B.M. Botanical Magazine.
E.B. English Botany.
D.B. Denarologia Britannica.
A SYSTEM OF VEGETABLES, IN TWO VOLUMES.
A SYSTEM OF VEGETABLES, ACCORDING TO THEIR CLASSES ORDERS GENERA SPECIES WITH THEIR CHARACTERS AND DIFFERENCES. IN TWO VOLUMES.

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.

VOL. I. By a Botanical Society, at LICHFIELD.

LICHFIELD: PRINTED BY JOHN JACKSON, FOR LEIGH AND SOTHEBY, YORK STREET, COVENT GARDEN, LONDON. MDCCLXXXIII.
To Sir JOSEPH BANKS, Bart.

President of the Royal Society.

S I R,

T H E 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 resistible, 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.

THE 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.
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 entirely 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 Vegetabilium* 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 *im-palement*; 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; *flamen* for chive; *pifil* 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 *Amoenitates Academicae*.

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. Rosseau, 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, silique, 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 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
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 astro-
nomic characters with all the numerous capital and
italic types, which are used in the original.

As Linneus formed numerous diminutive and com-
pound 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 spathelet, tube
tubelet, crown coronet, calyx calycle; of such dimi-
nutives the words tablet, circlet, bracelet, ringlet,
rivulet, icicle, particle, are examples in daily use.
Some of the common diminutive adjectives of the La-
tin, and those formed by the preposition sub, whose
correspondent word in English would not allow of the
termination /sub/, were found more difficult to manage
without periphrases, as subramosus thinly-branched.
Where they were evidently derived from the Latin lan-
guage, we have sometimes retained the particle sub.

We come now to those numerous compound words
constituted by our author in so artful a manner, as to
depict a 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; 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 hardness; 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, serratum, bafilatum, 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
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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 bina, terna, 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, andidymus 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.
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 everywhere 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, burthen-some; 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 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 *biseternatum* and *triseternatum* 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 VEGETABILIUM** 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 Polygama, 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
PREFACE of the TRANSLATORS.

the Universities of Oxford, Cambridge, and Edinburgh; Dr. Sibthorpe; Rev. T. Martin; Dr. Hope; Mr. Wheeler, Botanic Lecturer to the Apothecaries Company; Mr. Foxley, President of the Botanical Society, at Manchester; Dr. Poulteny, F. R. S. Author of a General View of the Writings of Linneus; Mr. W. Hudson, Author of the Flora Anglica; Rev. J. Lightfoot, Author of the Flora Scotica; Mr. Lee, Author of the Introduction to Botany; the learned and ingenious Ladies Mrs. Egerton, Oulton-Park, Cheshire; Mrs. Blackburne, Orford, Lancashire; and Mrs. Cummins, Kensington. Drs. Duncan and Hutton, Edinburgh; Dr. Percival, Manchester; Dr. Oakes, Mansfield; John Pitchford, und John Crowe, Esqrs. Norwich; R. Calvert, Esq; Lincoln's-Inn; Rev. Dr. Goodenough, Ealing; John Sneyd, Esq; Belmont, Staffordshire; Dr. Aldrich, Cocklow, Nottinghamshire; Dr. Evans, Shrewsbury; Rev. G. Jackson, Penningbridge, Lancashire. Rev. Mr. Davy, Milham, Norfolk; T. Woodward, Esq; Bungay, Suffolk; John Houghton, Esq; Baguley, Cheshire; Rev. Mr. Dickinson, Blymbill, Staffordshire; Mr. Wm. Alexander, Halifax; Rev. W. Pashly, Balbro', Derbyshire; and many other of the learned and ingenious.
BOTANIC TERMS

AND

DEFINITIONS.
BOTANIC TERMS

AND

DEFINITIONS.

ROOT, (radix) an organ nourishing the plant.

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

Figure.
4 Fibrous, (fibrofa) consisting entirely of threads.
5 Branchy, (ramoja) subdivided into fibres.
6 Spindle-form, (fusiformis) simplisf tapering.
7 End-bitten, (premorfa) 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, (globofa) roundish (156) with lateral rootlets.
12 Tuberous, (tuberofa) fleshy parts connected at the base by a thread.
13 Fasicled, (fasicularis) fleshy parts connected at a sessile (148) base.
14 Handed, (pahmata) fleshy lobed. (182)
15 Bulbous, (bulbofa) 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 grusses.
19 Scape, (scapus) elevating the fructification, but not the leaves.
20 Stipe, (stipes) a trunk becoming leaves.
BOTANIC TERMS

Duration.
21 Herbageous, (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 Arboreous, (arboresus) perennial with a simple stock.

Substance.
25 Solid, (solidus) filled full within.
26 Empty, (inanis) spungy internally with pith.
27 Pipled, (pilulofus) tubular within.

Direction.
28 Erect, (erectus) raising itself almost perpendicularly.
29 Straight, (stiricus) 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 Procurvante, (procumbens) weak, supported on the earth.
39 Stole-bearing, (stoloniferus) giving out scions from the root.
40 Sarmentous, (sarmentofus) thread-form with root-fricking branches.
41 Creeping, (repens) lying on the earth and fricking 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.

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.

Acute-angular, (acutangulus) from the figure of the angles.
52 Three-corner'd, (trigonus) with three prominent longitudinal angles.
53 Three-sided, (triangulus) with three sides exactly flat.

Cloathing
CLOTHING.

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, (rubrofuscus) cloathed with an exterior bark, softer but not elastic.
61 Chinky, (rimosus) spontaneously forming cracks in the exterior bark.
62 Coated, (tunicatus) cloathed with membranes.
63 Polish'd, (latus) with an equal surface.
64 Striated, (striatus) engraved with very fine hollow lines.
65 Furrow'd, (falcatus) ploughed with deep lines.
66 Smooth, (glaber) 213.
67 Rugged, (sacer) 240.
68 Murex'd, (muratus) sprinkled with awl-shape points.
69 Downy, (tomentosus) 235.
70 Villous, (villosus) 234.
71 Hirsut, (hirsutus) 241.
72 Prickly, (aculeatus) 242.
73 Thorny, (spinifus) armed with spines. 384.
74 Stinging, (urens) sprinkled with stings. 391.
75 St. pined, (stipulosus) having stipules. 291.
76 Membranous, (membranatus) flattened like a leaf.
77 Bulb-bearing, (bulbiferus) producing bulbs, 653.

STRUCTURE.

78 Knotless, (enodos) 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-armed, (brachiatus) with branches opposed cross-wise.
86 Somewhat-branchy, (subramosus) with very few lateral branches.
87 Branchy, (ramosus) with many lateral branches.
88 Very branchy, (ramossimus) thronged with many branches without order.
89 Twiggy, (virgatus) with weak unequal branchlets.
90 Panicled, (paniculatus) with branches variously subdivided.
91 Level-top'd, (fasfiliatus) with branches of equal height.
92 Expanding, (patens) (131.) 93 Divaricated, (divaricatus) (103)

BRANCHES, (rami) parts of the stem.
94 Alternate, (alterna) (113) 95 Two-rank'd, (distichia) (114) 96 Scatter'd, (sparsi) (116).
99 Verticill'd, (verticillati) many surrounding the trunk at the joints.
100 Erect, (erecti) (127).
101 Confluent, (confuentia) 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 Reflect, (reflexi) hanging perpendicularly.
106 Retract, (retracti) this way and that way distorted.
107 Propped, (fulcrati) (289) furnished with props.

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

Determination: Place.
108 Radical, or root-leaf, (radicale) fitting on the root.
109 Stem-leaf, (caulinum) inserted on the stem.
110 Branch-leaf, (rameum) fitting 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, (conferta) numerous almost hiding the whole branch or stem.
118 Imbricated, (imbricata) covering half of each other.
119 Fasicled, (fasiculata) many from the same point at the joint of the branches.
120 Two-fold, three-fold, five-fold, &c. (bina, terna, quina, &c.) according to the number at the joints of the branches.
121 Confluent, (confuentia) cohering together at the base.
122 Approximated, (approximata) coming very near each other.
123 Remote, (remota) distant from each other.

124 Opposite
AND DEFINITIONS.

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

Direction.

127 Erect, (erectum) rising almost to a perpendicular.
128 Straight, (striatum) 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 Recurvat, (recurvatum) bent down so that the arch looks upwards.
137 Revolute, (revolutum) bent spirally.
138 Dependent, (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 Refupine, (reformatum) the upper side being under, and the under
side uppermost.
143 Immerced, (immersum) hid under the surface of water.
144 Swimming, (natans) lying on the surface of the water.
145 Rooting, (radicans) striking roots.

Insertion.

146 Petoled, (petiolatum) a petiole (292) inserted at the base.
147 Targeted, (peltatum) the petiole inserted into the disk of the leaf.
148 Selfile, (selle) 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 Decurcive, (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
xx.

**BOTANIC TERMS**

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, (acerifum)* linear, (167) permanent, (272).

**Angles.**

169 *Intire, (integrum)* undivided without any hollow.

170 *Triangular, &c. (Triangularis, &c.)* according to the number of angles.

171 *Delta-like, (deltoideum)* rhomb-form (172) of four angles, of which the collateral ones are less remote from the base than the others.

172 *Rhombic, (rhombicum)* the form of a rhombus.

173 *Trapezoe-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*
AND DEFINITIONS.

177 Arrow'd, (fagittatum) triangular, with posterior acute angles divided by an interstice.

178 Halberted, (haflatum) 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, (fijfum) divided by linear hollows, with straight edges.

182 Lobed, (lobatun) divided by the middle into distant parts.

183 Twice-fivecleft, (bi-quinque, dum) 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 transversely into segments, of which the inferior less ones, are more remote.

187 Feather-cleft, (Pinnatifidum) divided transversely into horizontal oblong segments.

188 Sinuous, (finuatum) with wide hollows on the sides.

189 Jagged, (laciniatum) cut into various and indeterminate parts.

190 Ragged, (squarrofum) 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, (serratum) 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, (spinifun) awl'd, rigid prickly points on the margin.

197 Grisly, (cartilageum) with a boneyish margin.

198 Scalloped, (repandum) the margin winding yet flat.

199 Thorn, (laccrum) the margin variously divided in different shaped segments.

200 Gnaw'd, (erosion) sinuous (188) with very small obtuse hollows, and with equal segments.

TOP.

231 Deased, (daedaleum) 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.
BOTANIC TERMS

Retuse, (retusum) terminated with an obtuse hollow.
End-bitten, (praemorsum) terminated obtusely, with unequal divisions.

Lop'd, (truncatum) terminated with a transverse line.

End-bitten, (pramorsum) terminated obtusely, with unequal divisions.

Lop'd, (truncatum) terminated with a transverse line.

Acute, (acutum) terminated with an acute angle.

Painted, (acuminatum) terminated with an awl'd point.
Piked, (acuminatum) terminated with a bristly point.

Dagger'd, (mucranatum) terminated with a dagger standing out.

Tendril'd, (circrhusum) terminated with a tendril.

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

Naked, (nuhtum) defitute of hairs or bristles.
Smooth, (glabrum) with a slippery surface.
Gleamy, (mitidum) with a shining smoothness.

Bright, (lucidum) as if illuminated.

Coloured, (coloratum) with any colour but green.

Nervy, (nervosum) with very simple veins from the base to the point.

Three-nerved, (trinervatum) nerved with three nerves meeting together at the base of the leaf.

Three-nerved, (trinervatum) nerved with three nerves meeting together above the base of the leaf.

Three-nerved, (trinervatum) nerved with three nerves meeting together behind the base of the leaf.

Nervedless, (enervat) opposed to nerved. (217 220.)

Lined, (lineatum) with depressed nerves.

Striated, (striatum) with parallel lines slightly hollow'd.

Furrow'd, (ruleatum) with deep hollow lines.

Veined, (venosum) with vessels variously divided.

Wrinkled, (rugosum) full of wrinkles.

Bubbled, (bullatum) form'd from a wrinkled (226) leaf, the veins being contracted on the other side.

Pitted, (lacunosum) the disk being depressed between the intersecting veins.

Veined, (avenae), opposed to veiny. (225.)

Dotted, (punctatum) prinkled with hollow points.

Papillous, (papillosum) covered with fleshy points.
Pimply, (papulosum) covered with little blisters.

Vifcid, (vifcidum) smeared with a tenaceous moisture.

Villous, (villosum) covered with soft hairs.

Downy, (tomentosum) covered with an undiscernable intertexture of hairs.

Silky, (sericeum) covered with very soft close-pressed hairs.
AND DEFINITIONS.

237 Woolly, (lanatum) cloathed 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 stiilish points.
241 Hispid, (hispidum) besprinkled with stiill bristles.
242 Prickly, (aculeatum) armed with prickles. (378.)
243 Lance-prickled, (lirigosum) with lanced (165.) stiill (30.) prickles.

EXPANSION.

244 Flat, (planum) with an equal surface.
245 Channel'd, (canaliculatum) longitudinally hollow'd with a deep furrow.
246 Concave, (concavum) 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 Cow'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, (scariousum) the substance dry, parch'd founding to the touch.
254 Gibbous, (gibbum) both surfaces being convex, containing a more copious plup.
255 Columnar, (tereis) almost cylindrical.
256 Depress'd, (depressum) a pulpy (261) leaf, the disk more flatten'd than the sides.
257 Compress'd, (compresium) 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, (compatlum) consisting of solid substance.
260 Tubular, (tubulofum) internally concave or empty.
261 Pulpy, (pulposum) filled with a tenaceous material.
262 Fleisty, (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.

