.

363. SMYRNIUM. *Fruit* oblong, striated. *Petals* pointed, keel'd. *Alexanders.*

- perfoliatum.* 1. S. stem-leaves simple stem-clasping. *stem-pierced.*
- ægyptiacum.* 2. S. floral leaves two fold simple hearted most intire. *egyptian.*
- Olusatrum.* 3. S. stem-leaves three'd petioled saw'd.
- aureum.* 4. S. leaves feather'd saw'd: the posterior ones three'd: all the florets sessile. *golden.*
- integerrimum.* 5. S. stem-leaves thrice-three'd most intire. *most intire.*

228. FIVE MALES. TWO FEMALES. Anthemum.

364. ANTHEMUM. *Fruit* somewhat egg'd, compress'd, striated. *Petals* involute intire.

*graveolens.* 1. A. fruit compress'd. *Strong-scented.*  
*segetum.* A. stem-leaves three, fruit oval. *corn.*  
*Feniculum.* 2. A. fruit egg'd. *Fennel.*

365. CARUM. *Fruit* egg-oblong, striated. *Involucre* one-leaved. *Petals* keel'd, inflex-end-nick'd.

*Carui.* 1. CARUM. *Carui.*

366. PIMPINELLA. *Fruit* egg-oblong. *Petals* inflected. *Stigma* subglobular.

*Saxifraga.* 1. P. leaves feather'd: radical leaflets roundish; upper ones linear. *Saxifrage.*  
*magna.* P. leaflets all lobed: with the third lobe unequal. *great.*  
*glauca.* 2. P. leaves superdecompounded, stem angled most branchy. *sea-green.*  
*peregrina.* 3. P. radical leaves feather'd notch'd: the upper ones wedge-form gash'd, the mature umbels nodding. *foreign.*  
*Anisum.* 4. P. radical leaves three-cleft gash'd *Anise.*  
*dichotoma.* 5. P. peduncles leaf-oppoſed, leaves flower-bearing thrice-cleft, petioles wing-membraned. *two-fork'd.*  
*dioica.* P. dwarf, umbels most numerous compound and simple. *two-house.*

367. APIUM, *Fruit* egg'd, striated. *Involucre* 1-leaved. *Petals* equal.

*Petroselinum.* 1. A. stem-leaves linear, involucels minute. *Parsely.*  
*graveolens.* 2. A. stem-leaves wedge-form. *strong-scented.*

368. ÆGOPODIUM. *Fruit* egg-oblong, striated.

*Podagraria.* 1. Æ. upper stem-leaves three'd. *Gout-weed.*

1375. MELODINUS. *contorted*. Berry 2-cell'd many-seeded. *Throat of the Corol crown'd*. S.

*scandens*. MELODINUS. S. *climbing*.

1376. RUSSELIA. *Calyx* five-leaved. *Petals* five above. *Capsule* one-cell'd many-seeded. S.

*capensis*. RUSSELIA. S. *cape*.

1377. COPROSMA. *Hermaphrodite*: *Calyx* five-parted. *Corol* five or seven-cleft. *Stamens* five to seven. *Styles* two, long. *Berry* two-seeded. *Seeds* two, flattish. S.

*lucida*. C. peduncles compound. S. *lucid*.  
*foetidissima*. C. flowers solitary. S. *most fetid*.

1378. CUSSONIA. *Petals* five three-corner'd. *Margin of the Receptacle* dilated into a five-tooth'd calyx. S.

*thyrsiflora*. C. leaves finger'd. leaflets sessile wedge-form lop'd three-tooth'd, flowers racemed. S. *thyrsiflower'd*.

*spicata*. C. leaves finger'd: leaflets petioled spatuled: the ligule three or five-handed sharply saw'd; flowers spiked. S. *spiked*.

## T H R E E F E M A L E S .

*(Trigynia.)*369. RHUS. *Cal.* 5-parted. *Petals* 5. *Berry*  
one-seeded. *Sumach.*

- Coriaria.* 1. R. leaves feather'd obtusifshly saw'd oval villous under-  
neath. *Tanners.*
- typhinum.* 2. R. leaves feather'd sharply saw'd lanced downy under-  
neath.
- javanicum.* 3. R. leaves feather'd egg'd pointed saw'd' downy under-  
neath. *java.*
- glabrum.* 4. R. leaves feather'd saw'd lanced, naked on both sides.  
*smooth.*
- vernix.* 5 R. leaves feather'd most intire annual opaque, petiole  
intire equal. *vernish.*
- succedaneum.* R. leaves feather'd most intire perennial lucid : petiole  
intire equal. *succedaneous.*
- Coppallinum.* 6. R. leaves feather'd most intire, petiole membrana-  
ceous jointed. *Copal.*
- Metopium.* 7. R. leaves feather'd fived most intire roundish smooth.
- radicans.* 8. R. leaves three'd : leaflets petioled egg'd naked most  
intire, stem rooting. *rooting.*
- Toxicoden-* 9. R. leaves three'd : leaflets petioled angled pubescent,  
*dron.* stem rooting.
- Caminia.* 10. R. leaves three'd : leaflets petioled egg'd downy under-  
neath, most remotely saw'd.
- Cobbe.* 12. R. leaves three'd : leaflets egg'd pointed saw'd, pe-  
duncles downy.
- tomentosum.* 11. R. leaves three'd : leaflets subpetioled with angled  
rhombs, downy underneath. *downy.*
- angustifo-* 13. R. leaves three'd : leaflets petioled linear-lanced most  
*lium.* intire, downy underneath. *narrow-leaved.*
- laevigatum.* 16. R. leaves three'd : leaflets sessile lanced polish'd.  
*polish'd.*
- Cotinus.* 15. R. leaves simple somewhat-egg'd.
- villosum.* R. stem pubescent, leaves three'd : leaflets sessile  
egg'd intire pubescent-villous. *S. villous.*
- incisum.* R. leaves three'd : leaflets sessile wedge-form gash-  
feather-cleft downy underneath veiny, calyxes  
downy. *S. gash'd.*

- cuneifolium.* R. leaves three'd: leaflets sessile wedgeform most smooth seven tooth'd: teeth dagger'd. S. *wedge-leaved.*
- pauciflorum.* R. leaves feather'd: leaflets alternate decurrent wedge-form saw'd at the point, panicle sessile few-flower'd. S. *few-flower'd.*
- lanceum.* R. leaves three'd: leaflets lance-awl'd elongated most smooth on each side. S. *lance.*
- cirrhifolium.* R. climbing, leaves three'd: leaflets most intire smooth. S. *tendrill-leaved.*
- tridentatum.* R. climbing, leaves three'd: leaflets hoary saw'd: the saw-teeth from three to five. S. *three-tooth'd.*
- digitatum.* R. climbing, leaves feather'd: leaflets oblong most intire most smooth. *finger'd.*

370. VIBURNUM. *Cal.* 5-parted, above. *Cor.* 5-cleft. *Berry* 1-seeded.

- Tinus.* 1. V. leaves most intire egg'd: ramifications of the veins on the under side villous-glandular.
- nudum.* 2. V. leaves most intire lance-egg'd. *naked.*
- prunifolium.* 3. V. leaves roundish notch-saw'd smooth. *plum-leaved.*
- dentatum.* 4. V. leaves egg'd, tooth-saw'd plaited. *tooth'd.*
- Lantana.* 5. V. leaves hearted saw'd vein'd downy underneath.
- acerifolium.* 6. V. leaves lobed, petioles polish'd. *maple-leaved.*
- Opulus.* 7. V. leaves lobed, petioles glandular.
- Lentago.* 8. V. leaves egg'd slightly saw'd pointed smooth, petioles margin'd waved.
- Cassinoïdes.* 9. V. leaves egg'd notch'd smooth, petioles keel'd glandulars. *Cassine-like.*
- Tinoïdes.* V. leaves elliptic smooth most intire, branches and cymes columnar shaggy. S. *Tinus-like.*
- scandens.* V. shrubby, climbing, leaves oblong saw'd, cymes terminal: with rags terminating in a very large flower. *climbing.*

371. CASSINE. *Cal.* 5-parted. *Petals* 5. *Bacca* 3-seeded.

- capensis.* C. leaves petioled saw'd egg'd obtuse, branchlets four sides. *cape.*

232. FIVE MALES. THREE FEMALES. *Cassine*.

- Peragua*. 1. C. leaves petioled saw'd elliptic sharpish branchlets two-edged.  
*barba*. C. leaves sessile saw-tooth'd heart-oblong, branchlets quadrangular.  
*Maurocenia*. 2. C. leaves sessile most intire somewhat-egg'd leathery.  
*Capensis*. C. branchlets four-sided, leaves petioled egg-oblong retuse notch'd. S. *cape*.

372. SAMBUCUS. *Cal.* 5-parted. *Cor.* 5-cleft  
*Berry* 3-seeded. *Elder*.

- Ebulus*. 1. S. cymes three-parted, stipules leafy, stem herbaceous. *Elder*.  
*canadensis*. 2. S. cymes five-parted, leaves almost five-feather'd, stem shrub-growing. *canada*.  
*nigra*. 3. S. cymes five-parted, stem tree-like. *black*.  
*racemosa*. 5. S. racemes compound egg'd, stem tree-like. *branch*.

373. SPATHELIA. *Cal.* 5-leaved. *Petals* 5.  
*Capsf.* 3-seeded, 3-cell'd. *Seed* solitary.

*simplex*, SPATHELIA. *simple*.

374. STAPHYLEA. *Cal.* 5-parted. *Petals* 5.  
*Capsules* inflated coadjoin'd. *Seeds* 2, globular with a scar. *Bladder-nut*.

- pinnata*. 1. S. leaves feather'd. *feather'd*.  
*trifolia*. 2. S. leaves three-fold. *three-leaved*.

375. TAMARIX. *Cal.* 5-parted. *Petals* 5. *Capsf.*  
 3-cell'd 3-valved. *Seed* pappous.

- gallica*. 1. T. flowers five-male. *french*.  
*germanica*, 2. T. flowers ten-male. *german*.



1299. XYLOPHYLLA. *Cal.* 5-parted, colour'd.  
*Cor.* o. *Stigma* torn. *Capsf.* 3-cell'd.  
*Seeds* double.

*longifolia.* X. leaves linear, branches four-corner'd. *long-leaved.*  
*latifolia.* X. leaves lanced, branches columnar. *broad-leaved.*

376. TURNERA. *Cal.* 5-cleft, funnel-form, the  
 exterior one 2-leaved. *Petals* 5, in-  
 serted on the Calyx. *Stigma* many-  
 cleft. *Capsf.* 1-cell'd, 3-valved.

*ulmifolia.* 1. T. flowers sessile petioled, leaves two-glanded at the  
 base. *elm-leaved.*  
*Pumilea.* 2. T. flowers sessile petioled, leaves glandless.  
*sidoides.* 4. T. peduncles axillary two-bristled, leaves egg-wedged  
 sawed. *sida-like.*  
*cistoides.* 3. T. peduncles axillary leafless, leaves sawed at top.  
*cistus-like.*

377. TELEPHIUM. *Cal.* 5-leaved. *Petals* 5,  
 inserted on the receptacle. *Capsf.* 1-  
 cell'd, 3 valved. *Orpine.*

*imperati.* 1. T. leaves alternate. *Imperatus's imperata.*  
*oppositifolia.* 2. T. leaves opposite. *opposite-leaved.*

378. CORRIGIOLA. *Cal.* 5-leaved. *Petals* 5.  
*Seed* 1, three-sided.

*litoralis.* 1. CORRIGIOLA. *strand.*

379. PHARNACEUM. *Cal.* 5-leaved. *Cor.* o.  
*Capsf.* 3-cell'd, many-seeded.

*Cerviana.* 1. P. peduncles subumbel'd lateral, equalling the linear  
 leaves.  
*Mullugo.* 3. P. peduncles one flower'd lateral, flowers the length  
 of the leaves, stem depressed.

234. FIVE MALES. THREE FEMALES. Pharnaceum.

- depressum.* P. peduncles one flower'd lateral, leaves lanced pubescent. *depressed.*
- incanum.* 2. P. common peduncles longest, leaves linear. *hoary.*
- distichum.* P. racemes two-parted winding, leaves sublinear pubescent. *two-rank'd.*
- cordifolium.* 4. P. racemes two-parted terminal, leaves inverse-heart-ed. *heart-leaved.*
- lineare.* P. umbels unequal, leaves linear, oppositions remote. S. *linear.*
- glomeratum.* P. flowers glomerated, stem winding, leaves linear. S. *glomerated.*
- quadrangulare.* P. shrubbyish, leaves linear four-faced imbricated. S. *quadrangular.*
- microphyllum.* P. downy, peduncles umbel'd, leaves egg'd columnarish obtuse interwoven with wool. S. *small-leaved.*
- dichotomum.* P. peduncles axillary elongated two-fork'd, leaves verticil'd linear. S. *two-fork'd.*
- albens.* P. common peduncles most long, leaves linear exstipuled. S. *white*
- incanum.* P. common peduncles most long, leaves linear, stipules hairy. S. *hoary.*
- serpyllifolium.* P. peduncles one flower'd, leaves egg'd. *thyme-leaved.*

380. ALSINE. *Cal.* 5-leaved. *Petals* 5, equal. *Capsf.* 1-cell'd, 3-valved. *Chickweed.*

- media.* 1. A. petals two-parted, leaves egg-hearted. *middle.*
- segetalis.* 2. A. petals intire, leaves somewhat awl'd. *corn.*
- mucronata.* 3. A. petals intire short, leaves bristly, calyxes awl'd. *dagger'd.*

381. DRYPIS. *Cal.* 5-tooth'd. *Petals* 5. *Capsf.* circumcised, 1-seeded.

- spinosa.* 1. DRYPIS. *thorny.*

382. BASELLA.

382. *BASELLA.* *Cal.* 0. *Cor.* 7-cleft : with the two opposite divisions broader, at last berried. *Seed* 1.

- |                |  |               |
|----------------|--|---------------|
| <i>rubra.</i>  | 1. B. leaves flat, peduncles simple.                             | <i>red.</i>   |
| <i>alba.</i>   | 2. B. leaves waved egg'd, peduncles simple longer than the leaf. | <i>white.</i> |
| <i>lucida.</i> | 3. B. somewhat hearted, peduncles crowded branchy.               | <i>lucid.</i> |

383. *SAROTHTA.* *Cal.* 5-parted. *Cor.* 5-petal'd. *Capsf.* 1-cell'd, 3-valved, colour'd.

*Gentianoides.* I. *SAROTHTA.* *Gentian-like.*

1379. *SEMECARPUS.* *Cor.* 5-petal'd. *Drupe* celled, 1-seeded. *S.*

*Anacardium.* *SEMECARPUS.*

## FOUR FEMALES.

(*Tetragynia.*)

384. *PARNASSIA.* *Cal.* 5-parted. *Petals* 5. *Nectaries* 5, hearted, fringed with globular tops. *Capsf.* 4-valved. *Grass of Parnassus.*

*palustris.* *PARNASSIA.* *marsh.*

385. *EVOLVULUS.* *Cal.* 5-leaved. *Cor.* 5-cleft, wheel'd. *Capsf.* 3-cell'd. *Seeds* solitary.

*nummularius.* 1. E. leaves roundish, stem creeping, flowers sessile. *money.*

236. FIVE MALES. FOUR FEMALES. *Evolvulus*.

- gangeticus*. 2. E. leaves hearted obtuse dagger'd villous petioled, stem diffuse, peduncles one-flower'd. *gangetic*.  
*alsinoides*. 3. E. leaves inverse-hearted obtuse hairy petioled, stem diffuse, peduncles three-flower'd. *alsine-like*.  
*linifolius*. 4. E. leaves lanced villous sessile erect, peduncles three-flower'd long. *flax-leaved*.  
*tridentatus*. 5. E. leaves linear-wedge-form three-spik'd tooth'd at the dilated base, peduncles one-flower'd. *three-tooth'd*.  
*emarginatus*. E. leaves kidney-form scollop'd. S. *end-nick'd*.

FIVE FEMALES.

(*Pentagynia*.)

286. ARALIA. *Involucre* to the umbellet. *Cal.* 5-tooth'd, above. *Cor.* five-petal'd. Berry 5-seeded.

- arborea*. 1. A. arboresecent, leaves simple, rays of the universal umbel one-glanded. *tree*.  
*spinosa*. 2. A. arboresecent, stem and leaves prickly. *thorny*.  
*chinensis*. 3. A. stem and petioles prickly, leaflets unarm'd villous. *china*.  
*racemosa*. 3. A. stem leafy herbaceous petioled. *racemed*.  
*nudicaulis*. 4. A. stem nakedish, leaves two-fold three'd. *naked-stem*.

338. STATICE. *Cal.* one-leaved, intire, plaited, parch'd. *Petals* 5. *Seed* 1, above. *Thrift*.

- Armeria*. 1. S. scape simple headed, leaves linear.  
*Limonium*. 2. S. scape panicled columnar, leaves polish'd nerveless, dagger'd underneath.  
*incana*. 14. S. scape panicled, leaves lanced three-nerv'd, somewhat waved dagger'd at top, branches of the panicle three-sided. *hoary*.  
*cordata*. 3. S. scape panicled, leaves spatuled retuse. *hearted*.

- reticulata.* 5. S. scape paniced prostrate, branches barren retroflex  
naked, leaves wedge-form awnless. *notted.*
- echioides.* 4. S. scape paniced columnar jointed, leaves rugged  
*echium-like.*
- speciosa.* 6. S. scape two-fork'd two-edg'd, leaves egg'd dagger'd,  
flowers aggregate. *specious.*
- tartarica.* 7. S. scape two-fork'd, leaves lanced dagger'd, flowers  
alternate, distant. *tartarian.*
- Echinus.* 8. S. scape paniced, leaves awl'd dagger'd. *Hedge-hog.*
- flexuosa.* 9. S. scape branchy, corymbes terminal, leaves nerved.  
*winding.*
- purpurata.* 16. S. stem somewhat leafy, leaves egg-wedged three-  
nerved dagger'd. *purple.*
- minuta.* 15. S. stem shrubbyish leafy, leaves crowded wedged  
rugged awnless, scapes few-flower'd. *minute.*
- suffruticosa.* 10. S. stem shrubby: naked branchy upwards, heads ses-  
sile, leaves lanced sheathing. *shrubbyish.*
- monopetala.* 11. S. stem shrubby leafy, flowers solitary, leaves lanced  
sheathing. *one-petaled.*
- aurea.* 13. S. stem shrubby leafy branchy, leaves awl'd. *golden.*
- ferulacea.* 12. S. stem shrubby branchy, branchlets imbricated,  
chaffs terminated with an hair at top. *ferulaceous.*
- pruinosa.* 17. S. stem winding branchy branny. *frosty.*
- sinuata.* 14. S. stem herbaceous, radical leaves alternately feather-  
sinuous: stem ones three-fold three-sided awl'd  
decurent. *sinuous.*
- mucronata.* S. stem curled, leaves elliptic intire, spikes one-  
rank'd. S. *dagger'd.*
- lobata.* S. leaves sinuous, stem columnar leafless. S. *lobed.*
- linifolia.* S. stem shrubby prostrate, flowers paniced one-rank'd,  
linear. *flax-leaved.*

389. LINUM. Cal. 5-leaved. Petals 5. Caps.  
5-valved, 10-cell'd. Seed solitary.  
*Flax.*

\* *With leaves alternate.*

- usitatissimum.* 1. L. calyxes and capsules dagger'd, petals notch'd,  
leaves lanced alternate, stem subsolitary. *most use-  
ful.*
- perenne.* 2. L. calyxes and capsules obtuse, leaves alternate lanced  
most intire. *perennial.*
- viscosum.* 3. L. leaves lanced hairy five-nerved. *viscous.*
4. L.

- hirsutum*. 4. L. calyxes shaggy pointed sessile alternate : branch-  
leaves opposite. *shaggy.*
- narbonense*. 5. L. calyxes pointed, leaves lanced scatter'd upright  
stem columnar, branchy at the base. *narbonne.*
- tenusifolium*. 6. L. calyxes pointed, leaves scatter'd linear-bristled rug-  
ged backwards. *slender-leaved.*
- gallicum*. 15. L. calyxes awl'd acute, leaves linear-lanced alternate,  
peduncles of the panicle two-flower'd, flowers  
subsessile. *french.*
- maritimum*. 14. L. calyxes egg'd acute awnless, leaves lanced : the  
inferiour ones opposite. *sea.*
- alpinum*. 22. L. calyxes rounded obtuse, leaves linear acutish, stems  
declined. *alpine.*
- austriacum*. 7. L. calyxes rounded obtuse, leaves linear acute  
straightish. *austrian.*
- virginianum*. 8. L. calyxes acute alternate, capsules awnless, panicle  
thread-form, leaves alternate lanced : the radi-  
cal ones egg'd. *virginian.*
- flavum*. 9. L. calyxes fine-saw-rugged lanced subsessile, panicle  
with branches two-fork'd. *yellow.*
- strictum*. 10. L. calyxes awl'd, leaves lanced upright dagger'd :  
rugged in the margin. *upright.*
- suffruticosa*. 11. L. leaves linear acute rugged, stems shrubbyish.  
*shrubbyish.*
- arborescens*. 12. L. leaves wedge-form, stems arborescent. *tree.*
- campanulatum*. 13. L. the base of the leaves pointed glanded on both sides.  
*bell'd.*

\* \* *With leaves opposite.*

- africanum*. 16. L. leaves opposite linear lanced, flowers terminal  
peduncled. *african.*
- nodiflorum*. 17. L. leaves flower-bearing opposite lanced, flowers al-  
ternate sessile, calyxes the length of the leaves.  
*knot-flowered.*
- catharticum*. 18. L. leaves opposite egg-lanced, stem two-fork'd, co-  
rols acute. *cathartic.*
- Radiola*. 19. L. leaves opposite, stem two-fork'd, flowers four-male  
four-female.
- quadrifolium*. 20. L. leaves four-fold. *four-leaved.*
- verticillatum*. 21. L. leaves verticil'd. *verticil'd.*

390. ALDROVANDA. *Cal.* 5-cleft. *Petals* 5.  
*Capsl.* 5-valved, 1-cell'd, 10-seeded.

*vesiculosa.* 1. ALDROVANDA. *bladder'd.*

391. DROSERA. *Cal.* 5-cleft. *Petals* 5. *Capsl.*  
1-cell'd: 5-valved at top. *Seeds* very  
numerous. *Sun-dew.*

*rotundifolia.* 1. D. scapes radicated, leaves orbicular. *round-leaved.*

*longifolia.* 2. D. scapes radicated, leaves oval-oblong. *long-leaved.*

*capensis.* 4. D. scapes radicated, leaves lanced rugged underneath.  
*cape.*

*lusitanica.* 3. D. scapes radicated, leaves awl'd convex underneath,  
flowers ten-male. *portugal.*

*cistiflora.* 5. D. stems simple leafy, leaves lanced. *cistus-flower'd.*

*indica.* 6. D. stem branchy leafy, leaves linear. *indian.*

*acaulis.* D. radical flower scapeless solitary, leaves oblong. *S.*  
*stemless.*

*cuniefolia.* D. scapes radicated, leaves wedge-rounded. *wedge-*  
*leaved.*

1340. GISEKIA. *Cal.* 5-leaved. *Cor.* 0. *Capsl.*  
approximated, roundish, 1-seeded.

*pharnacioides.* GISEKIA. *pharnaceum-like.*

392. CRASSULA. *Cal.* 5-leaved. *Petals* 5. *Scales*  
5 nectar-bearing, at the base of the  
germ. *Capsl.* 5.

\* *Shrub-growing.*

*coccinea.* 1. C. leaves egg'd flat gristle-fringed conjoin-sheathing  
at the base. *scarlet.*

*cymosa.* C. leaves linear gristle-fringed sheathing, stem shrub-  
by, cyme terminal. *cymed.*

*flava.* 19. C. leaves flat conjoin-leaf-pierced polish'd, flowers  
corymbe-panicled. *yellow.*

20. C.

- pruinosa*. 20. C. leaves awl'd frost-rugged, flowers corymb'd, stem shrubby. *frosty.*
- fabra*. 11. C. leaves opposite expanding conjoin'd rugged fringed, stem rugged backwards. *rugged.*
- perfoliata*. 2. C. leaves lance-awl'd sessile conjoin'd channel'd: convex underneath. *leaf-pierced.*
- frutiosa*. 20. C. leaves opposite awl'd acute expanding subrecurvate, stem shrubby. *shrubby.*
- tetragona*. 4. C. leaves awl'd subincurved obscurely four-corner'd expanding, stem erect arboresecent rooting. *four-corner'd.*
- obvoluta*. 21. C. leaves opposite sublanced knife'd approximated. *fortified.*
- cultrata*. 9. C. leaves opposite shrubby egg'd most intire somewhat knife'd oblique: the pairs conjoin'd remote. *knife'd.*
- dichotoma*. C. leaves conjoin'd column-awl'd intire remote, stem shrubby erect branchy, corymbe compound. *S. two-fork'd.*
- pinnata*. C. leaves feather'd, stem arboresecent. *S. feather'd.*

\* \* *Herbaceous.*

- spinosa*. C. stem most simple, leaves dagger'd, flowers sessile lateral. *thorny.*
- centauroides*. 5. C. stem herbaceous cross-arm'd, leaves hearted, sessile peduncles one-flower'd. *centaury-like.*
- dichotoma*. 6. C. stem herbaceous two-fork'd, leaves egg-lanced, peduncles one-flower'd. *two-fork'd.*
- glomerata*. 21. C. stem herbaceous two-fork'd rugged, leaves lanced, the ultimate flowers fascicled. *glomerated.*
- strigosa*. 7. C. stem herbaceous erect two-fork'd, leaves inverse-egg'd lance-prickled, peduncles one-flower'd. *lance-prickled.*
- muscosa*. 8. C. stem herbaceous prostrate, leaves opposite egg'd gibbous imbricated, flowers sessile solitary. *mossy.*
- ciliata*. 10. C. leaves opposite oval flattish distinct fringed, corymbes terminal. *fringed.*
- punctata*. 14. C. leaves opposite egg'd dotted fringed: the inferiour ones long. *dotted.*
- subulata*. 3. C. leaves awl'd columnar expanding, stem herbaceous. *awl'd.*
- alternifolia*. 12. C. leaves saw-tooth'd flat alternate, stem most simple, flowers pendulous. *alternate-leaved.*



- rubens.* 18. C. leaves spindle-form subdepress'd, cyme four-cleft leafy, flowers sessile, stamens reflex. *blushing.*
- verticillata.* C. stem herbaceous, leaves expanding, flowers verticil'd awn'd. *verticil'd.*
- nudicaulis.* 13. C. leaves awl'd radical, stem naked. *naked-stem.*
- orbicularis.* 15. C. sarments proliferous leafy at the ends, leaves most expanding imbricated. *orbicular.*
- pellucida.* 16. C. stem flaccid creeping, leaves opposite. *pellucid.*
- barbata.* C. leaves conjoin'd jointed bearded hemispherical imbricated, stem roundish, flowers verticil'd. *S. bearded.*
- dichotoma:* C. leaves conjoin'd column-awl'd entire remote, stem shrubby erect branchy, corymbe compound, *two-fork'd.*
- argentea.* C. leaves conjoin'd egg'd intire silvery, stem cover'd, corymbe superdecompound. *S. silver.*
- vestita.* C. leaves conjoin'd delta-like obtuse, stem cover'd, flowers terminal headed. *S. cloath'd.*
- corallina.* C. leaves conjoin'd delta-like obtuse, stem cover'd, flowers umbell'd. *S. coralline.*
- retroflexa.* C. leaves conjoin'd oblong remote flat, stem simple, cyme compound, pedicels retrofracted. *S. retro-flected.*
- deltoides.* C. leaves conjoin'd delta-like expanded pointed, stem cover'd, flowers corymbed. *S. delta-like.*
- cordata.* C. leaves petioled hearted, stem leafy, flowers terminal solitary peduncled. *S. hearted.*
- montana.* C. leaves conjoin'd egg'd acute fringed, stem naked-ish, flowers aggregate. *S. mountain.*
- mollis.* C. leaves conjoin'd column-three-sided smooth soft, stem simple erect, corymbed three-fork'd or above compound. *S. soft.*
- crenulata.* C. leaves conjoin'd lanced dot-notchletted, stem leafy, corymbe decompound. *S. notchletted.*
- alpestris.* C. leaves conjoin'd egg'd acute four-ways imbricated, heads peduncled, stem leafy. *S. alpine.*
- pyramidalis.* C. leaves conjoin'd egg'd obtuse four-ways incumbent, heads sessile. *S. pyramidal.*
- spicata.* C. leaves conjoin'd linear-awl'd, scape nakedish, spike verticil'd: the inferiour verticils more remote. *S. spiked.*
- turrita.* C. leaves conjoin'd four-ways imbricated egg-oblong acute fringed. *S. tower'd.*
- rupestris.* C. leaves conjoin'd egg'd intire smooth, corymbe superdecompound. *S. rock.*

242. FIVE MALES. FIVE FEMALES. *Crassula*.

- thyrsiflora*. C. leaves leaf-pierced egg'd fringed expanded, corymbe compound attenuated. S. *thyrsiflora* er'd.
- capitella*. C. leaves conjoin'd oblong gristle-fringed expanded, heads verticil'd. S. *headletted*.
- pubescens*. C. leaves conjoin'd egg'd acute villous, stem branchedy, flowers corymbed. S. *pubescent*.
- cephalophora*. C. leaves conjoin'd linear-oblong obtuse intire, lateral heads peduncled. S. *head-bearing*.
- tomentosa*. C. villous-rugged, leaves conjoin'd lanced villous fringed, stem nakedish terminated by a verticil'd spike. S. *downy*.
- Cotyledonis*. C. leaves conjoin'd oblong downy fringed, stem nakedish, flowers corymbed aggregate. S. *Cotyledon*.
- teeta*. C. leaves conjoin'd egg'd obtuse ash-foldletted, scape naked, head terminal. S. *cover'd*.
- perforata*. C. leaves opposite-leaf-pierced egg'd, stem simple, flowers peduncle-subverticil'd. S. *perforated*.
- columnaris*. C. stem an inch long, leaves round imbricated, fascicle roundish terminal. S. *columnar*.
- pinnata*. C. leaves feather'd stem arborefcient. *feather'd*.

1255. MAHERNIA. *Cal.* 5-tooth'd. *Petals* 5. *Nectaries* 5, inverfe - hearted, placed under the filaments. *Caps.* 5-cell'd.

- verticillata*. 1. M. leaves verticil'd linear. *verticil'd*.
- pinnata*. 2. M. leaves three-part-feathercleft. *feather'd*.

393. SIBBALDIA. *Cal.* 10-cleft. *Petals* 5, inserted on the calyx. *Styles* from the side of the Germ. *Seeds* 5.

- procumbens*. 1. S. leaflets three-tooth'd. *procumbent*.
- erecta*. 2. S. leaflets linear many-cleft. *erect*.
- Altaica*. S. leaves three-pik'd, flowers singular. S.

PENTANDRIA. PENTAGYNIA. Commerfonia. 243.

1380. COMMERSONIA. *Cal.* 1-leaved, corol-  
bearing. *Petals* 5. *Nectaries* 5-parted.  
*Caps.* 5-cell'd hedgehog'd. *S.*

*echinata.* COMMERSONIA.

*hedge-hog'd.*

M A N Y F E M A L E S.

(*Polygynia.*)

394. MYOSURUS. *Cal.* 5-leaved, growing to  
the base. *Nectaries* 5, awl'd, petal-  
form. *Seeds* numerous.

*minimus.* 1. MYOSURUS.

*minute fl.*

C L A S S.



C L A S S VI.

S I X M A L E S.

(Hexandria.)

O N E F E M A L E.

( Monogynia. )

\* Flowers calyced furnish'd with calyx and corol.

- 1384 DUROIA. Cor. 1-petal'd. Cal. above, cylindric, lop'd.  
Pome hispid. S.
- 395 BROMELIA. Cor. 3-parted. Cal. 3-parted, above. Berry.
- 397 TILLANDSIA. Cor. 3-petal'd. Cal. 3-parted, beneath.  
Seeds pappus'd.
- 397 BURMANNIA. Cor. 3-petal'd. Cal. 1-leaved, beneath,  
threefide-wing'd, colour'd.
398. TRADESCANTIA. Cor. 3-petal'd. Cal. 3-leaved, beneath,  
Filaments bearded.
- 440 BURSERIA. Cor. 3-petal'd. Cal. 3-leaved, beneath.  
Caps. berried, one-seeded.
- 445 FRANKENIA. Cor. 5-petal'd. Cal. 1-leaved, beneath. Caps.  
1-cell'd, many-seeded.
- 443 LORANTHUS. Cor. 6-parted. Cal. margin above. Berry  
1-seeded.
- 444 HILLIA. Cor. 6-cleft. Cal. six-leaved, above. Fruit  
2-cell'd, many-seeded.
- 439 RICARDIA. Cor. 6-cleft. Cal. 6-cleft, above. Seeds 3,  
naked.
- 442 BERBERIS. Cor. 6-petal'd. Cal. 6-leaved, beneath.  
Berry 2-seeded.

423 LEONTICE.

- 423 LEONTICE. *Cor.* 6-petal'd. *Cal.* 6-leaved, beneath. *Berry* inflated.
- 441 PRINOS. *Cor.* 6-cleft. *Cal.* 6-cleft, beneath. *Berry* 6-seeded.
- 1301 CANARINA. *Cor.* 6-cleft. *Cal.* 6-leaved, above. *Caps.* 6-cell'd.
- 438 ACHRAS. *Cor.* 12-cleft. *Cal.* 6-leaved, beneath. *Berry* 12-seeded.

\* *Portlandia* six-male. *Some Lythra.*

*Fumaria Cucullaria.*

\*\* *Flowers spathed or glumed.*

- 400 HAEMANTHUS. *Cor.* above, 6-parted. *Involucre* 6-leaved, greatest.
- 402 LEUCOJUM. *Cor.* above, 6-petal'd, bell'd. *Stamens* equal.
- 401 GALANTHUS, *Cor.* above, 6-petal'd: the 3 inferior petals shorter, end-nick'd.
- 403 NARCISSUS. *Cor.* above, 6-petal'd. *Nectary* bell'd, on the outside of the stamens.
- 404 PANCRATIUM. *Cor.* above, 6-petal'd. *Nectary* bell'd, terminated by the stamens.
- 406 AMARYLLIS. *Cor.* above, 6-petal'd, bell'd. *Stamens* unequal.
- 405 CRINUM. *Cor.* above, 6-cleft, tubular at the base. *Stamens* distant.
- 399 PONTEDERIA. *Cor.* above, 6-cleft, grinning,
- 407 BULBOCODIUM. *Cor.* beneath, 6-petal'd: with claws most long stamen-bearing.
- 1300 TULBAGIA. *Cor.* beneath, 6-petal'd: with three inferior. *Nectary* cylindric, petal-bearing on the outside.
- 409 ALLIUM. *Cor.* beneath, 6-petal'd. *Petals* egg'd sessile.
- 438 APHYLLANTHES. *Cor.* beneath, 6-petal'd. *Spathes* halved, glumed.
- 431 HYPOXIS. *Cor.* above, 6-petal'd. *Spathes* glumed.
- 1383 EHRHARTA. *Cor.* Glume double. *Nectary* two membranes. *S.*

\*\*\* *Flowers naked.*

- 432 ALSTROEMERIA. *Cor.* above, 6-petal'd with 2 tubular claws.
- 433 HEMEROCALLIS. *Cor.* beneath, 6-parted. *Stamens* declining.

431 AGAVE.

- 431 AGAVE. *Cor.* above, 6-cleft, with an erect border, shorter than the Filaments.
- 430 ALOE. *Cor.* beneath, 6-cleft. *Filaments* inserted on the receptacle.
- 428 ALETRIS. *Cor.* beneath, 6-cleft, wrinkled.
- 426 POLIANTHES. *Cor.* beneath, 6-cleft: with a curved tube.
- 425 CONVALLARIA. *Cor.* beneath, 6-cleft. *Berries* 3-seeded.
- 427 HYACINTHUS. *Cor.* beneath, 6-cleft. Three honey-bearing pores at the top of the *Germ.*
- 421 ASPHODELUS. *Cor.* beneath, 6-parted: with 6 itamen-bearing valvelets of the nectary.
- 422 ANTHERICUM. *Cor.* beneath, 6-petal'd, fla.
- 418 ORNITHOGALUM. *Cor.* beneath, 6-petal'd. The alternate *Filaments* dilated at the base.
- 429 SCILLA. *Cor.* beneath, 6-petal'd, deciduous. *Filaments* thread-form.
- 420 CYANELLA. *Cor.* beneath, 6-petal'd: the exterior petals hanging forward.
- 1256 DRACÆNA. *Cor.* beneath, 6-petal'd. *Berry* 4-seeded.
- 424 ASPARAGUS. *Cor.* beneath, 6-petal'd. *Berry* 6-seeded.
- 413 GLORIOSA. *Cor.* beneath, 6-petal'd, reflected, tail'd.
- 414 ERYTHRONIUM. *Cor.* beneath, 6-petal'd, reflected with two petals callous at the base.
- 412 UVULARIA. *Cor.* beneath, 6-petal'd, with a nectar-bearing hole at the base; erect.
- 411 FRITILLARIA. *Cor.* beneath, 6-petal'd, with a nectar-bearing hole at the base; egg'd.
- 410 LILIUM. *Cor.* beneath, 6-petal'd. the petals channel-tubular at the base.
- 415 TULIPA. *Cor.* beneath, 6-petal'd, bell'd. *Style* none.
- 429 YUCCA. *Cor.* beneath, 6-petal'd, expanding. *Style* o.
- 416 ALBUCA. *Cor.* beneath, 6-petal'd. *Stamens* 3, barren. *Stigma* girt wth three pikes.
- 1381 MASSONIA. *Cor.* 6-petal'd, inserted on the nectary. *Nectary* beneath. *S.*
- 590 GETHYLLIS. *Cor.* above, 6-parted. *Cal.* o. *Berry.* *S.*
- 1382 PHORMIUM. *Cor.* 6-petal'd: the three exterior petals shorter. *S.*

\* *Flowers incomplete*

- 435 ORONTIUM. *Spadix* many-flower'd. *Follicle* one-seeded.
- 434 ACORUS. *Spadix* many-flower'd. *Capf.* 3-cell'd.
- 436 CALAMUS. *Cal.* 6-leaved. *Pericarp* imbricated backwards, 1-seeded.

437. JUNCUS.

- 437 JUNCUS. Cal. 6-leaved. Caps. 1-cell'd.  
 446 PEPLIS. Cal. 12-cleft. Caps. 2-cell'd.

T W O F E M A L E S.

(*Digynia.*)

- 449 ATRAPHAXIS. Cal. 2-leaved. Cor. 2-petal'd. Seed 1, compressed.  
 448 ORYZA. Glume 1-flower'd. Cor. with 2 Glumes. Seed 1, oblong.  
 1385 FALKIA. Cal. 1-leaved. Cor. 1-petal'd. Seeds 4. S.  
 1386 GHANIA. Stamens 6. Stigma two-fork'd. S.

T H R E E F E M A L E S.

(*Trigynia.*)

\* *Flowers beneath.*

- 457 COLCHICUM. Cal. spathe. Cor. 6-petal-like.  
 454 MELANTHIUM. Cal. o. Cor. 6-petal'd: the petals stamen-bearing.  
 455 MEDEOLA. Cal. o. Cor. 6-petal'd. Berry 3-grain'd.  
 458 HELONIAS. Cal. o. Cor. 6-petal'd. Caps. 3-cell'd.  
 456 TRILLIUM. Cal. 3-leaved. Cor. 3-petal'd. Berry 3-cell'd.  
 453 TRIGLOCHIN. Cal. 3-leaved. Cor. 3-petal'd. Caps. gaping at the base.  
 451 RUMEX. Cal. 3-leaved. Cor. 3-petal'd. Seed 1, 3-fided.  
 452 SCHEUCHZERIA. Cal. 6-leaved. Cor. o. Pericarp 1-feeded.

\* *Flowers above.*

- 450 FLAGELLARIA. Cal. 6-leaved. Cor. o. Pericarp 1-feeded.

## F O U R F E M A L E S .

*(Tetragynia.)*

459 PETIVERIA.      *Cal.* 4-leaved.    *Cor.* 0.    *Seed* 1, with hook'd awns.

## M A N Y F E M A L E S .

*(Polygynia.)*

460 ALISMA.      *Cal.* 3-leaved.    *Cor.* 3-petal'd.    *Pericarps* numerous.



ONE FEMALE.

(*Monogynia.*)

395. BROMELIA. *Cal.* 3-cleft, above. *Petals* 3: with a nectar-baring *Scale* at the base of the Petal. *Berry* 3-cell'd.

- |                    |   |                    |
|--------------------|---|--------------------|
| <i>Ananas.</i>     | 1. B. leaves fringe-thorn'd dagger'd, spike tufted.                     |                    |
| <i>Pinguin.</i>    | 2. B. leaves fringe-thorn'd dagger'd, raceme terminal.                  |                    |
| <i>Karatas.</i>    | 3. B. leaves erect, flowers stemless sessile aggregate.                 |                    |
| <i>lingulata.</i>  | 4. B. leaves saw-thorn'd obtuse, spikes alternate. <i>tongued.</i>      |                    |
| <i>nudicaulis.</i> | 5. B. radical leaves tooth-thorn'd; stem leaves most intire.            | <i>naked-stem.</i> |
| <i>humilis.</i>    | 6. B. nearly stemless, flowers aggregate sessile, axils stolon-bearing. | <i>humble.</i>     |
| <i>Acanga.</i>     | 7. B. panicle diffuse, leaves fringe-thorn'd dagger'd recurved.         |                    |

396. TILLANDSIA. *Cal.* 3-cleft, permanent. *Cor.* 3-cleft, bell'd. *Caps.* 1-cell'd. *Seed* pappus'd.

- |                     |   |                        |
|---------------------|---|------------------------|
| <i>utriculata.</i>  | 1. T. culm paniced.   | <i>bladder'd.</i>      |
| <i>ferrata.</i>     | 2. T. leaves saw-thorn'd above, spike tufted.                                   | <i>saw'd.</i>          |
| <i>lingulata.</i>   | 3. T. leaves lance-tongued most intire bellied at the base.                     | <i>tongued.</i>        |
| <i>tenuifolia.</i>  | 4. T. leaves thread-form most intire, spike simple loose.                       | <i>slender-leaved.</i> |
| <i>paniculata.</i>  | 5. T. radical leaves most short, stem nakedish, branches subdivided ascending.  | <i>paniced.</i>        |
| <i>polystachya.</i> | 6. T. culm with spikes intricated lateral.                                      | <i>many-spiked.</i>    |
| <i>monostachya.</i> | 7. T. leaves linear channel'd reclin'd, column simple imbricated, spike simple. | <i>one-spiked.</i>     |
| <i>recurvata.</i>   | 8. T. leaves awl'd rugged reclin'd, culms one-glume two-flower'd.               | <i>recurvate.</i>      |
| <i>usneoides.</i>   | 9. T. thread-form branchy writhed rugged.                                       | <i>usnea-like.</i>     |

250. SIX MALES. ONE FEMALE. Burmannia.

397. BURMANNIA. *Cal.* prismatic, colour'd, 3-cleft: with membranous angles. *Petals* 3. *Capsf.* 3-cell'd, straight. *Seeds* minute.

*disticha.* 1. B. spike double. *two-rank'd.*  
*biflora.* 2. B. flower double. *two-flower'd.*

398. TRADESCANTIA. *Cal.* 3-leaved. *Petals* 3. *Filaments* with jointed hairs. *Capsf.* 3-cell'd.

*virginica.* 1. T. erect polish'd, flowers collected. *virginian.*  
*malabarica.* 2. T. erect polish'd, peduncles solitary longest. *malabar.*  
*nervosa.* T. scape one-flower'd. *nerved.*  
*geniculata.* 3. T. procumbent-flaggy. *knotted.*  
*axillaris.* T. stem branchy, flowers sessile lateral. *axillary.*  
*criflata.* 4. T. creeping polish'd, spathes two-leaved imbricated. *crested.*  
*papilionacea.* 5. T. creeping polish'd, spathes three-leaved imbricated. *papilionaceous.*  
*speciosa.* T. leaves opposite conjoin'd. *specious.*

399. PONTEDERIA. *Cor.* 1-petal'd, 6-cleft, two-lip'd. *Stamens* 3 inserted at top, 3 on the tube of the *Corol.* *Capsf.* 3-cell'd.

*ovata.* 1. P. leaves egg'd, flowers headed. *egg'd.*  
*vaginalis.* P. leaves hearted, raceme bowing. *sheath'd.*  
*urdata.* 2. P. leaves hearted, flowers spiked. *hearted.*  
*hastata.* 3. P. leaves halberted, flowers umbel'd. *halberted.*  
*rotundifolia.* P. leaves orbicular-hearted. *round-leaved.*

400. HAEMANTHUS. *Involucre* 6-leaved, many-flower'd. *Cor.* 6-parted, above. *Berry* 3-cell'd.

*coccineus.* 1. H. leaves tongue-form flat polish'd. *scarlet.*  
*ciliaris.* 2. H. leaves tongue-form fringed. *fringed.*

3. H,

- |                   |    |                                    |                   |
|-------------------|----|------------------------------------|-------------------|
| <i>punicus.</i>   | 3. | H. leaves lance-egg'd waved erect. | <i>red.</i>       |
| <i>carinatus.</i> | 4. | H. leaves linear keel'd.           | <i>keeled.</i>    |
| <i>pubescens.</i> |    | H. leaves tongue-form villous. S.  | <i>pubescent.</i> |

401. GALANTHUS. *Petals* 3, concave. *Nectary* from three small, end-nicked petals. *Stigma* simple. *Snowdrop.*

- |                 |    |            |               |
|-----------------|----|------------|---------------|
| <i>nivalis.</i> | I. | GALANTHUS. | <i>snowy.</i> |
|-----------------|----|------------|---------------|

402. LEUCOJUM. *Cor.* bell-form, 6-parted, thicken'd at the tops. *Stigma* simple.

- |                   |    |   |                  |
|-------------------|----|---|------------------|
| <i>vernum.</i>    | I. | L. spathe one-flower'd, styles club'd.      | <i>vernal.</i>   |
| <i>aestivum.</i>  | A. | L. spathe many-flower'd, style club'd.      | <i>summer.</i>   |
| <i>autumnale.</i> | 2. | L. spathe many-flower'd, style thread-form. | <i>autumnal.</i> |

1300. TULBAGIA. *Cor.* funnel-form. *Border* 6-cleft. *Nectary* crowning the throat, 3-leaved with leaflets two-cleft the size of the border. *Caps.* above.