* D 2

265 Tongued,
xxiv.  **BOTANIC TERMS**


266 **Sword-form**, *(enfiforme)* two-edged *(264)* gradually lessening from the base to the top.

267 **Awl'd**, *(fululatum)* linear at the base, lessening towards the top.

268 **Scymsier-form**, *(acinaciforme)* comprefl'd *(257)* fleshy *(262)* with one edge convex, narrow, the other straighter thicker.

269 **Axe-form**, *(dolabrifo.* me) comprefl'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**, *(perissiens)* not falling when the summer is over.

273 **Perennial**, *(perenne)* living through some years.

274 **Evergreen**, *(fempervirens)* flourishing through all seasons of the year.

**Composition.**

275 **Compounded**, *(compostum)* 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**, *(pinnatnm)* 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.

**decursive**
AND DEFINITIONS.

Decurfive, (decurvis) 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, (biteminatum) 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 summit, 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.

Supports (fulera) assistances for the more commodious support of the plant.
290 Petiole, (petiolus) a prop supporting the leaf.
291 Stipule, (stipula) a scale standing at the base of the rising leaf-stalk.
292 Tendril, (cirrhus) a spiral threadform band, by which a plant is tied to other bodies.
293 Pubescence, (pubes) every kind of hairyness of plants.
294 Arms, (arma) points preventing animals from injuring the plants.
295 Bract, (bractea) floral leaf (112) differing in appearance from other leaves.
296 Peduncle, (pedunculus) a prop sustaining the fructification.

PETIOLE.

Figure.
297 Linear, (linearis) (167)
298 Wing’d, (alatus) dilated at the sides.
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, (triqueter) (53)

Size.
304 Very short, (brevissimus) not reaching by much the length of the leaf.
305 Short, (brevis) not reaching the whole length of the leaf.
306 Middle size, (mediocris) as long as the leaf.
307 Very
Ml, BOTANIC TERMS.

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

INSERTION.

309 Inserted, (infertus) fitting perpendicularly on the branch.
310 Adjourn'd, (adnatus) (149.)
311 Decurrent, (decurrens) (151)
312 Stem-clapping, (amplexicaulis) (152.)
313 Appendaged, (appendiculatus) with leafy films at the base.

DIRECTION.

314 Erect, (erectus) (127)
315 Expanding, (patens) (131).
316 Arising, (erigens) (133.)
317 Recurved, (recurvatus) (136.)

SURFACE.

318 Smooth, (glaber) (213.)
319 Prickly, (acutus) (212.)
320 Naked, (audus) (212.)
321 Jointed, (articulatus) (32.)
322 Spinecent, (spinecentes) growing hard and sharp.

STIPULES, (stipulae.)

323 Double, (geminæ) two and two in pairs.
324 Solitary, (solitariae) simple, scatter'd.
325 Lateral, (lateralis) inserted on the sides.
326 Behind the leaf, (extrafoliacea) placed beneath the leaf.
327 Before the leaf, (intrafoliacea) placed above the leaf.
328 Leaf-opposed, (oppositifolia) placed opposite on the side of the leaf.
329 Falling, (caducae) (271) 330 Deciduous, (deciduæ) (270.)
330 Permanent, (persistentes) remaining after defoli-ation.
332 Spinecent, (spinecentes) (322). 333 Sejfile (sejfiles) (148.)
334 Adjourn'd, (adnatae) (149.) 335 Decurrent, decurrentes) (151.)
336 Sheathing
AND DEFINITIONS.

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, (ereclae) (127.)
342 Expanding, (patentes) (131.) 343 Very intire, (integerrimae) (191.)
344 Saw’d, (ferratae) (193.) 345 Fringed, (ciliatae) (194.)
346 Tooth’d, (dentatae) (195.) 347 Cleft, (fissa) (181.)

TENDRIL, (cirrus.)

348 Axillary, (axillaris) (111.)
349 Leaf-tendril, (foliariis) growing on the leaf.
350 Petiole-tendril, (petiolaris) fitting on the petiole (290.)
351 Peduncle-tendril, (peduncularis) fitting on the peduncle. (296.)
352 Simple, (simplices) 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 briskly.
358 Wool, (lana) curved dense hairs.
359 Beard, (barba) parallel hairs.
360 Down, (tomentum) soft interwoven hairs scarcely discernable.
361 Lance-bristles, (frigae) 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, (plumosa) compounded hagg-  
367 Star’d, (stellatae) disposed decussately.  
368 Hooks
BOTANIC TERMS.

368 Hooks, (hami) daggers pointed curved.
369 Barbs, (glochides) daggers bent back at the top.
370 Gland, (glandula) a teat excreting a fluid.
371 Bladder, (utriculus) a vesSEL filled with a secreted fluid.

372 Leaf-bladders, (foliaceae) 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, (glutinositas) 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, (furcae) prickles divided into many.
383 Two-cleft, & three-cleft, (bifida & trifidae) 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, (limuli) daggers producing inflammatory punctures.

BRACTS, (bractae) leaves of the following year.
392 Colour'd, (coloraceae) (216.) 393 Falling (caduceae) (271.)
393 Deciduous, (deciduae) (270.) 395 PermanenT, (perforata) (272.)
396 Tuft
Tuft, (coma) bracts terminating the stem, remarkable for their size.

**PEDUNCLE.**

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

Common, (communis) common to many flowers.

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

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

**PLACE.**

Radical, (radicalis) (108.)

Branch-scape, (rameus) (110.)

On the petiole, (petiolaris) (350.)

Tendril-bearing, (cirrhiferus) (292.)

Terminal, (terminalis) (385.)

Axillary, (axillaris) (111.)

Leaf opposite, (oppositifolius) (328.)

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

Before the leaf, (interfoliaceus) (327)

Behind the leaf, (extrafoliaceus) (326.)

**SITUATION.**

Alternate, (alternus) (112.)

Opposite, (oppositus) (124.)

Verticill'd, (verticillatus) (99.)

**NUMBER.**

Solitary, (solitarius) (324.)

Double, (geminatus) (323.)

Seffile umbellet, (umbellula seffilis) many peduncles proceeding from the same center with an equal circumference.

**DIRECTION.**

Appress'd, (adpressus) (130.)

Erect, (erectus) (127.)

Expanding, (patens) (131.)

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

Refusine, (refusinus) (142.)

Declin'd, (declinatus) (34.)

Nodding
BOTANIC TERMS.

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, (strixilis) (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 Bracted, (bracteatus) furnished with a bract.
444 Knotted, (geniculars) (43.) 445 Jointed, (articulatus) (82.)

446 INFLORESCENCE, (inflorescencia) is the manner in which flowers are joined to their peduncles.

447 VERTICAL, (verticillus) many flowers surrounding the stem like a ring.

448 Sejfted, (sejftis) without apparent pedicils.
449 Peduncled, (pedunculatus) with peduncles elevating the flower.
450 Naked, (nudus) opposed to 451, 452.
451 Involute, (involucratus) furnished with an involucrure.
452 Bracted, (bracteatus) (443.)
453 Crowded, (conflorus) the peduncles near together (117.)
454 Distant, (distantis) the peduncles remote.

455 HEAD
AND DEFINITIONS.

**455 HEAD,** (capitulum) with many flowers collected in a globe.

**456 Roundish,** (sabrotundum) almost globular, (457)

**457 Globular,** (globesium) round on all sides.

**458 Halved,** (dimidiatum) round on one side flat on the other.

**459 Leafy,** (folisium) leaves intermixed with the flowers.

**460 Naked,** (nudum) defitute of leaves and bristles.

**461 Fascicle,** (fasicculus) 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,** (ventricofa) gibbous on the sides (254)

**468 Cylindric,** (cylindrica) tapering. One-rank'd, (secunda) means the above halved.

**469 Interrupted,** (interrupta) with leaf 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,** (foiacea) divided by leaves.

**476 Tufted,** (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,** (thyrus) 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 inferted on one side.

**483 One-row'd,** (secundus) all the flowers bent to one side.

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**484 Footed**
BOTANIC TERMS.

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 Single, (simp lex) 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, quinquefolium) (181)
503 Two-parted, five-parted, (bipartitum, quinquepartitum) (184.)
504 Intire, (integrum) (169.)
505 Tubular, (tubulofum) (260.)
506 Expanding, (patens) (131.)
507 Reflected, (reflexion) 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
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<td>Prickly</td>
<td>(acculeatum)</td>
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<tr>
<td>514</td>
<td>Above</td>
<td>(superum) when the germ is below the receptacle.</td>
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<td>515</td>
<td>Beneath</td>
<td>(inferum) when the germ is above the receptacle.</td>
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<td>516</td>
<td>Common</td>
<td>(commune) containing many congregate flowers.</td>
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<td>517</td>
<td>Imbricated</td>
<td>(imbricatus) covered with various superimposed scales.</td>
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<td>518</td>
<td>Rugged</td>
<td>(squarrosum) with scales everywhere disjointed.</td>
</tr>
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<td></td>
<td></td>
<td><em>Parch'd</em>, (scarium) with scales at the margin membranous dry, sornor (253)</td>
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<tr>
<td>519</td>
<td>Topped</td>
<td>(tubinatum) inversely conical.</td>
</tr>
<tr>
<td>520</td>
<td>Calyced</td>
<td>(calculatum) the calyx surrounded at the base, as if with a lesser calyx.</td>
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<tr>
<td>521</td>
<td>Involucre</td>
<td>(involucrum) a calyx remote from the flower.</td>
</tr>
<tr>
<td>522</td>
<td>Universal</td>
<td>(universal) beneath an universal umbel.</td>
</tr>
<tr>
<td>523</td>
<td>Partial</td>
<td>(partiale) beneath a partial umbel.</td>
</tr>
<tr>
<td>524</td>
<td>Proper</td>
<td>(proprium) beneath each flower.</td>
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<td>525</td>
<td>Glume</td>
<td>(gluma) the calyx of grafts, with embracing valves.</td>
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<td>526</td>
<td>One-flower'd</td>
<td>(uniflora) embracing a single flower.</td>
</tr>
<tr>
<td>527</td>
<td>Many-flower'd</td>
<td>(multiflora) including many flowers.</td>
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<tr>
<td>528</td>
<td>One-valved</td>
<td>(univalvis) consisting of one valve.</td>
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<tr>
<td>529</td>
<td>Two-valved</td>
<td>(bivalvis) consisting of two valves.</td>
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<td>Many-valved</td>
<td>(multivalvis) with more than two valves.</td>
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<td>Colour'd</td>
<td>(colorata) (216.)</td>
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<td>Smooth</td>
<td>(gabra) (213.)</td>
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<td></td>
<td>Sapid</td>
<td>(sipida) (241.)</td>
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<td>534</td>
<td>Awn</td>
<td>(arifla) an awl'd dagger growing on the glume.</td>
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<tr>
<td>535</td>
<td>Awnless</td>
<td>(mutica) without a point.</td>
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<td>536</td>
<td>Terminal</td>
<td>(terminalis) fixed to the point of the glume.</td>
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<tr>
<td>537</td>
<td>Dorfal</td>
<td>(dorialis) placed on the exterior side of the glume.</td>
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<td>538</td>
<td>Straight</td>
<td>(recta) coming out perpendicularly.</td>
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<td>539</td>
<td>Twisted</td>
<td>(tortilis) bent like a cord.</td>
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<td>540</td>
<td>Knotted</td>
<td>(geniculata) (43.)</td>
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541 Recurved, (recurvata) (136.)

542 Ament, (amentum) from a chaffy buddy common receptacle. (633)

543 Spatha, (spatha) a calyx bursting longitudinally.

544 One-valved, (univalvi) gaping on one side.

545 Halved, (dimidata) covering the fructification only with the interior side.

546 Calyptre, (calyptra) a cow'd calyx of MOSS covering the anther.

547 Straight, (recta) every where equal.

548 Oblique, (obliqua) bent to one side.

549 Volve, (volua) 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 Claw, (unguis) the inferior 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, (inequalis) the parts corresponding not in magnitude, but in proportion.

561 Globular, (globosa) like a globe.

562 Bell'd, (companionata) 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
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, (persinata)* 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 *Papilionaceus, (papilionacea)* irregular, with the inferior petal boat-form, (the keel) (carina) the upper one ascending, (the banner) (vexillum) the lateral ones solitary, (the wings) (ala.)

573 *Compound, (composita)* confisting 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 *Radicated, (radiata)* the corollets of the disk tubular, but those of the circumference mis-shapen 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. (flamen)** an organ for the preparation of the dust.

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

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

583 *Unequal, (inaequalia)* 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 *Disjoin't, (disjoin'ta)* not cohering together.

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

588 *Dust*
588 Duft, (pollen) the dust of the flower, to be burst by moisture, throwing out elastic atoms, the origin of the plant. An organ adhering to the fruit for the reception of the dust, constituting the female.

589 PISTIL, (pistillum) the dust of the flower, to be burst by moisture, throwing out elastic atoms, the origin of the plant. 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 Valvulet, (valvula) the coat, by which the fruit is covered externally.

598 Cell, (loculamentum) a hollow chamber as a place for the seeds.

599 Partition, (dissepimentum) 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, (tricocca) a capsule protuberant with three knots, and divided within into three cells.

603 Twin, (didyma) a capsule gibbous with two knots.

604 Silique, (siliqua) a two-valve pericarp, the seeds being fixed along the futures.

605 Comprest'd, (compressa) the opposite sides approaching near together.

606 Protuberant, (torulosâ) here and there gibbous with prominent parts.

607 Jointed, (articulata) intercepted with tight knots.
608 Parallel partition, (parallelum disseptimentum) approaching the valvelets by its breadth and by its transverse diameter.

609 Transverse partition, (transversum disseptimentum) 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 ishmuses, (isminis 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 future.

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 throughout 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.

Plumelet, (plumula) part of the corcle scaly, ascending.

Rosiel, or Beak, (rostellum) part of the corcle simple descending.

Cotyledon, (cotyledon) the lateral body of the seed bilobal 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, (spiripatus) by a thread elevating and connecting the tuft and seed.

626 Capillary
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,
AND DEFINITIONS.

648 Partial, (partialis) an umbellet part of an universal one.

649 Proliferous, (prolifera) an umbel more than decompounded.

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 threbbly 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, (quamatus) with imbricated scales.

657 Stem-bulb, (caulinus) growing on the stem.

petiole-bulb, (petiolaris) from the rudiments of a petiole.

stipule-bulb, (stipularis) made from 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,
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 shows a different leaf.

665 Plaited, (plicatum) bent into various folds.

666 Spiral, (cininale) bent into a transverse spiral line, so that the point is in the center.

MEASURES.

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, (spithamaeus) the space between the points of the thumb and the first finger when extended.

672 A Span, (dextrantalis) the space between the points of the thumb and last 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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ERRATA

In the Botanic Terms.

Number 29, 128, 429, read upright, (stricta) instead of straight.
190, read not parallel to the plane.
279, read twofold, (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, (bracteae) for Bracts, (bracteae).
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 bina, terna, quaterna, &c. instead of the passage as it there stands.

Page x. after line 10 add, 'which ambiguities are avoided in the translation'.

VEGETA-
PLATE I.

SIMPLE LEAVES.

Fig.
1. Orbicular, (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, (fusulatum)
10. Hearted, (cordatum)
11. Moon’d, (lunulatum)
12. Triangular, (triangulare)
13. Arrow’d, (fagiatatum)
14. Heart - arrow’d, (cordato-fagiatatum)
15. Halberted, (biflatum)
16. Cleft, (fissum)
17. Three-lobed, (trilobum)
18. End-bitten, (praemorsum)
19. Lobed, (lobatum)
20. Five-angled, (quinquangulare)
21. Gnaw’d, (erofum)
22. Handed, (palmatum)
23. Feather-cleft, (fusulatidum)
24. Jagged, (laciniatum)
25. Sinuous, (finatum)
26. Tooth - finuous, (dentatus-finatum)
27. Sinuous backwards, (retrorsum finatum)
28. Parted, (partitum)
29. Scollop’d, (repandum)
30. Tooth’d, (dentatum)
31. Saw’d, (ferratum)
32. Double-saw’d, (duplicato-ferratum)
33. Double - notch’d, (duplicato-crenatum)
34. Cartilaginous, (catilagineum)
35. Acutely notch’d, (acute crenatum)
36. Obtusely notch’d, (obtuse crenatum)
37. Plafted, (plicatum)
38. Notch’d, (crenatum)
39. Curl’d, (crispum)
40. Obtuse, (obtusum)
41. Acute, (acutum)
42. Pointed, (acuminatum)
43. Obtuse with a point, (obtusum acumin)
44. End-nick’d acutely, (emarginatum acute)
45. Wedge-form end-nick’d, (cuneiforme emarginatum)
46. Retufe, (retusum)
47. Hairy, (pilofum)
48. Downy, (tomentofum)
49. Hifpid, (bifidum)
50. Fringed, (ciliatum)
51. Wrinkled, (rugofum)
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, (tripecrum)
60. Channel’d, (canaliculatum)
61. Furrow’d, (falcatum)
Fig.

63. **TWO'D**, (binatum)

64. Three’d with sessile leaflets, (ternatum foliolis 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: ———-tendril’d, (———cirrhoium)

73. ———-pair’d, (———conjugatum)

74. ———-decursively, (———decursive)

75. ———-jointedly, (———articulate)

76. Lyred, (lyratum)

77. Thrice threefold or the square of three, (*bitematum, duplicato-pinamat*)

78. Twice-feather’d, double feather’d, (*bipinnatum, duplicato-pinna-tum*)

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)
PLATE III.

DETERMINATE LEAVES.

Fig.

82. **Inflected**, (inflexum)
83. Erect, (ereétum)
84. Expanding, (patens)
85. Horizontal, (horizontale)
86. Reclined, (reclinatum)
87. Revolute, (revolutum)
88. Seminal, (sémínale)
89. Stem-leaf, (caulinum)
90. Branch-leaf, (rameum)
91. Floral, (florale)
92. Targetted, (peltatum)
93. Petoled, (petiolatum)
94. Seffile, (seffile)
95. Decurrent, (decurrens)
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, (acerofa)
106. Imbricated, (imbricata)
107. Fascicled, (faéficulata)
108. Frond, (frons)
109. Spatuled, (spathulatum)
110. Parabolic, (parabolicum)
PLATE IV.

STEMS.

Fig.

111. **Scale** stem, (*squamosus* caulis)
112. Creeping stem, (*repens* caulis)
113. Scape, (*scapus*)
114. Jointed stem, (*articulatus* caulis)
115. Twining stem, (*volubilis* caulis)
116. Two-forked stem, (*dichotomus* caulis)
117. Cross-arm'd stem, (*brachiatius* caulis)
Fig.

118. a. **TENDRIL**, (Cirrhus)
   b. Stipules, (stipulae)
   c. Concave Glands, (Glandulae concaveae)

119. Pedicel'd glands, (Glandulae pedicellatae)

120. a. Bracte, differing from leaves, b. (Bractea)

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)
 Nulla est in hac pagina legibilis textus.
PLATE VI.

ROOTS.

Fig.

125. SCALY bulb of the lily (bulbus squamosus)
126. Solid bulb, (bulbus solidus)
127. Coated bulb transversely dissected, (bulbus tunicatus)
128. Tuberous root of Filipendula, (tuberosa radix)
129. Spindle-form root of Carrot, (Fusiformis radix)
130. Branchy root, (ramosae radix)
131. Creeping root, (repens radix)
PLATE VII.

PARTS OF THE FLOWER.

Fig.

132. SPATHE, the Calyx of Narcissus, (Spatha, calyx Narcissi)
133. Spathe, Spadix (Spatha, Spadix)
134. a. Glume calyx. b. Awn, (Gluma calyx. b. Arita)
   c. Universal Involucrum, d. Partial one. (Involucrum universale. d. partiale.)
136. c. Calyptra; b. Lid. a. Head. (Calyptra; b. Operculum. a. Capitulum.)
137. Ament, (amentum.)
138. Strobile, (strobilus)
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 (Corolle monopetala.)
144. a. Claws (ungues): c. Folds (Laminæ) of a many-petal’d corol. (Corolæ polypetala.)
145. Bell’d Nectary in Narcissus. (Nectarium campa-
   nulatum.)
146. Horn’d Nectaries in Aconitum. (Nectaria cornu-
   tata.)
147. Horn’d Nectary in the Calyx of Tropæolum.
PLATE VIII.

PARTS OF THE FRUCTIFICATION.

Fig.


151. a. Dust (Pollen) seen in the microscope. b. Elastic vapour. (Halitus elásticus.)


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).


158. Berry, (Bacca.)

159. Capsule gaping at top. (Capsula apice debifcenta.)


161. a. Capsule longitudinally dissected, that the receptacle of the Seeds may appear.

PLATE IX.

THE PEDUNCLE.

Fig.

163. Corymbe, (corymbus)
164. Raceme, (racemus)
165. Spike, (spica)
166. Verticil, (verticillus)
167. Panicle, (panicula)
168. Fascicle (fasciculus)
PLATE X.

FOLIATION.

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.)

MEASURE.

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

[Various ornamental designs and illustrations]

[Scale and measurements]
PLATE XI.

THE CLASSES.

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, (fingenesia)
20. Feminine Males, (gynandria)
21. One House, (monoezia)
22. Two Houses, (disectia)
23. Polygamies, (polygania)
24. Clandestine Marriages, (cryptogamia)
ALPHABETICAL INDEX
OF
LATIN TERMS,

With their Translations.

A.
Abbreviatus, abbreviated
Abrupte, abruptly
Acerofus, awny
Acinaciformis, scymter-form
Aculeatus, prickly
Aculei, prickles
Acuminatus, pointed
Acutangulus, acutangular
Acutus, acute
Adnatus, adjoined
Adpressus, appres'd
Adversus, south-turn'd
Æqualis, equal
Aggregatus flos, aggregate flower
Alæ, wings
Alatus, winged
Alternus, alternate
Amentum, ament
Amplexicaulis, stem-clasping
Anceps, two-edged
Angulatus, angled
Annuus, annual

Anthera, anther
Apex, top
Aphyllus, leafless
Appendiculatus, appendaged
Approximatus, approximated
Arboreus, arborefcent
Arillus, aril
Arista, awn
Arma, arms
Articulatus, jointed
Ascendens, ascending
Assurgens, arifing
Attenuatus, tapered
Avenis, veinless
Axilla, axil
Axillaris, axillary.

B.
Bacca, berry
Barba, beard
Barbatus, bearded
Bicapsularis, two-capsuled

Biennis,
INDEX.

Biennis, biennial
Bifarius, two-faced
Bifarias, two-ways
Bifidus, two-cleft
Bigeminus, twice-double
Bijugus, twice-paired
Bilocularis, two-celled
Binatus, two’d
Bini, two-fold
Bipartitus, two-parted
Bipinnatus, twice-feathered
Biquinquefidus, twice-five-cleft
Bisetimatus, thrice-three’d
Bivalvis, two-valved
Brachiatus, cross-valved
Bracteae, bracte
Bracteatus, bract’d
Brevis, short
Brevissimus, shortest
Bulbosus, bulbous
Bulbus, bulb
Bullatus, bubbled.

C.

Caducus, falling
Calycinus, on the calyx
Calyculatus, calyced
Calycus, calyx
Calyptra, calyptrae
Calyx, calyx
Campanulatus, bell’d
Canaliculatus, channel’d
Capellaris, capillary
Capitulum, head
Capsula, capsule
Carinae, keel
Carinatus, keel’d
Carneus, 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, tendril-bearing
Cirrhosus, tendril’d
Cirrus, tendril
Clavatus, clubbed
Coarctatus, coadjoined
Coloratus, coloured
Communis, common
Comosus, tufty
Compactus, compact
Compositus, compounded
Compresus, compressed
Concaucus, concave
Confluent, confluent
Confluentia, confluent
Conicus, conical
Conjugatus, pair’d
Connatus, conjoined
Convexus, convex
Convolutus, convolute
Corculum, corcle or heart
Cordatus, hearted
Cordato-fagittatus, heart-arrow’d
Corolla, corol
Corona, crown
Corticalis, cortical, barksy
Corymbus, corymb
Cotyledon, cotyledon
Crenatus, notched
Cripus, curled
Cruciatus, cross’d
Cucullatus, cowl’d
Cuneiformis, wedge-form
Culmus, culm
Cum impari, with an odd one
Cuspidatus, piked
Cylindricus, cylindric
Cyma, cyme.

D.
INDEX

D.

Daedaleus, dædal
Deciduus, deciduous
Declinatus, declined
Decurrent, decurrent
Decurrianus, decursive
Decussatus, decussated
Delexus, deflecting
Delicatus, delta-like
Dentatus, tooth-like, tooth'd
Denticulation, fine-tooth'd
Dependenus, ascending
Depressus, depressed
Dextrorotianus, from the right
Dichotomus, two forked
Diometus, ruinus
Diffusus, spreading
Digitatus, fingered
Dimidiatu, haived
Diffusus, diffused
Difformis, two-ranked
Divergent, diverging
Divisus, divided
Dolabriformis, axe-form
Dorantalis, a span
Doros, dorsal, on the back
Drupa, drupe.

E.

Elasticus, elastic
Ellipticus, elliptical
Emarginatus, end-nick'd
Encervis, nervelefs
Enodis, knotlefs
Ensiformis, fword-form
Equitans, equitant
Erectus, erect
Erosus, gnaw'd
Extraloliaceus, behind the leaf.

F.

Fassiculaticus, fascicled
Fassiculatus, fascicled
Fassiculus, fascicle
Faftigiatus, level-topp'd
Faux, throat
Fibrousus, fibrous
Filamentum, filament
Filiaformis, thread-form
Flusus, left
Fiftuosus, piped
Placcidus, flaccid
Flexuosus, winding
Floralis, floral
Flos, flower
Foliacei utriculi, leaf-bladders
Foliaceous, belonging to the leaf,
leafy
Foliarias cirrus, leaf-tendril
Foliarias bulb, leaf-bulb
Foliarias, on the leaf
Foliatus, leaved, leafy
Foliculus, folicle
Foliolis opposit, with leaflets opp-posit
Foliolis ruftis, with interrupted leaflets
Folius, leafy
Folium, leaf
Frons, frond
Fructification, fruclification
Fruticosus, shrubby
Fulcratus, propped
Fulcrum, support
Furca, fork
Fusiformis, spindle-form.

G.