- |                  |    |                              |                 |
|------------------|----|------------------------------|-----------------|
| <i>aliacea.</i>  | T. | leaves nearly threadform. S. | <i>garlick.</i> |
| <i>cepeacea.</i> | T. | leaves lance-linear. S.      | <i>onion.</i>   |

403. NARCISSUS. *Petals* 6, equal: *Nectary* funnel-form, 1-leaved. *Stamens* within the *Nectary.*

- |                    |    |   |                        |
|--------------------|----|---|------------------------|
| <i>poëticus.</i>   | I. | N. spathe one-flower'd, nectary wheel'd shortest parch'd fine-notch'd.  | <i>poetic.</i>         |
| <i>Pseudo-Nar-</i> | 2. | N. spathe one-flower'd, nectary bell'd erect curl'd equalling the petals egg'd.                                 | <i>false-narcissus</i> |
| <i>cissus.</i>     |    |   |                        |
| <i>bicolor.</i>    | 3. | N. spathe one-flower'd, nectary bell'd, margin expanded curl'd equalling the petals. <i>two-colour'd.</i>       |                        |
| <i>minor.</i>      | 4. | N. spathe one-flower'd, nectary inverse-conic erect curl'd six-cleft, equalling the lanced petals. <i>lefs.</i> |                        |
| <i>moschatus.</i>  | 5. | N. spathe one-flower'd, nectary cylindric lop'd somewhat scollop'd, equalling the oblong petals. <i>musk.</i>   |                        |

252. SIX MALES. ONE FEMALE. Narcissus.

- triandrus.* 9. N. spathe mostly one flower'd, nectary bell'd notch'd shorter by half than the petals, stamens three-fold. *three-male.*
- orientalis.* N. spathe mostly two-flower'd, nectary bell'd three-cleft end-nick'd three times shorter than the petals. *oriental.*
- trilobus.* 10. N. spathe mostly many-flower'd, nectary bell'd somewhat three-cleft most intire shorter by half than the petals. *three-lobed.*
- odorus.* 8. N. spathe mostly two-flower'd, nectary bell'd six-cleft polish'd shorter by half than the petals, leaves femicylindric. *odorous.*
- calathinus.* 6. N. spathe many-flower'd, nectary bell'd subequalling the petals, leaves flat. *basketed.*
- Tazetta.* 7. N. spathe many-flower'd, nectary bell'd plaited lop'd three times shorter than the petals, leaves flat.
- Bulbocodium.* 13. N. spathe one-flower'd, nectary top-shape larger than the petals, fructification declined.
- serotinus.* 12. N. spathe one-flower'd, nectary six-parted shortest leaves awl'd. *late.*
- Jonquilla.* 11. N. spathe many-flower'd, nectary bell'd short, leaves awl'd. *Jonquil.*

404. PANCRATIUM. Petals 6. Nectary 12-cleft. Stamens placed on the Nectary.

- zeylanicum.* 1. P. spathe one-flower'd, petals reflected. *ceylon.*
- mexicanum.* 2. P. spathe two-flower'd. *mexican.*
- caribaeum.* 3. P. spathe many-flower'd, leaves lanced. *caribbean.*
- maritimum.* 4. P. spathe many-flower'd, petals flat, leaves tongued. *sea.*
- carolinianum.* 5. P. spathe many-flower'd, leaves linear, stamens the length of the nectary. *carolina.*
- illyricum.* 6. P. spathe many-flower'd, leaves sword-form, stamens longer than the nectary. *illyrian.*
- amboinense.* 7. P. spathe many-flower'd, leaves egg'd nerved petioled. *amboina.*

405. CRINUM.

405. CRINUM. *Cor.* funnel-form, one-petal'd, 6-parted: the three alternate divisions hook'd. *Germ* cover'd with the bottom of the corol. *Stamens* distant.

- latifolium.* 1. C. leaves egg-lanced pointed sessile flat. *broad-leaved.*  
*asiaticum.* 2. C. leaves keel'd. *asiatic.*  
*zeylanicum.* 4. C. leaves tooth-rugged, scape somewhat compress'd. *ceylon.*  
*americanum.* 3. C. tops of the corols hook'd inwards. *american.*  
*africanum.* 4. C. leaves sublanced flat, corols obtuse. *african.*  
*tenellum.* C. spathe many-flower'd, corols equal, leaves thread-form. *S. tender.*  
*obliquum.* C. leaves lanced oblique, divisions of the corol alternate glandular without. *S. oblique.*  
*speciosum.* C. leaves sword-form, corols bell'd: the three alternate divisions callous-claw'd. *S. specios.*  
*lineare.* C. leaves linear, corols bell'd: with two divisions narrower. *S. linear.*  
*angustifolium.* C. leaves linear obtuse, corols cylindric: the alternate divisions interglanded. *S. narrow-leaved.*

406. AMARYLLIS. *Cor.* 6-petal'd, bell'd. *Stigma* 3-cleft.

- capensis.* 1. A. spathe one-flower'd remotest, corol equal, stamens and pistil straight. *cape.*  
*lutea.* 2. A. spathe one-flower'd, corol equal, stamens upright. *yellow.*  
*Atamasco.* 3. A. spathe one-flower'd, corol equal, pistil declined.  
*formosissima.* 4. A. spathe one-flower'd, corol unequal, three petals and the fructification declined. *most beautiful.*  
*Belladonna.* 6. A. spathe many-flower'd, corols bell'd equal reflected with a claw, fructification declined.  
*regina.* 5. A. spathe many-flower'd, corols bell'd equal waved: fructification declined. *queens.*  
*undulata.* C. spathe many-flower'd, corols expanded, petals waved dagger'd dilated at the base. *waved.*  
*sarniensis.* 7. A. spathe many-flower'd, corols revolute, fructification erect. *guernsy.*  
*longifolia.* 9. A. spathe many-flower'd, corols bell'd equal, fructification declined, scape compress'd the length of the umbel. *long-leaved.*  
 10. A.

- orientalis*. 10. A. spathe many-flower'd, corols unequal, leaves tongue-form. *oriental.*
- guttata*. II. A. spathe many-flower'd, leaves fringed. *spotted.*
- disticha*. A. spathe many-flower'd, corols equal bell'd, leaves two-rank'd incumbent-expanding. S. *two-rank'd.*
- ciliaris*. A. spathe many-flower'd, corol six-parted reflected, leaves fringed. S. *fringed.*

407. BULBOCODIUM. *Cor.* funnel-form, six-petal'd: with claws narrow stamen-bearing. *Capsf.* above.

- vernum*. I. B. leaves lanced. *vernal.*

408. APHYLLANTHES. *Cor.* six-petal'd. *Filaments* inserted in the throat of the corol. *Capsf.* above. *Glumes* of the calyx one-valved imbricated.

- monspeliensis*. I. APHYLLANTHES. *montpelier.*

409. ALLIUM. *Cor.* 6-parted, expanding. *Spathe* many-flower'd. *Umbel* collected. *Capsf.* above. *Garlick.*

\* *Stem-leaves flat. Umbel capsule-bearing.*

- Ampeloprasum*. I. A. stem flat-leaved umbel-bearing, umbel globular, stamens three-piked, petals rugged on the keel.
- Porrum*. 2. A. stem flat-leaved umbel-bearing, stamens three-piked, root coated. *Leek.*
- lineare*. 3. A. stem flat-leaved umbel-bearing, umbel globular, stamens three-piked longer by half than the corol. *linear.*
- rotundum*. 4. A. stem flat-leaved umbel-bearing, stamens three-piked, umbel subglobular, flowers lateral nodding. *round.*
- Victorialis*. 5. A. stem flat-leaved umbel-bearing, umbel rounded, stamens lanced longer than the corol, leaves elliptic.

6. A.

- subbirfutum*. 6. A. stem flat-leaved umbel-bearing, the inferior leaves shaggy, stamens awl'd. *shaggyish.*
- magicum*. 7. A. stem flat-leaved umbel-bearing, branchlet bulb-bearing, stamens simple. *magic.*
- obliquum*. 8. A. stem flat-leaved umbel-bearing, stamens thread-form three-times longer than the flower, leaves oblique. *oblique.*
- ramosum*. 9. A. stem flat-leaved umbel-bearing, stamens awl'd longer, umbel globular, leaves linear subconvex. *branchy.*
- roseum*. 33. A. stem flat-leaved umbel-bearing, umbel level-top'd, petals end-nick'd, stamens shortest simple. *rose.*
- tartaricum*. A. stem flat-leaved umbel-bearing, leaves semicylindric, stamens simple, umbel flat. *S. tartarian.*

\* \* Stem-leaves flat. Umbel bulb-bearing.

- fativum*. 10. A. stem flat-leaved bulb-bearing, bulb compound, stamens three-piked. *cultivated.*
- Scorodopra-sun*. 11. A. stem flat-leaved bulb-bearing, leaves notchletted: with sheaths two-edged, stamens three-piked.
- arenarium*. 12. A. stem flat-leaved bulb-bearing, sheaths columnar, spathe awnless, stamens three-piked. *sand.*
- carinatum*. 13. A. stem flat-leaved bulb-bearing, stamens awl'd. *keel'd.*

\* \* \* Stem-leaves columnar. Umbels capsule-bearing.

- sphaerocephalon*. 14. A. stem columnar-leaved umbelliferous, leaves semicolumnar, stamens three-piked longer than the corols. *sphere-headed.*
- parviflorum*. 15. A. stem columnarish-leaved umbelliferous, umbel globular, stamens simple longer than the corol, spathe awl'd. *small-flower'd.*
- descendens*. 16. A. stem columnarish-leaved umbelliferous, exterior peduncles shorter, stamens three-piked. *descending.*
- moschatum*. 17. A. stem columnar-leaved umbelliferous, umbel level-top'd mostly six-flower'd, petals acute, stamens simple, leaves bristly. *musk.*
- flavum*. 19. A. stem columnar-leaved umbelliferous, flowers pendulous, petals egg'd, stamens longer than the corol. *yellow.*

256. SIX MALES. ONE FEMALE. *Allium*.

- pallens*. 18. A. stem columnarish-leaved umbelliferous, flowers pendulous lop'd, stamens simple equalling the corol. *pale.*
- paniculatum*. 20. A. stem columnarish-leaved umbelliferous, peduncles capillary spread out, stamens awl'd, spathe most long. *panicled.*
- vineale*. 21. A. stem columnar-leaved bulb-bearing stamens, three-piked. *wine.*
- oleraceum*. 22. A. stem columnar-leaved bulb-bearing, leaves rugged semicolumnar furrow'd underneath, stamens simple. *pot.*

\* \* \* *Leaves radical. Scape naked.*

- nutans*. 23. A. scape naked two-edged, leaves linear flat, stamens three-piked. *nodding.*
- ascalonicum*. 24. A. scape naked columnar, leaves awl'd, umbel globular, stamens three-piked. *ascalonian.*
- senescens*. 25. A. scape naked two-edged, leaves linear convex beneath polish'd, umbel roundish, stamens awl'd. *withering.*
- odorum*. 28. A. scape naked columnarish, leaves linear channelletted angular underneath, umbel level-top'd. *odorous.*
- angulorum*. 27. A. scape naked two-edged, leaves linear channelletted somewhat angular beneath, umbel level-top'd. *angular.*
- nigrum*. 26. A. scape naked columnar, leaves linear, umbel hemispherical, petals erect, spathe dagger'd two-cleft. *black.*
- canadense*. 28. A. scape naked columnar, leaves linear, head bulb-bearing. *canada.*
- ursinum*. 29. A. scape naked three-sided, leaves lanced petioled, umbel level-top'd. *bears.*
- triquetrum*. 30. A. scape naked, and leaves three-sided stamens simple. *three-sided.*
- Cepa*. 31. A. scape naked below bellied longer than the columnar leaves. *onion.*
- Moly*. 32. A. scape naked subcylindric, leaves lanced sessile, umbel level-top'd.
- fistulosum*. 34. A. scape naked equalling the columnar bellied leaves. *pipe.*
- Schoenoprasum*. 35. A. scape naked equalling the columnar awl-thread-form leaves.

A.



- sibiricum.* A. scape naked, columnar, leaves semicylindric, flaments awl'd. *siberian.*  
*tenuissimum.* 36. A. scape naked columnar empty, leaves awl'd thread-form heads loose few-flower'd. *most slender.*  
*chamæ-Moly.* 37. A. scape naked almost none, capsules bowing, leaves flat fringed.

410. LILIUM. Cor. 6 petal'd, bell'd: Line longitudinal nectar-bearing. Caps. valvelets connected with a channel'd hair. *Lily.*

- candidum.* 1. L. leaves scatter'd, corols bell'd: smooth within. *white.*  
*bulbiferum.* 2. L. leaves scatter'd, corols bell'd erect: rugged within. *bulb-bearing.*  
*pomponium.* 3. L. leaves scatter'd awl'd, flowers reflected, corols revolute. *pompony.*  
*chalcedonicum.* 4. L. leaves scatter'd lanced, flowers reflected, corols revolute. *chalcedonian.*  
*superbum.* 5. L. leaves scatter'd lanced, flowers reflected branch-pyramidal, corols revolute. *superb.*  
*Martagon.* 6. L. leaves verticil'd, flowers reflected, corols revolute.  
*canadense.* 7. L. leaves verticil'd, flowers reflected, corols revolute-bell'd. *canada.*  
*camschatcense.* 9. L. leaves verticil'd, flower erect, corol bell'd, petals sessile. *camschatca.*  
*philadelphicum.* 8. L. leaves verticil'd, flowers erect, corol bell'd, petals claw'd. *philadelphian.*

411. FRITILLARIA. Cal. 6-petal'd bell'd, above: the claws in the nectar-bearing cavity. Stam. of the length of the corol.

- imperialis.* 1. F. raceme tufted naked below, leaves most intire. *imperial.*  
*regia.* 2. F. raceme tufted naked below, leaves notch'd. *royal.*  
*nana.* F. raceme tufted, leaves two-faced stem-clasping lanced. *dwarf.*  
*persica.* 3. F. raceme nakedish, leaves oblique. *persian.*

258. SIX MALES. ONE FEMALE. *Fritillaria*.

*pyrenaica*. 4. F. lowest leaves opposite, with some flowers scattered'd amongst the leaves. *pyrenean*.

*Meleagris*. 5. F. leaves all alternate, stem one-flower'd.

412. UVULARIA. *Cor.* 6-petal'd, erect: with the hole of the *Nectary* at the base of the petal. *Filaments* most short.

*amplexifolia*. 1. V. leaves stem-clasping. *leaf-clasping*.

*perfoliata*. 2. V. leaves stem-pierced. *leaf-pierced*.

*Jessuifolia*. 3. V. leaves sessile. *sessile-leaved*.

413. GLORIOSA. *Cor.* 6-petal'd, waved, reflected. *Style* oblique.

*superba*. 1. G. leaves tendril-bearing. *superb*.

*simplex*. 2. G. leaves pointed. *simple*.

414. ERYTHRONIUM. *Cor.* 6-petal'd bell'd: the *Nectary* with two tubercles growing at the base of the alternate petals.

*Dens canis* 1. ERYTHRONIUM. *Dog tooth*.

415. TULIPA. *Cor.* 6-petal'd bell'd. *Style* none. *Tulip*.

*sylvestris*. 1. T. flower somewhat nodding, leaves lanced. *wood*.

*gesneriana*. 2. T. flower erect, leaves egg-lanced. *gesnerian*.

*breyniana*. 3. T. stem many-flower'd many-leaved, leaves linear. *breynian*.

*biflora*. T. flowers erect flattish, stem two-leaved, two or

three-flower'd, leaves linear-awl'd. *S. two-*

*flower'd*.

416. ALBUCA. *Cor.* 6-petal'd: the interior ones misshapen. *Stamens* 6: 3 castrated. *Stigma* girt with three pikes.

*major*. 1. A. leaves lanced. *greater*.

*minor*. 2. A. leaves awl'd. *less*.

A.

- spiralis.* A. flowers nodding, leaves spiral. *S.* *spiralis.*  
*viscosa.* A. flowers erect, leaves linear villous-viscous. *S.* *viscous.*

417. **HYPOXIS.** *Cor.* 6-parted, permanent, above.  
*Capsf.* narrower at the base. *Cal.*  
 glume 2-valved.

- erecta.* 1. H. hairy, capsules egg'd. *erect.*  
*decumbens.* 2. H. hairy, capsules club'd. *decumbent.*  
*fascicularis.* 3. H. tubes of the flower most long. *fascicled.*  
*sessilis.* 4. H. hairy stemless, the fructification subradical. *sessile.*  
*plicata.* H. scape one-flower'd three-sided, leaves lanced plait-  
 ed villous. *S.* *plaited.*  
*stellata.* H. scape one-flower'd, leaves linear striated, petals  
 spotted. *S.* *star.*  
*minuta.* H. leaves three-sided fleshy smooth, scape two-cleft.  
*S.* *minute.*  
*acquatica.* H. leaves linear, scapes umbel-bearing or one-flow-  
 er'd. *S.* *aquatic.*  
*ferrata.* H. leaves channel'd smooth fringe-saw'd, scapes one-  
 flower'd. *S.* *saw'd.*  
*ovata.* H. leaves egg-lanced intire smooth, scapes one-flow-  
 er'd. *S.* *egg'd.*  
*villosa.* H. leaves linear-sword-form villous, with stigma fim-  
 ple three-corner'd acute. *S.* *villous.*  
*alba.* H. leaves columnar smooth, scapes mostly two-cleft,  
 petals spotless. *S.* *white.*

418. **ORNITHOGALUM.** *Cor.* 6-petal'd, erect,  
 permanent, expanding above the mid-  
 dle. Alternate *Filaments* dilated at  
 the base.

\* *All the stamens awl'd.*

- uniflorum.* O. scape two-leaved, peduncle one-flower'd. *one-*  
*flower'd.*  
*luteum.* 1. O. scape angular two-leaved, peduncles umbel'd fim-  
 ple. *yellow.*  
*minimum.* 2. O. scape angled two-leaved, peduncles umbel'd bran-  
 chy. *smallest.*

260. SIX MALES. ONE FEMALE. *Ornithogalum*.

- pyrenaicum*. 3. O. raceme most long, filaments lanced, peduncles flower-bearing expanding equal; the fruit-bearing ones approximated to the scape. *pyrenean*.
- narbonense*. 4. O. raceme oblong, filaments lanced membranous, peduncles with expanding flowers. *narbonne*.
- latifolium*. 6. O. raceme most long, leaves lance-sword-form. *broad-leaved*.
- comosum*. 5. O. raceme most short, bractes lanced of the length of the flowers, petals obtuse, filaments awl'd. *tufted*.
- pyramidale*. 7. O. raceme conic, flowers numerous ascending. *pyramidal*.

\* \* *Alternate stamens end-nick'd.*

- arabicum*. 8. O. flowers corymbed, peduncles lower than the scape, filaments somewhat end-nick'd. *arabian*.
- umbellatum*. 9. O. flowers corymbed, peduncles taller than the scape, filaments dilated at the base. *umbel'd*.
- nutans*. 10. flowers one-rank'd pendulous, stamen-nectary bell-form. *nodding*.
- capense*. 11. O. leaves heart-egg'd. *cape*.

*From the Supplement.*

- crenulatum*. O. leaves oblong obtuse fringed, flowers racemed erect. *S. notchletted*.
- rupestre*. O. leaves thread-form fleshy, scape few-flower'd. *S. rock*.
- ciliatum*. O. leaves egg'd acute fringed, flowers racemed. *S. fringed*.
- altissimum*. O. leaves oblong obtuse smooth, raceme four feet. *S. tallest*.
- pilosum*. O. leaves linear-sword-form fringed, flowers racemed, peduncles incurved. *S. hairy*.
- circinatum*. O. white-becoming with shaggy hair, leaves linear recurved channel'd: radical leaf solitary; stem-leaves three, stem three or four-flower'd. *S. rounded*.
- bulbiferum*. O. bulbs axillary, stem many-leav'd one-flower'd. *S. bulb-bearing*.

419. SCILLA. *Cor.* 6-petal'd, expanding, deciduous. *Filaments* thread-form. *Squill.*

- |                          |  |                       |
|--------------------------|--|-----------------------|
| <i>maritima.</i>         | 1. S. flower-naked, bractes refracted.   | <i>sea.</i>           |
| <i>Lilio-hyacinthus.</i> | 2. S. root scaly.  | <i>Lily-hyacinth.</i> |
| <i>italica.</i>          | 3. S. raceme conic oblong.   | <i>italian.</i>       |
| <i>peruviana.</i>        | 4. S. corymbe crouded conic.   | <i>peruvian.</i>      |
| <i>amæna.</i>            | 5. S. flowers lateral alternate somewhat nodding, scape angled.  | <i>pleasant.</i>      |
| <i>bifolia.</i>          | 6. S. flowers erectish fewer.  | <i>two-flower'd.</i>  |
| <i>lusitanica.</i>       | 9. S. raceme oblong conic, petals lined.   | <i>portugal.</i>      |
| <i>hyacinthoides.</i>    | 10. S. raceme most long, with flowers shorter than the colour'd peduncle.                                  | <i>hyacinth-like.</i> |
| <i>autumnalis.</i>       | 7. S. leaves thread-form linear, flowers corymbed, peduncles naked ascending of the length of the flowers. | <i>autumnal.</i>      |
| <i>unifolia.</i>         | 8. S. leaf columnarish subspiked on the side.  | <i>one-leaved.</i>    |
| <i>tetraphylla.</i>      | S. stemless, flowers fascicled, leaves fourfold egg-lanced. S.   | <i>four-leaved.</i>   |
| <i>hyacinthoides.</i>    | S. raceme most long, flowers subverticil'd, peduncles expanding. S.  | <i>hyacinth-like.</i> |

420. CYANELLA. *Cor.* 6-petal'd; with the 3 inferiour petals hanging forward.

- |                  |  |                |
|------------------|--|----------------|
| <i>capensis.</i> | 1. C. leaves waved, branches most expanding. | <i>cape.</i>   |
| <i>lutea.</i>    | C. leaves sword-form, branches erect. S.     | <i>yellow.</i> |
| <i>alba.</i>     | C. leaves linear-thread-form. S.             | <i>white.</i>  |

421. ASPHODELUS. *Cor.* 6-parted. *Nectary* from the six valvelets covering the Germ.

- |                     |   |                 |
|---------------------|---|-----------------|
| <i>luteus.</i>      | 1. A. stem leafy, leaves three-sided striated.                  | <i>yellow.</i>  |
| <i>ramosus.</i>     | 3. A. stem naked, leaves sword-form keel'd polish'd.            | <i>branchy.</i> |
| <i> fistulosus.</i> | 2. A. stem naked, leaves upright awl'd striated somewhat piped. | <i>pip'd.</i>   |

262. SIX MALES. ONE FEMALE. Anthericum.

422. ANTHERICUM. *Cor.* 6-petal'd, expanding. *Caps.* egg'd.

\* *Phalangium with leaves channel'd. Filaments of finer smooth.*

- serotinum.* 1. A. leaves flattish, scape one-flower'd. *late.*  
*græcum.* 2. A. leaves flat, scape simple, flowers corymbed, filaments woolly. *greek.*  
*planifolium.* A. leaves flat, scape and filaments woolly *flat-leaved.*  
*revolutum.* 3. A. leaves three-corner'd rugged, scape branchy, corols revolute. *revolute.*  
*ramosum.* 4. A. leaves flat, scape branchy, corols flat, pistil straight. *branchy.*  
*Liliago.* 5. A. leaves flat, scape most simple, corols flat, pistil declined.  
*Liliastrum.* 6. A. leaves flat, scape very simple, corols bell'd, stamens declined.  
*spirale.* A. scape spiral. *spiral.*

\*\* *Bulbine with leaves fleshy. Filaments bearded.*

- frutescens.* 7. A. leaves fleshy columnar, stem shrubby. *shrubby.*  
*alooides.* 8. A. leaves fleshy awl'd flattish. *aloe-like.*  
*Asphodeloides.* 9. A. leaves fleshy awl'd semicolumnar upright. *Asphodel-like.*  
*annuum.* 10. A. leaves fleshy awl'd columnarish, scape subracemed. *subracem.*  
*hispidum.* 11. A. leaves fleshy compress'd hispid. *hispid.*

\*\*\* *Narthecium with leaves sword-form.*

- ossifragum.* 8. leaves sword-form, filaments woolly. *bone-breaker.*  
*calyculatum.* 9. A. leaves sword-form, perianths three-lobed, filaments smooth, flowers three-female. *calyced.*

*From the Supplement.*

- flexifolium.* A. leaves awl'd smooth, winding stem branchy. *leaf-bent.*  
*muricatum.* A. leaves fleshy compress'd murex'd striated. *S. murex'd.*  
*latifolium.* A. leaves fleshy broad-sword-form smooth, raceme most long, stem simple. *S. broad-leaved.*  
*cauda felis.* A. leaves channel-sword-form, scape simple, raceme oblong. *S. cat tail.*  
*triquetrum.* A. leaves thread-form three-sided shorter than the simple scape, raceme egg'd. *S. three-sided.*  
A.

- ciliatum.* A. leaves sword-form fleshy-rather-three-sided fringed, scape simple, raceme most long. S. *fringed.*
- falcatum.* A. leaves fleshy sword-form sickled smooth, stem branchy racemed. S. *sickled.*
- contortum.* A. leaves flat sword-form, stem branchy, flowers most remote. *contortum.*
- scabrum.* A. leaves three-sided fine-saw'd, stem branchy rugged, peduncles fruit-bearing recurved. *rugged.*
- squamatum.* A. scape imbricated with membranous tumid scales. *scaly.*

423. LEONTICE. Cor. 6-petal'd. Nectary 6-leaved sitting upon the claws of the corol, expanding on the border. Cal. 6-leaved deciduous

- Chrysozonum.* 1. L. leaves feather'd: with a common simple petiole.
- Leontopetalum.* 2. L. leaves decomposed: with a common petiole three-cleft.
- Thalictrifolium.* 3. L. stem-leaf three-times thrice-three'd, floral-leaf thrice-three'd. *Thalictrum-like.*
- Leontopetaloides.* 4. L. leaves simple three-part-many-cleft, corol one-petal'd calyced. *Leontopetalum-like.*

424. ASPARAGUS. Cor. 6-parted, erect: the 3 interior petals reflected at top. Berry 3-cell'd, 2-seeded.

- officinalis.* 1. A. stem herbaceous columnar erect, leaves bristly, stipules in pairs. *officinal.*
- declinatus.* 1. A. stem unarm'd columnar, branches declined, leaves bristly. *declined.*
- falcatus.* 3. A. prickles solitary reversed, branches columnar, leaves sword-form sickled. *sickled.*
- retrofractus.* 4. A. prickles solitary, branches columnar reflected and retrofracted, leaves bristly fascicled. *retrofracted.*
- æthiopicus.* 11. A. prickles solitary reversed, branches angled, leaves linear. *æthiopian.*
- asiaticus.* 5. A. prickles solitary, stem erect, branches thread-form, leaves fascicled bristly. *asiatic.*
- albus.* 6. A. prickles solitary, branches angled winding, leaves fascicled three-sided awnless deciduous. *white.*

7. A.

264. SIX MALES. ONE FEMALE. Asparagus.

- acutifolius.* 7. A. stem unarm'd angled shrubby, leaves needle-form, stiffish perennial dagger'd equal. *acute-leaved.*
- horridus.* A. leafless shrubby five-corner'd, prickles four-corner'd compress'd striated. *S. horrid.*
- aphyllus.* 8. A. stem unarmed angled shrubby, leaves awl'd striated unequal diverging. *leafless.*
- capensis.* 9. A. thorns fourfold, branches aggregate columnar, leaves bristly. *cape.*
- sarmentosus.* 10. A. leaves solitary linear-lanced, stem winding, prickles recurved. *sarmentous.*
- verticillata.* 11. A. leaves verticill'd. *verticill'd.*

1256. DRACAENA. *Cor.* 6-parted, erect. *Filaments.* somewhat thicker in the middle. *Berry* 3-cell'd, 1-seeded.

- Draco.* 1. D. arborecent, leaves somewhat fleshy thorny at top.
- ferrea.* 2. D. arborecent, leaves lanced acute. *iron.*
- terminalis.* 3. D. herbaceous stem-growing leaves lanced. *terminal.*
- ensifolia.* 4. D. herbaceous somewhat stem-growing, leaves sword-form. *sword-leaved.*
- graminifolia.* 5. D. herbaceous stemless, leaves linear. *grass-leaved.*
- undulata.* D. herbaceous stem-growing erect, leaves egg'd acute many-nerved, flowers axillary peduncled. *S. waved.*
- Medeoloides* D. herbaceous twining, leaves egg'd nerved. *S. Medeola-like.*
- erecta.* D. herbaceous stem-growing erect, leaves lanced awl'd sessile. *S. erect.*
- striata.* D. shrub-becoming stem-growing erect, leaves lanced obliquely sickled striated, stem winding. *S. striated.*
- volubilis.* D. herbaceous twining, leaves lanced. *S. twining.*

425. CONVALLARIA. *Cor.* 6-cleft. *Berry* spotted, 3-cell'd.

\* Lily of the Valley T. *with corols bell'd.*

- majalis.* 1. C. scape naked. *hog.*

\*\* Solomon's



\*\* Solomon's Seal T. *with Corols funnel-form.*

*verticillata*. 2. C. leaves verticil'd. *verticil'd.*  
*Polygonatum*. 3. C. alternate leaves stem-clasping, stem two-edged,  
 peduncles axillary mostly one-flower'd. *Solomon's Seal.*

*multiflora*. 4. C. alternate leaves stem-clasping, stem columnar, pe-  
 duncles axillary many-flower'd. *many-flower'd.*

\*\*\* Smilaces T. *with Corols wheel'd.*

*racemosa*. 5. C. leaves sessile, raceme terminal compound. *racemed.*

*stellata*. 6. C. leaves stem-clasping very numerous. *star.*

*trifolia*. 7. C. leaves stem-clasping three-fold, raceme terminal  
 simple. *three-leaved.*

*bifolia*. 8. C. leaves hearted, flowers four-male. *two-leaved.*

*Japonica*. C. scape naked two-edged, flowers racemed one-  
 rank'd, leaves linear three times longer than the  
 scape. *S. Japan.*

426. POLIANTHES. *Cor.* funnel-form, incurved,  
 equal. *Filaments* inserted in the throat  
 of the corol. *Germ* in the bottom of  
 the corol.

*tuberosa*. 1. POLIANTHES. *Tuberose.*

427. HYACINTHUS. *Cor.* bell'd: 3 honey-  
 bearing pores at the *Germ.* *Hyacinth.*

*non scriptus*. 1. H. corols bell'd six-parted revolute at top. *not de-  
 scribed.*

*cernuus*. 2. H. corols bell'd six-parted, raceme bowing. *bowing.*

*serotinus*. 3. H. the exterior petals subdistinct, the interior ones  
 coadjoined. *late.*

*viridis*. 4. H. the exterior divisions of the corols awl'd longest.  
*green.*

*amethystinus*. 5. H. corols bell'd half-six-cleft: cylindric at the base.  
*amethystine.*

*orientalis*. 6. H. corols funnel-form half-six-cleft: bellied at the  
 base. *oriental.*

*comosus*. H. corols funnel-form corymbed erect, scape shorter  
 than the leaves. *tufted.*

*romanus*. H. corols bell'd half-six-cleft racemed, stamens mem-  
 branous. *roman.*

L 1

7. H.

266. SIX MALES. ONE FEMALE. Hyacinthus.

- Muscari.* 7. H. corols egg'd. all equal.  
*monstrosus.* 8. H. corols somewhat egg'd. *monstrous.*  
*comosus.* 9. H. corols angular-cylindric: the highest barren pedicel'd longer. *bushy.*  
*botryoides.* 10. H. corols globular uniform, leaves channel-cylindric upright. *botrytis-like.*  
*racemosus.* 11. H. corols egg'd: the highest fertile, leaves loose, *racemed.*  
*orchioides.* 12. H. corols six-parted: the three exterior petals shorter. *orchis-like.*  
*lanatus.* 13. H. corols woolly, stem branchy. *woolly.*  
*Convallarioides.* H. corols pendulous egg'd, scape capillary. *S. Convallaria-like.*  
*revolutus.* H. corols six-parted bell'd revolute, leaves oblong waved. *S. revolute.*

428. ALETRIS. *Cor.* funnel-form wrinkled. *Stamens* inserted on the base of the divisions. *Caps.* 3-cell'd.

- capensis.* 2. A. stemless, leaves lanced waved, spike egg'd, flowers nodding. *cape.*  
*hyacinthoides.* 3. A. stemless, leaves lanced fleshy, flowers doubled. *hyacinth-like.*  
*fragrans.* 4. A. stem-growing, leaves lanced loose. *fragrant.*  
*Uvaria.* A. stemless, leaves sword-form channel'd keel'd.

429. YUCCA. *Cor.* bell-expanding. *Style* none. *Caps.* 3-cell'd.

- Gloriosa.* 1. Y. leaves most intire.  
*aloifolia.* 2. Y. leaves fine-notch'd upright. *aloe-leaved.*  
*draconis.* 3. Y. leaves notch'd nodding. *dragon's.*  
*filamentosa.* 4. Y. leaves saw-thread-bearing. *filamented.*

430. ALOE. *Cor.* erect, with mouth expanded, bottom nectar-bearing. *Filaments* inserted on the receptacle.

- perfoliata.* 1. A. flowers with peduncles bowing corymbed subcylindric. *leaf-pierced.*

2. A.

- variegata.* 2. A. flowers racemed bowing subcylindric, mouth expanded equal. *variegated.*
- disticha.* 3. A. flowers peduncled pendulous, egg-cylindric curved. *two-rank'd.*
- spiralis.* 4. A. flowers spiked egg'd murex'd notch'd : the interior segments converging. *spiral.*
- retusa.* 5. A. flowers spiked three-sided two-lip'd : the inferior lip revolute. *retuse.*
- viscosa.* 6. A. flowers spiked funnel-form two-lip'd : with five divisions revolute : the highest erect. *viscous.*
- pumila.* 7. A. flowers spiked two-lip'd : the superior lip more erect ; the inferior one recurvate. *dwarf.*
- spicata.* A. flowers spiked horizontal bell'd, stem-leaves flat stem-clasping tooth'd. *S. spiked.*
- linguæformis.* A. flowers racemed erect, corols cylindric, leaves tongue-form two-rank-expanded. *tongue-form.*
- dichotoma.* A. branchy, branches two-fork'd, leaves sword-form saw'd. *two-fork'd.*

431. AGAVE. *Cor.* erect, above. *Filaments* longer than the corol, erect.

- americana.* 1. A. leaves tooth-thorn'd, scape branchy. *american.*
- vivipara.* 2. A. leaves tooth'd, stamens equalling the corol. *viviparous.*
- virginica.* 3. A. leaves tooth-thorn'd, scape most simple. *virginian.*
- fætida.* 4. A. leaves most intire. *fetid.*

432. ALSTROEMERIA. *Cor.* 6-petal'd, nearly two-lip'd : with the two inferior tubular at the base. *Stamens* declining.

- pelegina.* 1. A. stem erect. *italian.*
- Ligta.* 2. A. stem ascending. (erect, leaves spatule-oblong, peduncles of the umbel longer than the involucre, corol two-lip'd. *S.*)
- Salfilla.* 3. A. stem twining. (leaves petioled lanced pointed, umbel branchy, peduncles longer than the involucre, bractes loose. *S.*)
- pulchella.* A. stem erect, corols reflex - expanding all acute, leaves sessile, pedicels shorter than the involucre. *S. pretty.*

268. SIX MALES. ONE FEMALE. *Alstroemeria*.

*multiflora*. A. stem twining, leaves petioled lanced pointed, umbel simple, peduncles shorter than the bractes, alternate petals lop'd. S. *many-flower'd*.

433. HEMEROCALLIS. *Cor.* bell'd: the tube cylindrical. *Stamens* declining.

*flava*. 1. H. corols yellow. *yellow*.  
*fulva*. 2. H. corols tawny. *tawny*.

434. ACORUS. *Spadix* cylindric, cover'd with florets. *Cor.* 6-petal'd, naked. *Style* none. *Capsf.* 3-cell'd,

*Calamus*. 1. ACORUS.

435. ORONTIUM. *Spadix* cylindric, cover'd with florets. *Cor.* 6-petal'd, naked. *Style* none. *Follicles* 1-seeded.

*aquaticum*. 1. ORONTIUM. *aquatic*.

436. CALAMUS. *Cal.* 6-leaved. *Cor.* o. *Berry* very dry, 1-seeded, imbricated backwards.

*Rotang*. 1. CALAMUS.

437. IUNCUS. *Cal.* 6-leaved. *Cor.* o. *Capsf.* 1-cell'd. *Rush*.

\* *With culms naked.*

*acutus*. 1. I. culm nakedish columnar dagger'd, panicle terminal involucre two-leaved, thorny. *acute*.

*conglomeratus*. 2. I. culm naked upright, head lateral. *conglomerated*.

*effuse*. 3. I. culm naked upright: with a lateral panicle. *effuse*.

*inflexus*. 4. I. culm naked: the top membranous incurved, panicle lateral. *inflexed*.

5. I.

- filiformis*. 5. I. culm naked thread-form nodding, panicle lateral.  
*thread-form.*  
*trifidus*. 6. I. culm naked with three terminal leaves and flowers.  
*three-cleft.*  
*squarrosus*. 7. I. culm naked, leaves bristly, heads glomerated  
leafless. *ragged.*  
*punctorius*. I. culm naked columnar, leaf columnar jointed  
dagger'd, panicle glomerated. *S. dotted.*

\* \* *With culms leafy.*

- nodosus*. 9. I. leaves knot-jointed, petals dagger'd. *knotted.*  
*articulatus*. 8. I. leaves knot-jointed, petals obtuse. *jointed.*  
*bulbosus*. 10. I. leaves linear channel'd, capsules obtuse. *bulbous.*  
*bufonius*. 11. I. culm two-fork'd, leaves angled, flowers solitary  
sessile. *toad.*  
*stygus*. 12. I. leaves bristly rather depressed, peduncles double  
terminal, glumes solitary mostly one-flower'd.  
*poisonous.*  
*Faquinii*. 19. I. leaf awl'd, head mostly four-flower'd terminal.  
*Faquin's.*  
*biglumis*. 13. I. leaf awl'd, glume two-flower'd terminal. *two-*  
*glumed.*  
*triglumis*. 14. I. leaves flat, glume three-flower'd terminal. *three-*  
*glumed.*  
*pilosus*. 15. I. leaves flat hairy, corymbe branchy. *hairy.*  
*niveus*. 16. I. leaves flat rather hairy, corymbes shorter than the  
leaf, flowers fascicled. *snow.*  
*campestris*. 17. I. leaves flat rather hairy, spikes sessile and peduncled.  
*field.*  
*spicatus*. 18. I. leaves flat, spike racemed nodding. *spiked.*  
*Tenageia*. I. annual, culm branchy panicled, flowers solitary  
sessile, petals egg-oblong, capsule subglobular. *S.*  
*ferratus*. I. leaves sword-form flat saw'd hoary underneath,  
sheaths of the panicle awl'd leaf-pierced. *S.*  
*saw'd.*  
*grandiflorus*. I. leaf columnar, culm one-flower'd, flower erect  
singular naked. *S. great-flower'd.*

270. SIX MALES. ONE FEMALE. Richardia.

439. RICHARDIA. *Cal.* 6-parted. *Cor.* 1-petal'd, subcylindric. *Seeds.* 3.

*scabra.* 1. RICHARDIA. *rugged.*

438. ACHRAS. *Cal.* 6-leaved. *Cor.* egg'd, 6-cleft: with just so many alternate interior scales. *Pome* 10-cell'd. *Seeds* solitary, with a marginal hile and claw'd top.

*mammosa.* 1. A. flowers solitary, leaves wedge-form-lanced. *nippled.*

*Sapota.* 2. A. flowers solitary, leaves lance-egg'd.

*salicifolia.* 3. A. flowers crowded, leaves lance-egg'd. *willow-leaved.*

*dissecta.* A. flowers solitary, leaves wedge-form end-nick-retuse. *S. dissected.*

441. PRINOS. *Cal.* 6-cleft. *Cor.* 1-petal'd, wheel'd. *Berry* 6-feeded.

*verticillatus.* 1. P. leaves longitudinally saw'd. *verticil'd.*

*glaber.* 2. P. leaves saw'd at top. *smooth.*

440. BURSERA. *Cal.* 3-leaved. *Cor.* 3-petal'd. *Capsf.* fleshy, 3-valved, 1-feeded.

*gummifera.* 1. BURSERA. *gum-bearing.*

442. BERBERIS. *Cal.* 6-leaved. *Petals* 6: with two glands at the claws. *Style* 0. *Berry* two-feeded.

*vulgaris.* 1. B. peduncles racemed. *common.*

*cretica.* 2. B. peduncles one-flower'd. *cretan.*

*Illicifolia.* B. leaves inverfe-egg'd, saw-thorn'd, pedicels elongate cymed, thorns finger-thorny. *Ilex-leaved.*

1302. CAPURA. *Germ* above. *Cal.* o. *Cor.* 6-cleft. *Stamens* within the tube. *Stigma* globular. *Berry*.

*purpurata.* CAPURA. *purple.*

443. LORANTHUS. *Germ* beneath. *Cal.* o. *Cor.* 6-cleft, revolute. *Stamens* at the tops of the petals. *Berry* 1-seeded.

*Scurrula.* 1. L. peduncles one-flower'd collected.

*uniflorus.* 6. L. racemes most simple. *one-flower'd.*

*europæus.* 7. L. racemes simple terminal, flowers two-houfe. *euro-pean.*

*americanus.* 2. L. racemes rather branchy equal, leaves egg'd. *american.*

*occidentalis.* 3. L. racemes simple, flowers irregular. *occidental.*

*loniceroides.* 4. L. flowers aggregate-headed. *lonicera-like.*

*Stelis.* 5. L. racemes three-fork'd, peduncles three-corner'd, flowers equal.

*pentandrus.* 8. L. racemes simple, flowers five-cleft, alternate leaves petioled. *five-male.*

*spicatus.* 9. L. spikes quadrangular. *spiked.*

*tetrapetalus.* L. flowers at four joints verticil'd four-petal'd, leaves oblong opposite subsessile. *S. four-petal'd.*

*falcatus.* L. racemes few-flower'd axillary, leaves linear obtuse laterally sickled sea-green. *S. sickled.*

444. HILLIA. *Cal.* 6-leaved. *Cor.* 6-cleft, very long. *Berry* beneath, 2-cell'd, many-seeded.

*parasitica.* 1. HILLIA. *parasitic.*

1301. CANARINA. *Cal.* 6-leav'd. *Cor.* 6-cleft, bell'd. *Stigma* 6. *Capsf.* beneath, 6-cell'd, many-seeded,

*campanula.* CANARINA. *bell.*

445. FRAN-

272. SIX MALES. ONE FEMALE. Frankenia.

445. FRANKENIA. *Cal.* 5-cleft, funnel-form.  
*Petals* 5. *Stigma* 6-parted. *Caps.* 1-  
cell'd, 3-valved.

*lævis.* 1. F. leaves linear crowded fringed at the base. *polished.*  
*hirsuta.* 2. F. stems shaggy, flowers fascicled terminal. *shaggy.*  
*puberulenta.* 3. F. leaves inverse-egg'd retuse dusty underneath. *dusty.*

446. PEPLIS. *Perianth* bell'd: with mouth 12-  
cleft. *Petals* 6, inserted on the calyx.  
*Caps.* 2-cell'd.

*Portula.* 1. P. flowers petalless.  
*tetrandra.* 2. P. flowers four-male one-petal'd. *four-male.*

1381. MASSONIA. *Nectary* beneath. *Cor.* 6-  
petal'd, inserted on the Nectary. *S.*

*latifolia.* M. leaves orbicular smooth. *S.* *broad-leav'd.*  
*angustifolia.* M. leaves lance-oblong smooth. *S.* *narrow-leav'd.*  
*echinata.* M. leaves egg'd murex'd hairy. *S.* *hedge-hog'd.*

590. GETHYLLIS. *Cor.* above, 6-parted. *Cal.* 0.  
*Berry* club'd, radical 1-cell'd. *S.*

*villosa.* G. leaves thread-form spiral villous, divisions of the  
border egg-oblong. *S.* *villous.*  
*ciliaris.* G. leaves linear spiral fringed, the divisions of the bor-  
der egg-oblong. *S.* *fringed.*  
*spiralis.* G. leaves linear spiral smooth, the divisions of the  
border oblong. *S.* *spiral.*  
*lanceolata.* G. leaves lanced flat, the divisions of the border  
lanced. *S.* *lanced.*

1382. PHOR-



1382. PHORMIUM. *Cor.* 6-petal'd: the three  
 exterior *petals* shorter. *S.*

*enax.* P. leaves very numerous, inflorescence branchy. *S.*  
*tenacious.*

*Hyacinth-*  
*oides.* P. leaves radical twofold spotted at the base, scape ra-  
 cemed simple, corols bell-expanding. *S. Hy-*  
*acinth-like.*

*Aloides.* P. leaves twofold radical brown-spotted above, scape  
 racemed simple, flowers nodding cylindric-fun-  
 nel-form. *S. Aloe-like:*

1383. EHRHARTA. *Cal. glume* 2-valved, ab-  
 breviated, one-flower'd. *Cor. Glume*  
 double: each two-valved: the *exteri-*  
*our* one compress'd, scymitar - form,  
 transversly wrinkled, gash'd at the base.  
*Stamens* six, three on each side the  
 pistil, in a parallel line. *Stigma* sim-  
 ple, compress'd, four-tufted, torn at  
 top. *S.*

*Mnemeiteia.* I. EHRHARTA.