Galea, helmet
Gemma, bud
Geniculatus, knotted
Gibbus, gibrous

* H 2

Gaber
<table>
<thead>
<tr>
<th>English</th>
<th>Latin</th>
</tr>
</thead>
<tbody>
<tr>
<td>Glaber, smooth</td>
<td>Glandula, gland</td>
</tr>
<tr>
<td>Glandula, gland</td>
<td>Glandula, gland</td>
</tr>
<tr>
<td>Globosus, globular</td>
<td>Glomeratus, glomeratus</td>
</tr>
<tr>
<td>Glochides, barbs</td>
<td>Glomoratus, glomerate</td>
</tr>
<tr>
<td>Gluma, glume</td>
<td>Glutinosities, glutinosity</td>
</tr>
<tr>
<td>Granulatus, granulated</td>
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<tr>
<td>H.</td>
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<tr>
<td>Halitus, vapour</td>
<td>Halitus, vapour</td>
</tr>
<tr>
<td>Hamosus, hooked</td>
<td>Hamus, hook</td>
</tr>
<tr>
<td>Haftatus, halberted</td>
<td>Herbaeaeus, herbaceous</td>
</tr>
<tr>
<td>Herbaceaeus, herbaceous</td>
<td>Hilum, bile</td>
</tr>
<tr>
<td>Hilum, bile</td>
<td>Hipidus, bispid</td>
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<tr>
<td>Horizontalis, horizontal</td>
<td></td>
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<tr>
<td>I.</td>
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<tr>
<td>Imbricatus, imbricated</td>
<td>Imbricatus, imbricated</td>
</tr>
<tr>
<td>Impar, odd</td>
<td>Inaequalis, unequal</td>
</tr>
<tr>
<td>Inanus, empty</td>
<td>Incrassatus, thickened</td>
</tr>
<tr>
<td>Incrassatus, thickened</td>
<td>Incurvatus, incurvate</td>
</tr>
<tr>
<td>Incurvarus, incurvate</td>
<td>Infestus, beneath</td>
</tr>
<tr>
<td>Inflatus, inflated</td>
<td>Inflectus, inflccted</td>
</tr>
<tr>
<td>Inflorefcentia, inflorence</td>
<td>Infundibuliformis, funnel-form</td>
</tr>
<tr>
<td>Infertus, inserted</td>
<td>Integer, intire</td>
</tr>
<tr>
<td>Integer, intire</td>
<td>Intergerimus, most intire</td>
</tr>
<tr>
<td>Integrius, intire</td>
<td>Interruptus, interrupted</td>
</tr>
<tr>
<td>Interrufiatus, before the leaf</td>
<td>Involutarius, involuered</td>
</tr>
<tr>
<td>Involuteus, involucrata</td>
<td>involucrum, involucere</td>
</tr>
<tr>
<td>Irregularis, irregular</td>
<td>Involutus, involute</td>
</tr>
<tr>
<td>Irthmis interceptus, intercepted with interthmus</td>
<td>Labium, lip</td>
</tr>
<tr>
<td>L.</td>
<td></td>
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<tr>
<td>Lacter, torn</td>
<td>Lacinia, jagged</td>
</tr>
<tr>
<td>Laciniatus, jagged</td>
<td>Lacinia, divisfions</td>
</tr>
<tr>
<td>Lacunosus, pitted</td>
<td>Lævis, polished</td>
</tr>
<tr>
<td>Lamina, fold</td>
<td>Lanatus, woolly</td>
</tr>
<tr>
<td>Lana, wool</td>
<td>Lanceolatus, lanced</td>
</tr>
<tr>
<td>Lateralis, lateral</td>
<td>Lateri-florus, side-flowered</td>
</tr>
<tr>
<td>Lateri-florus, side-flowered</td>
<td>Laxus, flexible, or loose</td>
</tr>
<tr>
<td>Legumen, legume</td>
<td>Ligulatus, ligulate</td>
</tr>
<tr>
<td>Limbus, border</td>
<td>Linearis, a line</td>
</tr>
<tr>
<td>Linearis, a line (measure)</td>
<td>Lineatus, lined</td>
</tr>
<tr>
<td>Lineatus, lined</td>
<td>Lingulatus, tongueitd</td>
</tr>
<tr>
<td>Lingulatus, tongueitd</td>
<td>Linguiformis, tongue-form</td>
</tr>
<tr>
<td>Lobatus, lobed</td>
<td>Loculamentum, cell</td>
</tr>
<tr>
<td>Longifilimus, most long</td>
<td>Longus, long</td>
</tr>
<tr>
<td>Longus, long</td>
<td>Lucidus, bright</td>
</tr>
<tr>
<td>Lucanus, moon'd</td>
<td>Lyratus, lyred</td>
</tr>
<tr>
<td>M.</td>
<td></td>
</tr>
<tr>
<td>Mediocris, middle-size</td>
<td>Membranaceus, membranous</td>
</tr>
<tr>
<td>Membranaceous, membranous</td>
<td>Membranatus, membranous</td>
</tr>
<tr>
<td>Monopetalus, one-petal'd</td>
<td>Monopetalus, one-petal'd</td>
</tr>
<tr>
<td>Monophyllus, one leaf</td>
<td>Multiflorus, many-flowered</td>
</tr>
<tr>
<td>Muricatus, daggered</td>
<td>Multifidus, many-cleft</td>
</tr>
<tr>
<td>Multifidus, many-cleft</td>
<td>Multivalvis, many-valved</td>
</tr>
<tr>
<td>Muricatus, muricatus</td>
<td>Mucronatus, daggered</td>
</tr>
<tr>
<td>Muticus, munke'd</td>
<td></td>
</tr>
</tbody>
</table>
N.
Natans, swimming
Nectarium, nectary
Nervofus, nervy
Nidulans, nidulant
Nitidus, glossy
Nucleus, nucleus
Nudus, naked
Nutans, nodding
Nux, nut.

O.
Obliquus, oblique
Oblongus, oblong
Obtusus, obtuse
Opareculum, lid
Oppofitifelius, leaf-opposed
Oppofitus, 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, papillosus
Pappus, pappus
Papulofus, pimply
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
Perfiftens, permanent
Perfonatus, mafked
Petalinus, on the petal
Petalum, petal
Petiolaris bulbus, petiole-bulb
Petiolares utriculi, petiole-bladders
Petiolaris, on the petiole
Petiolaris cirrhus, petiole-tendril
Petiolatus, petioled
Petiolus, petiole
Pileus, hat
Pili, hairs
Pilofus, hairy
Pinnatifidus, feather-cleft
Pifiillum, pifil
Planus, flat
Plicatus, plaited
Plumofus, feathery or plume
Plumula, plumelet
Pollen, dust
Pollicaris, an inch
Polypetalus, many-petal'd
Polyphyllus, many-leaved
Pomum, pome
Præmorfulus, end-bitten
Procumbens, procumbent
Prolifer, proliferous
Proprius, proper
Pubes, pubescence
Pulpoius, pulpy
Punctatus, dotted.
INDEX.

Q.

Quadrijugus, four-times pair'd
Quaternus, four-fold
Quaternatus, four'd
Quinu, five-fold
Quinatus, five'd
Quinquangularis, quinquangular,
five-angled
Quinquefidos, five-cleft
Quinqupartitus, five-parted

R.

Racemus, raceme
Rachis, rachis
Radichus, radicated, rooted
Radicate folium, root-leaf
Radicalis, radical
Radix, root
Radicans, rooting
Rameum folium, branch-leaf
Ramosifimus, most branchy
Ramosus, branchy
Ramus, branch
Receptaculum, receptacle
Reclinatus, reclined
Rectus, straight
Recurvatus, recurvate
Recurvus, recurved
Reflexus, reflected
Regularis, regular
Remotifimus, most remote
Remotus, remote
Reniformis, kidney-form
Rcpandus, scollop'd
Recens, creeping
Reflupinatus, refupine
Retroflexus, retroflexed
Retrofractus, retrofracted
Retusus, retus
Revolutus, revolute
Rhombicus, rhombic
Rigidus, rigid

Rimofus, chinky
Ringens, grinning
Rofellum, rostel or beak
Rotatus, wheel'd
Rotundatus, rounded
Rugofus, wrinkled
Ruptus, interrupted

S.

Sagittatus, arrowed
Sarmentofus, sarmentous
Sarmentum, sarment
Scaber, rugged
Scandens, climbing
Scapus, scape
Scariosus, parched
Secundus, one-ranked
Semen, seed
Seminalis, seminal
Semiteres, semi-columnar
Sempervirens, evergreen
Serceus, silky
Serratus, saw'd
Sefilis, seffile
Setae, bristles
Siccus, dry
Silicula, silicle
Siliqua, silique
Simplex, simple
Simplicifimus, most simple
Simitrorfum, from the left
Sinuatus, sinuous
Solidus, solid
Solitarius, solitary
Spadix, spadix
Sparsus, scattered
Spatha, spatha
Spatulatus, spatuled
Spica, spike
Spimathreus, six inches
Spina, thorn
Spinefecns, spinescent, or thorn-
growing

Spinofus.
INDEX

Spinofus, thorny
Squamatus, scaled
Squamofus, scaly
Squarrofus, ragged
Stamen, flamen
Stellatus, flared
Stigma, fligma
Stimuli, flings
Stipes, flipe
Stipitatus, fliped
Stipula, flipule
Stipulares utriculi, flipule-bladders
Stipularis bulbus, flipule-bulb
Stipulatus, flipuled
Stoloniferus, flste-bearing
Striatus, striated
Strictus, upright
Strigae, lance-bristles
Strigofus, lance-bristled
Strobilus, flrobile
Stylus, flyle
Subdentatus, somewhat-tooth’d
Suberosus, corky
Subintegerrimus, very intire
Submerus, immerfed
Subrotundus, roundisb
Subulatus, auled
Succulentus, juicy
Suffruticosus, somewhat forubby
Sulcatus, furrowed
Superus, above.

T.

Teres, columnar
Terminalis; terminal
Terni, three-fold
Ternatus, three’d
Tetragonus, four-corner’d
Thyrfus, tthryfe
Tomentofus, downy
Tomentum, down

Tortilis, twisted
Torulofus, protuberant
Transferus, transverse
Trapeziformis, trapeze-form
Triangularis, triangular
Tricoccus, three-grain’d
Trifidus, three-cleft
Trigeminus, thrice-double
Trigonus, three-cornered
Trilobus, three-lobed
Trinervatus, three-neaved
Trinervis, three-nerve
Tripinnatus, thrice-feathered
Triplinervis, triple-nerve
Triquetus, three-sided
Tristernatus, three-times-thrice-three’d
Truncatus, lopped
Truncus, trunk
Tuberofus, tuberous
Tubulofus, tubular
Tubus, tube
Tunicatus, coated
Turbinatus, top-shape.

U.

Umbella, umbel
Umbellula, umbelllet
Undatus, weaved
Unguicularis, half an inch
Unguis, claw
Uniflorus, one-flower’d
Unilateris, one-sided
Univalvis, one-valved
Universalis, universal
Utriculus, bladder
Urens, flinging.

V.

Vaginans, sheathing
Vaginatus, sheathed
Valvula, valvulet

Venofus,
<table>
<thead>
<tr>
<th>English Term</th>
<th>Latin Term</th>
</tr>
</thead>
<tbody>
<tr>
<td>Venosus, veined</td>
<td>Villosus, villous</td>
</tr>
<tr>
<td>Venticosus, belliéd</td>
<td>Virgatus, twiggy</td>
</tr>
<tr>
<td>Vernatio, vernation</td>
<td>Viscidus, viscid</td>
</tr>
<tr>
<td>Verticalis, vertical</td>
<td>Viscositas, viscofity</td>
</tr>
<tr>
<td>Venticillatus, verticilled</td>
<td>Volubilis, twining</td>
</tr>
<tr>
<td>Verticillus, verticil</td>
<td>Volva, volve</td>
</tr>
</tbody>
</table>

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

KINGDOM.
VEGETABLE KINGDOM.

1. CREATED NATURE, by successsive 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.

2. VEGETABLES have life, without voluntary motion.

3. 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.

4. 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.

   A 2

   2. GRASSES.
2. **GRASSES. Plebeians**, Plants of the field, producing Culms and Glumes, Rustics 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 flock, 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. **MOSSSES. 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; left 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. **FUNGI**.
VEGETABLE KINGDOM.

9. FUNGUSSES, VAGABONDS, Plants of the Autumn, Barbarous, Naked, putrescent, rapacious, voracious. These at the Fall of the Leaf are supported by the recrement of other plants.

5. TEXTURE of vegetables consists of Fluid-bearing Vessels, Air Vessels, Secretary 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 Rootlets, 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 Grasses: 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.

12. PROP
6. **VEGETABLE KINGDOM.**

12. PROP administer[ing] 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.
   - **Pubesence** cloathing with down.
   - **Gland** separating a liquor.
   - **Thorn** terminating with a wooden horn.
   - **Prickle** stretched out like a claw inferted 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:
   - **Volve** of a Fungus, torn.
   - **Calyptré** of Mosi, cowl'd.
   - **Spathe** of a Palm, sheathed.
   - **Glume** of Grafs, 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. **Pis-**
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 seed.
FOLLICLE membranous, one-valved, gaping on the side, not attached to the seeds.
BERRY pulpy, with seperate 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-fear.
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 sessile 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.
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, deliquiscent at the base, ascending at the point, infinite in multiplication in divisibility and in termination, 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 suckling 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 matter 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 Pifil; 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
forming from the bud-leaves the Bracts 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: Winged 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 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 entire; 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 Decuris.

Will add Figures, if they are able, which represent the perfect Plant, such as are given by Vaillant, Dillenius, Ehret, 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.
VEGETABLE KINGDOM.

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, gemmation, vernation, aestivation, nuptials, frondescence, 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:

Assert 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, flore-bearing.
b. fermentous, rooting, creeping.
c. knotted, flexuous, climbing.
twining: from the left, from the right.
figure 2. columnar, semi-columnar, compressed, piped.
two-edged, 3-10 angled.
acute-angled, obtuse-angled.
b. 3-6-corner'd, 3-5 sided

**clothing** 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, thaggy, hilpid,

prickly, thorny, stinging.

d. stipuled, membranous, bulb-bearing.

**composition a.** knottless, very simple, simple, intricate.

b. jointed, proliferous, two-fork'd, cross-arm'd.

c. thinly-branch'd, branchy, very branchy.

d. twiggy, paniced, 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, retroflexed, prop'd.

d. height of the stem; long, short, expanding.

**LEAVES**

determination 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.

fasicle'd, two'd, three'd, four'd, five'd.

confluent, approximated, remote.

b. opposite, decussated, star'd.

direction a. erect, straight, rigid, appressed,

expanding; very expanding, arising, inflected,

reclining, recurved, revolute, depending.

b. oblique, south-turn'd, vertical, revolute.

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, trapeziform.

**hollows a.** hearted, kidney-form, moon'd.

arrow'd
arrow'd, halberted, violin-form, runcinated.
b. cleft, 2-5-lobed, 2-5-cleft, 2-5-parted.
  handed, lyred, feather-cleft, finuous, jagged, ragged.

margin
  a. very intire, notch'd, saw'd, fringed.
  tooth'd, thorny, cartilaginous.
  b. scollop'd, torn, gnaw'd, daedalean.

top
  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. nerv'd; three-nerved, thrice-nerved, triple-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, cowled, plaited, waved, curl'd.

substance
  a. membranous, parch'd, gibbous.
  columnar, depress'd, compress'd, keel'd.
  b. compact, tubular, pulpy, flabby.
  c. three-sided, two-edged, tongue'd, sword-form.
  awl'd, scimitar-form, ax-form.

measure
duration
  very short, very long, in respect to its stem or joints.
deciduous, falling, permanent,
  perennial, ever-green.

composition
  jointed, pair'd.
  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, de-current.

Decompounded
  twice-double, thrice-threefold, twice-feather'd.
Superdecompounded
  thrice-double, three-times-thrice-threefold, triple-feather'd.

PROPS:
  Petiole, Stipule, Tendril, Pubescence, Arms, Peduncle, Bracte.

The DEFINITIONS of Terms I have given in Amen, acad. vol. 6. p. 217.
The FIGURES in Hort, cliff. and Philosop. Botan.
VEGETABLE KINGDOM.

**Petiole figure** linear, wing’d, club’d.

- membranous, columnar, semi-columnar, three-sided, channel’d
- size very short, short, middle-size.
- long, very long.
- *insertion* inserted, adjoin’d, decurrent.
- *direction* erect, expanding, ailing, recurvate.
- *surface* smooth, prickly, naked, jointed, spinescent.

Stipules

- a. doubled, solitary, none.
- b. lateral, behind the leaf, before the leaf, leaf-opposed.
- 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. viscoity, glutinoity.

Arms

- 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.
VEGETABLE KINGDOM.

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 appressed, erect, expanding, bowing,
   reflexed, declined, nodding, flaccid, ascending,
   pendulous, straight, winding, retroflected.

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, thick'en'd,
   naked, scaly, leaved, branched,
   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, reflexed, one-rank'd.
   vertical, horizontal.
   superaxillary, leaf-opposed, side-flower'd, within
   the leaf.

a. Verticil a. sessile, peduncled.
   b. naked, involucre'd, bracte'd,
   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.

C FRUC-
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, entire.
c. Tubular, expanding, reflected, inflated.
d. Abbreviated, long, middle-sized.
e. Obtuse, acute, thorny, prickly.
f. Equal, unequal, lip'd.

Common imbricated, ragged, calycled, 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, briskly.

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.
f. Salyer-form, wheel'd, globular, liliaceous.

g. Grinning, mask'd: with lip upper and lower; with grin; Palate, Throat, Neck.

h. Croft'd, concave, expanding.

papilionaceous; with banner, wings, keel.
e. Compound: ligulate, tubular, radiated.

Difk, 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.

Style
VEGETABLE KINGDOM.

Style number, proportion, division, figure. capillary, thread-form, cylindric, awl’d, club’d. erect, declining, ascending.

Stigma number, figure; divided, perforated, headed.

Pericarp Capsule: 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.

Silique figure: compressed, protuberant, jointed. Partition parallel, transverse.

Legume figure, jointed, 1-2-cell’d, with isthmus’es.

Folicle one-valved, figure.

Drupe succulent, dry.

Pome figure, cells.

Berry one-fed’d, &c. nidulant seeds.

Strobile figure of the whole, of the scales.

Seed number, figure, cells, surface, confidence.

Hile Heart

Crown Pappus stip’d, or sessile: capillary, plumy. tail, hook, calycle, wing, awn.

Nut one-cell’d, two-cell’d, &c.

Aril cartilaginous, succulent.

Receptacle of the fructification, of the flower, of the fruit.

Common a. naked, dotted, hairy, chaffy, honeycomb’d. b. flat, convex, awl’d, egg’d, globular.

Compound Flower, of Florets.

Aggregate Flower

Umbel a. simple, compound of an universal and partial one, proliferous. b. concave, level-top’d, convex.
c. erect, nodding.

Cyme naked, bracted.

Spadix a. one-flower’d, many-flower’d. b. simple, branchy.
c. Rachis spike.

III. HABIT.

GEMMATION Bulb solid, coated, scaly, stem-bulb. Bud, its origin petioled, stipuled, cortical.

VERNATION conduplicate, convolute, involute, revolute. imbricated, equitant, obvolute, plated, spiral.
ESTIVATION  convolute, imbricated, conduplicate, valved, unequal-valved.
TORISON  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, curviture.
    of the Pericarp berrying, inflation, viscoslty, elaticlty, structure.
PLACENTATION  Two-Cotyledon'd, Cotyledonless, Many-Cotyledon'd.

IV. STATION.

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

V. TIME.

GERMINATION  of days, of months, annual, biennial.
FRONDDESCENCE  Vernation early, equal, late.
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
VEGETABLE KINGDOM.

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, nafty, nauseous, pifonous,

TASTE watery, acid, fatty, sweet, mucous,
dry, bitter, stiptic, acrid, salt,

COLOUR glasy, red, purple, white, fad.
black, yellow, green, ash-colour, pearly,

TOUCH moyst, downy, juicy, fleshy, viscid,
dry, slippery, parch'd, membranous, rugged,

MEASURE a line, an inch, fix-inches, a foot, a cubit,
half an inch, a hand, a span, six-feet.

VII. USES.

NATURAL The Economy and Policy of nature.
sympathies, antipathies.
Pan of the domestic herbiverous animals.
Pandora of insects.

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

WITH SUBORDINATION

Some males above others.
Two stamens are always lower than the others.

14. TWO 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.
22. 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 a 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 insertcd 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
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 Floculos.

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.

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

That is, when many flower-bearing calyces are contained in one common calyx, so as to constitute one flower.
### GENERA OF CLASSES.

#### I.

**ONE MALE.**
* (Monandria. )

**ONE FEMALE.**
* (Monogynia. )

<table>
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**TWO FEMALES.**
* (Digynia. )

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| Blitum       | 14 |
| Cinninga     | 15 |
| Mniarum      | 1352 |
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| Liguifrum    | 18 |
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| Olea         | 20 |
| Syringa      | 21 |
| Dialium      | 22 |
| Eranthumum   | 23 |
| Circaæ       | 24 |
| Veronica     | 25 |
| Pæderota     | 26 |
| Jufticia     | 27 |
| Dianthera    | 28 |
| Gratiola     | 29 |
| Schwenkia    | 1233 |
| Calceolaria  | 1288 |
| Pinguicula   | 30 |
| Utricularia  | 31 |
| Verbena      | 32 |
| Lyopus       | 33 |
| Amethystea   | 34 |
| Cunila       | 35 |
| Ziziphora    | 36 |
| Monarda      | 37 |
| Rofmarinus   | 38 |
| Salvia       | 39 |
| Collinsonia  | 40 |
| Morina       | 41 |
| Globba       | 1287 |
| Thouinia     | 1353 |
| Ancistrum    | 1354 |

#### II.

**TWO MALES.**
* (Diandria. )

**ONE FEMALE.**
* (Monogynia. )

| Anthoxanthum | 42 |

**TWO FEMALES.**
* (Digynia. )

**THREE**
THREE FEMALES.
(Trigynia.)

Piper 43

III.
THREE MALES.
(Triandria.)

ONE FEMALE.
(Monogynia.)

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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
Gladio'us 57
Antholyza 58
Iris 59
Moraea 60
Wachendorfia 61
Commelina 62
Callistia 63
Xyris 64
Schoenus 65
Cyperus 66
Scirpus 67
Eriophorum 68
Nardus 69
Lygeum 70
Dilatris 1355
Kyllingia 1356
Fuirena 1357
Pommereuilla 1358

TWO FEMALES.
(Digynia.)

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Cornucopia 72
Saccharum 73
Phalaris 74
Paspalum 75
Panicum 76
Phleum 77
Alopecurus 78
Milium 79
Agrostis 80
Aira 81
Melica 82
Po 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
Anthiftiria 1359
Rottbollia 1360

THREE FEMALES
(Trigynia.)

Eriocaulon 100
Montia 101
Proserpinaca 102
Triplaris 103
Holosteum 104
Koenigia 1241
Polycarpone 105

Mollugo

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### GENERA OF CLASSES.

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### IV.

#### FOUR MALES.

(*Tetrandria,*)

#### ONE FEMALE

(*Monogynia,*)

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#### TWO FEMALES

(*Digynia,*)

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FOUR FEMALES.  

(\textit{Tetraginiae.})

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V.  

FIVE MALES.  

(\textit{Pentandria.})

ONE FEMALE.  

(\textit{Monogynæ.})

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XV.
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### XV.

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(*Tetrodynamia.*)

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<th>With Silicle. <em>(Siliculosa.)</em></th>
<th>With Siliqua. <em>(Siliquosa.)</em></th>
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<td>Myagrum 796</td>
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<td>Crambe 825</td>
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<td></td>
<td>Cleome 826</td>
</tr>
</tbody>
</table>
XVI.

ONE BROTHERHOOD.
(Monadelphla.)

THREE MALES.
(Triandria.)

Aphyteia 1410

FIVE MALES.
(Pentandria.)

Lerchea 1418
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

TWO BROTHERHOODS.
(Diadelphia.)

FIVE MALES.
(Pentandria.)

Monnieria 850

SIX MALES.
(Hexandria.)

Sarae 1267
Fumaria 849

EIGHT MALES.
(Octandria.)

Polygala 851
Securidaca 852
Dalbergia 1416

TEN MALES.
(Decandria.)

Nissolia 853
Pterocarpus 854
Erythrina 855
Pucidia 856
Borbonia 857
Liparia 1319
Spartium 858
Genista 859
Apsalathus 860
Ulex 881
Amorpha
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XVIII.

MANY BROTHERHOODS.

(Polyadelphia.)

<table>
<thead>
<tr>
<th>FIVE MALES.</th>
<th>MANY MALES.</th>
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<tr>
<td>(Pentandria.)</td>
<td>(Polyandria.)</td>
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<td>Ambroma</td>
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<td>Hopea</td>
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<td>Symplocos</td>
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<td>Hepericum</td>
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<tr>
<td>Alcyrum</td>
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XIX.
GENERA OF CLASSES.

XIX.

CONFEDERATE MALES.

(Syngenesia.)

EQUAL POLYGAMY.

(Polygamia æqualis.)

Calce
Santolino
Athanasia
Barnadisia

SUPERFLUOUS POLYGA-

(Polygamia Superflua.)