1384. DUROIA. *Cal.* above, cylindric, lop'd.  
*Border* 6-parted. *Filaments* none.  
*Pome* hispid. *S.*

*Eriopila.* I. DUROIA.

T W O F E M A L E S.

(*Digynia.*)

448. ORYZA. *Cal.* glume 2-valved, 1-flower'd.  
*Cor.* 2-valved, subequal, growing on  
the feed. *Rice*.

*fativa.* 1. ORYZA. *cultivated.*

449. ATRAPHAXIS. *Cal.* 2-leaved. *Petals* 2,  
sinuous. *Stigmas* headed, *Seed* 1.

*spinosa.* 1. A. branches thorny. *thorny.*  
*undulata.* 2. A. unarm'd. *waved.*

1385. FALKIA. *Cal.* one-leaved. *Cor.* one-pe-  
tal'd. *Seeds* four. *S.*

*repens.* FALKIA. *creeping.*

1386. GAHNIA. *Stamens* six. *Stigma* two-fork'd.  
*S.*

*procera.* GHANIA. *tall.*

T H R E E F E M A L E S.

(*Trigynia.*)

451. RUMEX. *Cal.* 3-leaved. *Petals* 3, con-  
verging. *Seed* 1, three-sided. *Dock.*

\* *Hermaphrodites* : the valvelets mark'd with a grainlet.

*Patientia.* 1. R. flowers hermaphrodite : the valvelets most intire :  
one grain-bearing, leaves egg-lanced. *Patiente.*

2. R.

- sanguineus*. 2. R. flowers hermaphrodite : valvelets most intire : one grain-bearing, leaves heart-lanced. *bloody.*
- verticillata*. 4. R. flowers hermaphrodite : valvelets most intire : all grain-bearing, leaves lanced : sheathes cylindrical. *verticil'd.*
- Britannica*. 5. R. flowers hermaphrodite : valvelets most intire : all grain-bearing, leaves lanced : sheathes obscure. *British.*
- crispus*. 3. R. flowers hermaphrodite : valvelets intire grain-bearing, leaves lanced waved acute. *curl'd.*
- persicariodes*. 8. R. flowers hermaphrodite : valvelets tooth'd : all grain-bearing, leaves lanced. *persicaria-like.*
- ægyptius*. 7. R. flowers hermaphrodite : valvelets three-cleft bristled : one grain-bearing. *ægyptian.*
- dentatus*. R. flowers hermaphrodite : valvelets tooth'd all grain-bearing, leaves lanced. *tooth'd.*
- maritimus*. 9. R. flowers hermaphrodite : valvelets tooth'd grain-bearing, leaves linear. *sea.*
- divaricatus*. 10. R. flowers hermaphrodite : valvelets tooth'd grain-bearing, leaves heart-oblong obtuse pubescent. *divaricated.*
- acutus*. 11. R. flowers hermaphrodite : valvelets tooth'd grain-bearing, leaves heart-oblong pointed. *acute.*
- obtusifolius*. 12. R. flowers hermaphrodite : valvelets tooth'd grain-bearing, leaves heart-oblong obtusish fine-notch'd. *obtusifolius.*
- pulcher*. 6. R. flowers hermaphrodite : valvelets tooth'd : mostly one grain-bearing, radical leaves violin-form. *beautiful.*
- Nemolapathum*. R. flowers hermaphrodite : valvelets linear obtuse most intire grain-bearing, verticils remote, branches expanding, inferiour leaves heart-lanced, superior ones lanced. S.

\* \* *Hermaphrodites : with valvelets destitute of a grainlet or naked.*

- bucephalophorus*. 13. R. flowers hermaphrodite : valvelets naked, pedicels flat reflected thicken'd. *ox-head.*
- aquaticus*. 14. R. flowers hermaphrodite : valvelets most intire naked, leaves hearted smooth acute. *aquatic.*
- Lunaria*. 15. R. flowers hermaphrodite : valvelets polish'd, stem arborescent, leaves hearted.
- vesicarius*. 16. R. flowers hermaphrodite doubled : valvelets all most large membranous reflected, leaves undivided. *bladder.*

276. SIX MALES. THREE FEMALES. Rumex.

- roseus.* 19. R. flowers hermaphrodite distinct: the wing of one valvelet most large membranous netted, leaves gnaw'd. *rose.*
- tingitanus.* 17. R. flowers hermaphrodite distinct: valvelets hearted obtuse most intire, leaves halfbert-egg'd. *tangiers.*
- scutatus.* 18. R. flowers hermaphrodite, leaves heart-halfberted, stem columnar. *shield.*
- digynus.* 19. R. flowers hermaphrodite two-female. *two-female.*
- Aristolius.* R. stem polish'd somewhat shrub-growing leaves heart-halfberted fine-saw'd acute, valvelets naked most intire. S. *Arum-leaved.*

\* \* \* *With flowers declined.*

- alpinus.* 22. R. flowers hermaphrodite barren and female: valvelets most intire naked, leaves hearted obtuse wrinkled. *alpine.*
- spinosus.* 22. R. flowers androgynous: feminine calyxes one-leaved: the exterior valvelets reflex-hook'd. *thorny.*
- tuberosus.* 23. R. flowers two-house, leaves lance-arrow'd, branches expanding. *tuberous.*
- multifidus.* 26. R. flowers two-house, leaves halfberted with earlets halfberted. *many-cleft.*
- Acetosia.* 24. R. flowers two-house, leaves oblong arrow'd. *Sorrel.*
- Acetosella.* 25. R. flowers two-house, leaves lance-halfberted.
- aculeata.* 27. R. flowers two-house, leaves lanced petioled, fruit reflected: valves fringed. *prickly.*
- luxurians.* 28. R. flowers - - - leaves heart-halfberted, stem decumbent angled. *luxuriant.*
- bipinnatus.* R. flowers two-house, leaves twice-feather'd. S. *twice-feather'd.*
- luxurians.* R. flowers two-house, leaves heart-halfberted, stems angled diffuse: the exterior valvelets awl'd: the interior ones orbicular. S. *luxuriant.*

450. FLAGELLARIA. Cal. 6-parted. Cor. o.  
Berry 1-seeded.

*indica.* FLAGELLARIA. *indian.*

452. SCHEUCHZERIA. *Cal.* 6-parted. *Cor.* 0.  
*Styles* 0. *Capsf.* 3, inflated, 1-seeded.

*palustris.* 1. SCHEUCHZERIA. *marsh.*

453. TRIGLOCHIN. *Cal.* 3-leaved. *Petals* 3,  
 calyx-form. *Style* none. *Capsf.* gap-  
 ing at the base.

*palustre.* 1. T. capsules three-cell'd sublinear. *marsh.*  
*bulbosum.* T. roots bulbous cover'd with fibres. *bulbous.*  
*maritimum.* 2. T. capsules six-cell'd egg'd. *sea.*

454. MELANTHIUM. *Cor.* 6-petal'd. *Fila-*  
*ments* from the elongated claws of the  
 corol.

*virginicum.* 1. M. petals claw'd. *virginian.*  
*fibricum.* 2. M. petals sessile. *iberian.*  
*capense.* 3. M. petals dotted, leaves cowl'd. *cape.*  
*indicum.* M. petals linear-lanced, leaves linear. *S. indian.*  
*viride.* M. peduncles one-flower'd bowing. *S. green.*  
*ciliatum.* M. petals claw'd, leaves cowl'd at the base sword-  
 form gristle-fringed, flowers spiked. *S. fringed.*  
*triquetrum.* M. leaves three-sided smooth longer than the stem,  
 flowers spiked. *S. three-sided.*  
*monopetalum.* M. corol one-petal'd, leaves cowl'd lanced. *S. one-  
 petal'd.*

455. MEDEOLA. *Cal.* 0. *Cor.* 6-parted, re-  
 volute. *Berry* 3-seeded.

*virginicum.* 2. M. leaves verticil'd, branches unarm'd. *virginian.*  
*asparagoides.* 3. M. leaves feather'd: leaflets alternate. *asparagus-  
 like.*

456. TRIL-

278. SIX MALES. THREE FEMALES. Trillium.

456. TRILLIUM. *Cal.* 3-leaved. *Cor.* 3-petal'd.  
*Berry* 3-cell'd.

<i>cernuum.</i>	1. T. flower peduncled bowing.	<i>bowing.</i>
<i>erectum.</i>	2. T. flower peduncled erect.	<i>erect.</i>
<i>sessile.</i>	3. T. flower sessile erect.	<i>sessile.</i>

457. COLCHICUM. *Spathe.* *Cor.* 6-parted : with  
a radicated tube. *Capsules* 3, connected,  
inflated.

<i>autumnale.</i>	1. C. leaves flat lanced erect.	<i>autumnal.</i>
<i>montanum.</i>	2. C. leaves linear most expanding.	<i>mountain.</i>
<i>variegatum.</i>	3. C. leaves waved expanding.	<i>variegated.</i>

458. HELONIAS. *Cor.* 6-petal'd. *Cal.* o.  
*Capsules* 3-cell'd.

<i>bullata.</i>	1. H. leaves lanced nerved.	<i>studded.</i>
<i>asphodeloides.</i>	2. H. stem-leaves bristly.	<i>asphodel-like.</i>
<i>minuta.</i>	H. leaves linear, scapes branchy.	<i>minute.</i>

## FOUR FEMALES.

(*Tetragynia.*)

459. PETIVERIA. *Cal.* 4-leaved. *Cor.* o.  
*Seed* 1 : with reflected awns at top.

<i>alliacea.</i>	1. P. flowers six-male.	<i>garlick.</i>
<i>strandra.</i>	2. P. flowers eight-male.	<i>eight-male.</i>

M A N Y

M A N Y F E M A L E S .

(*Polygynia.*)

460. ALISMA. *Cal.* 3-leaved. *Petals* 3. *Seeds* numerous.

- |                       |    |   |                          |
|-----------------------|----|---|--------------------------|
| <i>Plantago.</i>      | 1. | A. leaves egg'd acute, fruit obtusely three-corner'd.               | <i>Plantain.</i>         |
| <i>flava.</i>         | 2. | A. leaves egg'd acute, peduncles umbel'd, fruit globular.           | <i>yellow.</i>           |
| <i>Damasoni-um.</i>   | 3. | A. leaves heart-oblong, flowers six-female, capsules awl'd.         |                          |
| <i>cordifolia.</i>    | 4. | A. leaves hearted obtuse, flowers twelve-male, fruit hook-dagger'd. | <i>heart-leaved.</i>     |
| <i>natans.</i>        | 5. | A. leaves egg'd obtuse, peduncles solitary.                         | <i>swimming.</i>         |
| <i>ranunculoides</i>  | 6. | A. leaves linear-lanced, fruit globe-ragged.                        | <i>ranunculus-like.</i>  |
| <i>subulata.</i>      | 7. | A. leaves awl'd.  | <i>awl'd.</i>            |
| <i>parnassifolia.</i> |    | A. leaves hearted acute, petioles jointed.                          | <i>parnassia-leaved.</i> |

C L A S S





F O U R F E M A L E S.

(*Tetragynia.*)

464 SAURURUS. *Cal.* ament. *Cor.* none. *Pistils* 4. *Berries*  
4, many-seeded.

1387 APONOGETON. *Ament.* *Cor.* none. *Caps.* 3-seeded. *S.*

S E V E N F E M A L E S.

(*Heptagynia.*)

465 SEPTAS. *Cal.* 7-parted. *Cor.* 7-petal'd. *Germes* 7.  
*Caps.* 7, many-seeded.

O N E F E M A L E .

(*Monogynia.*)

461. TRIENTALIS. *Cal.* 7-leaved. *Cor.* 7-parted, equal, flat. *Berry* juiceless.

*europaea.* 1. T. leaves lanced most intire. *europaean.*

1345. DISANDRA. *Cal.* 7-leaved. *Cor.* 7-parted flat. *Capsf.* 2-cell'd. *S.*

*prostrata.* DISANDRA. *prostrate.*

462. ÆSCULUS. *Cal.* 1-leaved, 5-tooth'd, bellied. *Cor.* 5-petal'd, unequally colour'd, inferted on the calyx. *Capsf.* 3-cell'd.

*Hippo-Caf-tanum.* 1. Æ. flowers seven male. *Horse-Chestnut.*

*Pavia.* 2. Æ. flowers eight male.

T W O F E M A L E S .

(*Digynia.*)

464. LIMEUM. *Cal.* 5-leaved. *Petals* 5, equal. *Capsf.* globular, 2-cell'd.

*africanum.* L. leaves oblong petioled. *S.*

*aphyllum.* L. leaves egg'd. *S.*

*african. leafless.*

F O U R

FOUR FEMALES.

(Tetragynia.)

463. SAURURUS. *Cal.* ament, with scales, 1-flower'd. *Cor.* 0. *Germs* 4. *Berries* 4, many-fedded.

*cernuus.* I. S. stem leafy many-spiked. *bowing.*  
*natans.* S. stemless, scape one spiked. *swimming.*

1387. APONOGETON. *Ament.* *Cor.* none. *Capsules* three-fedded. S.

*monostachyon.* A. spike simple, leaves heart-oval. S. *one-spiked.*  
*distachyon.* A. spike two-partible, leaves ellipse-lanced. S. *two-spiked.*

SEVEN FEMALES.

(Heptagynia.)

465. SEPTAS. *Cal.* 7-parted. *Petals* 7. *Germs* 7. *Capsules* 7, many-fedded.

*capensis.* SEPTAS. *cape.*



C L A S S VIII.

E I G H T M A L E S.

(Ostendria.)

O N E F E M A L E.

(Monogynia.)

\* Flowers complete.

- |      |            |                        |  |
|------|------------|------------------------|--|
| 478  | MIMUSOPS.  | Cor. 8-petal'd.        | Cal. 8-leaved, beneath,<br><i>Drupe.</i>   |
| 466  | TROPÆOLUM. | Cor. 5-petal'd.        | Cal. 5-cleft, beneath, spur'd.<br><i>Berries 3, 1-seeded.</i>                    |
| 491  | BÆCKIA.    | Cor. 5-petal'd.        | Cal. 5-cleft above. <i>Capsf.</i><br>4-cell'd.                                   |
| 481  | MEMECYLON. | Cor. 4-petal'd.        | Cal. most intire, above.   |
| 475  | COMBRETUM. | Cor. 4-petal'd.        | Cal. 5-tooth'd, above. <i>Seeds</i><br>4.  |
| 1304 | OPHIRA.    | Cor. 4-petal'd, above. | Cal. o. <i>Involucre</i><br>2-valved, three-flower'd. <i>Berry 1-</i><br>cell'd. |
| 471  | EPILOBIUM. | Cor. 4-petal'd.        | Cal. 4-leaved, above. <i>Capsf.</i><br>4-cell'd. <i>Seeds pappus'd.</i>          |
| 470  | GAURA.     | Cor. 4-petal'd.        | Cal. 5-cleft, above. <i>Nut</i><br>4-seeded.                                     |
| 469  | ŒNOTHERA.  | Cor. 4-petal'd.        | Cal. 4-cleft, above. <i>Capsf.</i><br>4-cell'd. <i>Anthers linear.</i>           |
|      |            |                        | 468 RHEXIA.  |

- 468 RHEXIA. Cor. 4-petal'd. Cal. 4-cleft, middle. Caps. 4-cell'd. Anthers arch'd.
- 467 OSBECKIA. Cor. 4-petal'd. Cal. 4-cleft, middle. Caps. 4-cell'd. Anthers beak'd.
- 474 GRISLEA, Cor. 4-petal'd. Cal. 4-tooth'd beneath. Caps. 1-cell'd.
- 1305 GUAREA. Cor. 4-petal'd with nectary cylindric. Cal. 4-tooth'd, beneath. Caps. 4-cell'd, 4-valved. Seeds solitary.
- 1257 ANTICORUS. Cor. 4-petal'd. Cal. 4-leaved, beneath. Caps. 4-cell'd, 4-valved, many-seeded.
- 476 ALLOPHYLLUS. Cor. 4-petal'd. Cal. 4-leaved, beneath. Style two-cleft.
- 479 JAMBOLIFERA. Cor. 4-petal'd. Cal. 4-tooth'd beneath. Filaments flattish.
- 482 LAWSONIA. Cor. 4-petal'd. Cal. 4-cleft, beneath. Berry 4-cell'd.
- 472 MELICOCCA. Cor. 4-petal'd, refracted. Cal. 4-parted. Drupe barky. Stigma targetted two-edged.
- 473 AMYRIS Cor. 4-petal'd, Cal. 4-tooth'd, beneath. Berry 1-seeded.
- 128 FUCHSIA. Cor. 8-cleft. Cal. o. above. Berry 4-cell'd many-seeded.
- 1258 CHLORA. Cor. 8-cleft. Cal. 8-leaved, beneath. Caps. 1-cell'd, 2-valved, many-seeded.
- 483 VACCINIUM. Cor. 1-petal'd. Cal. 4-tooth'd, above. Filaments on the receptacle. Berry.
- 484 ERICA. Cor. 1-petal'd. Cal. 4-leaved, beneath. Filaments on the receptacle. Capsule.

*Æsculus Paiza.*

*Monotropa Hypopithis.* \* Dais eight-male.

*Ruta strong-scented.* \* Fagara eight-male.

*Jussieua erect,* shrub-growing. \* *Melastoma* eight-male.

*Portulaca four-cleft.* *Elais* saw'd.

\*\* Flowers incomplete

- 487 GNIDIA. Cal. 4-cleft coraline. Petals small. Stamens protruded.

- 490 LACHNÆA      *Cal.* 4-cleft, coroline, unequal. *Stamens*  
protruded.
- 486 DIRCA:      *Cal.* borderless, coroline, unequal. *Stamens*  
protruded.
- 485 DAPHNE.      *Cal.* 4-cleft, coroline, equal. *Stamens* in-  
cluded. *Berry* pulpy.
- 489 PASSERINA.      *Cal.* 4-cleft, coroline, equal. *Stamens* above  
the corol.
- 488 STELLERA.      *Cal.* 4-cleft, coroline, equal. *Stamens* in-  
cluded. *Seed* single.
- 1303 DODONÆA.      *Cal.* 4-leaved. *Cor.* o. *Capsf.* 3-cell'd.  
*Seeds* two-fold.

\* *Rivina* eight-male.

## T W O F E M A L E S.

(*Digynia.*)

- 293 WEINMANNIA.      *Cor.* 4-petal'd.      *Cal.* 4-leaved.      *Capsf.* 2-  
cell'd, 2-beak'd.
- 494 MOEHRINGIA.      *Cor.* 4-petal'd.      *Cal.* 4-leaved.      *Capsf.* 1-  
cell'd.
- 1259 SCHMIEDELIA.      *Cor.* 4-petal'd.      *Cal.* 2-leaved.      *Pericarps* 2,  
pedicel'd.
- 492 GALENIA.      *Cor.* o.      *Cal.* 4-cleft.      *Capsf.* 2-cell'd, 2-  
seeded.
- 1388 CODIA.      *Cor.* 4-petal'd.      *Cal.* 4-leaved *common* *Recep-*  
*tacle* involucred. *S.*

\* *Chrysoplenium.*

## T H R E E F E M A L E S.

(*Trigynia.*)

- 497 PAULLINIA.      *Cor.* 4-petal'd.      *Cal.* 5-leaved.      *Capsf.* 3-  
cell'd, 1-seeded.
- 498 CARDIOSPER-      *Cor.* 4-petal'd.      *Cal.* 4-leaved.      *Capsf.* 3-  
MUM.      cell'd, 1-seeded.

449 SAPINDUS.

- 449 SAPINDUS. *Cor.* 4-petal'd. *Cal.* 4-leaved. *Berry* 3-grain'd, 1-seeded.
- 496 COCCOLOBA. *Cor.* 0. *Cal.* 5-parted. *Berry* calycine, 1-seeded.
- 495 POLYGONUM. *Cor.* 0. *Cal.* 5-parted. *Seed* 1, naked.

## F O U R F E M A L E S.

*(Tetragynia.)*

- 501 ADOXA. *Cor.* 4 or 5-cleft, above. *Cal.* 2-leaved. *Berry* 4 or 5-seeded.
- 502 ELATINE. *Cor.* 4-petal'd. *Cal.* 4-leaved. *Caps.* 4-cell'd.
- 500 PARIS. *Cor.* 4-petal'd, awl'd. *Cal.* 4-leaved. *Berry* 4-cell'd.
- 1389 HALORAGIS. *Cor.* 4-petal'd. *Cal.* 4-cleft, above. *Drupe* dry. *Nut* 4-cell'd. *S.*

\* *Cotyledon* jagg'd.

\* *Petiveria* eight-male.

ONE FEMALE.

(*Monogynia.*)

466. TROPOEOLUM. *Cal.* 1-leaved, spur'd. *Petals* 5, unequal. *Berries* 3, dry.

- minus.* 1. T. leaves targetted scollop'd, petals point-bristled. *lefs.*  
*majus.* 2. T. leaves targetted nearly five-lobed petals obtuse.  
*hybridum.* 4. T. leaves somewhat targetted five-lobed most intire, *greater.*  
 petals varying. *mule.*  
*peregrinum.* 3. T. leaves somewhat targetted five-lobed tooth'd, petals *foreign.*  
 fringe-torn.

467. OSBECKIA. *Cal.* 4-cleft: *Lobes* separated with a fringed scale. *Cor.* 4-petal'd. *Anthers* beak'd. *Capsf.* 4-cell'd, girt with the lop'd tube of the calyx.

- zeylanica.* 1. O. leaves petioled, peduncles axillary one-flower'd naked. *S.* *ceylon.*  
*chinensis.* O. leaves sessile, peduncles axillary three-flower'd bracted. *S.* *china.*

468. RHEXIA. *Cal.* 4-cleft. *Petals* 4, inserted on the calyx. *Anthers* declining. *Capsf.* 4-cell'd within the belly of the calyx.

- virginica.* 1. R. leaves sessile saw'd, calyx smooth. *virginian.*  
*mariana.* 2. R. leaves fringed.  
*Acisanthera.* 3. R. flowers alternate axillary peduncled five-cleft.  
*jussoidos.* R. leaves alternate ribb'd rugged on the margin. *jussif-sea-like.*  
*glutinosa.* R. leaves opposite three-nerved polish'd, *flowers*  
 thyrse-like. *S.* *glutinous.*

469. OENOR



469. OENOTHERA. *Cal.* 4-cleft. *Petals* 4.  
*Capsf.* cylindric, beneath. *Seeds* naked.

- biennis.* 2. *Æ.* leaves egg-lanced flat, stem murex-villous. *biennial.*
- parviflora.* 3. *Æ.* leaves egg-lanced flat, stem polish'd subvil-  
 lous. *small-flower'd.*
- muricata.* *Æ.* leaves lanced flat, stem purpling murex'd. *murex'd.*
- longiflora.* *Æ.* leaves toothletted, stem simple hairy, petals distant two-lobed. *long-flower'd.*
- octovalvis.* 4. *Æ.* leaves lance-oblong pointed flat smooth. *eight-valved.*
- mollissima.* 2. *Æ.* leaves lanced waved. *softest.*
- hirta.* 1. *Æ.* shaggy, leaves smooth above. *shaggy.*
- sinuata.* *Æ.* leaves tooth-sinuuous, stem nodding at top. *sinuous.*
- fruticosa.* 6. *Æ.* leaves lanced somewhat-tooth'd, capsule pedicel'd acute-angled, raceme peduncled. *shrubby.*
- pumila.* 7. *Æ.* leaves lanced obtuse smooth subpetioled, stems prostrate, capsules acute-angled. *dwarf.*

470. GAURA. *Cal.* 4-cleft, tubular. *Cor.* 4-petal'd, ascending toward the upper side. *Nut* beneath, 1-seeded, 4-angled.

*biennis.* 1. GAURA. *biennial.*

471. EPILOBIUM. *Cal.* 4-cleft. *Petals* 4. *Capsf.* oblong, beneath. *Seeds* pappus'd.

\* *Stamens declining.*

*angustifolium.* 1. E. leaves scatter'd linear-lanced flowers unequal. *narrow-leaved.*

*latifolium.* 2. E. leaves alternate-lance egg'd, flowers unequal. *broad-leaved.*

\*\* *Stamens erect regular, petals two-cleft.*

*hirsutum.* 3. E. leaves opposite lanced saw'd decurrent-stem-clasping. *shaggy.*

O o

4. E.

290. EIGHT MALES. ONE FEMALE. *Epilobium*.

- montanum*. 4. E. leaves opposite egg'd tooth'd. *mountain.*  
*tetragonum*. 5. E. leaves lanced toothletted : the lowest opposite, stem  
four-corner'd. *four-corner'd.*  
*palustre*. 6. E. leaves opposite lanced most intire, petals end-  
nick'd, stem erect. *marsh.*  
*alpinum*. 7. E. leaves opposite egg-lanced most intire, siliques ses-  
file, stem creeping. *alpine.*

1267. ANTICHORUS. *Cal.* 4-leaved. *Petals*  
4. *Capsf.* above, awl'd, 4-cell'd, 4-  
valved. *Seeds* very numerous.

*depressus*. I. ANTICHORUS. *depress'd.*

475. COMBRETUM. *Cal.* 4-tooth'd, bell'd,  
above. *Cor.* 4-petal'd, inserted on  
the calyx. *Stamens* most long. *Seed*  
I, quadrangular with membranous  
angles.

*laxum*. I. C. spikes loose: *loose.*  
*secundum*. 2. C. spikes one-rank'd. *one-rank'd.*

474. GRISLEA. *Cal.* 4-cleft. *Petals* 4, from  
the incisions of the calyx. *Filaments*  
most long, ascending. *Capsf.* globular,  
above, 1-cell'd, many-seeded.

*secunda*. I. GRISLEA. *one-rank'd.*

476. ALLOPHYLUS. *Cal.* 4-leaved : leaflets or-  
bicular; the opposite ones less. *Petals*  
4, less than the calyx. *Germ* twin.  
*Stigma* 4-cleft.

*zeylanicus*. I. ALLOPHYLUS. *ceylon.*

478. MIMU-

478. MIMUSOPS. *Cal.* 4-leaved. *Petals* 4.  
*Nectary* 16-leaved. *Drupe* pointed.

*Elengi.* 1. *M.* leaves alternate remote.  
*Kanki.* 2. *M.* leaves crowded.

479. JAMBOLIFERA. *Cal.* 4-tooth'd. *Cor.*  
 4-petal'd, funnel - form. *Filaments*  
 flattish. *Stigma* simple.

*pedunculata.* 1. JAMBOLIFERA. *peduncled.*

472. MELLICOCCA. *Cal.* 4-parted. *Petals* 4,  
 reflected beneath the calyx. *Stigma*  
 rather targetted. *Drupe* leathery.

*bijuga.* 1. MELLICOCCA. *twice-pair'd.*

1335. GUAREA. *Cal.* 4-tooth'd. *Petals* 4.  
*Nectary* cylindric, bearing the Anthers  
 in its mouth. *Caps.* 4-cell'd, 4-val-  
 ved. *Seeds* solitary.

*trichilioides.* GUAREA. *trichilia-like*

473. AMYRIS. *Cal.* 4-tooth'd. *Petals* 4, oblong.  
*Stigma* 4-corner'd. *Berry* druped.

*Elemifera.* 8. *A.* leaves three'd and five-feather'd downy under-  
 neath, *Elemi-bearing.*

*sylvatica.* 1. *A.* leaves three'd notch'd acute. *wood.*

*maritima.* 2. *A.* leaves three'd notchletted obtuse. *sea.*

*gileadensis.* 5. *A.* leaves three'd most intire, peduncles lateral one-  
 flower'd. *gilead.*

*Opobalsa-* 6. *A.* leaves feather'd: leaflets sessile.  
*mum.*

*toxifera.* 3. *A.* leaves feather'd: leaflets petioled flat. *poison-*  
*bearing.*

292. EIGHT MALES. ONE FEMALE. Amyris.

- Protium*. 7. A. leaves feather'd : with leaflets petioled waved.  
*balsamifera*. 5. A. leaves twice-pair'd. *balsam-bearing*.  
*ambrosiaca*. A. leaves feather'd petioled, panicles crowded axillary. S. *ambrosial*.

470. XIMENIA. *Cal.* 4-cleft. *Petals* 4, hairy, revolute. *Drupe* 1-seeded.

- americana*. 1. X. leaves oblong peduncled many-flower'd. *american*.  
*inermis*. 2. X. leaves egg'd, peduncles one-flower'd. *unarm'd*.

128. FUSCHIA. *Cal.* none. *Cor.* 8-cleft. *Berry* beneath, 4-cell'd, many-seeded.

- triphylla*. F. peduncles one-flower'd. *three-leaved*.  
*multiflora*. F. peduncles many-flower'd. *many-flower'd*.  
*excorticata*. F. peduncles axillary one-flower'd, leaves egg'd alternate. S. *barkless*.

1258. CHLORA. *Cal.* 8-leaved. *Cor.* 1-petal'd, 8-cleft. *Capsf.* 1-cell'd, 2-valved, many-seeded.

- perfoliata*. 1. C. leaves leaf-pierced. *leaf-pierced*.  
*quadrifolia*. 2. C. leaves four-fold. *four-leaved*.  
*12-andra*. 3. C. leaves opposite. *twelve-male*.  
*imperfoliata*. C. corols six-cleft. *unleaf-pierced*.

1303. DODONÆA. *Cal.* 4-leaved. *Cor.* 0. *Capsf.* 3-cell'd, inflated. *Seeds* twofold.

- angustifolia*. D. leaves linear. S. *narrow-leaved*.  
*viscosa*. D. leaves oblong. S. *viscous*.

482. LAWSONIA. *Cal.* 4-cleft. *Petals* 4. *Stamens* 4 pairs. *Caps.* 4-cell'd, many-seeded.

- spinosa.* 2. L. branches thorny. *thorny.*  
*Acronychia.* L. unarm'd, leaves long-petioled wedge-form. *S.*  
*inermis.* L. unarm'd, leaves subfessile egg'd pointed at both ends. *S.* *evening.*  
*unarm'd.*

481. MEMECYLON. *Cal.* above with bottom striated, margin most intire. *Cor.* 1-petal'd. *Anthers* inserted on the side of the top of the filament. *Berry* crown'd with a cylindric calyx.

- capitellatum.* M. leaves egg'd. *headletted.*

483. VACCINIUM. *Cal.* above. *Cor.* 1-petal'd. *Filaments* inserted on the receptacle. *Berry* 4-cell'd, many-seeded.

\* *Leaves annual or deciduous.*

- Myrtillus.* 1. V. peduncles one-flower'd, leaves saw'd egg'd deciduous, stem angled. *bilberry.*  
*flamineum.* 2. V. peduncles solitary one-flower'd, anthers longer than the corol, leaves oblong most-intire. *flamen.*  
*uliginosum.* 3. V. peduncles one-flower'd, leaves most intire inverse-egg'd obtuse polish'd. *marsh.*  
*album.* 4. V. peduncles simple, leaves most intire egg'd downy underneath. *white.*  
*mucronatum.* 5. V. peduncles most simple one-flower'd, leaves egg'd dagger'd smooth most intire. *dagger'd.*  
*corymbosum.* 6. V. flowers corymb'd egg'd, leaves oblong pointed most intire. *corymb'd.*  
*frondosum.* 7. V. racemes thread-form leafy, leaves oblong most intire. *leafy.*  
*ligustrinum.* 8. V. racemes naked, stem shrubby, leaves notchletted oblong. *privet.*  
 9. V.

294. EIGHT MALES. ONE FEMALE. Vaccinium.

*Arctostaphylos*. 9. V. flowers racemed, leaves notchletted egg'd acute, stem arborefcnt.

\*\* *Leaves ever green.*

*Vitis idaea*. 10. V. racemes terminal nodding, leaves inverfe-egg'd revolute moft intire dotted underneath. *wine of Ida.*

*Oxycoccus*. 11. V. leaves moft intire revolute egg'd, ftems creeping thread-form naked. *cranberry.*

*hispidulum*. 12. V. leaves moft intire revolute egg'd, ftems creeping thread-form hispid. *hispidifh.*

484. ERICA. *Cal.* 4-leaved. *Cor.* 4-cleft. *Filaments* inferted on the receptacle. *Anthers* two-cleft. *Caps.* four-cell'd. *Heath.*

\* *Anthers awn'd, leaves oppofite.*

*vulgaris*. 1. E. anthers awn'd, corols bell'd fubequal, calyxes double, leaves oppofite arrow'd. *common.*

*lutea*. E. anthers awn'd, corols egg'd pointed, flowers collected, leaves oppofite linear. *yellow.*

———— *With Leaves threefold.*

*balicacaba*. 27. E. anthers awn'd, corols egg'd inflated, ftyle included, leaves three-fold, flowers folitary.

*regerminans*. E. anthers awn'd, corols egg'd, ftyle included, calyxes acute, flowers racemed, leaves three-fold. *regerminant.*

*mucosa*. E. anthers awn'd, corols fubglobular mucous, ftyle included, leaves three-fold, *mucous.*

*bergana*. E. anthers awn'd, corols bell'd, ftyle included, calyxes reflected, leaves three-fold.

*depressa*. E. anthers awn'd, corols bell'd, ftyle included, flowers thin, leaves three-fold, stem deprefs'd. *depress'd.*

*pilulifera*. 31. E. anthers awn'd, corols bell'd, ftyle included, leaves three-fold, flowers umbel'd. *ball-bearing.*

*viridipurea*. 7. E. anthers awn'd, corols bell'd, ftyle included, leaves three-fold, flowers fcattered. *green-purple.*

*pentaphylla*. 23. E. anthers awn'd, corols bell'd, ftyle included, leaves three-fold, flowers pubefcent. *five-leaved.*

43. E.

- nigrita*. 43. E. anthers awn'd, corols bell'd, style included, calyxes imbricated three-flower'd sessile. *black*.
- planifolia*. 35. E. anthers awn'd, corols bell'd, style protruded, leaves three-fold most expanding. *flat-leaved*.
- scoparia*. 5. E. anthers awn'd, corols bell'd with the stigma protruded targetted, leaves three-fold. *beesom*.
- arborescens*. 9. E. anthers awn'd, corols bell'd with the style protruded, leaves three-fold, branchlets hoary. *arborescent*.
- vespertina*. E. leaves three-fold, corols bell'd, anthers awn'd, style protruded. S, *evening*.

———— *With leaves four-fold.*

- ramentacea*. E. anthers awn'd, corols globular, style included, stigma double, leaves four-fold bristly. *dust*.
- perfoliata*. E. anthers awn'd, corols bell'd, style included, calyxes fringed, leaves four-fold. *perfoliate*.
- Tetralix*. 8. E. anthers awn'd, corols egg'd, style included, leaves four-fold fringed, flowers headed.
- pubescens*. 24. E. anthers awn'd, corols egg'd, style included, leaves four-fold rugged, flowers sessile lateral. *pubescent*.
- abietina*. 22. E. anthers awn'd, corols gross, style included, leaves fourfold, flowers sessile. *fir*.
- mammosa*. E. anthers awn'd, corols gross, style protruded, leaves four-fold. *nipples*.
- caffra*. 9. E. anthers awn'd, corols egg'd, style protruded, leaves fourfold pubescent, flowers collected.
- sessiliflora*. E. anthers awn'd, leaves fourfold, style protruded, spike with flowers sessile deflected oblong. S. *sessile-flower'd*.

\* \* *Anthers crested, leaves threefold.*

- triflora*. 33. E. anthers crested, corols globe-bell'd, style included leaves threefold, flowers terminal. *three-flower'd*.
- baccans*. E. anthers crested, corol globe-bell'd cover'd, style included, leaves threefold imbricated. *berrying*.
- gnaphalodes*. 34. E. anthers crested, corols egg'd cover'd, style included, leaves threefold, stigma four-parted. *gnaphalium-like*.
- corifolia*. 32. E. anthers crested, corols egg'd, style included, calyxes top-shape; leaves threefold, flowers umbel'd. *coris-leaved*.

296. EIGHT MALES. ONE FEMALE. *Erica*.

- articularis*. E. anthers crested, corols egg'd pointed, style included longer than the calyx, leaves threefold. *jointed*.
- calycina*. 23. E. anthers crested, corols egg'd, style included, calyxes most expanded wheel'd, leaves threefold. *calycine*.
- cinerea*. 4. E. anthers crested, corols egg'd, style rather protruded, leaves threefold, stigma headed. *asby*.
- paniculata*. 36. E. anthers crested, corols bell'd, style protruded, leaves threefold, flowers minute. *panicked*.
- australis*. E. anthers crested, corols cylindric, style protruded, leaves threefold expanding. *southern*.

———— *With leaves fourfold.*

- physodes*. 26. E. anthers crested, corols egg'd inflated, style included, leaves fourfold, flowers subsessile.
- empetri-folia*. 30. E. anthers crested, corols egg'd, leaves fourfold, flowers sessile lateral. *empetrum-leaved*.
- retorta*. E. anthers rather crested, leaves fourfold recurved, corols egg-oblong, style middling. *S. retorted*.
- cernua*. E. crested, leaves fourfold, style included, corol egg'd, calyx fringed, flowers eightfold bowing. *S. bowing*.

\*\*\* *Anthers awnless included: with leaves opposite.*

- tenuifolia*. 22. anthers awnless included, corols and calyx bloody, leaves opposite. *slender-leaved*.
- Passerinæ*. E. leaves opposite, corols bell'd, anthers included awnless, pistil protruded. *S-*

———— *With leaves threefold.*

- albens*. E. anthers awnless included, corols egg'd oblong acute, leaves threefold, racemes one-rank'd. *white*.
- spumosa*. 37. E. anthers awnless included, corols threefold cover'd by the common calyx, styles protruded, leaves threefold. *frothy*.
- capitata*. 16. E. anthers awnless middling, corols cover'd with the woolly calyx, leaves threefold, flowers sessile. *beaded*.
- melanthera*. E. anthers awnless middling, corols bell'd longer than the colour'd calyx, style protruded, leaves threefold. *black-flower'd*.
- E.



- absynthioides.* E. anthers awnless included, corols egg-bell'd, style protruded, stigma funnel-form, leaves threefold. *absynthium-like.*
- ciliaris.* 11. E. anthers awnless included, corols egg'd gross, style protruded, leaves threefold, racemes one-rank'd. *fringed.*
- bispidula.* E. anthers awnless included, corols roundish, leaves mostly threefold egg'd acute fringed, stem hispid. S. *bispidish.*
- *With leaves fourfold.*
- tubiflora.* 20. E. anthers awnless included, corols club'd gross, style included, leaves fourfold rather fringed. *tube-flower'd.*
- curviflora.* 19. E. anthers awnless included, corols club'd gross, style included, leaves fourfold smooth. *curve-flower'd.*
- coccinea.* 18. E. anthers awnless nearly included, corols club'd gross, style included, calyxes shaggy, leaves fourfold. *scarlet.*
- cerinthoides.* 21. E. anthers awnless included, corols club'd gross, stigma included cross'd, leaves fourfold. *cerinthe-like.*
- fascigiata.* E. anthers awnless included, corols salver-form fascicled, style included, leaves fourfold. *level-top'd.*
- cubica.* E. anthers awnless included, corols bell'd acute, style included, calyxes four-corner'd, leaves fourfold. *cubic.*
- denticulata.* E. anthers awnless included, corols egg-funnel-form, style included, calyxes toothletted, leaves fourfold. *toothletted.*
- viscaria.* E. anthers awnless included, corols bell'd glutinous, style included, leaves fourfold, flowers racemed. *viscous.*
- granulata.* E. anthers awn'd included, corols globular, style included, calyxes subimbricated, leaves fourfold. *granulated.*
- comosa.* E. anthers awnless included, corols egg-oblong, style included, leaves fourfold, flowers collected. *tufted.*

\*\*\* Anthers awnless protruded, leaves threefold.

- Plukenetii.* 17. E. anthers awnless longest protruded, corols cylindric, style protruded, calyxes simple, leaves threefold. *of Plukenet.*

- Petiveri.* E. anthers awnless most long protruded, corols acute, style protruded, calyxes imbricated, leaves threefold. *of Petiver.*
- nudiflora.* E. anthers awnless protruded, corols cylindric, style protruded, leaves threefold, branches downy. *naked-flower.*
- Bruniades.* 15. E. anthers awnless protruded, corols cover'd with the woolly calyx, leaves threefold, flowers scatter'd. *Brunia.*
- imbricata.* 12. E. anthers awnless protruded, corols bell'd, calyxes imbricated, style protruded, leaves threefold. *imbricated.*
- umbellata.* 2. E. anthers awnless protruded, corols bell'd, style protruded, leaves threefold awny. *umbel'd.*
- leucanthera.* E. leaves threefold, style protruded, corol bell'd, calyx white, flowers threefold, stamens awnless protruded. S. *white-flower'd.*

———— *With leaves fourfold, or more.*

- purpuref-cens.* 10. E. anthers awnless protruded, corols bell'd, style protruded, leaves fourfold, flowers scatter'd. *purpling.*
- vagans.* E. anthers awnless protruded, corols bell'd, style protruded, leaves fourfold, flowers solitary. *straggling.*
- herbacea.* 3. E. anthers awnless protruded, corols oblong, style protruded, leaves fourfold, flowers one-rank'd. *herbaceous.*
- multiflora.* 13. E. anthers awnless protruded, corols cylindric, style protruded, leaves fivefold, flowers scatter'd. *many-flower'd.*
- miditerranea.* E. anthers awnless protruded, corols egg'd, style protruded, leaves fourfold expanding, flowers scatter'd. *miditerranean.*

\*\*\*\* *From the Suppl. Plant. not reducible to the foregoing heads.*

- Sparmanni.* E. leaves fourfold, imbricated fringed, heads four-flower'd, corols tubular lance-prickle-hispid, anthers awnless. S. *of Sparman.*
- fascicularis.* E. anthers awn'd, corols gross, style included, flowers fascicled, leaves numerous linear lop'd. S. *fascicled.*

- Thunbergii.* E. anthers awnless middling, corols flat: tube globular, style protruded, leaves three-fold. S. of *Thunberg.*
- Massoni.* E. anthers awnless included, corols cylindric gross, flowers headed, leaves eight-faced imbricated pubescent. S. of *Masson.*
- tetragona.* E. leaves threefold, style included, corol four-corner'd oblong, calyx linear, flowers racemed one-rank'd. S. *four-corner'd.*
- grandiflora.* E. leaves fourfold, style protruded, corol cylindric, calyx simple, lateral flowers subcurved. S. *great-flower'd.*
- Monsoniana.* E. leaves threefold, style included, corols oblong inflated, calyx calyced, flowers of the obtuse branchlets terminal. S. of *Monson.*

1304. OPHIRA. *Involucre* two-valved, 3-flower'd.  
*Cor.* 4-petal'd above. *Berry* 1-cell'd.

*stricta.* OPHIRA. *upright.*

485. DAPHNE. *Cal.* 0. *Cor.* 4-cleft, corolla-  
 ceous, withering, including the sta-  
 mens. *Berry* one-seeded.

\* *With flowers lateral.*

- Mezereum.* 1. D. flowers sessile threefold on the stem, leaves lanced deciduous. *Mazereon.*
- Thymelaea.* 2. D. flowers sessile axillary, leaves lanced, stems simplest.
- pubescens.* 13. D. flowers sessile lateral aggregate, leaves lance-linear, stem pubescent. *pubescent.*
- villosa.* 3. D. flowers sessile lateral solitary, leaves lanced flat fringed hairy crowded. *villous.*
- Tartonraira.* 4. D. flowers sessile aggregate axillary, leaves egg'd pubescent on both sides nerved.
- alpina.* 5. D. flowers sessile aggregate lateral, leaves lanced obtusifish, downy underneath. *alpine.*
- Laureola.* 6. D. racemes axillary five-flower'd, leaves lanced smooth. *spurge-laurel.*
- pontica.* 7. D. peduncles lateral two-flower'd, leaves lance-egg'd. *pontic.*

300. EIGHT MALES. ONE FEMALE. *Daphne*.

*dioca*. D. flowers axillary double, leaves linear-lanced. *S.*  
two-house.

\*\* *With flowers terminal.*

- indica*. 8. D. head terminal peduncled, leaves opposite oblong-egg'd smooth. *indian.*
- Cneorum*. 9. D. flowers fascicled terminal sessile, leaves lanced naked dagger'd.
- Gnidium*. 10. D. panicle terminal, leaves linear-lanced pointed.
- squarrosa*. 11. D. flowers terminal peduncled, leaves scatter'd linear expanding dagger'd. *ragged.*
- oleodes*. 12. D. flowers double terminal sessile, leaves ellipse-lanced smooth. *olea-like.*
- fœtid*. D. smooth, flowers terminal collected sessile, leaves opposite petioled egg-oblong acute. *S. fœtid.*
- rotundifolia*. D. shaggy, flowers terminal collected sessile, leaves opposite elliptic subpetioled obtuse smooth. *S. round-leaved.*

486. DIRCA. *Cal.* o. *Cor.* tubular with an obscure border. *Stamens* longer than the tube. *Berry* one-seeded.

*palustris*. 1. DIRCA. *marsh.*

487. GNIDIA. *Cal.* funnel-form, 4-cleft. *Petals* 4, inserted on the calyx. *Seed* 1, somewhat berried.

- pinifolia*. 1. G. leaves scatter'd linear: floral leaves verticil'd. *pine-leaved.*
- radiata*. 4. G. leaves awl'd three-sided acute, heads terminal sessile radiate, bractes lanced. *radiate.*
- simplex*. 5. G. leaves all linear acute, flowers terminal sessile. *simple.*
- tomentosa*. 2. G. leaves scatter'd egg-oblong smooth rugged on the margin. *downy.*
- sericea*. 6. G. leaves egg'd downy: floral leaves fourfold, stem shaggy, crown of the flowers with eight bristles. *silky.*
- oppositifolia* 3. G. leaves opposite lanced. *opposite-leaved.*

G.