Tanacetum
Artemisia
Hippia
Gnaphalium
Carpeium
Baccharis
Conyza
Erigeron
Tulifago
Senecio
After
Solidago
Cineraria
Inula
Arnica
Doronicum
Perdicum
Helenium
Bellis
Bellium
Tagetes
Leysera
Zinnia
Peçtis
Eclipta
Chrysanthemum
Matricaria
Cotula
Anacyclus
Anthemis
Achillea

Géropogon
Tragopogon
Scorzonera
Picris
Sonchus
Laëtua
Chondrilla
Prenanthes
Leontodon
Hieracium
Crepis
Andryala
Hyoscris
Seriola
Hypochæris
Lâpafa
Catánanche
Cichorium
Scolymus
Arctium
Serratulum
Carduus
Cnicus
Onopordon
Cynara
Carlina
Atraëylis
Carthamus
Bidens
Cacalia
Ethulia
Eupatorium
Ageratum
Pteronia
Stæhelina
Chrysocoma
Tarchoanthus

F 2

43
### Genera of Classes

<table>
<thead>
<tr>
<th>Genus</th>
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<td>Tridax</td>
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<td>Verbesina</td>
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<td>Buphthalmum</td>
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<td>Unxia</td>
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### Frustraneous Polygamy

*(Polygama Frustranea)*

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### Necessary Polygamy

*(Polygamy Necessaria)*

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### Separative Polygamy

*(Polygama Segretata)*

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### Monogamy

*(Monogama)*

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<td>Corymbium</td>
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<td>Jafionc</td>
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<td>Lobelia</td>
<td>1006</td>
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<td>Viola</td>
<td>1007</td>
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<tr>
<td>Impatiens</td>
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### XX. Feminine Males

*(Gynandria)*

#### Two Males

*(Diandria)*

<table>
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<td>Serapias</td>
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<td>Limodorum</td>
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<tr>
<td>Arethusa</td>
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<td>Cytripedium</td>
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<tr>
<td>Epidendrum</td>
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<tr>
<td>Gunnera</td>
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<td>Dista</td>
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#### Three Males

*(Triandria)*

<table>
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#### Four Males

*(Tetrandria)*

<table>
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#### Five Males

*(Pentandria)*

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<tr>
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<td>Gluta</td>
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<td>Paffiflora</td>
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</table>

#### Six Males
GENERA OF CLASSES.

SIX MALES.
(Hexandria.)
- Aristolochia: 1022
- Piftia: 1023

EIGHT MALES.
(Octandria.)
- Scopolia: 1425

TEN MALES.
(Decandria.)
- Kleinhowia: 1024
- Heliocéteres: 1025

TWELVE MALES.
(Dodecandria.)
- Cyttinus: 1232

MANY MALES.
(Polyandria.)
- Xylophia: 1027
- Grewia: 1026
- Ambrosinia: 1238
- Arum: 1028
- Dracontium: 1029
- Calla: 1030
- Pothis: 1031
- Zosteria: 1032

XXI.
ONE HOUSE.
(Monoecia.)
ONE MALE.
(Monandria.)
- Zannichellia: 1034
- Ceratocarpus: 1035
- Cynomomorium: 1003
- Chara: 1203
- Elaterium: 1036
- Artocarpus: 1426
- Phyllachne: 1427
- Caesuarina: 1428
- Aegopiron: 1429

TWO MALES.
(Diandria.)
- Anguria: 1037
- Lemna: 1038

THREE MALES.
(Triandria.)
- Typha: 1040
- Sparganium: 1041
- Zea: 1042
- Triplacum: 1044
- Coix: 1043
- Olyra: 1045
- Carex: 1046
- Axyris: 1047

FOUR MALES.
(Tetrandria.)
- Centella: 1051
- Serpicala: 1274
- Littorella: 1328
- Cicca: 1275
- Betula: 1052
- Buxus: 1053
- Urtica: 1054
- Morus: 1055

FIVE MALES.
(Pentandria.)
- Nephelium: 1277
- Xanthium: 1056
- Ambrosia: 1057
- Parthenium: 1058
- Iva: 1059
- Clibadium: 1329
- Amaranthus: 1060
- Solandra: 1061
- Lcca: 1276

HEX-
GENERA OF CLASSES.

46. SIX MALES.  
(Hexandria.)
Zizania  1062
Pharus  1063

SEVEN MALES.  
(Heptandria.)
Guettarda  1064

MANY MALES.  
(Polyandria.)
Ceratophyllum  1065
Myriophillus  1066
Sagittaria  1067
Theligonum  1068
Poterium  1069
Begonia  1156
Quercus  1070
Juglans  1071
Fagus  1072
Carpinus  1073
Corylus  1074
Platanus  1075
Liquidambar  1076

ONE BROTHERHOOD.  
(Monodelphia.)
Pinus  1077

Thuya  1978
Cupressus  1979
Pluckneia  1980
Delechampia  1981
Acalypha  1982
Croton  1983
Cupania  279
Jat. opha  1984
Kitinus  1985
Sterculia  1986
Stillinia  1279
Hippomane  1988
Hura  1987
Gnetum  1278

CONFEDERATE MALES.  
(Syngenefia.)
Trichosanthes  1089
Momordica  1090
Cucurbita  1091
Cucumis  1092
Bryonia  1093
Sicyos  1094

FEMININE MALES.  
(Gynandria.)
Andrachne  1095
Agyneja  1336

XXII.  
TWO HOUSES.  
(Dioecia.)

ONE MALE.  
(Monandria.)
Najas  1096
Pandanus  1430

TWO MALES.  
(Diandria.)
Vallisneria  1097
Cecropia  1099
Sælix  1098

THREE MALES.  
(Triandria.)
Empetrum  1100

Osyris  1101
Reftio  1331
Excoecaria  1102
Caturus  1280
Maba  1431

FOUR MALES.  
(Tetrandria.)
Trophis  1103
Batis  1104
Vifcum  1105
Hippophae  1106
Myrica  1107
Montian
Genera of Classes.

Montinia

**FIVE MALES.**

(Pentandria.)

Pistacia
Zanthoxyllum
Astronium
Canarium
Antidesma
Irenie
Spinacia
Acantha
Cannabis
Humulus
Zanonia
Fevilleea

**SIX MALES.**

(Hexandria.)

Tamus
Smilax
Rajania
Dicfcorea
Populus
Rhodiola

**EIGHT MALES.**

(Octandria.)

Margaritaria

**NINE MALES.**

(Enneandria.)

Mercurialis
Hydrocharis

**TEN MALES.**

(Decandria.)

Carica
Kiggelaria
Schinus
Coriaria

**TWELVE MALES.**

(Dodecandria.)

Datiscus
Menispernum
Eucaea

**MANY MALES.**

(Polyandria.)

Cliffortia
Hedycarya

**ONE BROTHERHOOD.**

(Monadelphia.)

Juniperus
Taxus
Ephedra
Cliffampelos
Adelia
Naprea

**CONFEDERATE MALES.**

(Syngenesia.)

Ruscus

**FEMININE MALES.**

(Gynandria.)

Clutia

XXIII.

Polygamies.

**ONE HOUSE.**

(Monociea.)

Mufa
Ophioxylon
Celtis
Veratrum
Andropogon
Holcus
Apluda
Manifuris
Ischaemum
Cenchrus
Ægilops
Spinifex
Valantia
Parietaria
Hermas
Atriplex
Brabejum
Terminalia.
GENERA OF CLASSES.

Terminalia 1283  Stilbe 1363
Clusia 1154  Anthespermum 1164
Acer 1155  Arctopus 1165
Gowana 1157  Pifonia 1162
Mimosa 1158  Panax 1166

TWO HOUSES.  
(Dioecia.)

Gleditsia 1159  Chryseis 1167
Fraxinus 1160  Ficus 1168
Diospyrus 1161
Nysa 1163

THREE HOUSES.  
(Triecia.)

Ceratonia

XXIV.

CLANDESTINE MARRIAGES.  
(Cryptogamia.)

Ferns.

Equisetum 1169  Hypnum 1195
Cycas 1222  Fontinalis 1196
Zamia 1227  Buxbaumia 1188
Onoclea 1170  Hedwiga 1435
OphioGLOSSUM 1171  Pottia 1436
Olmunda 1172  Georgia 1437
Acrostichum 1173  Grimmia 1438
Polypodium 1179  Catherina 1440
Hemionitis 1176  Weisia 1441
Asplenium 1178  Andreacea 1442
Blechnum 1175
Lonchitis 1177
Pteris 1774  Marchantia 1198
Adiantum 1180  Jungermanica 1196
Trichomanes 1181  Targonia 1197
Marfilea 1182  Anthoceros 1201
Pilularia 1183  Blasia 1199
Isoetes 1184  Riccia 1200
Mosses.  
(Musci.)

Lycopodium 1185  Lichen 1202
Porella 1186  Byflus 1208
Sphagnum 1187  Tremella 1204
Phaeclum 1189  Ulva 1206
Splachnum 1191  Fucus 1205
Polytrichum 1192  Conferva 1207
Mnium 1193  Fungusses.  
(Fungi.)

Bryum 1194  Agaricus 1209

Hydnum
Genera of Classes.

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

Appendix.

P A L M S. (palmae.)

Phœnix 1224
Elais 1284
Areca 1225
Elate 1226
Caryota 1228
Mauritia 1444
ADVERTISEMENT.

THE 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, $\sigma$ denotes the male flower, and $\varphi$ the female.
**CLASS I.**

**ONE MALE.**

*(Monandria.)*

**ONE FEMALE.**

*(Monogynia.)*

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

2 **AMOMUM.**

3 **Curtuma.**

**1350** **RENEALMIA.**

**8** **THALIA.**

**1351** **MYROSMA.**

**5** **MARANTA.**

**7** **KAEMPFERIA.**

**1** **CANNA.**

**4** **ALPINIA.**

**3** **COSTUS.**

† **Valeriana rubra, Calcitrapa.**

**One-seeded.**

9 **Boerhaavia.**

11 **Hippuris.**

10 **Salicornia**

**TWO FEMALES.**

*(Digynia.)*

*Plants.*

12 **Corispermum.**

13 **Callitrichce.**

14 **Blitum**

**15** **Cinna**

**1352** **Mniarum,**

*Scitamineous (scitamineae) belonging to the 8th order in the Authors Fragments of a Natural Method. See Milne's Dict.*
ONE MALE ONE FEMALE.

Canna.

ONE FEMALE.

(Monogynia,)

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

B.M. indica. 1. C. leaves egg’d pointed at both ends nervy. Indian.
angustifolia 2. C. leaves lanced petioled nervy. Narrow-leaved.

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.
Cardamom. 3. A. scape very simple, very short, bractes alternate loose. Cardamon.

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


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


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

cca.
Galanga 2. M. culm simple, leaves lanced subellate. Indian.
cormosa 3. M. a tuft with leaflets reflected. 8. Tetracycl ROO.

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.


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

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

*erecfa.* 1. B. *stem* erect, smooth, flowers 2-male. *erecfa.*

*diffusa.* 2. B. *stem* polish'd diffuse, leaves egg'd. *diffusa.*

*biriflata.* 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.*

*augustifolia.* 6. B. *leaves* linear acute, narrow-leaved.

13. **SALICORNIA.** Cal. somewhat bellied, entire.

*Petals* o. *Seed* 1. *Glasswort.* *Call-horn.*

*herbac'a.* 1. S. herbaceous expanded joints compress'd at the top, end-nick'd-two-cleft. *ord. clar.* 303 herbaceous. *E.B.*

*fruticosa.* 2. S. *stem* erect shrubby. *fruticosa.*

*virginica.* 3. S. herbaceous erect branches very simple. *virginian.*

*arabica.* 4. S. joints obtuse thicken'd at the base, spikes egg'd. *arabian.*

*arabica.* 5. S. leaves alternate sheath-like, obtuse gaping on one side. *S.* arabian.


*foliata.* 6. S. *leaves* linear alternate *stem* clasping-decurrent. S. *leaved.*


*Seed* 1. *Marestail.*

*vulgaris.* 1. H. leaves eightfold awl'd. S. *ved. tam.* 47 common. *E.B.*

*tetraphylla.* 2. H. leaves fourfold oblong obtuse. S. *four-leav'd.*
ONE MALE ONE FEMALE. Renealmia.

Renealmia. 

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

exaltata. Renealmia. S. 

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

annaeoilia. Myrosma. S. 

TWO FEMALES. 

(Digymia,)

CORISPERMUM. Cal. o. Petals 2. Seed 1, oval, naked. Tickseed. 

byssopifol. 1. C. flowers lateral. 

squarrosum 1. C. spikes ragged. 

CALLITRICHE. Cal. o. Petals 2. Capsule 2-celi’d, 4-seeded. Stargrass. 

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

autumnalis 2. C. all the leaves linear two-cleft at the top, flowers hermaphrodite. Rushpin. 257 autumnal. 

BLITUM. Cal. 3-cleft. Petals o. Seed 1, calyx berried. Blite. 

capitatum. 1. B. headlets spiked terminal. headed. 

B.M. virgatum. 2. B. headlets scatter’d lateral. twiggy. 

CINNA. Cal. glume 2-valved, 1-flower’d. Cor. glume 2-valved. Seed 1. 

arundinacea. CINNA. reedy. 

MNIARUM. Cal. 4-parted, above. Cor. o. Seed 1. 

Mniarum. 1. Mniarum. S. two-flower’d. 

CLASS
**CLASS II.**

**TWO MALES.**

*(Diandria.)*

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**ONE FEMALE.**

*(Monogynia)*

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

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<td>† <em>Bignonia Catalpa.</em></td>
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<td>** *** Flowers beneath, one-petal'd, irregular. <em>Fruit</em> seed-naked.</td>
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37 Monarda. Cor. grinning: helmet linear infolding the fructification.
39 Salvia. Cor. grinning: Filaments transversely 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 sello’.

**** Flowers beneath, five-petal’d.


**** 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, inversely-heart’d.

1287 Globba. Cal. 3-cleft. Cor. 3-cleft. Capsule 3-cell’d.

1354 Ancistrum. Cal. 4-awn’d. Cor. 5-cleft.
Valeriana Cornucopias.
Boerhaavia 2-male, climbing, erect.

TWO FEMALES.
(Digynia.)

42 Anthoxanthum. Cal. Glume 1-flower’d, oblong. Cor. Glume
awn’d.

THREE FEMALES.
(Trigynia.)