- capitata.* G. leaves scatter'd lanced smooth, flowers headed fortified with bractes, peduncle naked. S. *headed.*
- filamentosa.* G. leaves elliptically egg'd most smooth approximated, flowers headed, filaments capillary. S. *filament.*
- imbricata.* G. leaves oblong imbricated four ways filky, terminal flowers in the axils of the leaves. S. *imbricated.*
- pinifolia.* G. leaves linear-awl'd flat above acute, flowers two-fold axillary. S. *pine-leaved.*
- Daphnæfolia.* G. ten-male, leaves oblong flat most intire, head terminal peduncled involucred, flowers five-cleft. S. *Daphne-leaved.*

488. STELLERA. *Cal.* o. *Cor.* 4-cleft. *Stamens* most short. *Seed* one, beak'd.

- Passerina.* 1. S. leaves linear, flowers four-cleft.
- Chamæjasme.* 2. S. leaves lanced, corols five-cleft.

489. PASSERINA. *Cal.* o. *Cor.* 4-cleft. *Stamens* placed in the tube. *Seed* 1, bark'd. *Sparrow Wort.*

- filiformis.* 1. P. leaves linear convex four ways imbricated, branches downy. *thread-form.*
- hirsuta.* 2. P. leaves fleshy smooth without, stems downy. *shaggy.*
- ericoides.* P. leaves linear polish'd subimbricated, corols globular. *heath-like.*
- capitata.* 7. P. leaves linear smooth, heads peduncled downy. *headed.*
- ciliata.* 3. P. leaves lanced rather fringed erect, branches naked. *fringed.*
- uniflora.* 4. P. leaves linear opposite, flowers terminal solitary, branches smooth. *one-flower'd.*
- Anthylloides.* P. leaves egg'd villous, flowers headed shaggy. S. *Anthyllis-like.*
- spicata.* P. leaves egg'd villous, flowers lateral solitary. S. *spiked.*
- laxa.* P. leaves egg'd scatter'd, flowers headed, branches loose bowing. S. *loose.*

302. EIGHT MALES. ONE FEMALE. Passerina.

- grandiflora.* P. most smooth, leaves oblong acute concave wrinkled without, flowers terminal sessile solitary.  
S. *great-flower'd.*
- Gnidia.* P. two-male most smooth, leaves lanced acute. S.
- pilosa.* P. two-male hairy, leaves linear obtuse. S. *hairy.*
- prostrata.* P. two-male hairy, leaves egg'd. S. *prostrate.*

490. LACHNEA. *Cal.* o. *Cor.* 4-cleft: border unequal. *Seed* 1, somewhat berried.

- eriocephala.* 1. L. heads solitary woolly, leaves four ways imbricated.  
*wool-head.*
- conglomerata.* 2. L. heads crowded, leaves loose. *conglomerated.*

491. BÆCKEA. *Cal.* funnel-form 5-tooth'd.  
*Cor.* 5-petal'd. *Capsf.* globular, 4-cell'd crown'd.

- frutescens.* 1. BÆCKEA. *shrub-growing.*

T W O F E M A L E S.

(*Digynia.*)

1259. SCHMIEDELIA. *Cal.* 2-leaved. *Cor.* 4-petal'd. *Germ* pedicel'd, longer than the flower.

- racemosa.* SCHMIEDELIA. *racemed.*

492. GALENIA. *Cal.* 4-cleft, *Cor.* o. *Capsf.* roundish, 2-seeded.

- africana.* G. erect shrubby, leaves linear fleshy. S. *african.*
- procumbens.* G. procumbent, leaves egg'd channel'd: the top expanded recurvate. S. *procumbent.*

493. WEIN-

493. WEINMANNIA. *Cal.* 4-leaved. *Cor.* 4-petal'd. *Capsf.* 2-cell'd, two-beak'd.

*racemosa.* W. leaves simple egg'd saw'd most smooth on both sides, stipules none. *S.* *racemed.*

*trifoliata.* W. leaves three'd: leaflets elliptically lanced saw'd most smooth, panicles compound. *S.* *three-leaved.*

*tomentosa.* W. leaves feather'd: leaflets egg'd most intire downy underneath, stipules falling off. *S.* *downy.*

*glabra.* W. leaves feather'd: leaflets inverfe-egg'd notch'd polish'd. *S.* *smooth.*

494. MOEHRINGIA. *Cal.* 4-leaved. *Petals* 4. *Capsf.* 1-cell'd, 4-valved. *Mountain Chickweed.*

*muscosa.* MOEHRINGIA. *mossy.*

1388. CODIA. *Cal.* 4-leaved, *Petals* 4. *Common Receptacle* involucred. *S.*

*montana.* CODIA. *mountain.*

### T H R E E F E M A L E S .

(*Trigynia.*)

495. POLYGONUM. *Cal.* 0. *Cor.* 5-parted, calycine. *Seed* 1, angled.

\* *Atraphaxis-like with stem shrub-growing.*

*frutescens.* 1. P. stem shrubby, two calyx-leaflets reflected. *shrub-growing.*

\* \* *Bistorts*

304. EIGHT MALES. THREE FEMALES. Polygonum.

\*\* Bistorts with one spike

- Bistorta*. 2. P. stem most simple one-spiked, leaves egg'd decurrent upon the petiole. *Bistort.*  
*viviparum*. 3. P. stem most simple one-spiked, leaves lanced. *viviparous.*

\*\*\* *Perficarias with Pistil two-cleft, or the stamens less than eight.*

- virginianum*. 4. P. flowers five-male half-two-female, corols four-cleft unequal, leaves egg'd. *virginian.*  
*lapathifolium*. 5. P. flowers five-male half-two-female, stamens equal to the regular corol. *lapathum-leaved.*  
*amphibium*. 6. P. flowers five-male half-two-female, spike egg'd. *amphibious.*  
*ocreatum*. 8. P. flowers five-male three-female, leaves lanced. *booted*  
*Hydropiper*. 9. P. flowers six-male half-two-female, leaves lanced, stipules nearly awnless. *water-pepper.*  
*Perficaria*. 10. P. flowers six-male two-female, spikes egg-oblong, leaves lanced, stipules fringed.  
*barbatum*. 11. P. flowers six-male three-female, spikes twiggy, stipules lop'd bristle-fringed, leaves lanced. *bearded.*  
*orientale*. 12. P. flowers seven-male two-female, leaves egg'd, stem erect, stipules shaggy salver-form. *oriental.*  
*pensylvanicum*. 13. P. flowers eight-male two-female, peduncles hispid, leaves lanced, stipules awnless. *pensylvanian.*

\*\*\*\* *Polygonumæ with leaves undivided, flowers eight-male.*

- maritimum*. 14. P. flowers eight-male three-female axillary, leaves oval-lanced ever-green, stem somewhat shrub-growing. *sea.*  
*aviculare*. 15. P. flowers eight-male three-female axillary, leaves lanced, stem procumbent herbaceous. *bird.*  
*erectum*. 16. P. flowers eight-male three-female axillary, leaves oval, stem erect herbaceous. *erect.*  
*articulatum*. 17. P. flowers eight-male three-female, spikes jointed paniced, stipules sheathy lop'd. *jointed.*  
*divaricatum*. 18. P. flowers eight-male three-female racemed, leaves lanced, stem divaricated expanded. *divaricated.*  
*serratum*. 7. P. leaves notch'd. *saw'd.*  
*sibiricum*. P. flowers eight-male three-female racemed, leaves egg-lanced waved rugged, stipules shaggy. *Siberian.*

\*\*\*\*\* *Helxine*



\*\*\*\*\* Helxine with leaves rather hearted

- chinense*. 19. P. leaves eight-male three-female, peduncles rugged, leaves egg'd, bractes hearted. *china.*
- sagittatum*. 21. P. leaves arrow'd, stem prickly. *arrow'd.*
- arifolium*. 22. P. leaves halberted, stem prickly. *arum-leaved.*
- perfoliatum*. 20. P. leaves triangular, stem prickly, stipules leafy-leaf-pierced expanding roundish. *leaf-pierced.*
- tataricum*. 23. P. leaves heart-arrow'd, stem unarmed erect, seeds rather tooth'd. *tartarian.*
- Fagopyrum*. 24. P. leaves heart-arrow'd, stem erectish unarmed, angles of the seeds equal.
- Convolvulus*. 25. P. leaves hearted, stem twining angled, flowers obtuse.
- dumetorum*. 26. P. leaves hearted, stem twining polish'd, flowers keel-wing'd. *bush.*
- scandens*. 27. P. leaves hearted, stem erect climbing. *climbing.*

496. COCCOLOBA. *Cal.* 5-parted, colour'd.  
*Cor.* o. *Berry* calycine, one-seeded.

- Uvifera*. 1. C. leaves heart-roundish glossy. *grape-bearing.*
- pubescens*. 2. C. leaves orbicular pubescent. *pubescent.*
- excoriata*. 4. C. leaves egg'd, branches as if barkless. *excoriated.*
- punctata*. 3. C. leaves lance-egg'd. *dotted.*
- emarginata*. 5. C. leaves leathery roundish gash-end-nick'd. *end-nick'd.*
- barbadensis*. 6. C. leaves heart-egg'd waved. *barbadoes.*
- tenuifolia*. 4. C. leaves egg'd membranous. *slender-leaved.*

497. PAULLINIA. *Cal.* 4-leaved. *Petals* 4.  
*Nectary* 4-leaved, unequal. *Caps.* 3.  
compress'd, membranous, conjoin'd.

- asiatica*. 1. P. leaves three'd, petioles and stem prickly. *asiatic.*
- Seriana*. 2. P. leaves three'd, petioles naked, leaflets egg-oblong.
- nodosa*. P. leaves three'd, petioles naked, the middle leaflet inverse-egg'd. *knotted.*
- Cururu*. 3. P. leaves three'd, petioles margin'd.
- mexicana*. 4. P. leaves thrice-three'd, petioles all margin'd, stem prickly. *mexican.*

306. EIGHT MALES. THREE FEMALES. Paullinia.

- carthaginensis*. P. leaves thrice-three'd, petioles all margin'd, stem unarm'd. *carthaginian.*
- caribæa*. P. leaves thrice-three'd, petiolets all margin'd, branches prickly. *caribbean.*
- curassavica*. 5. P. leaves thrice-three'd, petiolets all margin'd, branches unarm'd. *curassao.*
- barbadensis*. P. leaves thrice-three'd, the intermediate petiole margin'd, the rest naked. *barbadoes.*
- polyphylla*. 6. P. leaves three times thrice-three'd, petiolets naked. *many-leaved.*
- triternata*. P. leaves three times thrice-three'd, petiolets margin'd. *three times thrice-three'd.*
- pinnata*. 7. P. leaves feather'd, petioles margin'd, leaflets glossy. *feather'd.*
- tomentosa*. P. leaves feather'd, petioles margin'd, leaflets downy. *downy.*
- diversifolia*. P. leaves superdecompound, petioles margin'd: the lowest feather'd, the rest three'd. *diverse-leaved.*

498. CARDIOSPERMUM. *Cal.* 4-leaved. *Petals* 4. *Nectary* 4-leaved, unequal. *Caps.* 3, conjoin'd inflated.

- Halicacabum*. 1. C. leaves polish'd.
- Corindum*. 2. C. leaves downy underneath.

499, SAPINDUS. *Cal.* 4-leaved. *Petals* 4. *Caps.* fleshy, conjoin'd, bellied. *Soap-Berry.*

- Saponaria*. 1. S. leaves odd-feather'd, stem unarm'd.
- spinosus*. 3. S. leaves abruptly feather'd, stem most thorny. *thorny.*
- trifoliatus*. 2. S. leaves three'd. *three-leaved.*
- chinensis*. S. leaves feather'd, leaflets jagg'd. *china.*

FOUR FEMALE S.

(*Tetragynia.*)

500. PARIS. *Cal.* 4-leaved. *Petals* 4, narrower. *Berry* 4-cell'd.

*quadrifolia.* PARIS. *four-leaved.*

501. ADOXA. *Gal.* 2-cleft, beneath. *Cor.* 4 or 5-cleft, above. *Berry* 4 or 5-cell'd, with the calyx coalesced.

*Moscatellina.* I: ADOXA.

502. ELATINE. *Cal.* 4-leaved. *Petals* 4. *Caps.* 4-cell'd, 4-valved, depresso'd. *Water-Wort.*

*Hydropiper.* I. E. leaves opposite. *water-pepper.*  
*Alfinastrum.* 2. E. leaves verticil'd.

1389. HALORAGIS. *Cal.* above, 4-cleft. *Petals* 4. *Drupe* dry. *Nut* 4-cell'd. S.

*prostrata.* HALORAGIS. *prostrate*



C L A S S IX.

N I N E M A L E S.

( *Enneandria.* )

O N E F E M A L E.

( *Monogynia.* )

- 504 T I N U S . . . . . *Cal.* 5-cleft. *Cor.* 5-petal'd *Berry* 3-cell'd.  
*Seed* 1.
- 503 L A U R U S . . . . . *Cal.* 0. *Cor.* 6-petal'd, calycine. *Berry*  
1-seeded. Glands of the *Nectary*  
2-bristled.
- 520 A N A C A R D I U M . . . . . *Cal.* 5-parted. *Cor.* 5-petal'd. *Stamen* the  
tenth castrated. *Nut* with a fleshy  
receptacle.
- 505 C A S S Y T A . . . . . *Cal.* 0. *Cor.* 6-parted, calycine. *Berry*  
1-seeded. Glands of the *Nectary*  
lop'd.

\* *Anacardium* 520 with the tenth stamen castrated.

T H R E E

T H R E E F E M A L E S.

(*Trigynia.*)

506 RHEUM. Cal. 0. Cor. 6-cleft. Seed 1, three-  
fided.

S I X F E M A L E S.

(*Hexagynia*)

507 BUTOMUS. Cal. 0. Cor. 6-petal'd. Caps. 6, many-  
seeded.

ONE FEMALE.

(*Monogynia.*)

503. LAURUS. *Cal.* 0. *Cor.* calycine, 6-parted.  
*Nectary* with glands 3, two-bristled,  
 surrounding the germ. *Interiour Fi-*  
*laments* gland-bearing. *Drupe* 1-feed-  
 ed. *Bay.*

- |                                |  |
|--------------------------------|--|
| <i>Cinnamo-</i><br><i>mum.</i> | 1. L. leaves three-nerved egg-oblong: the nerves van-<br>ishing towards the top. <i>cinnamon.</i>          |
| <i>Cassia.</i>                 | 2. L. leaves tripple-nerved lanced. <i>cassia.</i>   |
| <i>Camphora.</i>               | 3. L. leaves tripple-nerved lance-egg'd. <i>camphor.</i>   |
| <i>Culilaban.</i>              | L. leaves tripple-nerved opposite.   |
| <i>Chloroxylon.</i>            | 4. L. leaves three-nerved egg'd leathery: the nerves<br>reaching the top. <i>yellow-wood.</i>              |
| <i>nobilis.</i>                | 5. L. leaves lanced vein'd perennial, flowers four-cleft.<br><i>noble.</i>                                 |
| <i>indica.</i>                 | 6. L. leaves lanced perennial flat, branchlets tubercled<br>with scars, flowers racemed. <i>indian.</i>    |
| <i>Persea.</i>                 | 7. L. leaves egg'd leathery transversly vein'd perennial,<br>flowers corymbed.                             |
| <i>Borbonia.</i>               | 8. L. leaves lanced perennial, calyxes of the fruit berried.   |
| <i>estivalis.</i>              | 9. L. leaves vein'd oblong pointed annual, branches<br>wrinkled underneath above the axils. <i>summer.</i> |
| <i>Benzoin.</i>                | 10. L. leaves nerveless egg'd acute at both ends intire<br>annual.   |
| <i>Sassafras.</i>              | 11. L. leaves three-lobed and intire.  |

520. ANACARDIUM. *Cal.* 5-parted. *Petals* 5,  
 reflected. *Anthers* 9: with one cas-  
 trated. *Nut* kidney-form above the  
 fleshy receptacle. *Cashew-Nut.*

*occidentale.* I. ANACARDIUM. *occidental.*

504. TINUS. *Cal.* 5-cleft. *Cor.* 5-parted. *Nectary* pitcher'd, included in the germ. *Berry* 3-cell'd. *Seed* solitary.

*occidentalis.* A. TINUS.

*occidental.*

505. CASSYTA. *Cor.* calycine, 6-parted. *Nectary* with 3 glands, lop'd, furrounding the germ. *Interiour Filaments* gland-bearing. *Drupe* 1-seeded.

*filiformis.* 1. C. thread-form loose.  
*corniculata.* C. branches woody thorny.

*thread-form.*  
*horned.*

T H R E E F E M A L E S .

( *Trigynia.* )

506. RHEUM. *Cal.* 0. *Cor.* 6-cleft, permanent. *Seed* 1, three-sided. *Rhubarb.*

*Rhaponticum.* 1. R. leaves smooth, petioles rather furrow'd.

*Rhabarbarum.* 2. R. leaves subvillous, petioles equal.

*palmatum.* 3. R. leaves handed pointed. *banded.*

*compactum.* 4. R. leaves sublobed most obtuse most smooth lucid denticled. *compact.*

*Ribes.* 5. R. leaves granulated, petioles equal.  
*tataricum.* R. leaves heart-egg'd intire flat most smooth, petioles half-columnar angled, panicle furrow'd. *S. tartarian.*

312. NINE MALES. SIX FEMALES. Butomus.

SIX FEMALES.

(Hexagynia.)

507. BUTOMUS. Cal. 0. Petals 6. Caps. 6,  
many-seeded. Flowering-Rush.

umbellatus. 1. BUTOMUS.

umbel'd.

CLASS





- 1398 MYROXYLON. *Cal.* bell'd. *Superiour Petal* greater than the rest. *Legume* one-seeded. *S.*
- 513 PARKINSONIA. *Cor.* lowest petal kidney-form. *Legume* columnar twisted.
- 516 CÆSALPINIA. *Cor.* lowest petal more beautiful. *Legume* rhombic. *Seed* rhombic.
- 524 TOLUIFERA. *Cor.* lowest petal larger. *Cal.* bell'd.
- 514 CASSIA. *Cor.* unequal. *Anthers* beak'd. *Legume* intercepted with isthmuses.
- 517 GUILANDIA. *Cor.* subequal sitting on the calyx. *Legume* rhombic. *Seeds* bony.
- 522 DICTAMNUS. *Cor.* expanded. *Filaments* dusky. *Capsf.* 5, connected. *Seeds* aril'd.

\*\* *Flowers many-petal'd equal.*

- 519 CYNOMETRA. *Cal.* 4-parted: the opposite divisions larger. *Legume* 1-seeded, fleshy.
- 1260 PROSOPIS. *Cal.* hemispheric. *Legume* many-seeded.
- 526 ADENANTHERA. A Gland sitting on the *Anthers*. *Legume* compress'd membranous.
- 525 HÆMATOXYLON. *Stigma* of the *Pistil* end-nick'd. *Silique* with valves boated.
- 528 TRICHILIA. *Nectary* tubular, 5-tooth'd. *Capsf.* 3-cell'd, 3-valved. *Seeds* berried.
- 1306 TURRÆA. *Nectary* tubular, 10-tooth'd. *Capsf.* 5-grain'd. *Seeds* twofold.
- 527 MELIA. *Nectary* tubular, 10-tooth'd. *Drupe* with nucleus 5-cell'd.
- 521 SWIETENIA. *Nectary* tubular, 10-tooth'd. *Capsf.* woody, 5-valved. *Seeds* imbricated with a membranous margine.
- 518 GUAJACUM. *Cal.* two exterior divisions less. *Capsf.* fleshy, 3-or-5-cell'd, angled.
- 523 RUTA. *Germ* with 10 honey-bearing points. *Capsf.* 5-cleft, 5-cell'd, many-seeded.
- 532 TRIBULUS. *Style* of the *Pistil* none. *Capsf.* 5, connected, many-seeded.
- 531 FAGONIA. *Cor.* claws inserted on the calyx. *Capsf.* 5-cell'd, 10-valved, 1-seeded.
- 530 ZYGOPHYLLUM. *Scales* of the *Nectary* 10, at the base of the stamens. *Capsf.* 5-cell'd many-seeded

- 529 QUASSIA. *Capsf.* 5, two-valved, 1-seeded, inserted on the fleshy receptacle.
- 533 THRYALLIS. *Cor.* 5-petal'd. *Capsf.* three-grain'd.
- 534 LIMONIA. *Cor.* 5-petal'd. *Berry* 3-seeded.
- 535 HEISTERIA. *Cor.* 5-petal'd. *Drupe* sitting on the colour'd enlarged calyx.
- 539 QUISQUALIS. *Cor.* 5-petal'd, sitting on the thread-form calyx. *Drupe* dry.
- 536 MONOTROPA. *Cal.* corolline, gibbous at the base. *Capsf.* 5-cell'd many-seeded.
- 553 CLETHRA. Stigmas of the *Pistil* three. *Capsf.* 3-cell'd, many-seeded.
- 554 PYROLA. *Anthers* two-horn'd upwards. *Capsf.* 5-cell'd, many-seeded.
- 546 LEDUM. *Cor.* flat, 5-parted. *Capsf.* 5-cell'd, many-seeded.
- 1307 DIONÆA. *Cal.* 5-leaved. *Stigma* fringed. *Capsf.* 1-cell'd. *Seed* at the base of the capsule.
- 1341 MURRAYA. *Berry* 1-seeded. *Cor.* 5-petal'd. *Nectary* surrounding the germ with a margin.
- 1261 CHALCAS. *Berry* 2-seeded. *Cor.* bell'd.
- 544 MELASTOMA. *Cor.* sitting on the calyx. *Anthers* refracted, *Berry* 5-cell'd, cloath'd with the calyx,
- 538 JUSSIEUA. *Cor.* 4-or-5-petal'd. *Capsf.* beneath.

\* *Rhexia Acisanthera.*

*Geraniums.* *Conocarpus racemed.*

*Lythrum shrubby.*

*Facquinia racemed.*

\*\*\* *Flowers one-petal'd equal,*

- 1285 CODON. *Cor.* bell'd, 10-cleft. *Cdl.* 10-parted. *Capsf.* many-seeded.
- 549 ANDROMEDA. *Cor.* bell'd, round. *Capsf.* 5-cell'd.
- 548 RHODODENDRON. *Cor.* funnel-form. *Stamens* declining. *Capsf.* 5-cell'd.
- 1391 INOCARPUS. *Cor.* funnel-form. *Cal.* 2-cleft. *Drupe* one-seeded. *S.*
- 545 KALMIA. *Cor.* border 5-horn'd underneath, *Capsf.* 5-cell'd.

- 550 EPIGÆA. *Cal.* exterior 3-leaved; interior 5-leaved.  
*Caps.* 5-cell'd.
- 551 GUALTERIA. *Cal.* exterior 2-leaved: interior 5-cleft.  
*Caps.* 5-cell'd, calyx berried.
- 552 ARBUTUS. *Cor.* egg'd, diaphanous at the base. *Berry*  
5-cell'd.
- 595 STYRAX. *Cor.* funnel-form. *Drupe* two-seeded.
- 520 ANACARDIUM. *Cor.* with divisions reflected. *Drupe* with  
nucleus above, naked.

\* *Some Vacciniums.*

\*\*\* *Flowers petalless or incomplete.*

- 540 DAIS. *Cor.* one-petal'd. *Involucre* 4-leaved, many-  
flower'd.
- 543 SAMYDA. *Cal.* 5-parted. *Nectary* 10-cleft, surrounding  
the germ. *Caps.* berried, 3-cell'd.
- 541 BUCIDA. *Cal.* 5-parted. *Berry* 1-seeded.
- 542 COPAIFERA. *Cal.* 0. *Cor.* 4-petal'd.

\* *Stellera Chamæjasme.*

*Conocarpus racemed.*

## T W O F E M A L E S.

(*Digynia.*)

- 562 SCLERANTHUS. *Cor.* none. *Cal.* 5-cleft, above. *Seeds* 2.
- 537 TRIANTHEMA. *Cor.* none. *Caps.* circumcised.
- 558 CHRYSOSPLENI-  
UM. *Cor.* none. *Cal.* above. *Caps.* 2-cell'd. 2-  
beak'd.
- 555 ROYENA. *Cor.* 1-petal'd. *Cal.* bellied. *Caps.* 4-feed-  
ed, 4-valved.
- 557 HYDRANGEA. *Cor.* 5-petal'd. *Cal.* 5-cleft, above. *Caps.*  
2-cell'd, 2-beak'd, circumcised.
- 559 SAXIFRAGA. *Cor.* 5-petal'd. *Cal.* 5-parted. *Caps.* 1-cell'd,  
2-beak'd.

- 560 TIARELLA. *Cor.* 5-petal'd. *Cal.* corol-bearing. *Capsf.* two-valved: one larger.
- 561 MITELLA. *Cor.* 5-petal'd. *Cal.* corol-bearing. *Capsf.* two-valved. *Petals* comb'd.
- 556 CUNONIA. *Cor.* 5-petal'd. *Cal.* 5-leaved. *Capsf.* 2-cell'd, acute.
- 563 GYPSOPHILA. *Cor.* 5-petal'd. *Cal.* 5-parted, bell'd. *Capsf.* 1-cell'd, globular.
- 564 SAPONARIA. *Cor.* 5-petal'd. *Cal.* tubular naked at the base. *Capsf.* 1-cell'd, oblong.
- 565 DIANTHUS. *Cor.* 5-petal'd. *Cal.* tubular, scaly at the base, *Capsf.* 1-cell'd, oblong.

\* *Trianthema ten-male.*

### T H R E E F E M A L E S .

(*Trigynia.*)

- 569 ARENARIA, *Capsf.* 1-cell'd. *Petals* intire, expanding.
- 568 STELLARIA. *Capsf.* 1-cell'd. *Petals* 2-parted, expanding.
- 566 CUCUBALUS. *Capsf.* 3-cell'd. *Petals* 2-cleft with throat naked.
- 567 SILENE. *Capsf.* 3-cell'd. *Petals* 2-cleft with throat crown'd.
- 570 CHERLERIA. *Capsf.* 3-cell'd. *Nectaries* petal-like less than the calyx.
- 571 GARIDELIA. *Capsf.* distinct. *Petals* calycine. *Nectaries* 5, two-lip'd.
- 575 ERYTHROXYLON. *Drupe* 1-seeded. *Petals* furnished with a scale at the base.
- 572 MALPIGHIA. *Berry* 3-seeded. *Petals* 5, claw'd. *Cal.* glandular.
- 573 BANISTERIA, *Seeds* 3, one-wing'd. *Petals* 5, claw'd. *Cal.* glandular.
- 569 HIRÆA. *Capsf.* 3-wing'd, 3-cell'd, 2-seeded. *Petals* 5, claw'd. *Cal.* most minute.
- 1308 TRIOPTERIS. *Seeds* 3, two-wing'd. *Petals* none but the wings of the seeds.

\* *Tamarix german-*

## FOUR FEMALES.

(Tetragynia.)

\* *Lychnis alpine.*

## E I V E F E M A L E S.

(Pentagynia.)

- 578 COTYLEDON. *Capsf.* 5 at the Nectaries. *Cor.* 1-petal'd.  
 579 SEDUM, *Capsf.* 5 at the Nectaries. *Cor.* 5-petal'd.  
 580 PENTHORUM. *Capsf.* 5-lobed. *Cor.* petals fewer.  
 1309 BERGIA. *Capsf.* 5-cell'd, 5-valved: the valves gaping horizontally.  
 586 SPERGULA. *Capsf.* 1-cell'd. *Petals* intire. *Cal.* 5-leaved.  
 585 CERASTIUM. *Capsf.* 1-cell'd. *Petals* 2-cleft. *Cal.* 5-leaved.  
 583 AGROSTEMMA. *Capsf.* 1-cell'd, oblong. *Cal.* tubular, leathery.  
 584 LYCHNIS. *Capsf.* 3-cell'd, oblong, *Cal.* tubular, membranous.  
 582 OXALIS. *Capsf.* 5-cell'd, angular. *Cal.* subcohering at the base.  
 577 SPONDIAS. *Drupe* with nucleus 5-cell'd. *Cal.* 1-leaved.  
 576 AVERRHOA. *Pome* 5-cell'd. *Cal.* 5-leaved.  
 1235 GRIELUM. *Seeds* 5, distinct, awnless. *Cor.* 5-petal'd. *Styles* none.  
 581 SURIANA. *Seeds* 5, roundish. *Cor.* 5-petal'd. *Styles* thread-form, lateral.  
 1262 FORSKOLEA. *Seeds* 5, involved in wool. *Cor.* 10-petal'd.

\* *Adoxa. Geraniums.**Coriaria. Drosera portugal.*

## T E N F E M A L E S,

(Decagynia.)

- 587 NEURADA. *Cal.* 5-parted. *Cor.* 5-petal'd. *Capsf.* 10-grain'd.  
 588 PHYTOLACCA. *Cal.* 5-leaved, corolline. *Cor.* none. *Berry* 10-grain'd.

ONE FEMALE.

(*Monogynia.*)

508. SOPHORA. *Cal.* 5-tooth'd, gibbous upwards. *Cor.* papilionaceous: with wings the length of the Banner. *Legume.*

- alopecuroides.* 1. S. leaves feather'd: leaflets numerous villous oblong, stem herbaceous. *alopecurus-like.*
- tomentosa.* 2. S. leaves feather'd: leaflets numerous roundish downy. *downy.*
- occidentalis.* 3. S. leaves feather'd: leaflets numerous roundish. *occidental.*
- capensis.* 9. S. leaves feather'd: leaflets numerous lanced underneath, stem shrubby. *cape.*
- japonica.* 10. S. leaves feather'd: leaflets more numerous egg'd smooth, stem arborescent. *japan.*
- tetraptera.* S. leaves feather'd: leaflets numerous inverse-egg'd end-nick'd, legumes four-corner'd: with angles membranous. S. *four-wing'd.*
- heptaphylla.* 4. S. leaves feather'd: leaflets seven-fold smooth. *seven-leaved.*
- genistoides.* 5. S. leaves three'd sessile: leaflets linear. *Genista-like.*
- australis.* 12. S. leaves three'd subsessile smooth, stipules sword-form. *southern.*
- tinctora.* 6. S. leaves three'd subsessile: leaflets inverse-egg'd smooth, stipules minute. *Dyers.*
- alba.* 11. S. leaves three'd petioled: leaflets elliptic smooth, stipules rather awl'd short. *white.*
- lupinoides.* 7. S. leaves three'd petioled: leaflets oval hairy. *Lupin-like.*
- biflora.* 8. S. leaves simple inverse-egg'd rather-downy, peduncles two-flower'd. *two-flower'd.*

320. TEN MALES. ONE FEMALE. Anagyris.

509. ANAGYRIS. *Banner* and wings shorter than the keel in a papilionaceous corol. *Legume*.

*fætida*. ANAGYRIS. *fetid.*

510. CERCIS. *Cal.* 5-tooth'd, gibbous below. *Cor.* papilionaceous: with a short banner under the wings. *Legume*. *Judas-Tree*.

*Siliquastrum*. 1. C. leaves heart-orbicular smooth. *canadensis*. 2. C. leaves hearted pubescent. *canadian.*

511, BAUHINIA. *Cal.* 5-cleft, deciduous. *Petals* expanded, oblong, claw'd: the superior one more distant, all inserted on the calyx. *Legume*.

<i>scandens</i> .	1. B. stem tendril-bearing.	<i>climbing.</i>
<i>aculeata</i> .	2. B. stem prickly.	<i>prickly.</i>
<i>divaricata</i> .	3. B, leaves egg'd: lobes divaricated.	<i>divaricated.</i>
<i>ungulata</i> .	4. B. leaves egg'd: lobes parallel.	<i>claw'd.</i>
<i>variegata</i> .	5. B. leaves hearted lobes coadjoin'd obtuse.	<i>variegated.</i>
<i>purpurea</i> .	6. B. leaves rather hearted two-parted rounded downy underneath.	<i>purple.</i>
<i>tomentosa</i> .	7. B. leaves hearted: lobes semi-orbicular	<i>downy.</i>
<i>acuminata</i> .	8. B. leaves egg'd. lobes pointed half-egg'd.	<i>pointed.</i>

512. HYMENÆA: *Cal.* 5-parted. *Petals* 5, subequal. *Style* twisted. *Legume* replete with farinaceous pulp. *Locust-Tree*.

*Courbaril*. 1. HYMENÆA.

513. PAR-



513. PARKINSONIA. *Cal.* 5-cleft. *Petals* 5, egg'd : the lowest kidney-form. *Style* none. *Legume* necklace-form.

*aculeata.* I. PARKINSONIA. *prickly.*

514. CASSIA. *Cal.* 5-leaved. *Petals* 5. *Anthers*, 3 highest barren; 3 lowest beak'd. *Legume.*

\* *Sennæ.*

- diphylla.* 1. C. leaves pair'd, stipules heart-lanced. *two-leaved.*  
*Afus.* 2. C. leaves twice-pair'd inverse-egg'd : with two awl'd glands between the lowest.  
*baccillaris.* C. leaves twice-pair'd egg'd oblique with an obtuse gland between the lowest, racemes axillary peduncled, filique columnar long. *S. staff.*  
*viminea.* 3. C. leaves twice-pair'd egg-oblong pointed : with an oblong gland between the lowest, thorns subtitled obscure three-tooth'd *twiggy.*  
*Tagera.* 4. C. leaves thrice-pair'd : gland petioled, stipules fringed hearted pointed.  
*Tora.* 5. C. leaves thrice-pair'd inverse-egg'd : exterior ones larger : with an awl'd gland between the inferior.  
*bicapsularis.* 6. C. leaves thrice-pair'd inverse-egg'd smooth : the interior rounder less : with an interposed globular gland. *two-capsuled.*  
*emarginata.* 7. C. leaves thrice-pair'd egg'd rounded end-nick'd equal. *end-nick'd.*  
*obtusifolia.* 8. C. leaves thrice pair'd egg'd obtusifish. *obtuse-leaved.*  
*falcata.* 10. C. leaves four-pair'd egg-lanced backward-sickled : with a gland at the base of the petioles. *sickled.*  
*longifiliqua.* C. leaves four-pair'd : outmost leaflets lanced, with an awl'd gland beneath the lowest and between the outmost. *S. long-fliqued.*  
*occidentalis.* II. C. leaves five pair'd egg-lanced rugged on the margin : the exterior ones larger, with a gland at the base of the petioles. *occidental.*  
*planifiliqua.* 13. C. leaves five-pair'd egg-lanced smooth : with a gland at the base of the petioles. *flat-fliqued.*

- Fistula.* 14. C. leaves five-pair'd egg'd pointed smooth, petioles glandless. *pipe.*
- atomaria.* 31. C. leaves five-pair'd egg'd rather downy, petioles columnar glandless. *atom.*
- pilosa.* 12. C. leaves five-pair'd glandless, stipules half-hearted pointed, stem upright hairy. *hairy.*
- Senna.* 9. C. leaves six-pair'd rather-egg'd, petioles glandless. *senna.*
- biflora.* 15. leaves six-pair'd oblongish smooth: the inferior less; gland awl'd between the lowest, pedicels two-flower'd. *two-flower'd.*
- hirsuta.* 16. C. leaves six-pair'd egg'd pointed woolly. *shaggy.*
- hirsuta.* C. leaves six-pair'd broadly egg'd pointed woolly. *S. shaggy.*
- tomentosa.* C. leaves six-or-eight-pair'd, leaflets linear obliquely rounded at the base shaggy above, panicles axillary, legumes villous. *S. downy.*
- serpens.* 17. C. leaves seven-pair'd, flowers five-male, stem thread-form prostrate herbaceous. *creeping.*
- ligustrina.* 18. C. leaves seven-pair'd lanced, the outmost less, a gland at the base of the petioles. *privet.*
- alata.* 19. C. leaves eight-pair'd oval-oblong: the exterior ones less, petioles glandless, stipules expanded. *wing'd.*
- marilandica.* 20. C. leaves eight-pair'd egg-oblong equal, a gland at the base of the petioles. *maryland.*
- tenuissima.* 21. C. leaves nine-pair'd oblong, with an awl'd gland between the lowest. *most-slender.*
- Sophera.* 22. C. leaves ten-pair'd lanced, the gland at the base oblong.
- bracteata.* C. leaves ten-pair'd oblong obtuse glandless, racemes elongated, bractes egg'd tumid imbricated, legume quadrangular compress'd. *S, bracted.*
- auriculata.* 23. C. leaves twelve-pair'd obtuse dagger'd, glands awl'd numerous, stipules kidney-form bearded. *ear'd.*
- javanica.* 24. C. leaves twelve-pair'd oblong obtuse smooth, gland none. *java.*
- grandis.* C. leaves twenty-pair'd, somewhat velvety glandless. *S. great.*

\* \* Chamæcristæ with leaflets numerous

- Chamæ-crista.* 25. C. leaves many-pair'd, the petiole gland pedicel'd, stipules sword-form.
- glandulosa.* 26. C. leaves many-pair'd many-glanded, stipules awl'd. *glandular.*
27. C.

- mimosoides*. 27. C. leaves many-pair'd linear, gland at the base of the petioles obscure, stipules bristly. *mimosa-like*.  
*flexuosa*. 28. C. leaves many-pair'd, stipules half-hearted. *winding*.  
*nicotianans*. 25. C. leaves many-pair'd, flowers five-male, stem erect-ish. *twinkling*.  
*procumbens*. 30. C. leaves many-pair'd glandless, stem procumbent. *procumbent*.

515. POINCIANA. *Cal.* 5-leaved. *Petals* 5: the highest larger. *Stamens* long: all fruitful. *Legume*.

- bijuga*. 2. P. prickles solitary, leaflets end-nick'd, *twice-pair'd*.  
*pulcherrima*. 3. P. prickles double, *most-beautiful*.  
*elata*. A. P. stem unarm'd. *lofty*.

516. CAESALPINIA. *Cal.* 5-cleft: the lowest division larger. *Petals* 5: the lowest more beautiful. *Legume*.

- vescaria*. 3. C. stem prickly, leaflets inverse-hearted roundish. *bladdery*.  
*Sappan*. 4. C. stem prickly, leaflets oblong unequal-sided end-nick'd.  
*Crista*. 2. C. stem arborefcnt, leaflets egg'd intire, flowers five-male.

517. GUILANDINA. *Cal.* 1-leaved, falver-form. *Petals* inserted on the neck of the calyx, subequal. *Legume*.

- Bonduc*. 1. G. prickly, feathers egg'd, leaflets with solitary prickles.  
*Bonduccella*. 2. G. prickly, feathers oblong-egg'd, leaflets with double prickles.  
*Nuga*. 3. G. stem unarm'd, leaves on the primary petiole with double prickles underneath.  
*Moringa*. 2. C. unarm'd, leaves mostly twice-feather'd; the inferior leaflets three'd.  
*disica*. 4. G. unarm'd, leaves twice-feather'd: on the base and top simply feather'd. *two-houfe*.

324. TEN MALES. ONE FEMALE. Guajacum.

518. GUAJACUM. *Cal.* 5-cleft, unequal. *Petals* 5, inserted on the calyx. *Capsf.* angled, 3-or-5-cell'd.

<i>officinale.</i>	1. G. leaflets two-pair'd obtuse.	<i>officinal.</i>
<i>sanctum.</i>	2. G. leaflets many-pair'd obtuse.	<i>holy.</i>
<i>afrum.</i>	3. G. leaflets many-pair'd acute.	<i>african.</i>

519. CYNOMETRA. *Cal.* 4-leaved: *Anthers* two-cleft at top. *Legume* fleshy moon'd. 1-seeded.

<i>cauliflora.</i>	1. C. trunk flower-bearing.	<i>stem-flower'd.</i>
<i>ramiflora.</i>	2. C. branches flower-bearing.	<i>branch-flower'd.</i>

1285. CODON. *Cor.* bell'd, ten-cleft. *Cal.* 10-parted. *Capsf.* many-seeded.

<i>Royeni.</i>	1. CODON.	<i>of Royen.</i>
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522. DICTAMNUS. *Cal.* 5-leaved. *Petals* 5, expanded. *Filaments* sprinkled with glandular points. *Capsf.* 5, conjoin'd. *Fraxinella.*

<i>capensis.</i>	D. leaves simple stem branchy.	<i>S</i>	<i>cape.</i>
<i>albus.</i>	D. leaves feather'd, stem simple.	<i>S.</i>	<i>white.</i>

523. RUTA. *Cal.* 5-parted, *Petals* concave. *Receptacle* girt with ten honey-bearing points. *Capsf.* lobed. *Rue.*

<i>graveolens.</i>	1. R. leaves decomposed, flowers lateral four-cleft.	<i>strong-scented.</i>
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<i>chalepensis.</i>	4. R. leaves superdecomposed, petals fringed.	
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<i>patacina.</i>	2. R. leaves three'd sessile.	<i>Patacinum.</i>
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<i>linifolia.</i>	3. R. leaves lanced undivided.	<i>flax-leaved.</i>
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<i>pinnata.</i>	R. leaves feather'd three-pair'd: leaflets lanced: the odd-one saw'd, petals flat rather notched.	<i>S.</i>
		<i>feather'd.</i>

524 TOLU-

524. TOLUIFERA. *Cal.* 5-tooth'd, bell'd. *Petals* 5, the lowest the largest inverſehearted. *Style* none.

*Balsamum.* 1. TOLUIFERA. *balsam.*

525. HÆMATOXYLUM. *Cal.* 5-parted. *Petals* 5. *Capſ.* lanced, 1-cell'd, 2-valved: valves boated. *Logwood.*

*Campechianum.* 1. HÆMATOXYLUM. *Campechy.*

1260. PROSOPIS. *Cal.* hemispheric, 4-tooth'd. *Stigma* ſimple. *Legume* inflated, manyſeeded.

*ſpicigera.* 1. PROSOPIS. *ſpike-bearing.*

1261. CHALCAS. *Cal.* 5-parted. *Cor.* bell'd: petals claw'd. *Stigma* head-warted.

*paniculata.* 1. CHALCAS. *panicked.*

1341. MURRAYA. *Cal.* 5-parted. *Cor.* bell'd with Nectary ſurrounding the germ. *Berry* one-ſeeded.

*exotica.* MURRAYA. *exotic.*

526. ADENANTHERA. *Cal.* 5-tooth'd. *Petals* 5. Globular Glands affixed to the *Anthers* on the exterior top. *Legume* membranous. *Baſtard Flowerſence.*

*pavonina.* 1. A. leaves ſmooth on both ſides. *peacock.*  
*falcata.* 2. A. leaves downy underneath. *fickled.*

528. TRI-

528. TRICHILIA. *Cal.* mostly 5-tooth'd. *Petals* 5. *Nectary* cylindric, bearing the Anthers in its mouth. *Capsf.* 3-cell'd, 3-valved. *Seeds* berried.

- |                  |   |                      |
|------------------|---|----------------------|
| <i>hirta-</i>    | 1. T. leaves feather'd shaggyish.                           | <i>shaggy.</i>       |
| <i>glabra.</i>   | 2. T. leaves feather'd smooth, the outmost leaflets larger. | <i>smooth.</i>       |
| <i>trifolia.</i> | 3. T. leaves three'd.                                       | <i>three-leaved.</i> |

1306. TURRÆA. *Cal.* 5-tooth'd. *Petals* 5. *Nectary* cylindric bearing the Anthers in its mouth: *Capsf.* 5-grain'd. *Seeds* twofold.

*virens.* TURRÆA. *green.*

521. SWIETENIA. *Cal.* 5-cleft. *Petals* 5. *Nectary* cylindric bearing the Anthers in its mouth. *Capsf.* 5-cell'd, woody gaping at the base. *Seeds* imbricated, wing'd. *Mabogany-Tree.*

*Mabagoni.* SWIETENIA. *Mabagoni.*

527. MELIA. *Cal.* 5-tooth'd. *Petals* 5. *Nectary* cylindric, bearing the Anthers of the corol in its mouth. *Drupe* with nucleus five-cell'd. *Bread-Tree.*

- Azedarach.* 1. M. leaves twice feather'd.  
*Azadirachta.* 2. M. leaves feather'd.