43 Piper. Cal. o. Cor. o. Berry 1-seeded.
TWO MALES. ONE FEMALE. Nyctanthes. 57.

ONE FEMALE.
(Monogynia.)


arbor triflis. 1. N. stem four-corner’d, leaves egg’d pointed, pericarps membranous compres’ed. Sorrowful tree.
Sambac. 2. N. inferior leaves hearted obtuse, superior ones egg’d acute.

undulata. 3. N. leaves egg’d pointed waved; branches columnar.

angulifolia. 5. N. leaves obtuse lanced and egg’d. Narrow-leaved.
longata. 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. Anthers within the Tube. Jasmine.

officinale. 1. J. leaves opposite: leaflets distinct.

grandiflorum. 2. J. leaves opposite feather’d: the outmost leaflets confluent.

azoricum. 3. J. leaves opposite three’d.
fruticans. 4. J. leaves alternate three’d and simple, branches angled.

humble. 5. J. leaves alternate acutish three’d and feather’d, branches angled.
odaratissimum. 6. J. leaves alternate obtuse three’d and feathered, branches columnar. Most fragrant.

18. LIGUSTRUM. Cor. 4-cleft. Berry four-seeded.

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

media. 1. P. leaves egg-lanced very intire.
angulifolia. 2. P. leaves linear-lanced most intire.
latifolia. 3. P. leaves egg-hearted saw’d.

OLEA.
58. TWO MALES. ONE FEMALE. Olea.

20. OLEA. Cor. 4-cleft: divisions nearly egg’d. 

Drupe one-seeded. Olive.

- europaea. 1. O. leaves lanced.
- capensis. 2. O. leaves egg’d.
- americana. 3. O. leaves lance-elliptic.

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

- virginic. 1. C. peduncles three-cleft three-flower’d. virginian.
- zeylonic. 2. C. peduncles panicked many flower’d. ceylon.

22. SYRINGA. Cor. 4-cleft. Caps. two-cell’d. Lilac.

- vulgaris. 1. S. leaves egg-hearted. common.
- persica. 2. S. leaves lanced. persian.

1240. DIALIUM. Cor. 5-petal’d. Cal. none. Stamina on the upper side.

- indum. 1. Dialium. indian.

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

- capenfe. 1. E. leaves lance-egg’d petiolar. cape.
- angustifol. E. leaves linear remote expanded. narrow leaved.
- parvifolium. E. leaves egg-linear imbricated. small-leaved.
- Saifoloides. E. shrubby, leaves feathery roundish linear very smooth, racemes axillary and calyces pubescent, tube recurved. S. Saifola-like.

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

- lutetiana. 1. C. stem erect, racemes numerous, leaves egg’d.
- alpina. 2. C. stem prostrate, raceme single, leaves hearted. alpine.

25. VERO-
DiANDRIA. MONOGYNIA. Veronica. 59.

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

* Spiked.

fibirica. 1. V. spikes terminal, leaves sevenfold vertical’d, Item shaggyish. 

virginica. 2. V. spikes terminal, leaves fourfold and fivefold. virginian.

spuria. 3. V. spikes terminal, leaves threefold equally saw’d. 

maritima. 4. V. spikes terminal, leaves threefold unequally saw’d, Item short.

longifolia. 5. V. spikes terminal, leaves opposite lanced saw’d pointed. 

incana. 6. V. spikes terminal, leaves opposite notch’d obtuse, Item erect downy.

spicata. 7. V. spike terminal, leaves opposite notch’d obtuse, Item ascending most simple. Oct. 2am. 52. spiked.

hybrida. 8. V. spikes terminal, leaves opposite obtusely saw’d rugged, Item erect. 

pinnata. 9. V. spike terminal, leaves linear tooth-feather’d, Items prostrate. feather’d. 

officinalis. 10. V. spikes lateral peduncled, leaves opposite, Item pro-
cumbent. Oct. 2am. officinal.

* * Corymbe-racemed.

aphylla. 10. V. corymbe terminal, scape naked. leafless.

bellidioid. 11. V. corymbe terminal, Item ascending two-leaved, Items obtuse notch’d, calyces shaggy. daisy-like.

fruticulosa. 12. V. corymbe terminal, leaves lanced obtuse notch’d, Items shrubbyish. Oct. 2am. frubbyish.

alpina. 13. V. corymbe terminal, leaves opposite, calyces hispid. 

fraxatilis. V. corymbe terminal, leaves opposite smoothish, pedunules surpassing the floral leaves. S. rock.


Beccabunga. 15. V. racemes lateral, leaves egg’d flat, Item creeping. 

Anagallis. 16. V. racemes lateral, leaves lanced saw’d, Item erect. 

feutellat. 17. V. racemes lateral alternate: pedicels pendulous, leaves linear most intire. Oct. 2am. 29, shield-like.
60. TWO MALES. ONE FEMALE. Veronica.

Tenuissima. 18. V. racemes lateral very long, leaves egg’d wrinkled tooth’d obtuse, stems procumbent.
pilosæ. 23. V. racemes subspiked, leaves egg’d obtuse, plaited, stem prostrate hairy.
prostrata. 22. V. racemes lateral, leaves oblong-egg’d faw’d, stems prostrate.
petiolata. 35. V. racemes lateral leafy, leaves oblong comb-faw’d, stems prostrate.
E.B. montana. 21. V. racemes lateral few flower’d, calyces fluffy, leaves egg’d wrinkled notch’d petioled, stem weak.
montana. 21. V. racemes lateral elongated thread-form, leaves egg’d petioled obtuse groosly faw’d, stem and petioles shaggy. S.

Kamtschatica.

F.B. Chamaedrys. 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.
amurensis. 19. V. racemes lateral, leaves many-parted, jagged, stems erec’t.
latifolia. 34. V. racemes lateral, leaves hearted wrinkled tooth’d, stem upright.
paniculata. 25. V. racemes lateral most long, leaves lanced three-fold faw’d, stem ascending.

Urticae-folia. 33. V. racemes lateral, leaves egg-lanced shaggy sharply faw’d, stem erec’t.

*** Peduncles one-flower’d.

E.B. agrestis. 26. V. flowers solitary, leaves hearted gashed shorter than the peduncle. Oec. dom. 149. wild.
arvensis. 27. V. flowers solitary, leaves hearted gashed longer than the peduncle. field.
E.B. hederæfolia. 28. V. flowers solitary, leaves hearted flat five-lobed.
E.B. triphyllus. 29. V. flowers solitary, leaves finger-parted, peduncles longer than the calyx. Oec. dom. 252. three-leaved.
E.B. verna. 30. V. flowers solitary, leaves finger-parted, peduncles shorter than the calyx.
romana. 31. V. flowers solitary sub sessile, leaves oblong somewhat notch’d, stem erec’t.
acinifolia. 32. V. flowers solitary peduncled, leaves egg’d smooth notch’d, stem erec’t hairyish.

33. V.
33. V. flowers solitary sessile, leaves lance-linear smooth obtuse near intire, stem erect.

34. V. flowers solitary sessile, leaves linear, stems diffuse.

26. PÆDEROTA. Cor. 4-cleft. Cal. 5-parted.

Caps. two-cell'd. Youth's delight.

Bona spei. 1. P. leaves feather'd.

Agieria. P. leaves saw'd: the inferior ones alternate.

Bonarota. 2. P. leaves saw'd opposite.

carulea. P. upper lip of the corols undivided. S. blue.

lutca. P. upper lip of the corols two-cleft. S. yellow.

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

* Shrubby.

Albadota. 1. J. arborecent, 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.

scorpioides. 4. J. shrubby, leaves lance-egg'd shaggy sessile, spikes recurved.

piça. 5. J. shrubby, leaves lance-egg'd painted, corols inflated in the throat.

insundibuli- 3. J. shrubby, leaves lance-egg'd fourfold, bractes fringed.

form. funnel-form.


fathusa. J. shrubby, leaves elliptical, thyrses terminal. softuous.

sefisit. 20. J. shrubby, flowers axillary sessile.

byllipisit. 7. J. shrubby, leaves lanced most intire, peduncles three-flower'd two-edged, bractes shorter than the calyx.

Pulcherrima. J. shrubby, leaves egg'd pointed at both ends petiol'd, spikes terminal four-corner'd erect, bractes egg'd. S. Very beautiful.

Tranquebra-rensis. J. shrubby, stem columnar, leaves orbicular, spikes terminal flowers solitary, bractes inverse-heart-éd. S. Tranquebar.
Orchioides. J. shrubby, leaves egg'd sessile, flowers axillary solitary peduncled. S. orchis-like
Grandarufa. J. shrubby, smooth, leaves lanced elongated, spikes verticil'd. S.

**Herbaceous.**

procumbens. 8. J. leaves lanced most intire, spikes terminal and lateral alternate, bractes brisply, stem procumbent.
pecinata. 9. J. diffuse, spikes axillary sessile downy one-rank'd imbricated on the back: bractes half-lanced.
repens. 10. J. leaves egg'd somewhat notch'd, spikes terminal, bractes lanced, stem creeping.
chinensis. 11. J. herbaceous, leaves egg'd, flowers lateral, peduncles three flower'd, bractes oval.
sexangularis. 13. J. leaves egg'd most intire, bractes wedge-form, branches fix-angled.
affurges. 14. J. leaves egg'd most intire, bractes awl'd, branches fix-corner'd.
nafuta. 15. J. leaves lance-egg'd most intire, peduncles two-fork'd.
bivakois. 17. J. leaves lance-egg'd, peduncles fix-flower'd: lateral pedicels two-flower'd, bractes egg'd parallel'd.
purpurea. 16. J. leaves egg'd dagger'd at both ends most intire smooth, stem knotted, spikes one-ranked.
 gangetica. 18. J. leaves egg'd, racemes simple long, flowers alternate one rank'd, bractes obscure.
acaulis. J. stemless. S. stemless
 ciliaris. J. herbaceous, leaves lanced, flowers opposite sessile, bractes and calyces brisply hispid longer than the flower. S.
verticillaris. J. villous, leaves egg'd intire, flowers axillary verticil'd sessile. S.
28. DIANTHERA. Cor. grinning. Capsule two-cell'd bursting with an elastic claw: each Stamina with two alternate Anthers. 63.

americana. 1. D. spikes solitary alternate. 28. DIANTHERA. Cor. grinning. Capsule two-cell'd bursting with an elastic claw: each Stamina with two alternate Anthers. 63.

comata. 2. D. spikes thread-form vertical'd; the inferior ones umbel'd.

malabarica. D. flowers panicked, pedicels two-or three-cleft, flowers two-calycied: the dorsal division larger. 5. malabar.

29. GRATIOLA. Cor. irregular, resupine. Stamina 2, barren. Capsule 2-cell'd.

officinalis. 1. G. leaves lanced saw'd, flowers peduncled. officinal.Hedge-Fly

Monniera. 2. G. leaves oval-oblong, peduncles one-flower'd, stem-cresping.

rotundifolia. G. leaves egg'd three-nerved. round-leaved.

byssoptoides. G. leaves lanced somewhat saw'd shorter than the stem-joint, byssophlike.

virginica. 3. G. leaves lanced obtuse somewhat tooth'd. virginian.

peruviana. 4. G. flowers subsefifile. peruvian.

1233. SCHWENKIA. Cor. subequal, the throat plaited glandular. Stamina 3 barren. Capsule 2-cell'd, many seeded.


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

pinnata. C. leaves feather'd. feather'd B.M.

perfoliata. C. leaves leaf-pierced spatule-arrow'd. S. leaf-pierced. B.M.

integrifolia. C. leaves undivided.

integrifolia. C. leaves egg'd undivided saw'd. S. intire-leaved.

Pinguicula. Cor. grinning, spur’d.

64. Two males. One female. Pinguicula.

31. Utricularia. Cor. grinning, spur’d. Cal. 2-leaved, equal. Caps. one-cell’d.

Utricularia. Cor. grinning, spur’d.

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.

Verbena. Cor. funnel-form.
DiANDRiA monogynia. Verbena. 65.

9. V. four-male, spikes cone-headed, leaves saw’d, stem-creeping. knot-flowering.

10. V. four-male, spikes fascicled, leaves lanced stem clasping. bologna.

11. V. four-male, spikes long pointed, leaves halberted. halberted.

caroliniana. 12. V. four-male, spikes thread-form, leaves undivided lanced saw’d obtusifh subsessile. carolina.

urticifolia. 13. V. four-male, spikes thread-form panicked, leaves undivided egg’d saw’d acute petioled. nettle-leaved.

14. V. four-male, spikes thread-form, leaves many-cleft-jagged, stems numerous spurios.

officinalis. 15. V. four-male, spikes thread-form panicked, leaves many-cleft jagged, stem solitary. officinal.

supina. 16. V. four-male, spikes thread-form solitary, leaves twice-feather-cleft.

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. retule. nolub foot. Water. hoehbound.

europaeus. 1. L. leaves sinuous-saw’d european. E.B.

virginicus. 2. L. leaves equally saw’d. virginian.

exaltatus. L. leaves feather-cleft-saw’d at the base. S. lofty.

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

taerula. 1. Amethystsea. blue. B.M.

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

mariana. 1. C. leaves egg’d saw’d, corymbs terminal two-fork’d, forked.

pulegoides. 2. C. leaves oblong twice-tooth’d, flowers verticil’d. pen-nyroyal-like.

thymoid. 3. C. leaves oval moft intirc, flowers verticil’d, stem four-corner’d. thyme-like.

aptata. C. leaves egg’d, flowers terminal, umbel roundish. S. beaded.

36. ZI-

*Ziziphora capitata.* 1. Z. fascicles terminal, leaves egg'd. headed.