530. ZYGOPHYLLUM. *Cal.* 5-leaved. *Petals* 5. *Nectary* 10-leaved, covering the germ. *Caps.* 5-cell'd. *Bean-Caper.*

- |                       |  |                         |
|-----------------------|--|-------------------------|
| <i>simplex.</i>       | 9. Z. leaves simple sessile cylindric.   | <i>simple.</i>          |
| <i>Fabago.</i>        | 1. Z. leaves pair'd petioled : leaflets inverse-egg'd, stem herbaceous.                |                         |
| <i>coccineum.</i>     | 2. Z. leaves pair'd petioled : leaflets cylindric fleshy polish'd.                     | <i>scarlet.</i>         |
| <i>album.</i>         | 3. Z. leaves pair'd petioled : leaflets club'd fleshy spider-like-hoary.               | <i>white.</i>           |
| <i>Morgsana.</i>      | 4. Z. leaves pair'd subpetioled : leaflets inverse-egg'd, stem shrubby.                |                         |
| <i>sessilifolium.</i> | 5. Z. leaves pair'd sessile : leaflets lance-egg'd rugged on the margin. stem shrubby. | <i>sessile-leaved.</i>  |
| <i>spinosum.</i>      | 6. Z. leaves pair'd sessile : leaflets linear fleshy flat above, stem shrubby.         | <i>thorny.</i>          |
| <i>æstuans.</i>       | 7. Z. leaves pair'd sessile, leaflets inverse-egg'd retuse.                            | <i>burning.</i>         |
| <i>arboreum.</i>      | 8. Z. leaves feather'd, stem arboreescent.   | <i>arboreescent.</i>    |
| <i>cordifolium.</i>   | Z. leaves simple opposite heart-orbicular.   | <i>S. heart-leaved.</i> |
| <i>microphyllum.</i>  | Z. leaflets oval minute. capsules end-nick'd.  | <i>S. small-leaved.</i> |

529. QUASSIA, *Cal.* 5-leaved. *Petals* 5. *Nectary* 5-leaved. *Pericarps* 5, distant, 1-seeded.

- |                  |  |
|------------------|--|
| <i>Simaruba.</i> | Q. flowers one-house, leaves abruptly feather'd : alternate leaflets subpetioled, petiole naked, flowers paniced. S.                   |
| <i>amara.</i>    | Q. flowers hermaphrodite, leaves odd-feather'd : leaflets opposite sessile, petiole jointed wing'd, flowers racemed. S. <i>bitter.</i> |

328. TEN MALES. ONE FEMALE. Fagonia.

531. FAGONIA. *Cal.* 5-leaved. *Petals* 5, hearted. *Capsf.* 5-cell'd, 10-valved: cells one-seeded.

*cretica.* 1. F. thorny, leaflets lanced flat polish'd. *cretan.*  
*hispanica.* 2. F. unarin'd. *spanish.*  
*arabica.* 3. F. thorny, leaflets linear convex. *arabian.*

532. TRIBULUS. *Cal.* 5-parted. *Petals* 5, expanding. *Style* none. *Capsf.* 5, gibbous, thorny, many-seeded. *Caltrops.*

*maximus.* 1. T. leaves mostly four-pair'd: the exterior ones larger, pericarps ten-seeded awnless. *largest.*  
*lanuginosus.* 2. T. leaves mostly five-pair'd subequal, seeds two-horn'd. *cottony.*  
*terrestris.* 3. T. leaves mostly six-pair'd subequal, seeds four-horn'd. *terrestrial.*  
*Cistoides.* 4. T. leaves eight-pair'd subequal. *Cistus-like.*

533. THRYALLIS. *Cal.* 5-parted. *Petals* 5. *Capsf.* 3-grain'd.

*brasiliensis.* 1. THRYALLIS. *Brazile.*

534. LIMONIA. *Cal.* 5-parted. *Petals* 5. *Berry* 3-cell'd. *Seeds* solitary.

*monophylla.* L. leaves simple, thorns solitary. *one-leaved.*  
*trifoliata.* L. leaves three'd, thorns double. *three-leaved.*  
*acidissima.* 1. L. leaves feather'd, thorns solitary. *most acid.*

536. MONOTROPA. *Cal.* 0. *Petals* 10: the five exterior of these hollow-honey-bearing at the base. *Capsf.* 5-valved.

*Hypopithys.* 1. M. lateral flowers eight-male: terminal one ten-male.  
*uni flora.* 2. M. stem one-flower'd, flower ten-male. *one-flower'd.*

1307. DIONÆA.



1307. DIONÆA. *Cal.* 5-leaved. *Petals* 5.  
*Capsf.* 1-cell'd, gibbous, many-seeded.

*Muscipula.* DIONÆA. *Fly-trap.*

538. IUSSIEUA. *Cal.* 4-or-5-parted, above.  
*Petals* 4 or 5. *Capsf.* 4-or-5-cell'd,  
 oblong, gaping with angles. *Seeds* nu-  
 merous, minute.

*repens.* 1. I. creeping, flowers five-petal'd ten-male, leaves egg-  
 oblong. *creeping.*

*tenella.* 1. I. smooth, flowers five-petal'd subsessile, leaves oppo-  
 site line-lanced. *tender.*

*peruviana.* 2. I. erect, flowers five-petal'd, peduncles leafy. *peruvian,*

*suffruticosa.* 3. I. erect villous, flowers four-petal'd eight-male pedun-  
 cled. *shrubbyish.*

*erecta.* 4. I. erect smooth, flowers four-petal'd eight-male sessile.  
*erect.*

*inclinata.* 1. I. erect smooth, flowers four-petal'd eight-male pe-  
 duncled. *S. inclined.*

535. HEISTERIA. *Cal.* 5-cleft. *Petals* 5. *Drupe*  
 with a most large colour'd calyx.

*coccinea.* 1. HEISTERIA. *scarlet.*

539. QUISQUALIS. *Cal.* 5-cleft, thread-form.  
*Petals* 5. *Drupe* 5-angled.

*indica.* 1. QUISQUALIS. *indian.*

540. DAIS. *Involucre* 4-leaved. *Cor.* 4-or-5-cleft.  
*Berry* 1-seeded.

*cotinifolia.* 1. D. flowers five-cleft ten-male. *cotinus-leaved.*

*Atlantaria.* 2. D. flowers four-cleft eight-male. *eight-male.*

## 544. MELASTOMA. Cal. 5-cleft, bell'd. Petals 5, inserted on the calyx. Berry 5-cell'd, involved in the calyx.

- Acinodendron.* 1. M. leaves toothletted mostly three-nerved egg'd acute.
- Grossularioides.* 2. M. leaves toothletted triple-nerved egg'd pointed. *Gooseberry-like.*
- scabrosa.* 3. M. leaves toothletted fine-nerved hearted rugged, downy underneath, branches down-villous. *rugged.*
- hirta.* 5. M. leaves toothletted five-nerved egg-lanced, stem hispid. *shaggy.*
- aspera.* 10. M. leaves most intire three-nerved lanced rugged. *rough.*
- holosericea.* 6. M. leaves - most intire three-nerved oblong-egg'd, downy underneath, racemes cross-arm'd, spikes two-parted. *velvet.*
- sessilifolia.* 4. M. leaves most intire tripple-nerved spatuled sessile downy underneath. *sessile-leaved.*
- Malabathrica.* 7. M. leaves most intire five-nerved lance-egg'd rugged.
- laevigata.* 8. M. leaves most intire five-nerved egg-oblong somewhat polish'd pointed polish'd on the margin. *polish'd.*
- discolor.* 9. M. leaves most intire five-nerved oblong-egg'd smooth polish'd on the margin. *discolour'd.*
- oelandra.* 11. M. leaves most intire three-nerved egg'd smooth hispid on the margin. *eight-male.*
- crispata.* 12. M. leaves most intire five-nerved four-fold, branches curl'd. *curl'd.*
- fragilis.* M. leaves five-nerved netted, racemes with flowers one-rank'd sessile. S. *fragile.*
- grossa.* M. leaves most intire five-nerved rather hearted rugged. S. *gross.*
- strigosa.* M. leaves most intire three-nerved lance-bristled egg'd, flowers solitary. S. *lance-bristled.*

545. KALMIA, *Cal.* 5-parted. *Cor.* falver-form: border 5-horn'd underneath. *Caps.* 5-cell'd.

*latifolia.* 1. K. leaves egg'd, corymbes terminal. *broad-leaved.*  
*angustifolia.* 2. K. leaves lanced, corymbes lateral. *narrow-leaved.*

546. LEDUM. *Cal.* 5-cleft. *Cor.* flat, 5-parted. *Caps.* 5-cell'd, gaping at the base.

*palustre.* 1. LEDUM. *marsh.*

548. RHODODENDRON. *Cal.* 5-parted. *Cor.* rather funnel-form. *Stamens* declining. *Caps.* 5-cell'd.

*ferrugineum.* 1. R. leaves smooth scurfy underneath, corols funnel-form. *iron.*

*dauricum.* 2. R. leaves smooth dotted naked, corols wheel'd. *Dauria.*

*hirsutum.* 3. R. leaves fringed naked corols funnel-form. *shaggy.*

*Chamæcistus.* 4. R. leaves fringed, corols wheel'd.

*ponticum.* 5. R. leaves glossy lanced smooth on both sides, racemes terminal. *pontic.*

*maximum.* 6. R. leaves glossy oval obtuse vein'd with margin acute reflected, peduncles one-flower'd. *largest.*

*Chrysanthum.* R. leaves oblong undotted rugged above most vein'd, corol wheel'd irregular, bud flower-bearing iron-downy. *S.*

549. ANDROMEDA. *Cal.* 5-parted. *Cor.* egg'd: mouth 5-cleft. *Caps.* 5-cell'd.

*tetragona.* 1. A. peduncles solitary lateral, corols bell'd, leaves opposite imbricated obtuse revolute. *four-corner'd.*

*hypnoides.* 2. A. peduncles solitary terminal, corols bell'd, leaves crowded awl'd. *hypnum-like.*

*cærulea.* 3. A. peduncles aggregate, corols egg'd, leaves scatter'd linear obtuse flat. *blue.*

*mariana.* 4. A. peduncles aggregate, corols cylindrical, leaves alternate egg'd most intire.

332. TEN MALES. ONE FEMALE. *Andromeda*.

- Polifolia*. 5. A. peduncles aggregate, corols egg'd, leaves alternate lanced revolute. *Polium-leaved*.
- Bryantha*. A. flowers corymbed, leaves elliptic, stem prostrate.
- Daboecia*. 10. A. racemes one-rank'd, flowers four-cleft egg'd, leaves alternate lanced revolute.
- droseroides*. A. racemes one-rank'd, leaves linear hairy viscid. *Drosera-like*.
- paniculata*. 6. A. racemes one-rank'd naked panicked, corols subcylindric, leaves alternate oblong notchletted. *panicked*.
- racemosa*. 7. A. racemes one-rank'd bracted, corols gibbous-cylindric, leaves alternate oblong saw'd. *racemed*.
- arborea*. 8. A. racemes one-rank'd naked, corols round-egg'd. *arborescent*.
- calyculata*. 9. A. racemes one-rank'd leafy, corols subcylindric, leaves alternate lanced obtuse dotted. *calyced*.
- anastomosans*. A. leaves egg'd rather saw'd dotted underneath with anastomoses. S. *anastomosed*.
- rupestris*. A. leaves oblong alternate sawletted. S. *rock*.
- cerea*. A. peduncles axillary solitary two-leaved one-flower'd, leaves alternate egg'd saw'd. *waxen*.

550. EPIGÆA. *Exteriour Calyx* 3-leaved: interiour one 5-parted. *Cor.* falver-form. *Caps.* 5-cell'd.

*repens*. I. EPIGÆA. *creeping*.

551. GAULTHERIA. *Exteriour Calyx* 2-leaved: interiour one 5-cleft. *Cor.* egg'd. *Nectary*, with 10 daggers. *Caps.* 5-cell'd, cloath'd with the interiour berried calyx.

*procumbens*. I. GAULTHERIA. *procumbent*.

552. ARBUTUS. *Cal.* 5-parted. *Cor.* egg'd: pellucid in the mouth at the base. *Berry* 5-cell'd.

*Unedo*. I. A. stem arborescent, leaves smooth saw'd. berries many-seeded.

A. A.

- Andrachne*. A. A. stem arboreſcent, leaves ſmooth moſt intire and ſaw'd, berries many-ſeeded.
- acadiensis*. 2. A. ſtems procumbent, leaves egg'd rather ſaw'd, flowers ſcatter'd, berries many-ſeeded. *acadian*.
- alpina*. 3. A. ſtems procumbent, leaves wrinkled ſaw'd. *alpine*.
- Uva urſi*. 4. A. ſtems procumbent, leaves moſt intire. *Bear's grape*.
- ferruginea*. A. arboreſcent, leaves oblong obtuſe ſmooth moſt intire, racemes terminal. *S. iron*.
- laurifolia*. A. arboreſcent, leaves oblong pointed at both ends acutely ſaw'd ſmooth, racemes axillary one-rank'd ſeffile ſolitary. *S. laurus-leaved*.
- Unedo*. A. ſtem arboreſcent, leaves ſmooth obtuſely ſaw'd, panicle terminal, berries many-ſeeded. *S.*
- mucronata*. A. ſtem ſhrubby, leaves alternate egg'd ſaw'd dagger'd, peduncles axillary one-flower'd. *S. dagger'd*.
- pumila*. A. ſtem diſcuſe, leaves alternate two-rank'd oblong moſt intire, flowers lateral ſolitary. *S. dwarf*.

553. CLETHRA. *Cal.* 5-parted. *Petals* 5-  
*Stigma* 3-cleft. *Caps.* 3-cell'd, 3-  
 valved.

*alnifolia*. I. CLETHRA. *alnus-leaved*.

554. PYROLA. *Cal.* 5-parted. *Petals* 5. *Caps.*  
 5-cell'd, gaping at the angles.

- rotundifolia*. 1. P. ſtamens aſcending, piſtil declining. *round-leaved*.
- minor*. 2. P. flowers racemed diſperſed, ſtamens and piſtils ſtraight. *lefs*.
- ſecunda*. 3. P. raceme one-ſided. *one-rank'd*.
- umbellata*. 4. P. peduncles ſubumbel'd. *umbel'd*.
- maculata*. 5. P. peduncles two-flower'd. *ſpotted*.
- uniſlora*. 6. P. ſcape one-flower'd. *one-flower'd*.

546. STYRAX. *Cal.* beneath. *Cor.* funnel-  
 form. *Drupe* two-ſeeded. *Storax-Tree*

*officinale*. STYRAX. *officinal*.

543. SAMYDA.

543. SAMYDA. *Cal.* 5-parted, colour'd. *Cor.* none. *Capsf.* berried within, 3-valved 1-cell'd. *Seeds* nidulant.

- parviflora*. 1. *S.* flowers ten-male, leaves egg-oblong, smooth on both sides. *small-flower'd.*  
*nitida*. 2. *S.* flowers eight-male, leaves hearted smooth. *glossy.*  
*spinoso*. 3. *S.* flowers eight-male, branches thorny. *thorny.*  
*pubescens*. 4. *S.* flowers twelve-male, leaves egg'd downy underneath. *pubescent.*  
*ferrulata*. 5. *S.* flowers twelve-male, leaves egg-oblong sawletted. *sawletted.*

542. COPAIFERA. *Cal.* 0. *Petals* 4. *Legume* egg'd. *Seed* 1, with aril berried.

*officinalis*. 1. COPAIFERA. *officinal.*

541. BUCIDA. *Cal.* 5-tooth'd, above. *Cor.* 0. *Berry* one-seeded.

*Buceras*. A. BUCIDA.

1390. MYROXYLON. *Cal.* bell'd. *Superiour* *Petal* larger than the rest. *Germ* longer than the corol. *Legume* 1-seeded. *S.*

*peruiferum*. MYROXYLON. *peru-bearing.*

1391. INOCARPUS. *Cor.* funnel-form. *Cal.* 2-cleft. *Stamens* in a double series. *Drupe* 1-seeded. *S.*

*edulis*. INOCARPUS. *eatable.*

T W O F E M A L E S.

(Digynia.)

555. ROYENA. *Cal.* pitcher'd. *Cor.* 1-petal'd, revolute in the border. *Capsf.* 1-cell'd, 4-valved.

<i>lucida.</i>	1. R. leaves egg'd ruggedish.	<i>lucid.</i>
<i>villosa.</i>	4. R. leaves hearted oblong downy underneath.	<i>willous.</i>
<i>glabra.</i>	2. R. leaves lanced smooth.	<i>smooth.</i>
<i>hirsuta.</i>	3. R. leaves lanced shaggy.	<i>shaggy.</i>
<i>polyandra.</i>	R. leaves egg'd downy underneath, stamens most numerous. <i>S.</i>	<i>many-male.</i>

557. HYDRANGEA. *Capsf.* 2-cell'd, 2-beak'd, circumcised.

*arborescens.* 1. HYDRANGEA. *arborescent.*

556. CUNONIA. *Cor.* 5-petal'd. *Cal.* 5-leaved. *Capsf.* 2-cell'd, pointed, many-seeded. *Styles* longer than the flower.

*capensis.* A. CUNONIA. *cape.*

537. TRIANTHEMA. *Cal.* dagger'd under the top. *Cor.* 0. *Stamens* 5, or 10. *Germ* retuse. *Capsf.* circumcised. *Horſe Purſlane.*

<i>monogyna.</i>	1. T. flowers five-male one-female.	<i>one-female.</i>
<i>pentandra.</i>	2. T. flowers five-male two-female.	<i>five-male.</i>
<i>decandra.</i>	3. T. flowers mostly ten-male two-female.	<i>ten-male.</i>

558. CHRY-

336. TEN MALES. TWO FEMALES. *Chrysofenium*.

558. *CHRYSOSPLENIUM*. *Cal.* 4 or 5-cleft, colour'd. *Cor.* o. *Caps.* 2-beak'd, 1-cell'd, many-seeded.

*alternifolium*. 1. C. leaves alternate.

*alternate-leaved.*

*oppositifolium*. 2. C. leaves opposite.

*opposite-leaved.*

559. *SAXIFRAGA*. *Cal.* 5-parted. *Cor.* 5-petal'd. *Caps.* 2-beak'd, 1-cell'd, many-seeded. *Saxifrage.*

\* *With leaves undivided, stem nakedish.*

- Cotyledon*. 1. S. leaves radicated aggregate tongued gristle-faw'd, stem panicled.
- mutata*. 2. S. leaves radical aggregate tongued gristle-faw'd, stem racemed leafy. *changeable.*
- pennsylvanica*. 3. S. leaves lanced toothletted, stem naked panicled, flowers somewhat headed. *pennsylvanian.*
- androsacea*. 4. S. leaves lanced obtuse hairy, stem naked two-flower'd. *androsace.*
- cæsia*. 5. S. leaves linear perforate-dotted aggregate recurved, stem many-flower'd. *grey.*
- burseriana*. 6. S. leaves aggregate imbricated three-sided awl'd polish'd, stem nakedish one-flower'd. *burserian.*
- sedoides*. 7. S. leaves aggregate alternate and opposite subblanced, flower peduncled. *sedum-like.*
- bryoides*. 8. S. leaves fringed inflected imbricated, stem nakedish many-flower'd. *bryum-like.*
- bronchialis*. 9. S. leaves imbricated awl'd fringed thorny, stem nakedish many-flower'd. *bronchial.*
- stellaris*. 10. S. leaves saw'd, stem naked branchy, petals pointed. *star.*
- crassifolia*. 11. S. leaves oval retuse obscurely saw'd petioled, stem naked, panicles conglomerated. *thick-leaved.*
- nivalis*. 12. S. leaves inverfe-egg'd notch'd subseffile, stem naked, flowers collectd. *snowy.*
- punctata*. 13. S. leaves roundish tooth'd longly petioled, stem naked. *dotted.*
- umbrosa*. 14. S. leaves inverfe-egg'd subretuse gristle-notch'd, stem naked panicled. *shady.*

16. S.



- hirsuta*. 16. S. leaves heart-oval retuse-gristle notch'd, stem naked  
panicled. *shaggy.*
- cuneifolia*. 15. S. leaves wedge-form most obtuse scollop'd, stem  
naked panicled. *wedge-leaved.*
- Geum*. 17. S. leaves kidney-form tooth'd, stem naked panicled.  
*averns.*
- sarmentosa*. S. leaves radical roundish hearted notch'd, sarments  
axillary rooting, corol irregular, raceme com-  
pound. S. *sarmentous.*

\*\* *With leaves undivided, stem leafy.*

- oppositifolia*. 18. S. stem-leaves egg'd opposite imbricated : the highest  
fringed. *opposite-leaved.*
- aspera*. 19. S. stem-leaves lanced alternate fringed, stems pro-  
cumbent. *rough.*
- Hirculus*. 28. S. stem-leaves lanced alternate naked unarm'd, stem  
erect.
- aizoides*. 22. S. stem-leaves linear-awl'd scatter'd naked unarm'd,  
stems decumbent. *aizoon-like.*
- autumnalis*. 20. S. stem-leaves linear alternate fringed : radical leaves  
aggregate. *autumnal.*
- rotundifolia*. 23. S. stem-leaves kidney-form tooth'd petioled, stem pa-  
nicled. *round-leaved.*
- granulata*. 20. S. stem-leaves kidney-form lobed, stem branchy,  
root granulated. *granulated.*

\*\*\* *With leaves lobed, stems erect,*

- bulbifera*. 25. S. leaves hand-lobed : stem-leaves sessile, stem branchy  
bulb-bearing. *bulb-bearing.*
- cernua*. 26. S. stem-leaves handed petioled, stem most simple one-  
flower'd bulb-bearing. *bowing.*
- rivularis*. 28. S. stem-leaves handed : the highest floral one egg'd,  
stem simple mostly two-flower'd. *river.*
- geranioides*. 30. S. radical leaves kidney-form five-lobed many-cleft,  
stem-leaves linear, stem nakedish branchy.  
*geranium-like.*
- ajugifolia*. 31. S. radical leaves hand-five-parted, stem-leaves linear  
undivided, stems ascending many-flower'd.  
*ajuga-leaved.*
- sibirica*. 27. S. stem-leaves kidney-form handed hairy, stems and  
peduncles thread-form. *siberian.*
- tridactylites*. 32. S. stem-leaves wedge-form three-cleft alternate, stem  
erect branchy. *three-finger'd.*

338. TEN MALES. TWO FEMALES. Saxifraga.

- petræa*. 33. S. stem-leaves hand-three-parted. divisions nearly three-cleft, stem most branchy loose. *rock.*  
*ascendens*. 31. S. stem-leaves wedge-form tooth'd at top, stem ascending subvillous. *ascending.*  
*cæspitosa*. 34. S. radical leaves aggregate linear intire and three-cleft, stem erect nakedish mostly two-flower'd. *turfy.*  
*groenlandica*. 29. S. stem-leaves hand-many-cleft scatter'd: divisions acute, stem erect. *greenland.*

\* \* \* \* *With leaves lobed, stems procumbent.*

- cymbalaria*. 35. S. stem-leaves hearted three-lobed and intire, stems procumbent.  
*hederacea*. 36. stem-leaves egg'd lobed, stem thread-form flaccid. *ivy.*  
*hypnoides*. 30. S. stem-leaves linear intire or three-cleft, stoles procumbent, stem erect nakedish. *hypnum-like.*

560. TIARELLA. *Cal.* 5-parted. *Cor.* 5-petal'd, inserted on the calyx: petals intire. *Caps.* 1-cell'd, 2-valved: one valvelet larger.

- cordifolia*. 1. T. leaves hearted. *heart-leaved.*  
*trifoliatâ*. 2. T. leaves three'd. *three-leaved.*

561. MITELLA. *Cal.* 5-cleft. *Cor.* 5-petal'd, inserted on the calyx: petals feather-cleft. *Caps.* 1-cell'd, 2-valved: valvelets equal.

- diphylla*. 1. M. scape two-leaved. *two-leaved.*  
*nuda*. 2. M. scape naked. *naked.*

562. SCLERANTHUS. *Cal.* 1-leaved. *Cor.* none. *Seeds* 2, included in the calyx.

- annuus*. 1. S. calyxes of the fruit expanded. *annual.*  
 2. S.

*perennis.* 2. S. calyxes of the fruit closed. *perennial.*  
*polycarpus.* A. S. calyxes of the fruit most expanding thorny, stem  
 subvillous.. *many-fruit.*

563. GYPSOPHILA. *Cal.* 1-leaved, bell'd, angled. *Petals* 5, egg'd, sessile. *Capsf.* globular, 1-cell'd.

- repens.* 2. G. leaves lanced, stamens shorter than the end-nick'd corol. *creeping.*  
*prostrata.* 3. G. leaves lanced polish'd, stems diffuse, pistils longer than the bell'd corol. *prostrate.*  
*paniculata.* 8. G. leaves lanced rugged, corols revolute, flowers two-house. *panicked.*  
*akissima.* 5. G. leaves lanced mostly three-nerved, stems straight. *most-tall.*  
*Struthium.* 6. G. leaves linear fleshy: axillary leaves crowded columnar.  
*fastigiata.* 4. G. leaves lance-linear obscurely three-sided polish'd obtuse one-rank'd. *level-top'd.*  
*perfoliata.* 9. G. leaves egg-lanced half-stem-clasping. *leaf-pierced.*  
*muralis.* 11. G. leaves linear flat, calyxes leafless, stem two-fork'd, petals notch'd. *wall.*  
*rigida.* 10. G. leaves linear-flat, stem two-fork'd, peduncles two-flower'd, petals end-nick'd. *rigid.*  
*saxifraga.* 12. G. leaves linear, calyxes angled with four scales, corols end-nick'd. *saxifrage.*

564. SAPONARIA. *Cal.* 1-leaved, naked. *Petals* 5, claw'd. *Capsf.* oblong, 1-cell'd. *Soap-Wort.*

- officinalis.* 1. S. calyxes cylindric, leaves egg-lanced. *officinal.*  
*Vascaria.* 3. S. calyxes pyramidal five-angled, leaves egg'd pointed sessile.  
*cretica.* 2. S. calyxes five-angled striated, stem erect mostly two-fork'd, leaves awl'd. *cretan.*  
*porrigens.* S. calyxes cylindric pubescent, branches most divaricated, fruit pendulous. *extending.*  
*illyrica.* 7. S. calyxes subcylindric, stem erect viscid-purpling: branches alternate, corols dotted. *Illyria.*

340. TEN MALES. TWO FEMALES. Saponaria.

- Ocymoides*. 3. S. calyxes cylindric villous, stems two-fork'd pro-  
cumbent. *Ocymum-like*.  
*orientalis*. 5. S. calyxes cylindric villous, stem two-fork'd erect  
expanded. *oriental*.  
*lutea*. 6. S. calyxes columnar, corols crown'd, flowers subum-  
bel'd, leaves sublinear channel'd. *yellow*.

565. DIANTHUS. *Cal.* cylindric, 1-leaved: with  
four scales at the base. *Petals* 5, claw'd.  
*Capsf.* cylindric, 1-cell'd. *Pink*.

\* *Flowers aggregate.*

- barbatus*. 1. D. flowers aggregate fascicled, calyx-scales egg-awl'd  
equalling the tube, leaves lanced. *bearded*.  
*carthusiano-* 2. D. flowers subaggregate, calyx-scales egg'd awn'd  
*rum*. subequalling the tube, leaves three-nerved. *of*  
*the carthusians*.  
*ferrugineus*. D. flowers aggregate, petals two-cleft: divisions  
three-tooth'd. *iron*.  
*Armeria*. 3. D. flowers aggregate fascicled, calyx-scales lanced  
villous equalling the tube.  
*prolifera*. 4. D. flowers aggregate headed, calyx-scales egg'd ob-  
tuse awnless surpassing the tube. *proliferous*.

\* \* *Flowers solitary many on the same stem.*

- diminutus*. 5. D. flowers solitary: calyx-scales eight-fold surpassing  
the flower. *diminutive*.  
*Caryophyllus*. 6. D. flowers solitary, calyx-scales rather egg'd most  
short, corols notch'd. *clove*.  
*pomeridia-* 18. D. flowers solitary: calyx-scales two-fold hearted most  
*nus*. short, corols end-nick'd very intire. *afternoon*.  
*deltoides*. 7. D. flowers solitary, calyx-scales lanced two-fold  
corols notch'd. *delta-like*.  
*glaucus*. 8. D. flowers subsolitary calyx-scales lanced fourfold  
short, corols notch'd. *sea-green*.  
*chinesis*. 9. D. flowers solitary, calyx-scales awl'd expanded  
equalling the tube, corols notch'd, *china*.  
*monspehiacus*. 10. D. flowers solitary, calyx-scales awl'd the length of  
the tube, corols many-cleft, stem erect. *mont-*  
*pelier*.  
*plumarius*. 12. D. flowers solitary, calyx-scales rather egg'd most  
short, corols many-cleft pubescent in the throat,  
*feather'd*.

11. D.

- superbus*. 11. D. flowers panicled, calyx-scales short pointed, corols many-cleft-capillary, stem erect. *superb.*  
*rupestris*. D. flowers solitary calyx-scales most obtuse two-fold, petals notch'd. S. *rock.*

\*\*\* *Stem one-flower'd herbaceous.*

- arenarius*. 13. D. stems mostly one-flower'd, calyx-scales egg'd obtuse, petals many-cleft, leaves linear. *sand.*  
*alpinus*. 14. D. stem one-flower'd, corols notch'd, the exterior calyx-scales equalling the tube, leaves linear obtuse. *alpine.*  
*virginicus*. 15. D. stem mostly one-flower'd, corols notch'd, calyx-scales most short, leaves awl'd. *virgin.*

\*\*\*\* *Shrub-growing.*

- arboreus*. 16. D. stem shrubby, leaves awl'd, petals saw'd. *arborescent.*  
*fruticosus*. 17. D. stem shrubby, leaves lanced. *shrubby.*  
*pungens*. D. stem shrubbyish, leaves linear-awl'd, petals intire. *pungent.*

### T H R E E F E M A L E S.

( *Trigynia.* )

566. CUCUBALUS. *Cal.* inflated. *Petals* 5, claw'd, without a crown at the Throat. *Caps.* 3-cell'd. *Campion.*

- baccifera*. 1. C. calyxes bell'd, petals distant, pericarps colour'd, branches divaricated. *berry-bearing.*  
*Behen*. 2. C. calyxes subglobular smooth net-vein'd, capsules three-cell'd, corols nakedish.  
*fabarius*. 3. C. leaves inverse-egg'd fleshy. *bean.*  
*viscosus*. 4. C. flowers lateral every way decumbent, stem undivided, leaves reflected at the base. *viscous.*  
*stellatus*. 5. C. leaves fourfold. *star'd.*  
*ægyptiacus*. 7. C. flowers erect, petals end-nick'd retroflected: mark'd on both sides with a toothlet. *ægyptian.*  
 9. C.

342. TEN MALES. THREE FEMALES. Cucubalus.

- italicus.* 9. C. petals half-two-cleft, calyxes club'd, panicle two-fork'd erect, fructification declining, stem erect. *italian.*
- tataricus.* 8. C. petals two-parted, flowers one-rank'd decumbent, peduncles opposite solitary erect, stem most simple. *tartarian.*
- sibiricus.* 7. C. petals end-nick'd, flowers subverticil'd : verticils umbel'd leafless. *siberian.*
- catholicus.* 10. C. petals two-parted, flowers paniced, stamens long, leaves lance-egg'd. *catholic.*
- mollissimus.* 11. C. petals half-two-cleft, panicle two-fork'd, stem and leaves velvety : radical leaves spatuled. *most-soft.*
- Otites.* 12. C. flowers two-houfe, petals linear undivided.
- reflexus.* 13. C. flowers spiked alternate one-rank'd subsessile, petals nearly two-parted obscure. *reflected.*
- saxifragus.* 14. C. petals two-cleft, calyxes striated : terminal ones subsessile : lateral ones peduncled. *saxifrage.*
- pumileo.* 15. C. stem one-flower'd shorter than the flower. *dwarf.*

567. SILENE. *Cal.* bellied. *Petals* 5, claw'd : crown'd at the throat. *Caps.* 3-cell'd. *Catch-fly.*

\* *With Flowers solitary lateral.*

- anglica.* 1. S. shaggy, petals end-nick'd, flowers erect, fruit reflected peduncled alternate. *english.*
- lusitanic.* 2. S. shaggy, petals tooth'd undivided, flowers erect, fruit divaricate-reflected alternate. *portugal.*
- quinquevul-nera.* 3. S. petals most intire roundish, fruit erect alternate. *five-wounds.*
- nocturna.* 4. S. flowers spiked alternate one-rank'd sessile, petals two-cleft. *nocturnal.*
- gallica.* 5. S. flowers subspiked alternate one-rank'd, petals undivided, fruit erect. *french.*
- cerafoides.* 6. S. shaggy, petals end-nick'd, fructifications erect, calyxes subsessile rather hairy. *Cerafum-like.*

\*\* *Flowers lateral crowded.*

- mutabilis.* 7. S. petals two-cleft, calyxes angled peduncled, leaves lance-linear. *mutable.*

- nutans.* 8. S. petals two-cleft, flowers lateral one-rank'd bowing, panicle nodding. *nodding.*
- amæna.* 9. S. petals two-cleft: with coronet rather coadjoin'd, one-rank'd, peduncles opposite three-flower'd, branches alternate. *pleasant.*
- paradoxa.* 35. S. flowers racemed, calyxes ten-furrow'd viscid, some flowers, with stamens protruded, others with stamens included. *paradox.*
- fruticosa.* 10. S. petals two-cleft, stem shrubby, leaves broad-lanced, panicles three-fork'd. *shrubby.*
- bupleuroides.* 14. S. petals two-cleft, flowers peduncled opposite shorter than the bracte, leaves lanced acute smooth. *Bupleurum-like.*
- gigantea.* 13. S. petals two-cleft, radical leaves spoon-form most obtuse, flowers subverticil'd. *giant.*
- crassifolia.* 11. S. petals end-nick'd, leaves suborbicular fleshy shaggy, raceme one-rank'd. *thick-leaved.*
- viridiflora.* 12. S. petals half-two-cleft, leaves egg'd ruggedish acute, panicle elongated nearly leafless. *green-flower'd.*

\* \* \* *With Flowers from the fork of the Stem.*

- conoidea.* 15. S. calyxes of the fruit globular pointed with thirty strias, leaves smooth, petals intire. *conium-like.*
- conica.* 16. S. calyxes of the fruit conic with thirty strias, leaves soft, petals two-cleft. *conic.*
- Behen.* 17. S. calyxes smooth egg'd vein-netted.
- stricta.* 18. S. petals end-nick'd, calyxes smooth net-vein'd pointed longer than the peduncle, stem two-fork'd upright. *upright.*
- pendula.* 19. S. calyxes fruit-bearing pendulous inflated: with ten rugged angles. *pendulous.*
- noctiflora.* 20. S. calyxes ten-angled: the teeth equalling the tube, stem two-fork'd, petals two-cleft. *night-flowering.*
- virginica.* 21. S. calyxes of the flower cylindric, panicle two-fork'd. *virginian.*
- antirrhina.* 22. S. petal end-nick'd, calyxes egg'd, peduncles three-cleft, leaves lanced somewhat fringed. *antirrhinum.*
- rubella.* 23. S. erect polish'd, calyxes subglobular smooth vein'd, corols unopen'd. *blushing.*
- inaperta.* 24. S. stem two-fork'd paniced, calyxes polish'd, petals most short end-nick'd, leaves smooth lanced. *unopen'd.*
25. S.

344. TEN MALES. THREE FEMALES. *Silene*.

- hortensis*. 25. stem two-fork'd paniced, calyxes striated, petals two-cleft, leaves linear. *garden.*
- cretica*. 26. S. erect polish'd, calyxes erect ten-angled, petals two-cleft. *cretan.*
- muscipula*. 27. S. petals two-cleft, stem two-fork'd, flowers axillary sessile, leaves smooth. *catchfly.*
- polyphylla*. 28. S. leaves fascicled bristly: those of the flowering branches opposite. *many-leaved.*
- Armeria*. 29. S. flowers fascicled level-top'd, superiour leaves hearted smooth, petals intire.
- rupestris*. 31. S. flowers erect petals end-nick'd, calyxes columnar, leaves lanced. *rock.*
- Saxifraga*. 32. S. stems mostly one-flower'd, peduncles the length of the stem, flowers hermaphrodite and female, petals two-cleft. *Saxifrage.*
- vallesia*. 33. S. stems mostly one-flower'd decumbent, leaves lanced downy the length of the calyx. *vallesian.*
- acaulis*. 34. stemless depresso'd, petals end-nick'd. *stemless.*
- orchidea*. S. flowers fascicled level-top'd, petals four-cleft, leaves egg'd smooth. S. *orchis-like.*
- ægyptiaca*. S. petals end-nick'd tooth'd on each side, leaves rather downy. S. *ægyptian.*

568. STELLARIA. *Cal.* 5-leaved, expanding.  
*Petals* 5, two-parted. *Caps.* 1-cell'd,  
 many-seeded. *Star-flower.*

- nemorum*. 1. S. leaves hearted petioled, panicle with peduncles branchy. *of the groves.*
- dichotoma*. 2. S. leaves egg'd sessile, stem two-fork'd, flowers solitary, peduncles fruit-bearing reflected. *two-fork'd.*
- radians*. 3. S. leaves lanced sawletted, petals five-parted. *radiant.*
- Holosteia*. 4. S. leaves lanced sawletted, petals two-cleft.
- graminea*. 5. S. leaves linear most intire, flowers paniced. *grassy.*
- Cerastoides*. 6. S. leaves oblong, peduncles mostly two-flower'd. *Cerastium-like.*
- biflora*. 7. S. leaves awl'd, scapes mostly two-flower'd, petals end-nick'd, germs oblong, calyxes striated. *two-flower'd.*
- arenaria*. 8. S. leaves spatuled, stem erect two-cleft, branches alternate petals end-nick'd. *sand.*



569. *ARENARIA.* *Cal.* 5-leaved, expanding.  
*Petals* 5, intire. *Capsf.* 1-cell'd, many-  
 seeded. *Sandwort.*

- peploides.* 1. *A.* leaves egg'd acute fleshy. *peplis-like.*  
*tetraquetra.* 2. *A.* leaves egg'd keel'd recurved four-ways imbricated.  
*four-sided.*  
*biflora.* *A.* leaves inverfe-egg'd obtuse, stems procumbent,  
 peduncles two-flower'd lateral. *two-flower'd.*  
*lateriflora.* 3. *A.* leaves egg'd obtuse, peduncle lateral two-flower'd.  
*side-flowering.*  
*trinervia.* 4. *A.* leaves egg'd acute petioled nervy. *three-nerved.*  
*ciliata.* 15. *A.* leaves egg'd nervy fringed acute. *fringed.*  
*balearica.* *A.* leaves egg'd lucid rather fleshy, stem creeping,  
 peduncles one-flower'd. *balearean.*  
*multicaulis.* 5. *A.* leaves egg'd nerveless sessile acute: corols larger  
 than the calyx. *many-stem'd.*  
*serpyllifolia.* 6. *A.* leaves rather egg'd acute sessile, corols shorter than  
 the calyx. *thyme-leaved.*  
*triflora.* *A.* leaves lance-awl'd fringed, branches mostly three-  
 flower'd, petals lined obtuse. *three-flower'd.*  
*montana.* 7. *A.* leaves linear-lanced rugged, stems barren most  
 long procumbent. *mountain.*  
*rubra.* 8. *A.* leaves thread-form, stipules membranous sheath-  
 ing. *red.*  
*media.* 9. *A.* leaves linear-fleshy, stipules membranous, stems  
 pubescent. *middle.*  
*bavarica.* 10. *A.* leaves semicylindric fleshy obtuse, petals lanced,  
 terminal peduncles mostly two'd. *bavarian.*  
*gyssophiloides.* *A.* leaves linear: radical ones bristly, panicle subpu-  
 buscent, petals lanced. *gyssophila-like:*  
*saxatilis.* 11. *A.* leaves awl'd, stems panicled, calyxes with leaflets  
 egg'd obtuse. *rock.*  
*verna..* *A.* leaves awl'd, stems panicled, calyxes pointed stri-  
 ated. *vernal.*  
*hispida.* 16. *A.* leaves awl'd hispid underneath. *hispid.*  
*juniperina.* *A.* leaves awl'd thorny, stems erect, calyxes striated,  
 capsules oblong. *juniper.*  
*tenuifolia.* 12. *A.* leaves awl'd, stem panicled, capsules erect, petals  
 shorter than the calyx lanced. *slender-leaved.*  
*laricifolia.* 13. *A.* leaves bristly, stem nakedish above, calyxes rather  
 shaggy. *larix-leaved.*

346. TEN MALES. THREE FEMALES. *Arenaria*.

- striata*. 14. A. leaves linear erect appress'd, calyxes oblong striated.  
*fasciculata*. A. leaves awl'd, stem erect upright, flowers fascicled, petals most short. *striated.*  
*grandiflora*. 17. A. leaves awl'd flat upright: radical leaves crowded, stems one-flower'd. *fascicled.*  
*liniflora*. A. leaves awl'd, stems shrubbyish, flowers double. *great-flower'd.*  
*liniflora*. A. stems erect, branchy below shrubby, leaves awl'd, flowers double. S. *flax-flower'd.*

570. CHERLERIA. *Cal.* 5-leaved. *Nectaries* 5-two-cleft, petal-like. *Anthers* alternate barren. *Caps.* 1-cell'd, 3-valved, three-seeded.

*Sedoides*. 1. CHERLERIA. *Sedum-like.*

571. GARIDELLA: *Cal.* 5-leaved, petal-like. *Nectaries* 5, two-lip'd, two-cleft. *Caps.* 3, connected, many-seeded.

*Nigellastrum*. 1. GARIDELLA.

572. MALPIGHIA. *Cal.* 5-leaved with honey-bearing pores on the outside the base. *Petals* 5, roundish, claw'd. *Berry* 1-cell'd, 3-seeded.

- glabra*. 1. M. leaves egg'd most intire smooth, peduncles umbel'd. *smooth.*  
*punicifolia*. 2. M. leaves egg'd most intire smooth, peduncles one-flower'd. *punica-leaved.*  
*nitida*. 3. M. leaves lanced most intire smooth, spikes lateral. *glossy.*  
*urens*. 4. M. leaves oblong-egg'd: bristles underneath decumbent rigid, peduncles one-flower'd aggregate. *stinging.*  
*angustifolia*. 4. M. leaves linear-lanced: with bristles on both sides decumbent rigid, peduncles umbel'd. *narrow-leaved.*  
 6. M.

DECANDRIA. TRIGYNIA. Malpighia. 347.

- crassifolia.* 6. M. leaves egg'd most intire downy underneath racemes terminal. *thick-leaved.*  
*verbascifolia.* 7. M. leaves lance-egg'd downy most intire, racemes terminal. *mullein-leaved.*  
*aquifolia.* 8. M. leaves lanced tooth-thorny hispid underneath. *Holly.*  
*coccigera.* 9. M. leaves rather egg'd tooth-thorny. *grain-bearing.*

573. BANISTERIA. *Cal.* 5-parted with honey-bearing pores on the outside the base. *Petals* roundish, claw'd. *Seeds* 3, membrane-wing'd.

- angulosa.* 1. B. leaves finus-angled. *angled.*  
*purpurea.* 2. B. leaves egg'd, spikes lateral, seeds erect. *purple.*  
*laurifolia.* 3. B. leaves egg-oblong rigid, racemes terminal. *bay-leaved.*  
*benghalensis.* 4. B. leaves egg-oblong pointed, racemes lateral, seeds expanding. *benghal.*  
*dichotoma.* 5. B. leaves egg'd, branches two-fork'd. *two-fork'd.*  
*fulgens.* 9. B. leaves rather egg'd downy underneath, racemes cross-arm'd, peduncles umbel'd. *shining.*  
*brachiata.* 7. B. leaves rather egg'd, branches cross-arm'd, seeds narrower within. *cross-arm'd.*

569. HIRÆA. *Cal.* 5-leaved. *Petals* roundish, claw'd. *Capsf.* with three wings, 3-cell'd. *Seeds* two.

*reclinata.* I. HIRÆA. *reclined.*

574. TRIOPTERIS. *Cal.* 5-parted. Six wings of the germ counterfeit *Petals.* *Seeds* 3. *Capsf.* 3, two-wing'd. 1-seeded.

*jamaicensis.* TRIOPTERIS. *jamaica.*

348. TEN MALES. THREE FEMALES. Erythroxyton.

575. ERYTHROXYLON. *Cal.* top-shape. *Cor.* the petals with a nectar-bearing end-nick'd scalelet at the base. *Stamens* connected at the base. *Drupe* 1-cell'd.

*areolatum.* 1. E. leaves inverfe-egg'd.

*havanense.* 2. E. leaves egg'd.

*bavanna.*

F I V E F E M A L E S.

(*Pentagynia.*)

576. AVERRHOA. *Cal.* 5-leaved. *Petals* 5, expanding above. *Pome* 5-corner'd, 5-cell'd.

*Bilimbi.* 1. A. stock naked fructifying, pomes oblong obtuse-angled.

*Carambola.* 2. A. axils of the leaves fructifying, pomes oblong acute-angled.

*acida.* 3. A. branches naked fructifying, pomes roundish. *acid.*

577. SPONDIAS. *Cal.* 5-tooth'd. *Cor.* 5-petal'd. *Drupe* with a five-cell'd nucleus.

*Mombin.* 1. S. leaves with the common petiole compress'd.

*Myrobalanus.* 2. S. petioles columnar : leaflets glossy pointed.

578. COTYLEDON. *Cal.* 5-cleft. *Cor.* 1-petal'd. Five nectar-bearing *Scales* at the base of the germ. *Caps.* 5. *Navel Wort.*

*orbiculata.* 1. C. leaves orbicular fleshy flat most intire, stem shrubby.

*spuria.* 2. C. leaves spatule-lanced fleshy most intire, stem shrubby.

*hemisphaerica.* 3. C. leaves semiglobular.

*ferrata.* 4. C. leaves oval notch'd, stem spiked.

*orbicular.*  
*spurious.*  
*hemispheric.*  
*saw'd.*  
9. C.

- Umbilicus.* 9. C. leaves cowl-targetted saw-tooth'd alternate, stem  
branchy, flowers erect. *naveh.*
- laciniata.* 6. C. leaves jagg'd, flowers four-cleft. *jagg'd.*
- hispanica.* 7. C. leaves oblong rather columnar, flowers fascicled.  
*spanish.*
- papillaris.* C. leaves opposite column-egg'd, flowers corymbed.  
S. *papillary.*
- mamillaris.* C. leaves alternate column-egg'd, flowers alternate  
subsessile. S. *mamillary.*
- triflora.* C. leaves inverse-egg'd intire, flowers subpeduncled  
threefold. S. *three-flower'd.*
- Cacalioides.* C. leaves columnar, flowers corymbed, stem shrubby.  
S. *Cacalia-like.*
- reticulata.* C. shrubby, leaves columnar, flowers net-corymbed.  
S. *netted.*
- paniculata.* C. shrubby, leaves oblong -egg'd sessile, panicle diva-  
ricated racemed. S. *panicled.*

579. SEDUM. *Cal.* 5-cleft. *Cor.* 5-petal'd. Five  
nactar-bearing *Scales* at the base of the  
germ. *Capsules* 5.

\* *Flat-leaved.*

- verticillata.* 1. S. leaves fourfold. *veticil'd.*
- Telephium.* 2. S. leaves flattish saw'd, corymbe leafy, stem erect.
- Anacampe-  
feros.* 3. S. leaves wedge-form most intire, stems decumbent,  
flowers corymbed.
- Aizoon.* 4. S. leaves lanced saw'd flat, stem erect, cyme sessile  
terminal,
- hybridum.* 5. S. leaves wedge-form concave rather tooth'd aggre-  
gate, branches creeping, cyme terminal. *mule.*
- stellatum.* 7. S. leaves flattish angled, flowers lateral sessile solitary.  
*star'd.*
- Cepæa.* 8. S. leaves flat, stem branchy, flowers panicled.
- libanoticum.* 6. S. radical leaves fascicled spatule-lanced, stem nakedish  
most simple. *libanos.*

\*\* *Columnar-leaved.*

- dasyphyllum.* 9. S. leaves opposite egg'd obtuse fleshy, stem weak,  
flowers scatter'd. *dense-leaved.*
- reflexum.* 10. S. leaves awl'd scatter'd loose at the base: inferiour  
ones recurved. *reflected.*

II. S.

350. TEN MALES. FIVE FEMALES. Sedum.

- rupestre.* 11. S. leaves awl'd five-faced crowded at the base, flowers cymed. rock.
- hispanicum.* 12. S. leaves columnarish acute: radical leaves fascicled, cyme pubescent. spanish.
- album.* 13. S. leaves oblong obtuse columnarish sessile expanding, cyme branchy. white.
- acre.* 15. leaves somewhat egg'd coadjoin-sessile gibbous erectish alternate, cyme three-cleft. acid.
- sexangulare.* 16 S. leaves rather egg'd adjoin-sessile gibbous erectish imbricated six-ways. six-angled.
- annuum.* 17. S. stem erect solitary annual, leaves egg'd sessile gibbous alternate, cyme recurved. annual.
- villosum.* 18. S. stem erect, leaves flattish and peduncles rather hairy. villous.
- atratum.* 19. S. stem erect, flowers corymbed level-top'd. black.
- populifolium.* S. leaves petioled hearted tooth'd, flowers panicled. poplar-leaved.

\* *Sedum blushing*; see *Craffula red.*

580. PENTHORUM. *Cal.* 5-cleft. *Petals* none to five. *Capsf.* 5-piked, 5-cell'd.

*Sedoides.* I. PENTHORUM. *Sedum-like.*

1309. BERGIA. *Cal.* 5-parted. *Petals* 5. *Capsf.* 1, globular, protuberant, 5-cell'd, 5-valved: valvelets petal-like. *Seeds* most numerous.

*glomerata.* B. leaves inverse-egg'd notchletted, flowers glomerated. S. *glomerated.*

*capensis.* B. leaves lanced or elliptic, flowers verticil'd. S. *cape.*

581. SURIANA. *Cal.* 5-leaved. *Petals* 5. *Styles* inserted on the interior side of the germs. *Seeds* 5, naked.

*maritima.* I SURIANA. *sea.*

1235. GRIELUM. *Cal.* 5-cleft. *Petals* 5. *Filaments* permanent. *Pericarps* 5, one-seeded.

*tenuifolium.* 1. GRIELUM. *slender-leaved.*

582. OXALIS. *Cal.* 5-leaved. *Petals* connected by the claws. *Capsf.* gaping in the angles, 5-corner'd.

\* *With scape radical.*

- monophylla.* O. scape one-flower'd, leaves simple. *one-leaved.*  
*Acetosella.* 1. O. scape one-flower'd, leaves three'd inverse-hearted root teeth-like.  
*purpurea.* 2. O. scape one-flower'd, leaves three'd end-nick'd fringed. *purple.*  
*longiflora.* 3. O. scape one-flower'd, leaves three'd half-two-cleft : lobes lanced. *long-flower'd.*  
*flava.* 4. O. scape one-flower'd, leaves three'd two-parted. *yellow.*  
*compressa.* O. scapes one-flower'd, leaves three'd, leaflets inverse-hearted, petioles flat-dilated. *S compress'd.*  
*punctata.* O. scape one-flower'd, leaves three'd inverse-hearted dotted. *S. dotted.*  
*natans.* O. scape one-flower'd, leaves three'd swimming. *S. swimming.*  
*tomentosa.* O. scape one-flower'd, leaves finger'd downy. *S. downy.*  
*lanata.* O. scape one-flower'd, leaves three'd inverse-hearted downy. *S. woolly.*  
*violacea.* 5. O. scape umbel-bearing, leaves three'd inverse-hearted, calyxes callous at top. *violet.*  
*Pes Capræ.* 6. O. scape umbel-bearing, leaves three'd mostly two-parted : callous underneath at top. *Goats-foot.*  
*sensitiva.* 7. O. scape umbel-bearing, leaves feather'd. *sensitive.*  
 \*\* *With stem-leaves alternate.*  
*versicolor.* 8. O. peduncles one-flower'd, stem branchy, leaves every where verticil'd linear end-nick'd bearded underneath at top. *colour-changing.*  
*incarnata.* 9. O. peduncles one-flower'd, stem branchy bulb-bearing, leaves every where verticil'd : leaflets inverse-hearted. *incarnate.*

352. TEN MALES. FIVE FEMALES. Oxalis.

- sessilifolia.* O. peduncles one-flowered, stem most simple, leaves three'd pubescent: leaflets undivided. *sessile-leaved.*
- hirta.* 10. O. peduncles one-flower'd, stem more simple, highest leaves crowded: leaflets two-lobe-divaricated. *shaggy.*
- corniculata.* 11. O. peduncles umbel-bearing, stem branchy diffuse. *horned.*
- stricta.* 12. O. peduncles umbel-bearing, stem branchy erect. *up-right.*
- frutescens.* 13. O. peduncles umbel-bearing, stems shrubby, leaves three'd egg'd: the intermediate one petioled. *shrub-growing.*
- Barrelieri.* 14. O. peduncles two-cleft racemed, stem branchy erect. *of Barrelier.*
- sericea.* O. stem-growing, peduncles umbel-bearing, leaflets inverse-hearted downy. S. *silky.*

583. AGROSTEMMA. *Cal.* 1-leaved, leathery. *Petals* 5, claw'd: with *Border* obtuse undivided. *Capsf.* 1-celled. *Cockle.*

- Githago.* 1. A. shaggy, calyxes equalling the corol, petals intire naked.
- Coronaria.* 3. A. downy, leaves egg-lanced, petals end-nick'd, crown'd saw'd.
- Flos jovis.* 4. A. downy, petals end-nick'd. *Flower of Jupiter.*
- Celi rosa.* 2. A. smooth, leaves linear-lanced, petals end-nick'd crown'd. *Rose of Heaven.*

584. LYCHNIS. *Cal.* 1-leaved oblong, polished. *Petals* 5, claw'd: with *Border* nearly two-cleft. *Capsf.* 5-cell'd.

- chalconica.* 1. L. flowers fascicled level-top'd. *chalconic.*
- Flos cuculi.* 2. L. petals four-cleft, fruit roundish. *Cuckow flower.*
- quadridentata.* L. petals four-tooth'd, stem two-fork'd, leaves smooth recurved. *four-tooth'd.*
- viscaria.* 3. L. petals nearly intire. *viscous.*
- alpina.* 4. L. petals two-cleft, flowers four-female. *alpine.*
- sibirica.* 5. L. petals two-cleft, stem two-fork'd, leaves shaggyish. *siberian.*

6. L.



- dioica*. 6. L. flowers two-houfe. *two-houfe*.  
*alpestris*. L. petals four-cleft crown'd, leaves recurved. S. *alpine*.  
*apetala*. 7. L. calyx inflated, coral fhorter than the calyx, ftem  
 moffly one-flower'd hermaphrodite. *petallefs*.

585. CERASTIUM. *Cal.* 5-leaved. *Petals* two-cleft. *Capsf.* one-cell'd, gaping at top.  
*Mouse-ear Chickweed*.

\* *With capsules oblong.*

- perfoliatum*. 1. C. leaves conjoin'd. *leaf-pierced*.  
*vulgatum*. 2. C. leaves egg'd, petals equal to the calyx, ftems dif-  
 fufe. *common*.  
*viscofum*. 3. C. erect villous-viscous. *viscous*.  
*semidecandrum*. 4. C. flowers five-male, petals end-nick'd. *half-ten-*  
*male*.  
*pentandrum*. 5. C. flowers five-male, petals intire. *five-male*.  
*arvenfe*. 6. C. leaves linear-lanced obtufe fmooth, corols larger  
 than the calyx. *field*.  
*dichotomum*. 7. C. leaves lanced, ftem two-fork'd moff branchy, cap-  
 fules erect. *two-fork'd*.  
*alpinum*. 8. C. leaves egg-lanced, ftem divided, capsules oblong.  
*alpine*.

\* \* *With capsules roundifh.*

- repens*. 9. C. leaves lanced, peduncles branchy, capsules  
 roundifh. *creeping*.  
*strictum*. 10. C. leaves linear pointed fmooth, peduncles one-flow-  
 er'd rather downy, capsules globular. *up-*  
*right*.  
*suffrutico-* 11. C. ftem perennial procumbent, leaves linear-lanced  
*fum*. fhaggyifh. *shrubbyifh*.  
*maximum*. 12. C. leaves rugged, petals notch'd, capsules globular.  
*greatest*.  
*aquaticum*. 13. C. leaves hearted feffile, flowers folitary, fruit pendu-  
 lous. *aquatic*.  
*latifolium*. 15. C. leaves egg'd downyifh, branches one-flower'd, cap-  
 fules globular. *broad-leaved*.  
*tomentofum*. 16. C. leaves oblong downy, peduncles branchy, capsules  
 globular. *downy*.

354. TEN MALES. FIVE FEMALES. *Ceraftium*.

*manticum*. 14. C. smooth, stem striated, leaves lanced, peduncles most long, capsules globular.

586. SPERGULA. *Cal.* 5-leaved. *Petals* 5, intricate. *Capsf.* egg'd, 1-cell'd, 1-valved. *Spurrey*.

- |                      |   |                     |
|----------------------|---|---------------------|
| <i>arvensis</i> .    | 1. S. leaves verticil'd, flowers ten-male.  | <i>field.</i>       |
| <i>pentandra</i> .   | 2. S. leaves verticil'd, flowers five-male.   | <i>five-male.</i>   |
| <i>nodosa</i> .      | 3. S. leaves opposite awl'd polish'd, stems simple.                                 | <i>knotted.</i>     |
| <i>laricnia</i> .    | 4. S. leaves opposite awl'd fring'd fascicled.                                      | <i>larch.</i>       |
| <i>saginooides</i> . | 5. S. leaves opposite linear polish'd, peduncles solitary most long, stem creeping. | <i>sagina-like.</i> |

1262. FORSKOHLEA. *Cal.* five-leaved, longer than the corol. *Petals* 10, spatuled. *Pericarp* none. *Seeds* 5, connected with wool.

- |                      |                        |    |                        |
|----------------------|------------------------|----|------------------------|
| <i>candida</i> .     | F. leaves tooth'd.     | S. | <i>white.</i>          |
| <i>tenacissima</i> . | F. leaves egg'd saw'd. | S. | <i>most tenacious.</i> |

## T E N F E M A L E S.

(*Decagynia*.)

587. NEURADA. *Cal.* 5-parted. *Petals* 5. *Capsf.* beneath, 10-cell'd, 10-seeded, prickly.

- |                     |    |          |                    |
|---------------------|----|----------|--------------------|
| <i>procumbens</i> . | 1. | NEURADA. | <i>procumbent.</i> |
|---------------------|----|----------|--------------------|

588. PHYTOLACCA. *Cal.* 0. *Petals* 5, calycine. *Berry* above, 10-cell'd, 10-seeded.

- |                    |  |                     |
|--------------------|--|---------------------|
| <i>oetandra</i> .  | 1. P. flowers eight-male eight-female. | <i>eight-male.</i>  |
| <i>decandra</i> .  | 2. P. flowers ten-male ten-female.     | <i>ten-male.</i>    |
| <i>icosandra</i> . | 3. P. flowers twenty-male ten-female.  | <i>twenty-male.</i> |
| <i>dioica</i> .    | 4. P. flowers two-houfe.               | <i>two-houfe.</i>   |

C L A S S



- 601 PEGANUM. *Cor.* 5-petal'd. *Cal.* 5-leaved, beneath. *Capsf.* 3-cell'd. *Stamens* 15.
- 602 NITRARIA. *Cor.* 5-petal'd. *Cal.* 5-cleft, beneath. *Drupe* 1-seeded. *Stamens* 15.
- 1311 VATICA. *Cor.* 5-petal'd. *Anthers* 15, four-cell'd: interior cells shorter.
- 598 WINTERANA. *Cor.* 5-petal'd. *Cal.* 3-lobed, beneath. *Berry* 3-cell'd, 2-seeded.
- 1392 DODECAS. *Cor.* 5-petal'd. *Nectary* anther-bearing. *Cal.* half-4-cleft corol-bearing. *S.*
- 603 PORTULACA. *Cor.* 5-petal'd. *Cal.* 2-cleft, beneath. *Capsf.* 1-cell'd, circumcised.
- 604 LYTHRUM. *Cor.* 6-petal'd. *Cal.* 12-cleft, beneath. *Capsf.* 2-cell'd.
- 605 GINORA. *Cor.* 6-petal'd. *Cal.* 6-cleft, beneath. *Capsf.* 1-cell'd, 4-valved.
- 593 BLAKEA. *Cor.* 6-petal'd. *Cal.* of the fruit 6-leaved: of the flower above undivided. *Capsf.* 6-cell'd. *Anthers* connected.
- 1310 BEFARIA. *Cor.* 7-petal'd. *Stamens* 14. *Berry* juiceless, 7-cell'd.
- 1343 BASSIA. *Cor.* 8-cleft. *Stamens* 16. *Drupe* 5-seeded.
- 597 DECUMARIA. *Cor.* 10-petal'd. *Cal.* 10-leaved, above.
- 590 GETHYLLIS. *Cor.* 6-petal-like. *Spathe* 1-leaved, above. *Capsf.* 3-cell'd.

\* *Cleome viscosus*, twelve-male,

*Rivina* eight-male.

*Chironia* twelve-male.

## T W O F E M A L E S.

(*Digynia.*)

- 606 HELIOCARPUS. *Cor.* 4-petal'd. *Cal.* 4-leaved. *Capsf.* 2-cell'd, 1-seeded, flat-radiated.
- 607 AGRIMONIA. *Cor.* 5-petal'd. *Cal.* 5-cleft. *Seeds* 1, or 2.

## T H R E E



## T W E L V E F E M A L E S .

*(Dodecagynia.)*612 SEMPERVIVUM. Cor. 12-petal'd. Cal. 12-parted. Capsules  
12.

## M A N Y F E M A L E S .

*(Polygynia.)*\* *Alisma heart-leaved.*

ONE

ONE FEMALE.

(*Monogynia.*)

589. ASARUM. *Cal.* 3-or-4-cleft, fitting on the germ. *Cor.* o. *Capsf.* leathery, crown'd.

- |                    |  |                   |
|--------------------|--|-------------------|
| <i>europæum.</i>   | 1. A. leaves kidney-form obtuse two-fold.    | <i>european.</i>  |
| <i>canadense.</i>  | 2. A. leaves kidney-form dagger'd.           | <i>canada.</i>    |
| <i>virginicum.</i> | 3. A. leaves hearted obtuse smooth petioled. | <i>virginian.</i> |

591. BOCCONIA. *Cal.* 2-leaved. *Cor.* o. *Style* two-cleft. *Berry* quite dry, 1-seeded.

- |                    |              |                       |
|--------------------|--------------|-----------------------|
| <i>frutescens.</i> | 1. BOCCONIA. | <i>shrub-growing.</i> |
|--------------------|--------------|-----------------------|

590. GETHYLLIS. *Spathe.* *Cor.* 6-cleft. *Stamens* inferted six - ways. *Capsf.* 3-cell'd.

- |              |               |                 |
|--------------|---------------|-----------------|
| <i>afra.</i> | 1. GETHYLLIS. | <i>african.</i> |
|--------------|---------------|-----------------|

1347. BASSIA. *Cal.* 4-leaved. *Cor.* 8-cleft: tube inflated. *Stamens* 16. *Drupe* 5-seeded.

- |                    |         |                     |
|--------------------|---------|---------------------|
| <i>longifolia.</i> | BASSIA. | <i>long-leaved.</i> |
|--------------------|---------|---------------------|

592. RHIZOPHORA. *Cal.* 4-parted. *Cor.* 4-parted. *Seed* most long, fleshy at the base.

- |                     |  |                    |
|---------------------|--|--------------------|
| <i>conjugata.</i>   | 1. R. leaves egg-oblong obtusifish most intire, calyxes sessile, fruit cylinder-awl'd. | <i>pair'd.</i>     |
| <i>gymnorhiza.</i>  | 2. R. leaves egg-lanced most intire, root laid upon the ground.                        | <i>naked-root.</i> |
| <i>Candel.</i>      | 3. R. leaves obtuse, peduncles twice-doubled longer than the leaf, fruit awl'd.        |                    |
| <i>corniculata.</i> | 4. R. leaves egg'd, flowers crouded, fruit arch'd, pointed.                            | <i>horned.</i>     |
|                     |  | 5. R.              |

360. TWELVE MALES. ONE FEMALE. Rhizophora.

- Mangle.* 5. R. leaves acute, fruit awl-club'd.  
*cylindrica.* 5. R. fruit cylindric obtuse. *cylindric.*  
*cafeolaris.* 6. R. leaves egg'd obtuse, flowers solitary, fruit orbicu-  
 lar deprefs'd dagger'd. *cheese.*

593. BLAKEA. *Cal.* beneath, fix-leaved; that  
 above intire. *Petals* 6. *Capf.* fix-  
 cell'd, many-seeded.

- triplinervia.* B. uncalyced, leaves triple-nerved. *S.* *triple-*  
*nerved.*  
*trinervia.* B. two-calyced, leaves nerveless tranversely most  
 nicely striated. *S.* *three-nerved.*

1310. BEFARIA. *Cal.* 7-cleft. *Petals* 7. *Sta-*  
*mens* 14. *Berry* 7-cell'd, many-seeded.

- resinosa.* B. leaves egg'd, flowers collected. *S.* *resinous.*  
*astuans.* B. leaves lanced, flowers racemed. *S.* *scorching.*

1311. VATICA. *Cal.* 5-cleft. *Petals* 5. *An-*  
*thers* 15, seffile, 4-cell'd.

- chinensis.* VATICA. *china.*

594. GARCINIA. *Cal.* 4-leaved, beneath. *Petals*  
 4. *Berry* 8-seeded, crown'd with a  
 targetted *Stigma.*

- Mangostana.* 1. G. leaves egg'd, peduncles one-flower'd.  
*celebica.* 2. G. leaves lanced, peduncles three-flower'd.  
*cornea.* G. leaves lanced veinless, peduncles bowing. *horny.*

596. HALEZIA. *Cal.* 4-tooth'd, above. *Cor.* 4-  
 cleft. *Nut* quadrangular, 2-seeded.

- tetraptera.* 1. H. leaves lance-egg'd, petioles glandular. *four-*  
*wing'd.*  
*diptera.* 2. H. leaves egg'd, petioles polish'd. *two-wing'd.*

597. DE-



597. DECUMARIA. *Cal.* 10-leaved, above.  
*Petals* 10. *Fruit* still unknown.

*barbara.* 1. DECUMARIA. *barbarous.*

598. WINTERANIA. *Cal.* 3-lobed. *Petals* 5.  
*Anthers* 16, growing on the pitcher'd  
Nectary. *Berry* 3-cell'd. *Seeds* 2.

*Canella.* 1. WINTERANIA.

599. CRATÆVA. *Cor.* 4-petal'd. *Cal.* 4-cleft.  
*Berry* 1-cell'd, many-seeded. *Garlick*  
*Pear.*

*gynandra.* 1. C. unarm'd, leaves egg'd most intire, flowers femi-  
nine-male. *feminine-male.*

*Tapia.* 2. C. unarm'd, leaflets most intire lateral shorter at the  
anteriour base.

*Marmelos.* 3. C. thorny, leaves saw'd.

600. TRIUMFETTA. *Cor.* 5-petal'd. *Cal.* 5-  
leaved. *Capsf.* hispid, bursting into  
four.

*Lappula.* 1. T. leaves end-nick'd at the base, flowers not ca-  
lycled.

*Bartramia.* A. T. leaves intire at the base undivided.

*femitriloba.* 2. T. leaves half-three-lobed, flowers complete. *half-*  
*three-lobed.*

*annua.* 3. T. leaves egg'd undivided or rarely lobed. *annual.*

601. PEGANUM. *Cor.* 5-petal'd. *Cal.* 5-leaved,  
or 0. *Capsf.* 3-cell'd, 3-valved, many-  
seeded.

*Harmala.* 1. P. leaves many-cleft.

*dauricum.* 2. P. leaves undivided.

*daurica.*

302. TWELE MALES. ONE FEMALE. Hudsonia.

1263. HUDSONIA. *Cor.* none. *Cal.* 5-leaved, tubular. *Stamens* 15. *Capf.* 1-cell'd, 3-valved, 3-seeded.

*ericoides.* HUDSONIA. *heath-like.*

602. NITRARIA. *Cor.* 5-petal'd, petals vaulted at top. *Cal.* 5-cleft. *Stamens* 15. *Drupe* many-seeded.

*Schoberi.* A. NITRARIA. *of Schober.*

603. PORTULACA. *Cor.* 5-petal'd. *Cal* 2-cleft. *Capf.* 1-cell'd, circumcised, or 3-valved. *Purflane.*

- oleracea.* 1. P. leaves wedge-form, flowers sessile. *oleraceous.*  
*pilosa.* 2. P. leaves awl'd alternate: axils hairy, flowers sessile terminal. *hairy.*  
*quadrifida.* 7. P. bractes four-fold, flowers four-cleft, stem with hairy knots. *four-cleft.*  
*halimoides.* 3. P. leaves oblong fleshy, stem corymbed, flowers sessile. *halimus-like.*  
*triangularis.* 5. P. leaves inverfe-egg'd flattish, raceme simple three-fided. *triangular.*  
*Anacampse-ros.* 4. leaves egg'd gibbous, peduncle many-flower'd, stem shrubby.  
*patens.* P. leaves lance-egg'd flat, panicle branchy, calyx two-leaved. *expanding.*  
*fruticosa.* 6. P. leaves inverfe-egg'd flattish, peduncles racemed, calyxes five-leaved, stem shrubby. *shrubby.*  
*meridiana.* P. leaves elliptic fleshy flat, knots hairy, flowers sessile terminal. *S. meridian.*

604. LY-

604. LYTHRUM. *Cal.* 12-cleft. *Petals* 6, inserted on the calyx. *Capsf.* 2-cell'd, many-seeded.

- Salicaria.* 1. L. leaves opposite heart-lanced, flowers spiked, twelve-male.
- virgatum.* 10. L. leaves opposite lanced, panicle twiggy, flowers twelve-male threefold. *twiggy.*
- fruticosum.* A. L. leaves opposite downyish underneath, flowers ten-male, the corol shorter than the calyx, and the calyx shorter than the fructification. *shrubby.*
- verticillatum.* 4. L. leaves opposite downy underneath subpetioled, flowers verticil'd lateral. *verticil'd.*
- petiolatum.* 5. L. leaves opposite linear petioled, flowers twelve-male. *petioled.*
- lineare.* 6. L. leaves opposite linear, flowers opposite six-male. *linear.*
- Parsonsia.* 3. L. leaves opposite oval, flowers alternate six-male sessile, stem diffuse.
- Melanium.* 7. L. leaves opposite egg'd, flowers alternate mostly ten-male, stem prostrate.
- Cuphea.* L. leaves opposite petioled egg-oblong ruggedish, flowers twelve-male. *S.*
- triflorum.* L. most smooth, leaves opposite subsessile lanced intire, peduncles axillary opposite with a three-flower'd head. *S. three-flower'd.*
- Pemphis.* L. shrubby shaggy, leaves opposite oblong intire, flowers axillary peduncled solitary, capsule circumcised one-cell'd. *S.*
- racemosum.* L. diffuse, leaves opposite petioled egg'd, racemes terminal, flowers opposite. *S. racemed.*
- Hyssopifolia.* 8. L. leaves alternate linear, flowers six-male. *Hyssop-leaved.*
- Thymifolia.* 9. L. leaves alternate linear, flowers four-petal'd. *Thyme-leaved.*
- 4-petalum.* L. hispid-viscous, leaves threefold or opposite sessile egg'd, flowers axillary nodding, two-petal'd. *S. two-patal'd.*

364. TWELVE MALES. ONE FEMALE. Ginora.

605. GINORA. *Cal.* 6-cleft. *Petals* 6. *Capf.*  
1 - cell'd, 4 - valved, colour'd, many-  
seeded.

*americana.* GINORA. *american.*

1392. DODECAS. *Cal.* half - four - cleft, corol-  
bearing, above. *Cor.* 5-petal'd. *Capf.*  
1-cell'd, conjoin'd with the calyx. *S.*

*Surinamensis* DODECAS. *Surinam.*

## T W O F E M A L E S.

(*Digynia.*)

606. HELIOCARPUS. *Cal.* 4-leaved. *Petals* 4.  
*Styles* simple. *Capf.* 2-cell'd, com-  
press'd, both ways longitudinally ra-  
diated.

*americana.* HELIOCARPUS. *American.*

607. AGRIMONIA. *Cal.* 5-tooth'd, fenced with  
another. *Petals* 5. *Seeds* 2, in the  
bottom of the calyx. *Agrimony.*

*Eupatoria.* 1. *A.* stem-leaves feather'd : with the odd one petioled?  
fruit hispid.

*repens.* 2. *A.* stem-leaves feather'd : with the odd one sessile,  
fruit hispid. *creeping.*

*Agrimonioides.* 3. *A.* stem-leaves three'd, fruit smooth.

*decumbens.* *A.* leaves feather'd shaggy, stem procumbent, fruit  
every way hispid-hook'd. *S.* *decumbent.*

THREE

T H R E E F E M A L E S .

( *Trigynia.* )

608, RESEDA. *Cal.* 1-leaved, parted. *Petals* jagged. *Capsf.* gaping in the mouth, 1-cell'd. *Bastard Rocket.*

- Luteola.* 1. R. leaves lanced intire one-tooth'd on both sides the base, calyxes four-cleft.
- canescens.* 2. R. leaves lanced waved hairy. *hoary.*
- glauca.* 3. R. leaves linear tooth'd at the base, flowers four-female. *sea-green.*
- purpurascens.* 4. R. leaves linear obtuse, flowers five-female. *purpling.*
- Sesamoides.* 5. R. leaves lanced intire, fruit star'd. *Sesamum-like.*
- fruticulosa.* 7. R. leaves feather'd recurvate at top, flowers four-female, calyxes expanding five-parted, stem shrubby at the base. *shrubbyish.*
- alba.* 8. R. leaves feather'd. flowers four-female, calyxes six-parted. *white.*
- undata.* 6. R. leaves feather'd waved, flowers three-female or four-male. *waved.*
- lutea.* 9. R. leaves all three-cleft: inferiour ones feather'd. *yellow.*
- Phyteuma.* 10. R. leaves intire and three-lobed, calyx most large six-parted.
- mediterranea.* R. leaves intire and three-lobed, calyxes shorter than the flowers. *mediterranean.*
- odorata.* 11. R. leaves intire and three-lobed, calyxes equalling the flower. *odorous.*

609. EUPHORBIA. *Cor.* 4 or 5-petal'd, sitting on the calyx. *Calyx* 1-leaved, bellied. *Capsf.* 3-grain'd. *Spurge.*

\* *Shrubby, prickly,*

- antiquorum.* 1. E. prickly nakedish triangular jointed: branches expanding. *of the ancients.*
2. E.

366. TWELVE MALES. THREE FEMALES. Euphorbia.

- canariensis*. 2. E. prickly naked subquadrangular: prickles doubled. *Canaries.*  
*heptagona*. 3. E. prickly naked seven-angled: thorns solitary awl'd flower-bearing. *seven-corner'd.*  
*mamillaris*. 4. E. prickly naked: angles tuberous distinguished with thorns. *mammillary.*  
*cereiformis*. 5. E. prickly naked many-angled: thorns solitary awl'd. *Cereus-form.*  
*officinarum*. 6. E. prickly naked many-angled: prickles doubled. *officinal.*  
*neriifolia*. 7. E. prickly: angles obliquely tubercled. *nerium-leaved.*

\*\* Shrubby, unarm'd, (stem neither two-fork'd nor umbel-bearing.)

- Caput Medusæ*. 8. E. unarm'd imbricated with tubercles furnish'd with a linear leaflet. *Medusa's Head.*  
*mauritaniaca*. 10. E. unarm'd half-naked shrubby thread-form flaccid, leaves alternate. *mauritanian.*  
*Tirucalli*. 11. E. unarm'd half-naked shrubby thread-form erect, branches expanding determinately crowded.  
*Tithymaloides*. 12. E. unarm'd shrubby, leaves two-ways alternate egg'd. *Tithymalus-like.*  
*heterophylla*. 13. E. unarm'd, leaves saw'd petioled different: egg'd lanced violin-form. *different-leaved.*  
*cotinifolia*. 14. E. leaves opposite nearly hearted petioled end-nick'd most intire, stem shrubby. *cotinus-leaved.*  
*ocymoides*. 15. E. unarm'd herbaceous branchy, leaves nearly hearted most intire shorter than the petiole, flowers solitary. *ocymum-like.*

\*\*\* Two-fork'd (umbel two-cleft or none.)

- origanoides*. 16. E. two-fork'd, leaves sawletted egg'd obtuse three-nerved, panicle terminal, stems simple. *origanum-like.*  
*hypericifolia*. 17. E. two-fork'd, leaves saw'd oval-oblong smooth, corymbes terminal, branches divaricated. *hypericum-leaved.*  
*maculata*. 22. E. two-fork'd, leaves saw'd oblong hairy, flowers axillary solitary, branches spreading. *spotted.*  
*hirta*. 18. E. two-fork'd, leaves sawletted egg'd pointed, peduncles headed axillary, stems hairy. *shaggy.*  
*pilulifera*. 19. E. two-fork'd, leaves saw'd oval-oblong, peduncles two-headed axillary, stem erect. *ball-bearing.*

20. E.

- hyssopifolia*. 20. E. two-fork'd, leaves somewhat notch'd linear, flowers fascicled terminal, stem erect. *hyssop-leaved*.
- Thymifolia*. 21. E. two-fork'd, leaves saw'd oval-oblong, heads axillary glomerated subsessile, stems procumbent. *Thyme-leaved*.
- parviflora*. 23. E. mostly two-fork'd, leaves saw'd oblong smooth, flowers solitary, stem erectish alternately branched. *small-flower'd*.
- canescens*. 24. E. two-fork'd, leaves intire roundish hairy, flowers solitary axillary, stems procumbent. *hoary*.
- Chamaesyce*. 25. E. two-fork'd, leaves notchletted roundish smooth, flowers solitary axillary, stems procumbent.
- Peplis*. 26. E. two-fork'd, leaves most intire half-hearted, flowers solitary axillary, stems procumbent.
- Polygonifolia*. 27. E. leaves opposite most intire lanced obtuse, flowers solitary axillary, stems procumbent. *Polygonum-leaved*.
- graminea*. 63. E. two-fork'd leaves lance-elliptic petioled most intire, stem erect, peduncles two-fork'd. *grassy*.
- Ipecacuanha*. 28. E. two-fork'd, leaves most intire lanced, peduncles axillary one-flower'd equalling the leaves, stem erect. *Ipecacuban*.
- portulacoides*. 29. E. two-fork'd, leaves most intire oval retuse, peduncles one-flower'd equalling the leaves, stem erect. *portulaca-like*.
- myrtifolia*. 30. E. two-fork'd, leaves most intire roundish end-nick'd hoary underneath, flowers solitary, stem erect. *myrtle-leaved*.

\* *Umbel three-cleft*.

- Peplus*. 31. E. umbel three-cleft: two-fork'd, involucels egg'd, leaves most intire inverse-egg'd petioled.
- falcata*. 32. E. umbel three-cleft: two-fork'd, involucels somewhat hearted dagger'd, leaves lanced obtusifish. *sickled*.
- exigua*. 34. E. umbel three-cleft: two-fork'd: involucels lanced, leaves linear. *little*.
- tuberosa*. 35. E. umbel three-cleft, involucre four-leaved, stem naked, leaves oblong end-nick'd. *tuberous*.

\*\* *Umbel four-cleft*.

- Lathyris*. 36. E. umbel four-cleft: two-fork'd, leaves opposite most intire.

368. TWELVE MALES. THREE FEMALES. Euphorbia.

- terraccina.* 33. E. umbel four-cleft: two-fork'd, leaves alternate lanced retuse dagger'd.  
*Apios.* 38. E. umbel four-cleft: two-cleft, with involucels kidney-form: the chief inverse-hearted.

\*\*\* *Umbel five-cleft*

- genistoides.* E. umbel five-cleft: two-cleft with involucels egg'd: leaves linear erect, stem shrub-growing. *genista-like.*  
*spinosa.* 37. E. umbel nearly five-cleft: simple, involucels egg'd: primary ones three-leaved, leaves oblong most intire, stem shrubby. *thorny.*  
*epithymoides.* 39. E. umbel five-cleft: two-cleft, with involucels egg'd, leaves lanced obtuse villous underneath. *epithimon-like.*  
*dulcis.* 40. E. umbel five-cleft: two-cleft, with involucels somewhat egg'd, leaves lanced obtuse most intire. *sweet.*  
*Pithyusa.* 41. E. umbel five-cleft: two-cleft, with involucels egg'd dagger'd, leaves lanced: the lowest involute imbricated backwards.  
*Portlandica.* 42. E. umbel five-cleft: two-fork'd, involucels somewhat hearted concave, leaves linear lanced smooth. *Portland.*  
*Paralias.* 43. E. umbel nearly five-cleft: two-cleft, with involucels heart-kidney-form, leaves imbricated upwards.  
*aleppica.* 44. E. umbel five-cleft: two-fork'd, involucels egg-lanced dagger'd, inferiour leaves bristly. *aleppo.*  
*pinea.* 64. E. umbel five-cleft: two-fork'd, involucels hearted, leaves linear pointed crowded, capsules somewhat polish'd. *pine.*  
*segetalis.* 45. E. umbel five-cleft: two-fork'd, involucels hearted acute, leaves linear-lanced: superiour leaves broader. *corn.*  
*helioscopia.* 46. E. umbel five-cleft: three-cleft: two-fork'd, with involucels inverse-egg'd, leaves wedge-form saw'd.  
*serrata.* 47. E. umbel five-cleft: three-cleft: two-fork'd, with involucels two-leaved kidney-form, leaves stem-clasping hearted saw'd. *saw'd.*  
*verrucosa.* 48. E. umbel five-cleft: nearly three-cleft: two-cleft, with involucels egg'd, leaves lanced saw'd villous, capsules warty. *warty.*

48. E.



- corollata.* 48. E. umbel five-cleft: three-cleft: two-fork'd, with involucels and leaves oblong obtuse, petals membranous. *corol'd.*
- coralloides.* 50. E. umbel five-cleft: three-cleft: two-fork'd, with involucels egg'd, leaves lanced, capsules woolly. *coral-like.*
- pilosa.* 51. E. umbel five-cleft: three-cleft: two-cleft, with involucels egg'd, petals intire, leaves lanced rather hairy sawletted at top. *hairy.*
- orientalis* 52. E. umbel five-cleft: four-cleft: two-fork'd, with involucels roundish acute, leaves lanced. *oriental.*
- platyphyllos.* 53. E. umbel five-cleft: three-cleft: two-fork'd, with involucels hairy on the keel, leaves saw'd lanced, capsules warty. *broad-leaved.*

\* \* \* \* Umbel many-cleft.

- Efula.* 54. E. umbel many-cleft: two-cleft with involucels somewhat hearted, petals mostly two-horn'd, branches barren, leaves uniform.
- Cyparissias.* 55. E. umbel many-cleft: two-fork'd, involucels somewhat hearted, branches barren with leaves bristly; stem-leaves lanced.
- myrsinites.* 56. E. umbel nearly eight-cleft: two-cleft, with involucels somewhat egg'd, leaves spatuled expanding fleshy dagger'd rugged on the margin.
- palustris.* 57. E. umbel many-cleft: nearly three-cleft: two-cleft, with involucels egg'd, leaves lanced, branches barren. *marsh.*
- hyberna.* 58. E. umbel six-cleft: two-fork'd, with involucels oval, leaves most intire, branches none, capsules warty. *winter.*
- dendroides.* 59. E. umbel many-cleft: two-fork'd, involucels somewhat hearted: primary ones three-leaved, stem arborefcnt. *tree-like.*
- amygdaloides.* 60. E. umbel many-cleft: two-fork'd, involucels leaf-pierced orbicular, leaves obtuse. *amygdalus-like.*
- sylvatica.* 62. E. umbel five-cleft: two-cleft, with involucels leaf-pierced somewhat hearted, leaves lanced most intire. *wood.*
- Characias.* 61. E. umbel many-cleft: two-cleft, with involucels leaf-pierced end-nick'd, leaves most intire, stem shrub-growing.

370. TWELVE MALES. THREE FEMALES. Visnea.

1393. VISNEA. *Cor.* 5-petal'd. *Cal.* 5-leaved, beneath. *Stigmas* three. *Nut* 2 or 3-cell'd, half-beneath. *S.*

*Mocanera.* VISNEA.

1394. TACCA. *Flower* above. *Cor.* 6-petal'd. vaulted. *Cal.* 6-leaved. *Berry* dry, angled, 3-cell'd. *S.*

*pinnatifida.* TACCA. *feather-cleft.*

1395. PALLASIA. *Cor.* 5-petal'd. *Cal.* 0. *Nut* quadrangular: angles membranous, two-cleft. *S.*

*Caspica.* PALLASIA. *Caspian.*

## F I V E F E M A L E S.

(*Pentagynia.*)

610. GLINUS. *Cal.* 5-leaved. *Cor.* none. *Nectararies* with two-cleft bristles. *Capf.* 5-angled, 5-cell'd, 5-valved, many-seeded.

*lotoides.* 1. *G.* stem hairy, leaves inverse-egg'd. *lotus-like.*  
*dictamnoides.* *G.* stem stiff, leaves orbicular downy. *dictamnus-like.*

TWELVE

T W E L V E F E M A L E S .

( *Dodecagynia.* )

612. SEMPERVIVUM. *Cal.* 12-parted. *Petals*  
 12. *Caps.* 12, many-seeded. *House-*  
*leek.*

- |                                  |   |                            |
|----------------------------------|---|----------------------------|
| <i>arborescens.</i>              | 1. S. stem arborefcnt polish'd branchy.                                 | <i>arborescent.</i>        |
| <i>canariensis.</i>              | 2. S. stem torn by the rubbish of the leaves, leaves retuse.            | <i>canaries.</i>           |
| <i>teclorum.</i>                 | 3. S. leaves fringed, offsets expanding.                                | <i>roof.</i>               |
| <i>globiferum.</i>               | 4. S. leaves fringed, offsets globular.                                 | <i>globe-bearing.</i>      |
| <i>arachnoide-</i><br><i>um.</i> | 7. S. leaves with hairs interwoven, offsets globular.                   | <i>cob-</i><br><i>web.</i> |
| <i>hirtum.</i>                   | 5. S. leaves stem and tops of the petals shaggy.                        | <i>shaggy.</i>             |
| <i>montanum.</i>                 | 6. S. leaves most intire, offsets expanded.                             | <i>mountain.</i>           |
| <i>sediforme.</i>                | S. leaves scatter'd, inferiour ones columnar; superiour ones deprest'd. | <i>sedum-form.</i>         |



C L A S S XII.

TWENTY MALES.

(*Icosandria.*)

O N E F E M A L E

(*Monogynia.*)

- 613 CACTUS. *Cal.* above, 1-leaved. *Cor.* many-cleft.  
*Berry* 1-cell'd, many-seeded.
- 616 EUGENIA. *Cal.* above, 4-parted. *Cor.* 4-petal'd. *Drupe*  
1-cell'd, 1-seeded.
- 614 PHILADELPHUS. *Cal.* above, 5 or 4-parted. *Cor.* 5 or 4-  
petal'd. *Capsf.* 5 or 4-cell'd, many-  
seeded,
- 615 PSIDIUM. *Cal.* above, 5-cleft. *Cor.* 5-petal'd. *Berry*  
1-cell'd, many-seeded,
- 617 MYRTUS. *Cal.* above, 5-cleft. *Cor.* mostly 5-petal'd.  
*Berry* 3-cell'd, 1-seeded.
- 618 PUNICA. *Cal.* above, 5-cleft. *Cor.* 5-petal'd. *Pome*  
10-cell'd, many-seeded.
- 619 AMYGDALUS. *Cal.* beneath, 5-cleft. *Cor.* 5-petal'd. *Drupe*  
with a perforated nucleus.

620 PRUNUS

- 620 PRUNUS. *Cal.* beneath, 5-cleft. *Cor.* 5-petal'd. *Drupe* with nucleus intire.
- 621 CHRYSOBALANUS. *Cal.* beneath, 5-cleft. *Cor.* 5-petal'd, *Drupe* with nucleus furrow'd.
- 671 PLINIA. *Cal.* beneath 4 or 5-parted. *Cor.* 4 or 5-petal'd. *Drupe* furrow'd.
- 1396 SONNERATIA. *Cal.* 6-cleft. *Petals* 5, awl'd. *Capsf.* many-cell'd. *S.*

T W O F E M A L E S.

(*Digynia.*)

- 622 CRATÆGUS. *Cal.* above, 5-cleft. *Cor.* 5-petal'd. *Berry* 2-seeded.

T H R E E F E M A L E S.

(*Trigynia.*)

- 623 SORBUS. *Cal.* above, 5-cleft. *Cor.* 5-petal'd. *Berry* 3-seeded.
- 424 SESUVIUM, *Cal.* beneath, 5-cleft. *Cor.* none. *Capsf.* 3-cell'd, circumcised.

F I V E F E M A L E S

(*Pentagynia.*)

- 627 TETRAGONIA, *Cal.* above, 5 or 4-cleft. *Cor.* 0. *Pericarp* with nucleus 5 or 4-cell'd.
- 625 MESPILUS. *Cal.* above, 5-cleft. *Cor.* 5-petal'd. *Berry* 5-seeded.
- 626 PYRUS. *Cal.* above, 5-cleft. *Cor.* 5-petal'd. *Pome* 5-cell'd many-seeded.

628 ME-

- 628 MESEMBRYAN-  
THEMUM. *Cal.* above, 5-cleft. *Cor.* many-cleft. *Capsf.*  
fleshy, cell'd, many-seeded.
- 629 AIZOON. *Cal.* beneath, 5-cleft. *Cor.* o. *Capsf.* 5-  
cell'd many-seeded.
- 630 SPIRÆA. *Cal.* beneath, 5-cleft. *Cor.* 5-petal'd. *Capsf.*  
numerous, collected.

## M A N Y F E M A L E S .

*(Polygynia.)*

- 631 ROSA. *Cal.* 5-cleft. *Cor.* 5-petal'd. *Cal.* berried,  
many-seeded.
- 632 RUBUS. *Cal.* 5-cleft. *Cor.* 5-petal'd. *Berry* com-  
pound.
- 635 TORMENTILLA. *Cal.* 8-cleft. *Cor.* 4-petal'd. *Seeds* 8, awnless.
- 637 DRYAS. *Cal.* 8-cleft. *Cor.* 8-petal'd. *Seeds* most  
numerous: awn woolly.
- 633 FRAGARIA. *Cal.* 10 cleft. *Cor.* 5-petal'd. *Seeds* most  
numerous upon the berried receptacle,  
deciduous.
- 634 POTENTILLA. *Cal.* 10-cleft. *Cor.* 5-petal'd. *Seeds* most  
numerous; awnless.
- 636 GEUM. *Cal.* 10-cleft. *Cor.* 5-petal'd. *Seeds* most  
numerous: awn knotted.
- 638 COMARUM. *Cal.* 10-cleft. *Cor.* 5-petal'd. *Seeds* most  
numerous upon a fleshy permanent re-  
ceptacle.
- 639 CALYCANTHUS. *Cal.* scaly corolline. *Cor.* o. *Seeds* tail'd in  
a succulent calyx.

\* *Spiræa Filipendula, Ulmaria.**Phytolacca twenty-male.*

ONE FEMALE.

(*Monogynia.*)

613. CACTUS. *Cal.* 1-leaved, above, imbricated.  
*Cor.* manyfold. *Berry* 1-cell'd, many-  
 feeded.

\* *Echinomelocactus roundish.*

*mammillaris.* 1. C. roundish cover'd with egg'd bearded tubercles. *ma-*  
*millary.*

*Melocactus.* 2. C. roundish fourteen-angled.

\*\* *Cereuses erect standing by themselves.*

*Pitajaya.* 24. C. erect triangular.

*heptagonus.* 3. C. erect oblong seven-angled. *seven-corner'd.*

*tetragonus.* 4. C. erect quadrangular long with compress'd angles. *four-corner'd.*

*hexagonus.* 5. C. erect six-angled long, angles distant. *six-corner'd.*

*pentagonus.* 6. C. erect mostly five-angled long jointed. *five-cor-*  
*ner'd.*

*repandus.* 7. C. erect long eight-angled : angles compress'd wav'd,  
 thorns longer than the wool. *scollop'd.*

*lanuginosus.* 8. C. erect long mostly nine-angled : angles obscure,  
 thorns shorter than the wool. *woolly.*

*peruvianus.* 9. C. erect long mostly eight-angled : angles obtuse.

*Royeni.* 10. C. erect jointed nine-angled : joints rather egg'd,  
 thorns equalling the wool. *peruvian-*  
*of Royen.*

\*\*\* *Cereuses creeping with lateral rootlets.*

*grandiflora.* 11. C. creeping mostly five-angled. *great-flower'd.*

*flagelliflor-* 12. C. creeping ten-angled. *whip-form.*  
*mis.*

*parasiticus.* 13. C. creeping columnar striated awnless. *parasitic.*

*triangula-* 14. C. creeping triangular. *triangular.*  
*ris.*

\*\*\*\* *Opun-*

376. TWENTY MALES. ONE FEMALE. Cactus.

\* \* \* \* Opuntias *compress'd with proliferous joints.*

- moniliformis.* 15. C. joint-proliferous, joints globular thorny glo-  
 rated. *necklace-form.*
- Opuntia.* 16. C. joint-proliferous loose, joints egg'd, thorns bristly.
- Ficus indi-* 17. C. joint-proliferous, joints egg-oblong, thorns bristly.  
*ca.* *indian Fig.*
- Tuna.* 18. C. joint-proliferous, joints egg-oblong: thorns  
 awl'd.
- cochenillifer.* 19. C. joint-proliferous, joints egg-oblong nearly un-  
 arm'd. *cocheneal-bearing.*
- curassavi-* 20. C. joint-proliferous, joints cylinder-bellied compress'd.  
*cus.* *curassao.*
- Phyllanthus.* 21. C. proliferous sword-form-compress'd, saw-scollop'd.
- Perefskia.* 22. C. stem arborescent columnar with prickles double  
 recurved, leaves lance-egg'd.
- portulacifo-* 23. C. stem columnar arborescent thorny, leaves wedge-  
*lius.* form retuse. *portulaca-leaved.*

614. PHILADELPHUS. *Cal.* 4 or 5-parted,  
 above. *Petals* 4 or 5. *Capsf.* 4 or 5-  
 cell'd, many-seeded. *Mock Orange.*

- coronarius.* 1. P. leaves rather tooth'd. *crown.*
- inodorus.* 2. P. leaves most intire. *inodorous.*

615. PSIDIUM. *Cal.* 5-cleft, above. *Petals* 5.  
*Berry* 1-cell'd, many-seeded.

- pyriferum.* 1. P. leaves lined obtusifish, peduncles one-flower'd. *pear-*  
*bearing.*
- pomiferum.* 2. P. leaves lined pointed, peduncles three-flower'd.  
*apple-bearing.*
- deca spermum.* P. leaves egg'd pointed flat, peduncles one-flower'd  
 bracted. *S.* *ten-seeded.*

616. EUGENIA. *Cal.* 4-parted, above. *Petals*  
 4. *Drupe* 1-seeded, 4-angled.

- malaccensis.* 1. E. leaves most intire, peduncles branchy lateral. *ma-*  
*lacca.*
- Jambos.* 2. E. leaves most intire, peduncles branchy terminal. *6. E.*



- pseudo-psidium*. 6. E. leaves most intire, peduncles one-flower'd very numerous lateral and terminal. *falso-psidium*.  
*uniflora*. 3. E. leaves most intire heart-lanced, peduncles one-flower'd lateral. *one-flower'd*.  
*cotinifolia*. E. leaves egg'd obtuse most intire, peduncles one-flower'd. *continus-leaved*.  
*acutangula*. 4. E. leaves notch'd, peduncles terminal, pomes oblong acute-angled. *acute-angled*.  
*racemosa*. 5. E. leaves notch'd, racemes most long, pomes egg'd quadrangular. *racemed*.

617. MYRTUS. *Cal.* 5-cleft, above. *Petals* 5.  
*Berry* 2 or 3-seeded. *Myrtle*.

- communis*. 1. M. flowers solitary : involucre two-leaved. *common*.  
*brasiliana*. 2. M. flowers solitary, peduncles naked, petals rather fring'd. *brazile*.  
*biflora*. 3. M. peduncles two-flower'd, leaves lanced. *two-flower'd*.  
*angustifolia*. 14. M. peduncles umbel'd, leaves linear-lanced subsessile. *narrow-leaved*.  
*lucida*. 4. M. peduncles mostly three-flower'd, leaves subsessile lanced attenuated. *lucid*.  
*cumini*. 5. M. peduncles many-flower'd, leaves lance-egg'd.  
*dioica*. 6. M. peduncles three-fork-panicled, leaves oblong, flowers two-houfe. *two-houfe*.  
*Chytraculia*. 7. M. peduncles two-fork'd panicled downy, leaves terminal rather egg'd double.  
*Zuzygium*. 8. M. peduncles many-flower'd, branches two-fork'd, leaves double rather egg'd terminal.  
*Zelanica*. 9. M. peduncles many-flower'd, leaves egg'd subpetiol'd. *Ceylon*.  
*androsæmoides*. 10. M. peduncles three-cleft-many-flower'd, leaves sub-oval sessile. *androsæmum-like*.  
*caryophyllata*. 11. M. peduncles three-cleft-many-flower'd, leaves intire-egg'd.  
*Pimenta*. 12. M. leaves alternate. *Allspice*.

378. TWENTY MALES. ONE FEMALE. Punica.

618. PUNICA. *Cal.* 5-cleft, above. *Petals* 5.  
*Pome* many-cell'd, many-seeded.  
*Pomegranate.*

*granatum.* 1. P. leaves lanced, stem arborescent. *granate.*  
*nana.* 2. P. leaves linear, stem shrubby. *dwarf.*

619. AMYGDALUS. *Cal.* 5-cleft, beneath. *Petals* 5. *Drupe* with nut perforated in the pores. *Almond.*

*Persica.* 1. A. leaves with all the sawings acute, flowers sessile  
solitary. *persian or Peach.*  
*communis.* 2. A. leaves with the lowest sawings glandular, flowers  
sessile double. *common.*  
*pumila.* 3. A. leaves vein-wrinkled. *low.*  
*nana.* 4. A. leaves attenuated at the base. *dwarf.*

620. PRUNUS. *Cal.* 5-cleft, beneath. *Petals* 5.  
Nut of the *Drupe* with sutures somewhat prominent. *Prune.*

*Padus.* 1. P. flowers racemed, leaves deciduous two-glanded  
underneath the base.  
*virginiana.* 2. P. flowers racemed, leaves deciduous glanded before  
at the base. *virginian.*  
*canadensis.* 3. P. flowers racemed, leaves deciduous glandless broad-  
lanced wrinkled pubescent on both sides. *can-  
nadian.*  
*lusitanica.* 4. P. flowers racemed, leaves ever-green glandless. *por-  
tugal laurel.*  
*lauro-lera-* 5. P. flowers racemed, leaves ever-green two-glanded on  
*fus.* the back. *laurel,*  
*Mahaleb.* 6. P. flowers corymbd terminal, leaves egg'd.  
*armeniaca.* 7. P. flowers sessile, leaves rather hearted. *apricot.*  
*sibirica.* 8. P. flowers sessile, leaves egg-oblong. *siberian.*  
*pumila.* 14. P. flowers subumbel'd, leaves narrow-lanced. *dwarf.*  
*cerafus.* 9. P. umbels subpeduncled, leaves egg-lanced smooth  
conduplicate. *cherry.*

10. P.

- avium.* 10. P. umbels sessile, leaves egg-lanced pubescent underneath conduplicate. *bird.*  
*domestica.* 11. P. peduncles subsolitary, leaves lance-egg'd convolute, branches awnless. *domestic.*  
*insititia.* 12. P. peduncles double, leaves egg'd subvillous convolute, branches thorn-growing. *insititious.*  
*spinosa.* 13. P. peduncles solitary, leaves lanced smooth, branches thorny. *thorny.*  
*pensylvanica.* P. umbels sessile, leaves egg-lanced, branchlets palely dotted. *S. pensylvanian.*

671. PLINIA. *Cal.* 5 or 4-parted. *Petals* 5 or 4.  
*Drupe* above, furrow'd.

- crocea.* 1. P. flowers five-petal'd. *safforn.*  
*rubra.* P. flowers four-petal'd. *red.*  
*pedunculata.* P. flowers peduncled many-male. *S. peduncled.*

621. CHRYSOBALANUS. *Cal.* 5-cleft. *Petals* 5. Nut of the *Drupe* 5-furrow'd, 5-valved. *Cocoa Plum.*

*Icaco.* 1. CHRYSOBALANUS.

1396. SONNERATIA. *Cal.* 6-cleft. *Petals* 6, awl'd. *Capsf* many-cell'd, succulent: *Cells* many-seeded. *S.*

*acida.* SONNERATIA. *acid.*

T W O F E M A L E S.

(*Digynia.*)

622. CRATÆGUS. *Cal.* 5-cleft. *Petals* 5. *Berry* beneath, 2-seeded. *Haw.*

- Aria.* 1. C. leaves egg'd gash'd saw'd downy underneath.  
*torminalis.* 2. C. leaves hearted seven-angled: the lowest lobes divaricated. *gripping.*  
*B b b 2* 3. C.

380. TWENTY MALES. TWO FEMALES. *Cratægus*.

- coccinea*. 3. C. leaves hearted scollop-angled saw'd smooth. *scarlet*.  
*viridis*. 6. C. leaves lance-egg'd nearly three-lobed saw'd smooth,  
 stem unarm'd. *green*.  
*Crus Galli*. 4. C. leaves lance-egg'd saw'd smooth, branches thorny.  
*Cock-spur*.  
*tomentosa*. 5. C. leaves wedge-form-egg'd saw'd subangled, villous  
 underneath, branches thorny. *downy*.  
*indica*. 7. C. leaves lanced saw'd, stem unarm'd, corymbes  
 scaly. *indian*.  
*oxyacantha*. 8. C. leaves obtuse nearly three-cleft saw'd. *sharp-thorn'd*.  
*Azarolus*. 9. C. leaves obtuse nearly three-cleft somewhat tooth'd.  
*Azarole*.  
*maura*. C. leaves oblong tooth'd at top. S. *moorish*.

T H R E E F E M A L E S.

( *Trigynia*. )

633. SORBUS. *Cal.* 5-cleft. *Petals* 5. *Berry* beneath,  
 3-seeded. *Service*.

- aucuparia*. 1. S. leaves feather'd smooth on both sides. *catch-bird*.  
*hybrida*. 2. S. leaves half-feather'd downy underneath. *mule*.  
*domestica*. 3. S. leaves feather'd villous underneath. *domestic*.

624. SESUVIUM. *Cal.* 5-parted, colour'd. *Petals*  
 none. *Capsf.* egg'd, three-cell'd, cir-  
 cumcised, many-seeded.

*Portula-castrum*. A. SESUVIUM.

F I V E

FIVE FEMALES.

(*Pentagynia.*)

625. MESPILUS. *Cal.* 5-cleft. *Petals* 5. *Berry* beneath, 5-seeded. *Medlar.*

- germanica.* 1. M. unarm'd, leaves lanced downy underneath, flowers solitary sessile. *german.*
- Pyracantha.* 2. M. thorny, leaves lance-egg'd notch'd, calyxes of the fruit obtuse.
- arbutifolia.* 3. M. unarm'd, leaves lanced notch'd downy underneath. *arbutus-leaved.*
- Amelanchier.* 4. M. unarm'd, leaves oval saw'd shaggy underneath.
- Chamæ Mef-pilus.* 6. M. unarm'd, leaves oval acutely saw'd smooth, flowers corymbe-headed.
- canadensis.* 5. M. unarm'd, leaves egg-oblong smooth saw'd acutish. *canadian.*
- Cotoneaster.* 7. M. unarm'd, leaves egg'd most intire : downy underneath.
- Xanthocarpus.* M. thorny, leaves somewhat wedge-form notch'd, flowers solitary, divisions of the calyx somewhat leafy gash-saw'd long reflected, fruit somewhat top-shape dot-warted. *S. Yellow-fruit.*
- Phænopyrum.* M. thorny, leaves hearted three five or seven-cleft saw'd smooth, flowers corymbed, segments of the calyx deciduous, fruit globe-depress'd broad-navel'd, nuts naked at top. *S. Scarlet-pear.*

626. PYRUS. *Cal.* 5-cleft. *Petals* 5. *Pome* beneath, 5-cell'd, many-seeded. *Pear.*

- communis.* 1. P. leaves saw'd polish'd, flowers corymbed. *common.*
- Pollueria.* P. leaves saw'd downy underneath, flowers corymbed.
- Malus.* 2. P. leaves saw'd, umbels sessile. *Apple.*
- baccata.* 5. P. leaves saw'd, peduncles crowded, pomes berried. *berried.*
- coronaria.* 3. P. leaves saw-angled, umbels peduncled. *crown.*
4. P.

382. TWENTY MALES. FIVE FEMALES. *Pyrus*.

- Cydonia*. 4. P. leaves most intire, flowers solitary. *Quince.*  
*nivalis*. P. leaves most intire, flowers corymbed. *S. Snowy.*  
*salicifolia*. P. leaves linear-lanced hoary white-downy under-  
 neath, flowers axillary solitary subsessile. *S.*  
*willow-leaved.*
- Botryapium*. P. unarm'd, leaves egg-oblong saw'd acute, racemes  
 simple elongate. *S.*
- Amelanchier*. P. unarm'd, leaves oval obtuse saw'd downy under-  
 neath becoming bald, stipules awl'd lateral de-  
 ciduous, raceme simple few-flower'd, petals  
 sublinear. *S.*
- Arbutifolia*. P. unarm'd, leaves egg-lanced most finely saw'd:  
 rachis above gland-bearing, corymbe compound.  
*S. Arbutus-leaved.*

627. TETRAGONIA. *Cal.* 4 or 5-parted. *Petals*  
 0. *Drupe* beneath, 5 or 4-corner'd,  
 5 or 4-cell'd.

- fruticosa*. 1. T. leaves linear. *shrubby.*  
*herbacea*. 2. T. leaves egg'd. *herbaceous.*  
*Ivæfolia*. T. erect smooth, leaves petioled egg-lanced saw'd,  
 petals deciduous. *S. Iva-leaved.*
- hirsuta*. T. herbaceous shaggy procumbent, leaves egg'd vil-  
 lous, flowers axillary threefold sessile. *S. shaggy.*
- spicata*. T. smooth herbaceous erect, inferiour leaves egg'd,  
 highest ones lanced smooth, flowers racemed.  
*S. Spiked.*

628. MESEMBRYANTHEMUM. *Cal.* 5-cleft.  
*Petals* numerous, linear. *Caps.* fleshy  
 beneath, many-seeded.

\* *With white corols.*

- nodiflorum*. 1. M. leaves alternate columnarish obtuse fringed at the  
 base. *knot-flowering.*
- crystallinum*. 2. M. leaves alternate egg'd pimply waved. *crystalline.*
- copticum*. 3. M. leaves half-columnar pimply distinct, flowers sessile  
 axillary, calyxes five-cleft. *coptic.*
- geniculiflorum*. 4. M. leaves half-columnar pimply distinct, flowers sessile  
 axillary, calyxes four-cleft. *joint-flowering.*

5. M.

ICOSANDRIA. PENTAGYNIA. Mesembryanth. 383.

- noctiflorum*. 5. M. leaves semicylindric bedotted distinct, flowers peduncled, calyxes four-cleft. *night-flowering*.
- splendens*. 6 M. leaves nearly columnar bedotted recurved distinct collected, calyxes finger-form terminal. *splendid*.
- umbellatum*. 7. M. leaves awl'd dot-rugged conjoin'd with top expanded, stem erect, corymbe three-fork'd. *umbel'd*.
- expansum*. 37. M. leaves flattish lanced bedotted expanding distinct opposite and alternate remote. *expanded*.
- Tripolinum*. 9. M. leaves alternate lanced flat bedotted, stem flexible simple, calyxes five-corner'd. *Tripoly*.
- calamiforme*. 8. M. stemless, leaves nearly columnar ascending bedotted conjoin'd, flowers eight-female. *quill-form*.
- apetalum*. M. leaves linear-sublanced murex'd underneath, stems prostrate. *S. petalless*.
- crystallinum*. M. leaves alternate egg'd pimply, flowers sessile, calyxes broadly egg'd acute retuse. *S. crystalline*.
- criniflorum*. M. leaves egg'd, scapes one-flower'd. *S. hair-flower'd*.
- cordifolium*. M. leaves hearted obtuse, stems prostrate. *S. heart-leaved*.

\* \* *With red corols*

- bellidifolium*. 10. M. stemless, leaves three-sided linear bedotted tooth'd three ways at top. *daisy-leaved*.
- deltoides*. 11. M. leaves three-sided delta-like tooth'd bedotted distinct. *delta-like*.
- barbatum*. 12. M. leaves somewhat egg'd pimply distinct, bearded at top. *bearded*.
- hispidum*. 13. M. leaves cylindric pimply distinct: stem hispid. *hispid*.
- villosum*. 14. M. leaves pubescent conjoin'd bedotted, stem hairy. *villous*.
- scabrum*. 15. M. leaves awl'd distinct: dot-murex'd every where underneath, calyxes awnless. *rugged*.
- emarginatum*. 16. M. leaves awld collected ruggedish, calyxes thorny, petals end-nick'd. *end-nick'd*.
- uncinatum*. 17. M. stem-joints terminated by leaves conjoin'd pointed dotted toothed underneath. *hook'd*.
- spinosum*. 18. M. leaves column-three-sided dotted distinct, thorns branchy. *thorny*.
- tuberosum*. 19. M. leaves awl'd pimply distinct expanded at top, roots headed. *tuberous*.

20. M.

384. TWENTY MALES. FIVE FEMALES. Mesembryan.

- tenuifolium*. 20. M. leaves nearly thread-form smooth distinct longer than the joint, stems procumbent. *slender-leaved*.
- stipulaceum*. 21. M. leaves somewhat three-sided compressed incurved dotted distinct collected : margined at the base. *stipule*.
- crassifolium*. 22. M. leaves semicylindric bedotted conjoin'd three-sided at top, stem creeping semicylindric. *thick-leaved*.
- glomeratum*. 24. M. leaves columnarish compressed dotted distinct, stem paniced many-flower'd. *glomerated*.
- loreum*. 25. M. leaves semicylindric recurved collected gibbous at the interior base conjoin'd, stem pendulous. *thong*.
- filamentosum*. 26. M. leaves equilateral-three-sided acute somewhat dotted conjoin'd : angles rugged, branches fix-corner'd. *thready*.
- falcatum*. 27. M. leaves scymitar-form bedotted conjoin'd : rugged on the keel-angle, petals lanced. *sickled*.
- forficatum*. 21. M. leaves scymitar-form obtuse bedotted conjoin'd ; thorny at top, stem two-edged. *scissar*.

\* \* \* *With yellow corols.*

- edule*. 29. M. leaves equilateral-three-sided acute upright bedotted conjoin'd ; somewhat saw'd on the keel, stem two-edged. *eatable*.
- bicolorum*. 30. M. leaves awl'd dotted polish'd distinct, stem shrubby, corols two-colour'd. *two-colour'd*.
- ferratum*. 31. M. leaves awl'd three-sided dotted distinct : saw'd backwards on the keel-angle. *saw'd*.
- micans*. 32. M. leaves subcylindric pimply distinct, stem rugged. *glittering*.
- glaucum*. 35. M. leaves three-sided acute dotted distinct, calyx-leaflets egg-hearted. *sea-green*.
- corniculatum*. 36. M. leaves three-side-semicylindric dot-rugged : conjoin'd above the base with an elevated line. *horn'd*.
- tortuosum*. 38. M. leaves flattish oblong egg'd somewhat pimply crowded conjoin'd, calyxes three-leaved two-horn'd. *twisted*.
- pomeridianum*. 39. M. leaves flattish broad-lanced polish'd, rather fringed distinct, stem with peduncles and germs shaggy. *afternoon*.
- veruculatum*. 34. M. leaves three-side-cylindric acute conjoin'd bow'd bedotted distinct. *wart*.



ICOSANDRIA. PENTAGYNIA. Mesembryanth. 385.

- rostratum.* 33. M. stemless, leaves semicylindric externally tubercled  
conjoin'd. *beak'd.*
- ringens.* 40. M. stemless, leaves fringe-tooth'd dotted. *grinning.*
- dolabriforme.* 41. M. stemless, leaves ax-form dotted. *ax-form.*
- difforme.* 42. M. stemless leaves different dotted conjoin'd. *different.*
- albidum.* 43. M. stemless, leaves three-sided most intire. *white.*
- linguiforme.* 44. M. stemless, leaves tongue-forme thicker on one  
margin bedotted. *tongue-form.*
- pugioniforme.* 45. M. leaves alternate crowded awl'd three-sided most  
long bedotted. *poniard-form.*
- papulosum.* M. leaves opposite spatule-oblong pimply, flowers  
peduncled, calyxes linear. S. *pimply.*
- pinnatifidum.* M. leaves feather-cleft. S. *feather-cleft.*
- capillare.* M. leaves conjoin'd columnar pimply, stem erect,  
branchlets one-flower'd thread-form smooth. S. *capillary.*

629. AIZOON. *Cal.* 5-parted. *Petals* 0. *Capsf.*  
above, 5-cell'd, 5-valved.

- canariense.* 1. A. leaves wedge-form-egg'd, flowers sessile. *canary.*
- hispanicum.* 2. A. leaves lanced, flowers sessile. *spanish.*
- lanceolatum.* 3. A. leaves lanced, flowers panicled. *lanced.*
- paniculatum.* A. shaggy, leaves lanced, flowers sessile, branches  
erect. S. *panicled.*
- perfoliatum.* A. downy, leaves inverse-egg'd conjoin'd crystalline-  
dotted, flowers peduncled. S. *leaf-pierced.*
- sarmentosum.* A. leaves linear thread-form, panicle two-fork'd,  
flowers solitary peduncled. S. *sarment.*
- Glinoides.* A. shaggy herbaceous procumbent, leaves egg'd,  
flowers sessile distinct. S. *Glinus-like.*
- secundum.* A. shag-hoary herbaceous procumbent, leaves egg'd,  
flowers sessile imbricated one-rank'd. S. *one-  
rank'd.*
- fruticosum.* A. shrubby erect smooth, leaves lanced, flowers sessile.  
S. *shrubby.*
- rigidum.* A. shrubby procumbent downy, leaves egg'd, flowers  
sessile remote. S. *rigid.*

386. TWENTY MALES. FIVE FEMALES. Spiræa.

630. SPIRÆA. *Cal.* 5-cleft. *Petals* 5. *Capsf.*  
many-seeded.

\* *Shrubby.*

- lævigata.* S. leaves lanced most intire sessile, racemes compound. *polish'd.*
- salicifolia.* 1. S. leaves lanced obtuse saw'd naked, flowers double-racemed. *willow-leaved.*
- tomentosa.* 2. S. leaves lanced unequally saw'd downy underneath, flowers double racemed. *downy.*
- hypericifolia.* 3. S. leaves inverfe-egg'd most intire, umbels sessile. *hypericum-leaved.*
- chamædri-  
folia.* 4. S. leaves egg'd gash-saw'd smooth, umbels peduncled. *germander-leaved.*
- crenata.* 5. S. leaves oblongish saw'd at top, corymbes lateral. *notch'd.*
- triloba.* S. leaves lobed notch'd, umbels terminal. *three-lobed.*
- opulifolia.* 6. S. leaves lobed saw'd corymbed terminal. *opulus-leaved.*
- sorbifolia.* 7. S. leaves feather'd: leaflets uniform saw'd, stem shrubby, flowers panicled. *sorbus-leaved.*
- argentea.* S. shrubby, racemes compound, leaves silky wedge-form lined saw'd at top somewhat plaited. S. *silver.*
- japonica.* S. shrubby, stem pubescent, leaves lanced acute saw'd naked, corymbe terminal compound. S. *japan.*
- \* \* *Herbaceous.*
- Aruncus.* 8. S. leaves superdecompound. spikes panicled, flowers two-houfe.
- Filipendula.* 9. S. leaves feather'd: leaflets uniform saw'd, stem herbaceous, flowers corymbed. *Dropwort.*
- Ulmaria.* 10. S. leaves feather'd: the odd one larger lobed, flowers cymed. *Meadow-Sweet.*
- palmata.* S. leaves feather-three'd: the odd leaflet five-lobed. *handed.*
- trifoliata.* 11. S. leaves three'd saw'd subequal, flowers subpanicled. *three-leaved.*
- palmata.* S. leaves feather'd: the odd and lateral ones lobed twice saw'd, flowers cymed. S. *hand.*
- Ulmaria.* S. leaves interruptedly feather'd: leaflets egg'd twice-saw'd hoary underneath, flowers cymed. S. *Meadow-sweet.*
- Filipendula.* S. leaves interruptedly feather'd: leaflets linear-lanced interruptedly saw'd most smooth, flowers cymed. S. *Dropwort.*

M A N Y

M A N Y F E M A L E S.

( *Polygynia.* )

631. ROSA. *Petals* 5. *Cal.* pitcher'd, 5-cleft, fleshy contracted in the neck. *Seeds* most numerous, hispid, affix'd to the interior side of the calyx. *Rose.*

\* *With germs subglobular.*

- Eglanteria.* 3. R. germs globular and peduncles smooth, stem with prickles scatter'd straight, petioles rugged, leaflets acute. *Sweet Briar.*
- rubiginosa.* R. germs globular and prickly with prickles recurved, leaves rusty underneath. *rubiginous.*
- cinnamomia.* 4. R. germs globular and peduncles smooth, stem with stipule-prickles, petioles nearly unarm'd. *cinnamon.*
- arvensis.* R. germ globular and peduncles smooth, stem and petioles prickly, flowers corymbed. *field.*
- pimpinelli-folia.* 2. R. germs globular and peduncles smooth, stem with prickles scatter'd straight, petioles rugged, leaflets obtuse. *pimpinella-leaved.*
- spinosissima.* 14. R. germs globular smooth, peduncles hispid, stem and petioles most prickly. *most-thorny.*
- carolina.* 5. R. germs globular hispid, peduncles subhispid, stem with stipule-prickles, petioles prickly. *carolina.*
- villosa.* 6. R. germs globular and peduncles hispid, stem with prickles scatter'd, petioles prickly, leaves downy. *villous.*
- Sinica.* R. germs subglobular smooth, peduncles prickly hispid, stem and petioles prickly, calyx-leaflets lanced subpetioled.
- sempervirens.* 9. R. germs globular and peduncles hispid, stem and petioles prickly, flowers subumbel'd. *ever-green.*

388. TWENTY MALES. MANY FEMALES. Rosa.

\* \* Germs egg'd.

- centifolia.* 7. R. germs egg'd and peduncles hispid, stem hispid prickly, petioles unarm'd. *hundred-leaved.*
- gallica.* 8. R. germs egg'd and peduncles hispid, stem and petioles hispid-prickly. *french.*
- alpina.* 1. R. germs egg'd smooth, peduncles and petioles hispid, stem unarm'd. *alpine.*
- canina.* 10. R. germs egg'd and peduncles smooth, stem and petioles prickly. *dog.*
- indica.* 11. R. germs egg'd and peduncles smooth, stem nearly unarm'd, petioles prickly. *indian.*
- pendulina.* 12. R. germs egg'd smooth, peduncles and stem hispid, petioles unarm'd, fruit pendulous. *pendulous.*
- alba.* 13. R. germs egg'd smooth, peduncles hispid, stem and petioles prickly. *white.*
- pumila.* R. germs egg'd, petioles and peduncles hispid, stem most prickly above. *S. dwarf.*

632. RUBUS. *Cal.* 5-cleft. *Petals* 5. *Berry* compound with grains one-seeded. *Bramble.*

\* *Shrubby.*

- idaeus.* 1. R. leaves five-feather'd and three'd, stem prickly, petiole channel'd. *(of ida) raspberry.*
- occidentalis.* 2. R. leaves threefold downy underneath, stem prickly, petioles columnar. *occidental.*
- hispidus.* 2. R. leaves three'd naked, stems and petioles most hispid with lance-prickles rigidish. *hispid.*
- parvifolius.* 7. R. leaves three'd downy underneath, stem shaggy and petioles with prickles recurved. *small-leaved.*
- jamaicensis.* 14. R. leaves three'd downy underneath, stem petioles and leaves pubescent recurve-prickled. *jamaica.*
- cæsius.* 4. R. leaves three'd nakedish: lateral ones two-lobed, stem prickly columnar. *grey, dewberry,*
- fruticosus.* 5. R. leaves five-finger'd and three'd, stem and petioles prickly. *shrubby, blackberry.*
- canadensis.* 6. R. leaves finger'd tenfold fivefold and three'd, stem unarm'd. *canada.*
- odoratus.* 9. R. leaves simple handed, stem unarm'd many-leaved many-flower'd. *odorous.*

8. R.

- moluccanus*. 8. R. leaves simple hearted sublobed, stem prickly decumbent. *molucca*.
- japonica*. R. leaves simple hearted oblong saw'd, stem unarm'd shrubbyish. *japan*.
- microphyllus*. R. shrubby prickly smooth, leaves simple hearted egg'd obtuse sublobed, peduncles solitary one-flower'd. *small-leaved*.
- corchorifolius*. R. shrubby prickly downy, leaves simple oblong hearted saw'd, peduncles solitary one-flower'd. *corchorus-leaved*.
- Japonicus*. R. shrubby unarm'd most smooth, leaves simple hearted oblong pointed double-saw'd, peduncles solitary one-flower'd. *S. Japan*.

\* \* *Herbaceous*.

- Saxatilis*. 10. R. leaves three'd naked, with creeping herbaceous wires. *Rock*.
- arcticus*. 11. R. leaves three'd, stem unarm'd one-flower'd. *arctic*.
- Chamæomorus*. 12. R. leaves simple lobed, stem unarm'd one-flower'd.
- Dalibarda*. 13. R. leaves simple hearted undivided notch'd, scape leafless one-flower'd.

633. FRAGARIA. *Cal.* 10-cleft. *Petals* 5, *Receptacle* of the Seeds egg'd berried, deciduous. *Strawberry*.

- vesca*. 1. F. wires creeping. *eatable*.
- monophylla*. 2. F. leaves simple. *one-leaved*.
- sterilis*. 3. F. stem decumbent, branches flower-bearing flexible. *barren*.

634. POTENTILLA. *Cal.* 10-cleft. *Petals* 5. *Seeds* roundish, naked, affix'd to a small juiceless receptacle. *Cinquefoil*.

\* *With leaves feather'd*.

- fruticosa*. 1. P. leaves feather'd, stem shrubby. *shrubby*.
- Anserina*. 2. P. leaves feather'd saw'd, stem creeping, peduncles one-flower'd. *Goose*.
3. P.

390. TWENTY MALES. MANY FEMALES. *Potentilla*.

- sericea*. 3. P. leaves twice-feather'd downy on both sides: the segments parallel approximated, stems decumbent. *silky.*
- multifida*. 4. P. leaves twice-feather'd: segments most intire distant downy underneath, stem decumbent. *many-cleft.*
- fragarioides*. 5. P. leaves feather'd and three'd: the outmost ones greater, wires creeping. *strawberry-like.*
- rupestris*. 6. P. leaves feather'd alternate: leaflets fivefold egg'd notch'd, stem erect. *rock.*
- bifurca*. 7. P. leaves feather'd subequal: leaflets oblong nearly two-cleft: the outmost ones confluent. *two-fork'd.*
- pimpinelloides*. 8. P. leaves feather'd: leaflets roundish tooth'd equal, stem erect. *pimpinella-like.*
- pennsylvanica*. 28. P. the inferiour leaves feather'd, superiour ones three'd: leaflets gash-saw'd, stem erect pubescent. *pennsylvanian.*
- supina*. 9. P. leaves feather'd, stem two-fork'd decumbent. *supine.*
- \* \* *With leaves finger'd.*
- recta*. 10. P. leaves seven'd lanced saw'd somewhat hairy on both sides, stem erect. *straight.*
- argentea*. 11. P. leaves fived wedge-form gash'd downy underneath, stem erect. *silver.*
- intermedia*. 29. P. radical leaves fived, stem-leaves three'd, stem erectish most branchy. *intermediate.*
- hirta*. 12. P. leaves seven'd and fived wedge-form gash'd hairy, stem erect shaggy. *shaggy.*
- stipularis*. 13. P. leaves seven sessile sitting on the dilated stipule. *stipule.*
- opaca*. 16. P. radical leaves fived wedge-form saw'd, stem-leaves subopposite, branches thread-form decumbent. *opaque.*
- verna*. 15. P. radical leaves fived acutely saw'd refuse, stem-leaves three'd, stem declined. *vernal.*
- aurea*. 14. P. radical leaves fived saw'd pointed, stem-leaves three'd, stem declined. *golden.*
- canadensis*. 17. P. leaves fived villous, stem ascending shaggy. *canada.*
- alba*. 18. P. leaves fived converge-saw'd at top, stems thread-form procumbent, receptacles shaggy. *white.*
- caulescens*. 11. P. leaves fived converge-saw'd at top, stems many-flower'd decumbent, receptacles shaggy. *stem-growing.*

- nitida*. 21. P. leaves mostly three'd downy converge-three-tooth'd, stems one-flower'd, receptacle woolly.  
*glossy.*
- valderia*. 20. P. leaves seven'd inverfe-egg'd saw'd downy, stem erect, petals shorter than the calyx, receptacles woolly.  
*valderian.*
- reptans*. 22. P. leaves fived, stem creeping, peduncles one-flower'd.  
*creeping.*

\*\* *With leaves three'd.*

- monspeliensis*. 23. P. leaves three'd, stem branchy erect, peduncles growing out above the knots.  
*montpelien.*
- norvegica*. 24. P. leaves three'd, stem two-fork'd, peduncles axillary.  
*Norway.*
- nivea*. 25. P. leaves three'd gash'd downy underneath, stem ascending.  
*snowy.*
- grandiflora*. 26. P. leaves three'd tooth'd fomewhat hairy on both sides, stem decumbent longer than the leaves.  
*great-flower'd.*
- subacaulis*. 27. P. leaves three'd tooth'd downy on both sides, scape decumbent.  
*nearly-stemless.*

635. **TORMENTILLA.** *Cal.* 8-cleft. *Petals* 4. *Seeds* roundish, naked, affix'd to a small juiceless recptacle. *Septfoil.*

- erecta*. 1. T. stem erectish, leaves sessile.  
*erect.*
- reptans*. 2. T. stem creeping, leaves petioled.  
*creeping.*

636. **GEUM.** *Cal.* 10-cleft. *Petals* 5. *Seeds* with a knotted awn. *Avens*

- virginianum*. 1. G. flowers nodding, petals less than the calyx, fruit globular: awns hook'd naked, leaves three'd.  
*virginian.*
- urbanum*. 2. G. flowers erect, fruit globular villous: awns hook'd naked, leaves lyred.  
*city.*
- rivale*. 5. G. flowers nodding, fruit oblong: awns feathery twisted.  
*river.*
- montanum*. 4. G. flower inclined solitary, fruit oblong with awns villous straight.  
*mountain.*
- reptans*. 5. G. leaves uniform gash'd: alternate ones less, wires creeping.  
*creeping.*

637. **DRYAS.**

392. TWENTY MALES. MANY FEMALES. Dryas.

637. DRYAS. *Cal.* 8-cleft. *Petals* 8. *Seeds* tail'd, hairy.

*pentapetala.* 1. D. five-petal'd, leaves feather'd.

*five-petal'd.*

*octopetala.* 2. D. eight petal'd, leaves simple.

*eight-petal'd.*

638. COMARUM. *Cal.* 10-cleft. *Petals* 5, less than the calyx. *Receptacle* of the Seeds egg'd, spongy, permanent.

*palustre.* 1. COMARUM.

*marsh.*

639. CALYCANTHUS. *Cal.* 1-leaved, pitcher'd, ragged with colour'd leaflets. *Cor.* calycine. *Styles* most numerous with a glandular stigma. *Seeds* most numerous, tail'd, within the succulent calyx.

*floridus.* 1. C. interior petals longer.

*flowering.*

*precox.* 2. C. interior petals minute.

*early.*

CLASS





- 656 MAMMEA. *Cal.* 2-leaved. *Berry* 1-cell'd. *Seeds* cal-  
lous.
- 648 PAPAVER. *Cal.* 2-leaved. *Capsf.* 1-cell'd, crown'd.
- 647 CHELIDONIUM. *Cal.* 2-leaved. *Silique.*
- 643 CAPPARIS. *Cal.* 4-leaved. *Berry* pedicel'd barky.
- 644 ACTEA. *Cal.* 4-leaved. *Berry* 1-cell'd. *Seeds* in a  
double order.
- 650 CAMBOGIA. *Cal.* 4-leaved. *Berry* 8-seeded, 8-angled.
- 658 CALOPHYLLUM. *Cal.* 4-leaved. *Drupe* globular. *Nucleus*  
subglobular.
- 659 GRIAS. *Cal.* 4-cleft. *Drupe* 1-seeded. *Nucleus*  
8-furrow'd.
- 669 CARYOPHYLLUS. *Cal.* above. *Berry* 1-seeded, crown'd.
- 1400 SPARMANNIA. *Cal.* 4-leaved. *Cor.* 4-petal'd, reflected. *S.*
- 1401 VALLEA. *Cal.* 4 or 5-leaved. *Petals* 4 or 5, 3-cleft. *S.*
- \* *Five-petal'd.*
- 1286 LOOSA. *Capsf.* half-beneath, 1-cell'd, half-three-  
valved, many-seeded.
- 670 MENTZELIA. *Capsf.* beneath, 1-cell'd, 3-valved, many-  
seeded.
- 666 VATERIA. *Capsf.* 1-cell'd, 3-valved, 1-seeded.
- 655 SLOANEA. *Capsf.* hedgehog'd, berried within. *Exteriour*  
*Stamens* barren, leafy.
- 673 CISTUS. *Capsf.* roundish. *Cal.* 5-leaved 2 leaflets less.
- 675 CORCHORUS. *Capsf.* nearly 5-cell'd. *Cal.* 5-leaved, the  
length of the corol, deciduous.
- 652 SARRACENIA. *Capsf.* 5-cell'd. *Stigma* shield-like. *Cal.* the  
exteriour 3-leaved, the superiour 5-  
leaved.
- 660 TILIA. *Capsf.* 5-cell'd, leathery, 1-seeded. *Cal.* de-  
ciduous.
- 657 OCHNA. *Berries* 5 in a fleshy receptacle. *Petals* with  
elongated claws.
- 651 MUNTINGIA. *Berry* 5-cell'd, navel'd. *Cal.* 5-parted.
- 663 ELÆOCARPUS. *Drupe* with nucleus curl'd. *Petals* torn.
- 1399 MYRISTICA. *Berry* fleshy, one-seeded. *S.*

\* *Delphinium Consolidæ, Ajacis, Aconites.*

\* *Six-petal'd.*

- 649 ARGEMONE. *Cal.* 3-leaved. *Capsf.* 1-cell'd, half-valved.
- 667 LAGERSTROEMIA. *Cal.* 6-cleft. The 6 exteriour *Stamens*  
greater. *Cor.* curl'd.

668 THEA.

- 668 THEA. *Cal.* 5 or 6-leaved. *Petals* 6 or 9. *Capsf.* 3-cell'd. *Seeds* solitary.
- 664 LECYTHIS. *Cal.* 6 leaved. *Stamens* conjoin'd to the tongued nectary. *Capsf.* circumcised.  
\* *Eight-petal'd.*
- 645 SANGUINARIA. *Cal.* 2-leaved. *Capsf.* 2-valved, many-seeded.  
\* *Nine-petal'd.*
- 646 PODOPHYLLUM. *Cal.* 3-leaved. *Berry* 1-cell'd, crown'd.  
\* *Thea.*  
\* *Ten-petal'd.*
- 654 BIXA. *Cal.* 5-tooth'd. *Cor.* 5-petal'd, double. *Capsf.* 2-valved.  
\* *Many-petal'd.*
- 653 NYMPHÆA. *Berry* many-cell'd, barky. *Cal.* large.  
\* *Petalless.*
- 1239 TREWIA. *Cal.* 3-leaved. *Pericarp* 3-grain'd.
- 674 PROCKIA. *Cal.* 3-leaved. *Pericarp* 5-cell'd.
- 661 LAETIA. *Cal.* 5-leaved. *Pericarp* 1-cell'd, 3-valved, many-seeded.
- 676 SEGUIERIA. *Cal.* 5-leaved. *Pericarp* 1-seeded, wing'd.
- 672 DELIMA. *Cal.* 5-leaved. *Pericarp* 2-valved, 2-seeded.

T W O F E M A L E S.

(*Digynia.*)

- 680 CALLIGONUM. *Cal.* 5-leaved. *Cor.* none. *Pericarp* hedgehog-hook'd.
- FOTHERGILLA. *Cal.* most intire. *Cor.* none. *Capsf.* 2-cell'd. *Seeds* twofold.
- 679 CURATELLA. *Cal.* 5-leaved. *Cor.* 4-petal'd. *Capsf.* 2-parted, 2-seeded.  
D d d 2
- 678 PÆONIA.

396. M A N Y M A L E S.

- 678 PÆONIA. *Cal.* 5-leaved. *Cor.* 5-petal'd. *Capsf.* many-seeded. *Seeds* colour'd.

T H R E E F E M A L E S.

( *Trigynia.* )

- 681 DELPHINIUM. *Cal.* none. *Cor.* 5-petal'd: the highest horn'd. *Nectary* 2-cleft, sessile.  
 682 ACONITUM. *Cal.* none. *Cor.* 5-petal'd: the highest helmetted. *Nectaries* 2, pedicel'd.

\* *Reseda Luteola.* *Corchorus.*

F O U R F E M A L E S.

( *Tetragynia.* )

- 1282 CIMICIFUGA. *Cal.* 4-leaved. *Cor.* with *Nectaries* 4, pitcher'd. *Capsf.* 4. *Seeds* scaly.  
 683 TETRACERA. *Cal.* 6-leaved. *Capsf.* 4, one-seeded.  
 1314 CARYOCAR. *Cal.* 5-parted. *Cor.* 5-petal'd. *Drupe* with 4 nucleuses.

F I V E F E M A L E S

( *Pentagynia.* )

- 684 AQUILEGIA. *Cal.* none. *Cor.* 5-petal'd. *Nectaries* 5, horn'd below.  
 685 NIGELLA. *Cal.* none. *Cor.* 5-petal'd. *Nectaries* 8, 2-lip'd above.  
 686 REAUMURIA. *Cal.* 5-leaved. *Cor.* 5-petal'd: with *nectaries* 10, adhering, fringed. *Capsf.* 5-cell'd, many-seeded.

1402 BRA-

1402 BRATHYS. *Cal.* 5-leaved. *Petals* 5. *Nectary* none.  
*Capsf.* 1-cell'd, many-seeded. S.

\* *Aconitum Anthora*, variegated.

S I X F E M A L E S.

(*Hexagynia.*)

687 STRATIOTES. *Cal.* 3-parted. *Cor.* 3-petal'd. *Berry* 6-cell'd within the spathe.

M A N Y F E M A L E S.

(*Polygynia.*)

- 704 HYDRASTIS. *Cal.* none. *Cor.* 3-petal'd. *Berry* compound with stones 1-seeded.
- 695 ATRAGENE. *Cal.* none. *Cor.* 4-petal'd greater: inwardly many-petal'd. *Seeds* most numerous, awn'd.
- 696 CLEMATIS. *Cal.* none. *Cor.* 4-petal'd. *Seeds* most numerous awn'd.
- 697 THALICTRUM. *Cal.* none. *Cor.* 4 or 5-petal'd. *Seeds* most numerous, nearly awnless, naked.
- 701 ISOPYRUM. *Cal.* none. *Cor.* 5-petal'd, deciduous. *Nectaries* 5. *Capsf.* many-seeded.
- 702 HELLEBORUS. *Cal.* none. *Cor.* 5-petal'd, permanent. *Nectaries* very numerous. *Capsf.* many-seeded.
- 703 CALTHA. *Cal.* none. *Cor.* 5-petal'd. *Capsf.* most numerous. *Nectaries* none.
- 694 ANEMONE. *Cal.* none. *Cor.* 6-petal'd. *Seeds* most numerous.
- 691 MICHELIA. *Cal.* lop'd. *Cor.* 8-petal'd. *Berries* 4-seeded, glomerate.
- 700 TROLLIUS. *Cal.* none. *Cor.* 14-petal'd. *Nectaries* linear. *Capsules* many-seeded.

692 UVARIA.

- 692 UVARIA. Cal. 3-leaved. Cor. 6-petal'd. Berries many-seeded, affix'd to a long receptacle.
- 693 ANNONA. Cal. 3-leaved. Cor. 6-petal'd. Berry many-seeded with an imbricated bark.
- 698 LIRIODENDRON. Cal. 3-leaved. Cor. 6-petal'd. Seeds most numerous, lanced, imbricated.
- 690 MAGNOLIA. Cal. 3-leaved. Cor. 9-petal'd. Capsules glomerate, 2-valved. Seeds pendulous.
- 1404 UNONA. Cal. 3-leaved. Cor. 6-petal'd. Berries very numerous, pedicel'd, 2-seeded. S.
- 688 DILLENIA. Cal. 5-leaved. Cor. 5-petal'd. Capsules very numerous conjoin'd: with a fleshy receptacle.
- 699 RANUNCULUS. Cal. 5-leaved. Cor. 5-petal'd. Seeds most numerous. Petals with a nectar-bearing claw.
- 611 ILLICIUM. Cal. 6-leaved. Petals 27. Capsules 1-seeded in an orb.
- 698 ADONIS. Cal. 5-leaved. Cor. 5 or 10-petal'd. Seeds most numerous, angled, barky.
- 1403 DRIMYS. Perianth 3-lobed. Petals 6 or 12. Berry inverse-egg'd. S.

\* *Phytolacca twenty-male.*

*Some Negellas.*

ONE FEMALE.

(*Monogynia.*)

640. MARCGRAVIA. *Cor.* 1-petal'd, calyptre-form. *Cal.* 6-leaved, imbricated. *Berry* many-cell'd, many-feeding.

*umbellata.* I. MARCGRAVIA. *umbel'd.*

1313 TRILIX. *Cor.* 3-petal'd. *Cal.* 3-leaved. *Berry* 5-cell'd, many-feeding.

*lutea.* TRILIX. *yellow.*

641. RHEEDIA. *Cor.* 4-petal'd *Cal.* none. *Berry* 3-feeding.

*lateriflora.* I. RHEEDIA. *side-flowering.*

643. CAPPARIS. *Cal.* 4-leaved, leathery. *Petals* 4. *Stamens* long. *Berry* barky, 1-cell'd, peduncled. *Caper-Bush.*

*spinosa.* I. C. peduncles one-flower'd solitary, stipules thorny, leaves annual, capsules oval. *thorny.*

*zeylanica.* 2. C. peduncles one-flower'd solitary, stipule thorny, leaves egg'd acute at both ends. *ceylon.*

*sepiaria.* 3. C. peduncles umbel'd, stipules thorny, leaves annual egg'd end-nick'd. *hedge.*

*frondosa.* II. C. peduncles umbel'd, leaves every where crowded. *leafy.*

*ferruginea.* 8. C. peduncles umbel'd, leaves permanent lanced downy underneath, flowers eight-male. *iron.*

*Baducca.* 4. C. peduncles one-flower'd, leaves perennial egg-oblong determinately crowded naked.

5. C.

400. MANY MALES. ONE FEMALE. Capparis.

- cynophallo-* 5. C. peduncles many-flower'd terminal, leaves oval  
*phora.* obtuse perennial, glands axillary.
- pulcherrima.* 12. C. peduncles racemed, leaves oblong obtuse, fruit  
berried. *most-beautiful.*
- linearis.* 13. C. peduncles subracemed, leaves linear. *linear.*
- Breynia.* 7. C. peduncles racemed, leaves permanent oblong,  
calyxes and peduncles downy, flowers eight-  
male.
- hastata.* 10. C. peduncles many-flower'd, leaves halbert-lanced  
glossy. *halberted.*
- flexuosa.* 9. C. peduncles collected terminal, leaves permanent  
oblong obtuse smooth, branches winding. *flex-*  
*uous.*
- siliquosa.* 6. C. peduncles many-flower'd compress'd, leaves per-  
manent lance-oblong pointed dotted underneath. *siliqued.*
- grandis.* C. arborefcient, mild, leaves egg'd acute smooth,  
corymbes terminal, fruit globular. *S. great.*
- horrida.* C. arborefcient, stipules prickly, branches winding  
leaves egg-lanced dagger'd smooth, flowers ax-  
illary twofold. *S. horrid.*

644. ACTÆA. *Cor.* 4-petal'd. *Cal.* 4-leaved.  
*Berry* 1-cell'd. *Seeds* femiorbicular.

- spicata.* 1. A. raceme egg'd, fruit berried. *spiked.*
- racemosa.* 1. A. racemes most long, fruit dry. *racemed.*

645. SANGUINARIA. *Cor.* 8-petal'd. *Cal.* 2-  
leaved. *Silique* egg'd, 1-cell'd. *Puccoon.*

- canadensis.* 1. SANGUINARIA. *canadian.*

646. PODOPHYLLUM. *Cor.* 9-petal'd. *Cal.*  
3-leaved. *Berry* one-cell'd, crown'd  
with the Stigma. *Duck's Foot.*

- peltatum.* 1. P. leaves targetted lobed. *targetted.*
- diphyllum.* 2. P. leaves two'd half-hearted. *two-leaved.*



647. CHELIDONIUM. Cor. 4-petal'd. Cal. 2-leaved. *Silique* 1-cell'd, linear. *Celandine*.

- majus*. 1. C. peduncles umbel'd. *greater*.  
*Glaucium*. 2. C. peduncles one-flower'd, leaves stem-clasping sinuous, stem smooth.  
*corniculatum*. 3. C. peduncles one-flower'd, leaves sessile feather-cleft, stem hispid. *horn'd*.  
*hybridum*. 4. C. peduncles one-flower'd, leaves feather-cleft linear, stem polish'd, filiques three-valved. *mule*.

648. PAPAVER. Cor. 4-petal'd. Cal. 2-leaved. *Capsule* 1-cell'd, gaping with pores under the permanent Stigma. *Poppy*.

\* *With hispid capsules.*

- hybridum*. 1. P. capsules subglobular brawny hispid, stem leafy many-flower'd. *mule*.  
*Argemone*. 2. P. capsules club'd hispid, stem leafy many-flower'd.  
*alpinum*. 3. P. capsule hispid, scape one-flower'd naked hispid, leaves twice-feather'd. *alpine*.  
*nudicaule*. 4. P. capsules hispid, scape one-flower'd naked hispid, leaves simple feather-sinuous. *naked-stem*.

\* \* *With smooth capsules.*

- Rhoeas*. 6. P. capsules smooth globular, stem hairy many-flower'd, leaves feather-cleft gash'd.  
*dubium*. 5. P. capsules oblong smooth, stem many-flower'd with bristles appress'd, leaves feather-cleft gash'd. *dubious*.  
*somniferum*. 7. P. calyxes and capsules smooth, leaves stem-clasping gash'd. *somniferous*.  
*cambricum*. 8. P. capsules smooth oblong, stem many-flower'd polish'd, leaves feather'd gash'd. *welch*.  
*orientale*. 9. P. capsules smooth, stems one-flower'd rugged leafy, leaves feather'd saw'd. *oriental*.

402. MANY MALES. ONE FEMALE. Argemone.

649. ARGEMONE. *Cor.* 6-petal'd. *Cal.* 3-leaved.  
*Capsule* half-valved. *Prickly Poppy.*

*mexicana.* 1. A. capsules six-valved, leaves thorny. *mexican.*  
*armeniaca.* 2. A. capsules three-valved. *armenian.*  
*pyrenaica.* 3. A. capsules four-valved, stem naked. *pyrenean.*

650. CAMBOGIA. *Cor.* 4-petal'd. *Cal.* 4-leaved.  
*Pome* 8-cell'd. *Seeds* solitary.

*Gutta.* 1. CAMBOGIA.

651. MUNTINGIA. *Cor.* 5-petal'd. *Cal.* 5-  
parted. *Berry* 1-cell'd, 1-seeded.

*Calabura.* 1. MUNTINGIA.

652. SARRACENIA. *Cor.* 5-petal'd. *Cal.* double,  
3-leaved and 5-leaved. *Capsule* 5-  
cell'd, style with stigma shield-like.

*flava.* 2. S. leaves upright. *yellow.*  
*purpurea.* 1. S. leaves gibbous. *purple.*

653. NYMPHÆA. *Cor.* many-petal'd. *Cal.* 4  
or 5-leaved. *Berry* many-cell'd, lop'd.  
*Water-Lily.*

*lutea.* 1. N. leaves hearted most intire, calyx five-leaved  
greater. *yellow.*  
*alba.* 2. N. leaves hearted most intire, calyx four-cleft. *white.*  
*Lotus.* 3. N. leaves hearted tooth'd.  
*Nelumbo.* 4. N. leaves targetted every way intire.

654. BIXA. *Cor.* 10-petal'd. *Cal.* 5-tooth'd.  
*Capsf.* hispid, 2-valved.

*Orellana.* 1. BIXA.

655. SLO-

655. SLOANEA. *Cor.* 5-petal'd. *Cal.* 5-leaved, deciduous. *Stigma* perforated. *Berry* barky, hedgehog'd, many-seeded, gaping.

*dentata.* 1. *S.* leaves heart-egg'd toothletted, stipules saw'd.

*emarginata.* 2. *S.* leaves oblong most intire end-nick'd. *end-nick'd,* *tooth'd.*

1239. TREWIA. *Cor.* 0. *Cal.* 3-leaved, above. *Capsf.* 3-grain'd.

*nudiflora.* TREWIA. *naked-flower.*

656. MAMMEA. *Cor.* 4-petal'd. *Cal.* 2-leaved. *Berry* most large, 4-seeded.

*americana.* 1. *M.* stamens shorter than the flower. *american.*

*asiatica.* 2. *M.* stamens longer than the flower. *asiatic.*

657. OCHNA. *Cor.* 5-petal'd. *Cal.* 5-leaved. *Berries* 1-seeded, affix'd to a large roundish receptacle.

*squarrosa.* 1. *O.* racemes lateral. *ragged.*

*fabotapita.* 2. *O.* racemes terminal,

659. GRIAS. *Cor.* 4-petal'd. *Cal.* 4-cleft. *Stigma* sessile, cross'd. *Drupe* with nucleus eight-furrow'd.

*cauliflora.* 1. GRIAS. *stem-flowering.*

658. CALOPHYLLUM, *Cor.* 4-petal'd. *Cal.* 4-leaved, colour'd. *Drupe* globular,

*Inophyllum.* 1. *C.* leaves oval.

*Calaba.* 2. *C.* leaves egg'd obtuse.

404. MANY MALES. ONE FEMALE. *Tilia*.

660. *TILIA*. *Cor.* 5-petal'd. *Cal.* 5-parted.  
*Berry* dry, globular, 5-cell'd, 5-valved,  
gaping at the base. *Lime*.

*europæa*. 1. *T.* flowers destitute of a nectary. *europæan*.  
*americana*. 2. *T.* flowers furnish'd with a nectary. *american*.

661. *LAETIA*. *Cor.* 5-petal'd, or none. *Cal.*  
5-leaved. *Fruit* 1-cell'd, three-corner'd. *Seeds* with a pulpy aril.

*apetala*. 1. *L.* flowers petalless. *petalless*.  
*completa*. 2. *L.* flowers petal-like complete. *complete*.

663. *ELÆOCARPUS*. *Cor.* 5-petal'd, torn.  
*Anthers* with top two-valved. *Cal.*  
5-leaved, with nucleus curl'd.

*ferratus*. *E.* one-female, leaves alternate oblong saw'd, racemes  
axillary. *S.* *saw'd*.  
*Dicera*. *E.* four-female, leaves opposite egg'd double-saw'd,  
racemes lateral opposite. *S.*

664. *LECYTHIS*. *Cor.* 6-petal'd. *Cal.* 6-leaved.  
*Nectary* ligulate, stamen-bearing. *Pericarp* circumcised, many-seeded.

*Ollaria*. 1. *L.* leaves sessile heart-egg'd very intire.  
*minor*. 2. *L.* leaves petioled lanced saw'd. *lesser*.

672. *DELIMA*. *Cor.* 0. *Cal.* 5-leaved. *Berry*  
2-seeded.

*sarmentosa*. *A.* *DELIMA*. *sarment*.

666. *VA-*

666. VATERIA. *Cor.* 5-petal'd. *Cal.* 5-cleft.  
*Capsf.* 3-valved, 1-cell'd, 3-seeded.

*indica.* I. VATERIA. *indian.*

670. MENTZELIA. *Cor.* 5-petal'd. *Cal.* 5-  
leaved. *Capsf.* beneath, cylindric, many-  
seeded.

*aspera.* I. MENTZELIA. *rough.*

1286. LOOSA. *Cor.* 5-petal'd. *Cal.* 5-leaved.  
*Capsule* half-beneath, 1-cell'd, half-  
three-valved, many-seeded.

*hispida.* I. LOOSA. *hispid.*

667. LAGERSTROEMIA. *Cor.* 6-petal'd, curl'd.  
*Cal.* 6-cleft, bell'd. *Stamens* many:  
the 6 exterior of these thicker, lon-  
ger than the petals.

*indica.* LAGERSTROEMIA. *indian.*

668. THEA. *Cor.* 6 or 9-petal'd. *Cal.* 5 or 6-  
leaved. *Capsf.* 3-grain'd. *Tea.*

*Bohea.* I. T. flowers six-petal'd. *Bohea.*  
*viridis.* 2. T. flowers nine-petal'd. *green.*

669. CARYOPHYLLUS. *Cor.* 4-petal'd. *Cal.*  
4-leaved, double. *Berry* 1-seeded,  
beneath. *Clowe.*

*aromaticus.* I. CARYOPHYLLUS. *aromatic.*

673. CISTUS.

406. MANY MALES. ONE FEMALE. Cistus.

673. CISTUS. Cor. 5-petal'd. Cal. 5-leaved :  
with two lesser leaflets. Capsule.

\* *Unstipuled shrubby.*

- capensis.* 1. C. arborecent unstipuled, leaves egg-lanced petioled  
three-nerved toothletted naked on both sides. *cape.*
- villosus.* 2. C. arborecent unstipuled, leaves egg'd petioled  
shaggy. *villous.*
- populifolius.* 3. C. arborecent unstipuled, leaves hearted polish'd  
pointed petioled. *poplar-leaved.*
- laurifolius.* 4. C. arborecent unstipuled, leaves oblong-egg'd petioled  
three-nerved smooth above : petioles conjoin'd  
at the base. *bay-leaved.*
- ladaniferus.* 5. C. arborecent unstipuled, leaves lanced polish'd  
above, petioles coalesced at the base sheathing.  
*ladanum-bearing.*
- monspeliensis.* 6. C. arborecent unstipuled, leaves linear-lanced sessile  
villous on both sides three-nerved. *montpelier.*
- salvifolius.* 10. C. arborecent unstipuled, leaves egg'd petioled shaggy  
on both sides. *sage-leaved.*
- incanus.* 7. C. arborecent unstipuled, leaves spatuled downy  
wrinkled : inferiour ones conjoin'd at the base  
sheathing. *hoary.*
- creticus.* 9. C. arborecent unstipuled, leaves spatule-egg'd peti-  
oled nerveless rugged, calyxes lanced. *cretan.*
- albidus.* 8. C. arborecent unstipuled, leaves egg-lanced downy  
hoary sessile mostly three-nerved. *white.*
- crispus.* 11. C. arborecent unstipuled, leaves lanced pubescent  
three-nerved waved. *curl'd.*
- halimifolius.* 12. C. arborecent unstipuled, the two calyx-leaflets linear.  
*halimus-leaved.*
- libanatis.* 13. C. arborecent unstipuled, leaves linear revolute,  
flowers umbel'd.

\*\* *Unstipuled shrubbyish.*

- umbellatus.* 14. C. shrubbyish procumbent unstipuled, leaves opposite,  
flowers umbel'd. *umbel'd.*
- lævipis.* 15. C. shrubbyish ascending unstipuled, leaves alternate  
fascicled thread-form smooth, peduncles ra-  
cemed. *foot-polish'd.*
- calycinus.* C. shrubbyish erect unstipuled, leaves linear, pedun-  
cles one-flower'd, calyxes three-leaved. *calyx.*
16. C.

- Fumana*. 16. *C.* shrubbyish procumbent unstipuled, leaves alternate linear rugged on the margin, peduncles one-flower'd.
- canus*. 18. *C.* shrubbyish procumbent unstipuled, leaves opposite inverſe-egg'd villous downy underneath, flowers ſubumbel'd. *hoary*.
- italicus*. 17. *C.* shrubbyish unstipuled, leaves oppoſite hispid: the inferior ones egg'd; the ſuperior ones lanced, branches expanding. *italian*.
- marifolius*. 19. *C.* shrubbyish unstipuled, leaves oppoſite oblong petioled flat hoary underneath. *marum-leaved*.
- anglicus*. *C.* shrubbyish unstipuled procumbent, leaves oppoſite oblong revolute hairy, flowers racemed. *english*.
- oelandicus*. 20. *C.* shrubbyish procumbent unstipuled, leaves oppoſite oblong ſmooth on both ſides, petioles fringed, petals end-nick'd. *oelandian*.

\* \* \* *Unſtipuled herbaceous.*

- Tuberaria*. 21. *C.* unſtipuled perennial, radical leaves egg'd three-nerved downy; ſtem-leaves ſmooth lanced: the highest ones alternate.
- guttatus*. 22. *C.* herbaceous unſtipuled, leaves oppoſite lanced three-nerved, racemes bracteſs. *ſpotted*.
- canadenſis*. 23. *C.* herbaceous unſtipuled, all the leaves alternate lanced, ſtem aſcending. *canadian*.

\* \* \* \* *Stipuled herbaceous.*

- ledifolius*. 24. *C.* herbaceous erect ſmooth ſtipuled, flowers ſolitary ſubſeſſile oppoſite to a three'd leaf. *ledum-leaved*.
- ſalicifolius*. 25. *C.* herbaceous ſpreading villous ſtipuled, flowers racemed erect, pedicels horizontal. *willow-leaved*.
- niloticus*. *C.* herbaceous ſtipuled erect, rather downy, flowers racemed ſolitary ſeſſile leaf-oppoſed. *nile*.
- ægypticus*. 26. *C.* herbaceous erect ſtipuled, leaves linear-lanced petioled, calyxes inflated larger than the corol. *ægyptian*.

\* \* \* \* \* *Stipuled ſhrubbyiſh.*

- ſquamatus*. 27. *C.* shrubbyish ſtipuled, leaves cover'd over with orbicular ſcales. *ſcaly*.

408. MANY MALES. ONE FEMALE. *Cistus*.

- Lippii*. C. shrubbyish stipuled erect, leaves alternate and opposite lanced rugged, spikes one-rank'd. *of Lippius.*
- surrejanus*. 28. C. shrubbyish stipuled procumbent, leaves egg-oblong rather hairy, petals lanced. *furry.*
- nummularius*. 29. C. shrubbyish stipuled, the lower leaves orbicular, the superiour ones egg'd. *money.*
- serpyllifolius*. 30. C. shrubbyish stipuled, leaves oblong, calyxes polish'd. *serpyllum-leaved.*
- glutinosus*. C. shrubbyish stipuled, leaves linear opposite and alternate, peduncles villous glutinous. *glutincus.*
- Thymifolius*. 31. C. shrubbyish stipuled procumbent, leaves oval-linear opposite most short collected. *Thyme-leaved.*
- pilosus*. 32. C. shrubbyish stipuled erectish, leaves linear two-furrow'd underneath hoary, calyxes polish'd. *hairy.*
- racemosus*. C. shrubbyish stipuled, leaves lance-linear downy underneath. *racemed.*
- Helianthemum*. 33. C. shrubbyish procumbent, stipules lanced, leaves oblong revolute rather hairy. *Sun-flower.*
- hirtus*. 34. C. shrubbyish stipuled, leaves egg'd, calyxes hispid. *shaggy.*
- apenninus*. 35. C. shrubbyish stipuled spreading, leaves lanced shaggy. *apennine.*
- polifolius*. 36. C. shrubbyish stipuled procumbent, leaves oblong-egg'd hoary, calyxes polish'd, petals saw'd. *polium-leaved.*
- arabicus*. 37. C. shrubbyish stipuled, leaves alternate lanced flat polish'd. *arabian.*

674. PROCKIA. *Cal.* 3-leaved besides the two leaflets of the base. *Cor.* 0. *Berry* 5-angled, many-seeded

*Crucis.* I. PROCKIA.

675. CORCHORUS. *Cor.* 5-petal'd. *Cal.* 5-leaved, deciduous. *Capsf.* many-valved, cell'd. *Jew's Mallow.*

*olitorius*. 2. C. capsules oblong bellied, leaves with the lowest sawings bristly. *garden.*

7. C.



- trilocularis.* 7. C. capsules three-cell'd three-valved three-sided: the angles two-cleft rugged, leaves oblong: the lowest sawings bristly. *three-cell'd.*
- tridens.* C. capsules linear columnarish rugged, leaves with the lowest sawings bristly. *three-tooth'd.*
- æstuans.* 3. C. capsules oblong three-cell'd three-valved six-furrow'd six-piked, leaves hearted: the lowest sawings bristly. *burning.*
- capsularis.* 4. C. capsules roundish depress'd wrinkled, leaves with the lowest sawings bristly. *capsular.*
- hirsutus.* 4. C. capsules roundish woolly, leaves egg'd obtuse downy equally saw'd. *shaggy.*
- hirtus.* 5. C. capsules oblong and stem hairy, leaves oblong equally saw'd. *shagg'd.*
- filiquosus.* 1. C. capsules linear compress'd two-valved, leaves lanced equally saw'd *filiqued.*

676. SEGUIERIA. *Cal.* 5-leaved. *Cor.* 0. *Capsf.* one-seeded: with a large terminal wing and lateral winglets.

*americana.* I. SEGUIERIA. *american.*

1397. TERNSTROEMIA. *Cal.* one-leaved, 5-parted. *Cor.* 1-petal'd, 5 or 6-parted, globular, bell'd. *Berry* juiceless, two-cell'd, valveless. *S.*

*meridionalis.* TERNSTROEMIA. *meridion.*

1398. ALSTONIA. *Cal.* beneath, imbricated. *Cor.* 8 or 10-parted: with alternate divisions. *S.*

*Theæformis.* ALSTONIA. *Tea-form.*

410. MANY MALES. ONE FEMALE. Myristica.

1399. MYRISTICA. *Berry* fleshy, one-seeded.  
*Membrane* netted, dry, between the  
Berry and the Seed. S.

*officinalis.* MYRISTICA. *officinal.*

1400. SPARMANNIA. *Cal.* 4-leaved. *Cor.* 4-  
petal'd, reflex. *Nectaries* very nume-  
rous protuberant. *Capsule* angled, five-  
cell'd, hedgehog'd. S.

*africana.* SPARMANNIA. *african.*

1401. VALLEA. *Caps.* two-cell'd. *Cal.* 4 or 5-  
leaved. *Petals* 4 or 5, three-cleft.  
*Stigma* 4 or 5-cleft. S.

*stipularis.* VALLEA. *stipuled.*

## T W O F E M A L E S .

(*Digynia.*)

678. PÆONIA. *Cal.* 5-leaved. *Petals* 5. *Styles*  
0. *Capsules* many-seeded. *Pæony.*

*officinalis.* 1. P. leaves oblong. *officinal.*  
*anomala.* P. calyx leafy, capsules smooth depresso'd. *anomalous.*  
*tenuifolia.* 2. P. leaves linear many-parted. *slender-leaved.*

679. CURATELLA. *Cal.* 5-leaved. *Petals* 4.  
*Styles* 2. *Capsule* 2-parted: cells two-  
seeded.

*americana.* A. CURATELLA. *american.*

FOTHER-

FOTHERGILLA. *Cal.* lop'd, most intire. *Cor.*  
 o. *Germ* two-cleft. *Capsf.* 2-cell'd.  
*Seeds* solitary, bony. (cells 2-valved. *S.*)

*Gardeni.* FOTHERGILLA.

*alnifolia* FOTHERGILLA. *S.* *alnus-leaved.*

680. CALLIGONUM. *Cal.* 5-leaved. *Petals* o.  
*Styles* o. *Fruit* hispid, 1-seeded.

*Polygonoides.* CALLIGONUM. *Polygonum-like.*

### T H R E E F E M A L E S .

( *Trigynia.* )

681. DELPHINIUM. *Cor.* o. *Petals* 5. *Nectary*  
 two-cleft, horn'd on the back. *Siliques*  
 3 or 1. *Larkspur.*

\* *One-capsuled.*

<i>Consolida.</i>	1. D. nectaries one-leaved, stem subdivided	
<i>Ajacia.</i>	2. D. nectaries one-leaved, stem simple.	<i>of Ajax.</i>
<i>aconiti.</i>	D. nectaries one-leaved four-tooth'd before,	capsules solitary, branchlets one-flower'd. <i>aconite.</i>

\*\* *Three-capsuled.*

<i>ambiguum.</i>	3. D. nectaries one-leaved, corols six-petal'd, leaves many-parted.	<i>ambiguum.</i>
<i>peregrinum.</i>	4. D. nectaries two-leaved, corols nine-petal'd, leaves many-parted obtuse.	<i>foreign.</i>
<i>grandiflorum.</i>	5. D. nectaries two-leaved: the lips intire, flowers solitary, leaves compound linear-many-parted, great-flower'd.	

412. MANY MALES. THREE FEMALES. Delphinium.

- elatum*. 6. D. nectaries two-leaved: the lips two-cleft beard-  
ed at top, leaves gash'd, stem erect. *elate*.
- Staphisagria*. 7. D. nectaries four-leaved shorter than the petal, leaves  
handed lobes obtuse.
- punicum*. D. lips two-parted hairy, horn of the nectary straight,  
leaves many-parted; calyx-bractes none. S.  
*scarlet*.

682. ACONITUM. *Cal.* 0. *Petals* 5: the highest vaulted. *Nectaries* 2, peduncled, re-curved. *Siliques* 3 or 5. *Wolfsbane*.

\* *Three-capsuled*.

- Lycostonum*. 1. A. leaves handed many-cleft villous.
- Napellus*. 4. A. divisions of the leaves linear broader above plough'd  
with a line. *monkshead*.
- pyrenaicum*. 5. A. leaves many-parted: the divisions linear incumbent  
ragged. *pyrennean*.

\*\* *Five-capsuled*.

- Anthora*. 7. A. flowers five-female, divisions of the leaves linear.
- variegatum*. 3. A. flowers five-female, leaves with divisions semi-  
parted broader above. *variegated*.
- Cammarum*. 6. A. flowers mostly five-female, divisions of the leaves  
wedge-form gash'd acute.
- uncinatum*. 2. A. flowers mostly five-female, leaves many-lobed,  
helmet of the corols extended longer. *hook'd*.

F O U R F E M A L E S.

( *Tetragynia* . )

683. TETRACERA. *Cal.* 6-leaved. *Capsules* 4.

- volubilis*. I. TETRACERA. *twining*.

1314. CARYOCAR. *Cal.* 5-parted. *Petals* 5.  
*Styles* oftener 4. *Drupe* with neucleuses  
 with 4 furrows netted.

*nuciferum.* CARYOCAR. *nut-bearing.*

1282. CIMICIFUGA. *Cal.* 5 leaflets. *Nectaries*  
 4, petal-form. *Styles* recurved. *Caps-*  
*sules* oblong gaping at a lateral future.  
*Seeds* cover'd with expanded scales.

*foetida.* CIMICIFUGA. *fetid.*

F I V E F E M A L E S.

( *Pentagynia.* )

684. AQUILEGIA. *Cal.* 0. *Petals* 5. *Nectaries*  
 5, horn'd, between the *Petals*. *Caps.*  
 5, distinct. *Columbine.*

*viscosa.* 4. A. *nectaries* . . . stem nakedish mostly one-flower'd  
 viscous-hairy, leaves mostly three-lobed. *viscous.*

*vulgaris.* 1. A. *nectaries* incurved. *common.*

*alpina.* 2. A. *nectaries* straight, shorter than the lanced petal.  
*alpine.*

*canadensis.* 3. A. *nectaries* straight, stamens longer than the corol.  
*canadian.*

685. NIGELLA. *Cal.* 0. *Petals* 5. *Nectaries*  
 5, three-cleft within the corol. *Caps-*  
*sules* 5, connected. *Devil in bush.*

\* *Five-female.*

*damaescena.* 1. N. flowers girt with a leafy involucre. *damaescen.*  
 2. N.

414. MANY MALES. FIVE FEMALES. *Nigella*.

- fativa*. 2. N. pistils five-fold, capsules murex'd roundish, leaves rather hairy. *cultivated.*  
*arvensis*. 3. N. pistils five-fold, petals intire, capsules top-shape. *field.*

\* *Ten-female.*

- hispanica*. 4. N. pistils ten-fold equalling the corol. *spanish.*  
*orientalis*. 7. N. pistils ten-fold longer than the corol. *oriental.*

686. REAUMURIA. *Cal.* 6-leaved. *Petals* 5.  
*Capsf.* 1-cell'd, 5-valved, many-seeded.

*vermiculata*. REAUMARIA. *worm'd.*

1402. BRATHYS. *Cal.* 5-leaved. *Petals* 5.  
*Nectary* 0. *Capsf.* 1-cell'd, many-seeded. *S.*

*juniperina*. BRATHYS. *juniper.*

S I X F E M A L E S.

(*Hexagynia*)

687. STRATIOTES. *Spathe* two-leaved. *Perianth* 3-cleft. *Petals* 3. *Berry* 6-cell'd, beneath. *Water-Soldier.*

- Abides*. 1. S. leaves sword-form-triangular fringe-prickly. *Aloe-like.*  
*Alismoides*. 2. S. leaves hearted. *Alisma-like.*  
*Acoroides*. S. leaves sword-form flat most smooth, spathe-bearded at top. *S. Acorus-like.*

MANY

M A N Y F E M A L E S.

( *Polygynia.* )

688. DILLENIA. *Cal.* 5 - leaved. *Petals* 5.  
*Capsules* many - seeded, conjoin'd, re-  
 plete with pulp.

*indica.*

I. DILLENIA.

*indian.*

611. ILLICIUM. *Cal.* 6-leaved. *Petals* 27.  
*Capsules* very numerous digested in an  
 orb, two-valved, one-seeded.

*anisatum.* I. (flowers yellowish)

*anise.*

*floridanum.* I. (flowers red)

*florida.*

689. LIRIODENDRON. *Cal.* 3-leaved. *Petals*  
 9. *Seeds* imbricated in a strobile.  
*Lyre-Tree.*

*Tulipifera.* 1. L. leaves lobed.

*Tulip-bearing.*

*Liliifera.* 2. L. leaves lanced.

*Lily-bearing.*

690. MAGNOLIA. *Cal.* 3 - leaved. *Petals* 9.  
*Capsf.* 2-valved, imbricated. *Seeds*  
 berried, pendulous.

*grandiflora.* 1. M. leaves lanced perennial.

*great-flower'd.*

*glauca.* 2. M. leaves egg-oblong sea-green underneath.

*sea-green.*

*acuminata.* 4. M. leaves egg-oblong pointed.

*pointed.*

*tripetala.* 3. M. leaves lanced, the exterior petals depending.

*three-petal'd.*

691. MI-

416. MANY MALES. MANY FEMALES *Michelia*.

691. MICHELIA. *Cal.* 3-leaved. *Petals* 15.  
*Berries* many, 4-seeded.

*Champaca*. 1. *M.* leaves lanced.

*Tsiampaca*. 2. *M.* leaves lance-egg'd.

692. UVARIA. *Cal.* 3-leaved. *Petals* 6. *Berries* numerous, pendulous, 4-seeded.

*zeylanica*. 1. *U.* leaves most intire.

*javanica*. 2. *U.* leaves saw'd.

*ceylon.*

*java.*

693. ANNONA. *Cal.* 3-leaved. *Petals* 6. *Berry* many-seeded, roundish, with a scaly bark. *Custard Apple*.

*muricata*. 1. *A.* leaves oval-lanced smooth glossy flat, pomes murex'd. *murex'd.*

*squamosa*. 2. *A.* leaves oblong somewhat waved, fruit rather obtusely scaled. *scaly.*

*reticulata*. 3. *A.* leaves lanced, fruit egg'd area-netted. *netted.*

*palustris*. 4. *A.* leaves oblong obtusish smooth, fruit area-like. *marsh.*

*glabra*. 5. *A.* leaves lance-egg'd, fruit cone-like smooth. *smooth.*

*triloba*. 6. *A.* leaves lanced, fruit three-cleft. *three-lobed.*

*asiatica*. 7. *A.* leaves lanced smooth glossy lined. *asiatic.*

*africana*. 8. *A.* leaves lanced pubescent. *african.*

*hexapetala*. *A.* flowers six-petal'd. *S.* *six-petal'd.*

694. ANEMONE. *Cal.* 0 *Petals* 6-9. *Seeds* very numerous.

\* *Hepaticas with flower subcalyced.*

*Hepatica*. 1. *A.* leaves three-lobed most intire.

\*\* *Pulsatillas with peduncle involucred, seeds tail'd.*

*patens*. 3. *A.* peduncle involucred, leaves finger'd many-cleft. *expanding.*

23. *A.*



- sulphurea*. 23. A. peduncle involucred, leaves triple-feather'd hairy flat acutely gash'd, seeds tail'd. *sulphur.*
- baldensis*. 22. A. leaves thrice-three'd shaggy.
- vernalis*. 4. A. peduncle involucred, leaves feather'd, flower erect. *vernal.*
- Pulsatilla*. 5. A. peduncle involucred, petals straight, leaves twice-feather'd.
- pratensis*. 6. A. peduncle involucred, petals reflected at top, leaves twice-feather'd. *meadow.*
- alpina*. 7. A. stem-leaves threefold conjoin'd superdecompound many-cleft, seeds shaggy tail'd. *alpine.*

\*\*\* Anemones with stem leafy, seeds tail'd.

- coronaria*. 8. A. radical leaves three-decompound, involucre leafy. *crow.*
- hortensis*. 9. A. leaves finger'd, seeds woolly. *garden.*
- palmata*. 2. A. leaves hearted sublobed, calyx six-leaved colour'd. *banded.*

\*\*\*\* Anemonoides with flower naked, Seeds tailless.

- sibirica*. 18. A. stem one-flower'd, involucre leafy obtuse. *siberian.*
- sylvestris*. 10. A. peduncle naked, seeds roundish shaggy awnless. *wood.*
- virginiana*. 11. A. peduncles alternate most long, fruit cylindrical, seeds shaggy awnless. *virginian.*
- decapetala*. 23. A. stem one-flower'd, flowers ten-petal'd, leaves three'd lobed radical. *ten-petal'd.*
- pennsylvanica*. A. stem two-fork'd, leaves sessile stem-clasping: the lowest threefold three-cleft gash'd. *pennsylvanian.*
- dichotoma*. 12. A. stem two-fork'd, leaves sessile all opposite stem-clasping three-cleft gash'd. *two-fork'd.*
- trifolia*. 13. A. leaves three'd egg'd intire saw'd, stem one-flower'd. *three-leaved.*
- quinquefolia*. 14. A. leaves fived oval saw'd, stem one-flower'd. *five-leaved.*
- nemorosa*. 15. A. seeds acute, leaflets gash'd, stem one-flower'd. *grove.*
- appennina*. 16. A. seeds acute, leaflets gash'd, petals lanced numerous. *appennine.*
- ranunculoides*. 17. A. seeds acute, leaflets gash'd, petals roundish, stem mostly one-flower'd. *ranunculus-like.*
- narcissiflora*. 19. A. flowers umbel'd, seeds oval-depress'd naked. *narcissus-flower'd.*

418. MANY MALES. MANY FEMALES. Anemone.

- fasciculata*. 20. A. flowers umbel'd collected, leaves many-cleft.  
*Thaliætroi-* 21. A. flowers umbel'd, stem-leaves simple verticil'd, *fascicled.*  
*des.* radical ones thrice-three'd. *Thaliætrum-like.*

695. ATRAGENE. *Cal.* 4-leaved. *Petals* 12.  
*Seeds* tail'd.

- alpina*. 2. A. leaves thrice-three'd saw'd, the exterior petals  
 fourfold. *alpine.*  
*capensis*. 3. A. leaves three'd : leaflets gash'd tooth'd, the exterior  
 petals fivefold. *cape.*  
*zeylanica*. 1. A. tendrils two-leaved. *ceylon.*  
*tenuifolia*. A: leaves twice-feather'd : featherlets linear intire.  
*S.* *slender-leaved.*

696. CLEMATIS. *Cal.* 0. *Petals* 4, seldom 5.  
*Seeds* tail'd: *Virgin's Bower.*

\* *Climbing.*

- cirrhusa*. C. leaves simple, stem climbing with opposite tendrils,  
 peduncles one-flower'd lateral. *tendrill'd.*  
*Viticella*. 1. C. leaves compound and decomposed : leaflets egg'd  
 sublobed most intire.  
*Viorna*. 2. C. leaves compound and decomposed : some leaflets  
 three-cleft.  
*crispa*. 3. C. leaves simple and three'd : leaflets intire or three-  
 lobed. *curl'd.*  
*orientalis*. 4. C. leaves compound : leaflets gash'd angled lobed  
 wedge-form, petals internally villous. *oriental.*  
*virginiana*. 6. C. leaves three'd : leaflets hearted sublobe - angled  
 climbing, flowers two-houfe. *virginian.*  
*dioica*. 5. C. leaves three'd most intire, flowers two-houfe. *two-*  
*houfe.*  
*Vitalba*. 8. C. leaves feather'd : leaflets hearted climbing.  
*Flammula*. 9. C. the inferior leaves feather'd jagg'd : the highest  
 ones simple most intire lanced.  
*hexapetala*. C. leaves compound : leaflets egg'd saw'd, peduncles  
 two-leaved, corol expanding six-petal'd. *S.*  
*six-petal'd.*

\*\* *Erect.*

\* \* Erect.

- maritima*. 10. C. leaves feather'd linear, stems simple six-corner'd.  
*erec̄ta*. 8. C. leaves feather'd : leaflets egg-lanced most intire,  
 stem erect, flowers five-petal'd and four-petal'd.  
*integrifolia*. 9. C. leaves simple egg-lanced, flowers bowing.  
 erect.  
 intire-leaved.

697. THALICTRUM. Cal. 0. Petals 4 or 5.  
 Seeds tailless. Meadow-rue.

- alpinum*. 1. T. stem most simple nakedish, raceme simple terminal.  
 alpine.  
*foetidum*. 2. T. stem paniced thread-form most branchy leafy.  
 sinking.  
*tuberosum*. 3. T. flowers five-petal'd, root tuberous.  
 tuberous.  
*Cornuti*. 4. T. flowers five-petal'd, root fibrous. of *Cornutus*.  
*dioicum*. 5. T. flowers two-houfe. two-houfe.  
*minus*. 6. T. leaves six-parted, flowers bowing. lefs.  
*sibiricum*. 8. T. leaves three-parted : leaflets subreflected sharply  
 gash'd, flowers bowing. siberian.  
*purpurascens*. 7. T. leaves three-parted, stem twice as high as the  
 leaves, flowers bowing. purplish.  
*angustifoli-um*. 9. T. leaflets lance-linear most intire. narrow-leaved.  
*flavum*. 10. T. stem leafy furrow'd, panicle manyfold erect.  
 yellow.  
*simplex*. 14. T. stem leafy most simple angled. simple.  
*lucidum*. 11. T. stem leafy furrow'd, leaves linear fleshy. lucid.  
*aquilegifolium*. 12. T. fruit pendulous triangular straight, stem columnar.  
 columbine-leaved.  
*contortum*. 13. T. fruit pendulous triangular contorted, stem some-  
 what two-edged. contorted.  
*stameneum*. T. filaments of the stamens petal-form lanced. S.  
 stamen.  
*styloideum*. T. leaves three-part-feather'd, styles wing'd at the  
 base. S. style-like.

698. ADONIS. *Cal.* 5-leaved. *Petals* more than five without a nectary. *Seeds* naked. *Pheasant's Eye.*

- |                     |   |                  |
|---------------------|---|------------------|
| <i>æstivalis.</i>   | 1. A. flowers five-petal'd, fruit egg'd.  | <i>summer.</i>   |
| <i>autumnalis.</i>  | 2. A. flowers eight-petal'd, fruit subcylindric.  | <i>autumnal.</i> |
| <i>vernalis.</i>    | 3. A. flower twelve-petal'd : fruit egg'd.  | <i>vernal.</i>   |
| <i>apennina.</i>    | 4. A. flowers fifteen-petal'd.  | <i>apennine.</i> |
| <i>capensis.</i>    | 5. A. flowers ten-petal'd, fruit depress'd, leaves thrice-three'd : leaflets saw'd hearted. | <i>cape.</i>     |
| <i>filia.</i>       | A. leaves twice-feather'd : leaflets linear feather-cleft.                                  | <i>thread.</i>   |
|                     | S.  |                  |
| <i>capensis.</i>    | A. leaves thrice-three'd : leaflets somewhat hearted.                                       | <i>cape.</i>     |
|                     | S.  |                  |
| <i>vesicatoria.</i> | A. leaves thrice-three'd : leaflets saw'd smooth, flowers ten-petal'd.                      | <i>bladder.</i>  |
|                     | S.  |                  |

699. RANUNCULUS. *Cal.* 5-leaved. *Petals* 5 with a honey-bearing pore within the claws. *Seeds* naked.

\* *Leaves simple.*

- |                        |   |                          |
|------------------------|---|--------------------------|
| <i>Flammula.</i>       | 1. R. leaves egg-lanced petioled, stem declining.   |                          |
| <i>reptans.</i>        | 2. R. leaves linear, stem creeping.   | <i>creeping.</i>         |
| <i>Lingua.</i>         | 3. R. leaves lanced, stem erect.  | <i>Tongue.</i>           |
| <i>nodiiflorus.</i>    | 4. R. leaves egg'd petioled : flowers sessile.  | <i>knot-flowering.</i>   |
| <i>gramineus.</i>      | R. leaves lance-linear undivided, stem erect, most polish'd few-flower'd.   | <i>grassy.</i>           |
| <i>pyrenæus.</i>       | R. leaves linear undivided, stem erect, striated mostly two-flower'd.   | <i>pyrenean.</i>         |
| <i>parnassifolius.</i> | 6. R. leaves somewhat egg'd nervy lined most intire petioled, flowers umbel'd.                                      | <i>parnassia-leaved.</i> |
| <i>amplexicaulis.</i>  | 7. R. leaves egg'd pointed stem-clasping, stem many-flower'd, root fascicled.                                       | <i>stem-clasping.</i>    |
| <i>bullatus.</i>       | 8. R. leaves egg'd saw'd, scape naked one-flower'd.   | <i>studded.</i>          |
| <i>Ficaria.</i>        | 9. R. leaves hearted angled petioled, stem one-flower'd.  | <i>Pilewort.</i>         |
| <i>Thora.</i>          | 10. R. leaves kidney-form mostly three-lobed notch'd : stem-leaf sessile, flowers lanced, stem mostly two-flower'd. |                          |

\*\* *Leaves*

\* \* *Leaves dissected and divided.*

- creticus*. 11. R. radical leaves kidney-form notch'd sublobed : stem-leaves three-parted lanced most intire, stem many-flower'd. *cretan.*
- caffubicus*. 12. R. radical leaves somewhat round-hearted notch'd ; stem-leaves finger'd tooth'd, stem many-flower'd. *caffubian.*
- auricomus*. 13. R. radical leaves kidney-form notch'd gash'd : stem-leaves finger'd linear, stem many-flower'd. *gold-hair'd.*
- abortivus*. 14. R. radical leaves hearted notch'd : stem-leaves three'd angled, stem mostly three-flower'd. *abortive.*
- sceleratus*. 15. R. the inferiour leaves handed ; the highest ones finger'd, fruit oblong. *baneful.*
- aconitifolius*. 16. R. leaves all fived lanced gash-saw'd. *aconite-leaved.*
- platanifolius*. R. leaves handed polish'd gash'd, stem erect, bractes linear. *platanus-leaved.*
- illyricus*. 17. R. leaves three'd most intire lanced. *illyrian.*
- asiaticus*. 18. R. leaves three'd and thrice-three'd : leaflets three-cleft gash'd, stem branchy below. *asiatic.*
- rutæfolius*. 19. R. leaves superdecompound, stem most simple one-leaved one-flower'd, root tuberous. *rue-leaved.*
- glacialis*. 20. R. calyxes shaggy, stem two-flower'd, leaves many-cleft. *icy.*
- nivalis*. 21. R. calyx shaggy, stem one-flower'd, radical leaves handed ; stem-leaves many-parted sessile. *snowy.*
- alpestris*. 22. R. radical leaves somewhat hearted obtuse three-parted : with lobes three-lobed : stem-leaves lanced most intire, stem mostly one-flower'd. *alpine.*
- lapponicus*. 23. R. leaves three-parted lobed obtuse, stem nakedish one-flower'd. *lapland.*
- monspeliacus*. 24. R. leaves three-parted notch'd, stem simple villous nakedish one-flower'd. *montpelier.*
- bulbosus*. 25. R. calyxes retroflected, peduncles furrow'd, stem erect many-flower'd, leaves compound. *bulbous.*
- repens*. 26. R. calyxes spreading, peduncles furrow'd, stoles creeping, leaves compound. *creeping.*
- polyanthemos*. 27. R. calyxes expanded, peduncles furrow'd, stem erect, leaves many-parted. *many-flower'd.*
- acris*. 28. R. calyxes expanded, peduncles columnar, leaves three-part-many-cleft : the highest linear. *acid.*
29. R.

422. MANY MALES. MANY FEMALES. *Ranunculus*.

- lanuginosus*. 29. R. calyxes expanded, peduncles columnar, stem and petioles shaggy, leaves three-cleft lobed notch'd velvety. *woolly.*
- chærophyllos*. 30. R. calyxes retroflected, peduncles furrow'd, stem erect one-flower'd: leaves compound linear many-cleft. *little.*
- parvulus*. 39. R. shaggy, leaves three-lobed gash'd, stem erect mostly one-flower'd. *field.*
- arvensis*. 31. R. seeds prickly, the superiour leaves decomound linear. *field.*
- muricatus*. 32. R. seeds prickly, leaves simple lobed obtuse smooth, stem diffuse. *murex'd.*
- parviflorus*. 33. R. seeds murex'd, leaves simple jagg'd acute shaggy, stem diffuse. *small-flower'd.*
- orientalis*. 34. R. seeds thorn-awl'd recurved, calyxes reflected, leaves many-cleft. *oriental.*
- grandiflorus*. 35. R. stem erect two-leaved, leaves many-cleft: stem-leaves alternate sessile. *great-flower'd.*
- falcatus*. 36. R. leaves thread-form branchy, scape naked one-flower'd, seeds sickled. *sickled.*
- hederaceus*. 37. R. leaves roundish three-lobed most intire, stem creeping. *ivy.*
- aquatilis*. 28. R. the submerged leaves capillary, the emerged ones targetted. *water.*
- pensylvanicus*. R. calyxes reflected, stem erect, leaves three'd three-cleft gash'd hairy underneath. *pensylvanian.*

700. TROLLIUS. *Cal.* 0. *Petals* about 14. *Capsules* most numerous, egg'd, many-seeded. *Globe-Ranunculus.*

- europæus*. 1. T. corols converging, nectaries the length of the stamens. *european.*
- asiaticus*. 2. T. corol expanded, nectaries longer than the stamen. *asiatic.*

701. ISOPYRUM. *Cal.* 0. *Petals* 5. *Nectaries* 3-cleft tubular. *Capsf.* recurved, many-seeded.

*fumarioides*. 1. I. stipules awl'd, petals acute. *fumitory-like.*  
*thalictroides*. 2. I. stipules egg'd, petals obtuse. *thalictrum-like.*  
*aquilegioides*. 3. I. stipules obscure. *columbine-like.*

702. HELLEBORUS. *Cal.* 0. *Petals* 5 or more. *Nectaries* two-lip'd, tubular. *Capsf.* many-seeded, erectish. *Hellebore.*

*hyemalis*. 1. H. flower sitting on the leaf. *winter.*  
*niger*. 2. H. scape mostly two-flower'd nakedish, leaves footed. *black.*  
*viridis*. 3. H. stem two-cleft, branches with leaflets two-flower'd, leaves finger'd. *green.*  
*foetidus*. 4. H. stem many-flower'd leafy, leaves footed. *fetid.*  
*trifolius*. 5. H. scape one-flower'd leaves three'd *three-leaved.*

703. CALTHA. *Cal.* 0. *Petals* 5. *Nectaries* 0. *Capsf.* very numerous, many-seeded. *Marsh Marygold.*

*palustris*. 1. CALTHA. *marsh.*

704. HYDRASTIS. *Cal.* 0. *Petals* 3. *Nectaries* 0. *Berry* compound with stones many-seeded. *Yellow Root.*

*canadensis*. 1. HYDRASTIS. *canadian.*

424. MANY MALES. MANY FEMALES. Drimys.

1403. DRIMYS. *Perianth* 3-lobed. *Petals* 6 or 12. *Germ*s club'd. *Style* o. *Berry* inverse-egg'd. S.

*granadenfis.* D. peduncles axillary elongated three-cleft, pistils eight. S. *granada.*

*Winteri.* D. peduncles aggregate terminal, pistils four. S. *Winter's.*

*axillaris.* D. peduncles threefold axillary, pistil one. S. *axillary.*

1404. UNONA. *Cal.* 3-leaved. *Cor.* 6-petal'd. *Berries* very numerous, pedicel'd, two-seeded. S.

*discreta.* UNONA. *discret.*