*Z. hispanica.* 2. Z. flowers raceme-spiked, bractes inverse-egg'd nerved acute, leaves egg'd. slenderer.

*Z. tenuior.* 3. Z. flowers lateral, leaves egg'd. slenderer.

*Z. acinoides.* 4. Z. flowers lateral, leaves egg'd. acinos-like.

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

*B. M. var. fistulosa.* 1. M. heads terminal, stem obtuse-angled. piped.

*B. M. didyma.* 2. M. flowers headed almost like the class of TWO POWERS stem acute-angled. twin.

*Clinopodium.* 3. M. flowers headed, leaves most polish'd saw'd. clinopodium-like.

*P. punctata.* 4. M. flowers verticil'd, corols dotted, bractes colour'd. dotted.

*P. ciliata.* 5. M. flowers verticil'd, corols longer than the involucr. fringed.

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

*O. officinalis.* 1. Rosmarinus officinalis.

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

*S. aegyptiac.* 1. S. leaves lanced, toothletted, flowers peduncled. aegyptian.

*S. cretica.* 2. S. leaves lanced, calyxes two-leaved. cretan.

*S. lyrata.* 3. S., root-leaves lyred tooth'd, helmet of the corols shortest.

*S. officinalis.* 4. S. leaves lance-egg'd intire fine-notch'd, flowers spiked, calyxes acute. officinal.

*S. pomifera.* 5. S. leaves lance-egg'd intire fine-notch'd, flowers spiked, calyxes obtuse. pome-bearing.

*S. urticifolia.* 6. S. leaves egg-oblong double-saw'd, calyxes three-tooth'd: the highest division three-tooth'd. nettle-leaved.

38. S.
**fertina.** 38. S. leaves hearted saw'd soft, flowers raceme-spike'd, corols scarcely exceeding the calyx. late.

**viridis.** 6. S. leaves oblong notch'd, helmet of the corols semi-orbicular, calyces fruit-bearing reflected. green.

**Horminum.** 8. S. leaves obtuse notch'd, highest bractes barren larger colour'd. Clary:

**sylvetris.** 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.

**syraca.** 18. S. leaves hearted tooth'd: the inferior ones scallop'd, bractes hearted short acute, calyces downy. syrian.

**haematodes.** 11. S. leaves heart-egg'd wrinkled downy, calyces hifpid, roots tuberous.

**pratenfis.** 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 sefifile 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 lineous somewhat polished, corols narrower than the calyx. vervain.

**clandefline.** 15. S. leaves saw'd feather-cleft most wrinkled, spike obtuse, corols narrower than the calyx. clandestine.

**pyrenica.** 16. S. leaves obtuse gnaw'd, stamens twice as long as the corol. pyrenican.

**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, calyces three-cleft. hispani.

**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.

I 2
68. **TWO MALES ONE FEMALE.** Salvia.

- **paniculata.** 34. S. leaves inverse-egg-wedge-form toothletted naked, stem shrubby.
- **acetabulosa.** 35. S. leaves inverse-egg'd tooth'd, calyxes bell'd expanding hairy, stem shrubbyish.
- **spina.** 36. S. leaves oblong scollop'd, calyxes thorny, bractes hearted dagger'd concave.
- **S.** 37. S. leaves wrinkled hearted oblong villous saw'd, bractes colour'd longer than the calyx concave pointed.
- **ceratophylla.** 30. S. leaves wrinkled feather-cleft woolly, highest verticils barren.
- **Æthiopis.** 29. S. leaves oblong gnaw'd woolly, verticils woolly, lip of the corol notch'd, bractes recurvate thornyish.
- **pinnata.** 31. S. leaves lyre-feather'd
- **argentea.** 28. S. leaves oblong tooth-angled woolly, highest verticils barren, bractes concave, filvery.
- **ceratophaloides.** 37. S. leaves feather-cleft wrinkled villous, stem panicled most branchy.
- **Forskblei.** 37. S. leaves lyre-ear'd, stem almost leafless, helmet of the corol half two-cleft.
- **M.** 32. S. leaves hearted gnaw'd unequally at the base, stem naked, spikes bowing before floresecence. nodding.
- **Abys.** 31. S. leaves heart-egg'd wrinkled gnaw'd, bractes most intire smooth.
- **triloba.** S. downy, leaves petioled most wrinkled three-lobed: the intermediate lobe protruded oblong; lateral ones egg'd obtuse.
- **coccinea.** S. leaves hearted egg'd acute saw'd very softly downy underneath, racemeterminal verticil'd. S. scarlet.
- **aurita.** S. villous, leaves egg'd tooth'd ear'd, flowers verticil-spiked.
- **scabra.** S. rugged, leaves lyred tooth'd wrinkled, stem panicled branchy.
- **runcinata.** S. rugged, leaves runcinate-feather-cleft tooth'd, flowers spiked verticil'd.

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

- **canadensis.** 1. **COLLINSIONIA.**

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.

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


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

TWO FEMALES.

( Digynia. )


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

paniculat. 3. A. flowers panicked.

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

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

THREE
JO.  
TWO MALES.  THREE FEMALES.  Piper.  

THREE FEMALES.  
(Trigynia.)  

43. PIPER. Cal. o. Cor. o. Berry one-seeded.  
nigrum.  1. P. leaves egg'd mostly seven-nerved smooth, petioles simplest.  

Betle.  2. P. leaves oblongish pointed seven-nerved petioles two tooth'd.  

Malamiris.  3. P. leaves egg'd acutish rugged underneath: five nerves elevated underneath.  

Annales.  6. P. leaves lance-egg'd five-nerved wrinkled.  

Siriboa.  4. P. leaves unequallyhearted mostly seven-nerved vein'd.  

longum.  5. P. leaves hearted petioled and sessile.  

decumanum.  7. P. leaves hearted nine-nerved netted.  

reticulatum.  8. P. leaves hearted five-nerved netted.  

aduncum.  9. P. leaves egg-lanced; nerves alternate spikes hook'd.  


acuminatum.  11 P. leaves lance-egg'd nerved fleshy.  

obtusifol.  12. P. leaves egg'd nerveless.  

rotundif.  13. P. leaves orbicular solitary fleshy.  

maculosum.  14. P. leaves targetted egg'd.  

pellatam.  15. P. leaves targetted orbicular-hearted obtuse scollop'd, spikes umbell'd.  

dyslachion.  16. P. leaves egg'd spikes pair'd.  

umbellatum.  17. P. leaves hearted roundish acute vein'd, spikes umbell'd.  

trifolium.  18. P. leaves three-fold roundish.  


verticillatum.  20. P. leaves verticill'd egg'd three-nerved.  

Cubeba.  P. leaves oblique-egg'd or oblong vein'd acute, spike solitary peduncled opposite-leaved, fruit pedicel'd.  S.  

Capefe.  P. leaves egg'd nerved pointed: nerves villous.  S.  

retusum.  P. leaves inverse-egg'd retuse.  S.  

reflexum.  P. leaves four-fold egg'd obtuse reflected, stem furrow'd.  S.  

methystian.  P. leaves hearted many-nerved petioled, spikes axillary peduncled numerous.  S.  

CLASS.
CLASS III. THREE MALES. (Triandria.)

ONE FEMALE. (Monogynia)

* Flowers above.

44 Valeriana. Cor. 5-cleft, gibbous at the base. Seed single.
50 Melothria. Cor. 5-cleft, wheel'd. Berry 3-cell'd.
55 Crocus. Cor. 6-petal-like, erect-expanded. Stigmas convolute colour'd.
59 Iris. Cor. 6-petal-like: alternate petals reflected. Stigma petal-like.
60 Moræa. Cor. 6-petal-like: all the petals expanded.
58 Antholyza. Cor. 6-cleft tubular recurvate.
57 Gladiolus. Cor. 6-petal-like: 3 superior petals converging.
56 Ixia. Cor. 6-petal-like, expanding. Stigmas 3 simple.
1355 Dilatris. Cor. 6-petal'd, hairy. Stigma simple. Cal. none.

* * Flowers beneath.

61 Wachendorfia. Cor. 6-petal-like, expanding. Cal. none.
62 Commelina. Cor. 6-petal'd: 3 or 4 petals calyx-form. Nectary cross'd, petioled.
54 Hippocrates. Cor. 5-petal'd. Cal. 5-parted. Caps. 3. two-valved.
52 Loeplingia. Cor. 5-petal'd. Cal. 5-leaved. Caps. 1-cell'd.
1337 Willichia. Cor. 4-cleft. Cal. 4-cleft. Caps. 2-cell'd.
46 Tamarindus. Cor. 3-petal'd. Cal. 4-parted. Legum. succulent.
63 Callisia. Cor. 3-petal'd. Cal. 3-leaved. Caps. 2-cell'd.
47 Rumphia. Cor. 3-petal'd. Cal. 3-cleft. Drupe nucleus 3-cell'd.
48 Cneorum. Cor. 3-petal'd. Cal. 3-tooth'd. Berry 3-grain'd.
64 Xyris. Cor. 3-petal'd. Cal. 2-valved. Caps. 3-cell'd.
49 Comocladia. Cor. 3-parted. Cal. 3-parted. Style o. Drupe.

45 Olax.
THREE MALES.

45 Olax. Cor. 3-cleft. Cal. intire. Glans:
1289 Rotala. Cor. none. Cal. 3-tooth'd. Caps. 3-cell'd.
51 Ortega. Cor. none. Cal. 5-leaved. Caps. 1-cell'd.
53 Polycnemum. Cor. none. Cal. 5-leaved, 3-leaved underneath. Seed 1, naked.

** ** Flowers grasy with valvelets of the calyx-glume.

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-sided.
1357 Puirennia. Cor. 3-valved. Cal. none. Seed 3-sided, naked
1358 Pommereulla. Cor. 2-valved. Cal. top-like. Seed single.

TWO FEMALES.

(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 Cornucopææ. 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, including the corol.
73 Paspalum. Cal. 2-valved: valves roundish the figure of the corol.

79 Milium

The rest of the grasses disposed according to their sexes.

Polygynies. One House Six Males
Aegylops 3. Olyra Oryza
Cenchrus Coix Two Males
Scirpus Triculum Anthoxanthum
Apluda 6. Zizania
Holcus Pharyx 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 com-pres’d keel’d
90 Stipa. Cal. 2-valved. Cor. with awn terminal jointed.
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 acutifh.
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, awn-lefs.

∗ Dactylis glomerata.
∗∗∗∗ Spiked with Receptacle awl’d.

97 Secale. Cal. two-flower’d.
99 Triticum. Cal. many-flower’d.
98 Hordeum. Involucr six-leaved three-flower’d. Flower simple.
96 Elymus. Involucr four-leaved two-flower’d. Flower compound.
95 Lolium. Involucr one-leaved, one-flower’d. Flower compound.
87 Cynosurus. Involucr one-leaved lateral. Flower compound.
THREE MALES.

THREE FEMALES.

(Trigynia.)

* Flowers beneath.

104 **Holosteum.** Cor. 5-petal'd. Cal. 5-leaved. Caps. gaping at the top.

105 **Polycarpon.** Cor. 5-petal'd. Cal. 5-leaved. Caps. 3-valved.

109 **Lechea.** Cor. 3-petal'd. Cal. 3-leaved. Caps. 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. Caps. 3-valved, 3-seeded.

106 **Mollugo.** Cor. none. Cal. 5-leaved. Caps. 3-cell'd.

107 **Minuartia.** Cor. none. Cal. 5-leaved. Caps. 1-cell'd, many-seeded.

108 **Queria.** Cor. none. Cal. 5-leaved. Caps. 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.

* * Tillea.*

* * Flowers above.

102 **Proserpinaca.** Cor. none. Cal. 3-parted, above. Seed 1, 3-cell'd.
Valerians differ exceedingly in the fruitification: in the corolls being regular or irregular, in the stamens being 1 2 3 or 4. the fruit one-seeded or two-seeded, naked, crowned, having a pappus, &c.

Valeriana. Cal. o. Cor. 1-petal’d, gibbous on one side at the base, above. Seed 1. Valerian.

1. V. flowers one-male tail’d, leaves lanced most intire. *E.B.*

2. V. flowers one-male, leaves feather-cleft.

3. V. flowers two-male grinning, leaves egg’d sessile.

4. V. flowers three-male of the class two Houses, leaves feather’d most intire.

5. V. flowers three-male, leaves all feather’d.

6. V. flowers three-male, stem-leaves feather’d; radical ones undivided.

7. V. flowers three-male, leaves tooth’d: radical ones hearted; stem-leaves three’d egg-oblong. *three-winged*.

8. V. flowers three-male, leaves egg-oblong somewhat tooth’d, stem simple.

9. V. flowers three-male; leaves egg-oblong obtuse most intire.

10. V. flowers three-male, radical leaves lanced most intire; the rest feather-cleft.

11. V. flowers three-male, leaves somewhat tooth’d: radical ones egg’d; stem-ones linear-lanced. *rock*.

12. V. flowers three-male, stem-leaves hearted tooth’d petioled: the highest three’d. *pyrenean*.

13. V. flowers three-male, leaves three’d, stem climbing.

14. V. flowers three-male, leaves all hearted scollop lob’d *chinense*.

15. V. flowers three-male, stem two-fork’d, leaves linear. a. fruit *Soleuce*.
76. THREE MALES. ONE FEMALE. Valeriana.

oliteria. a. fruit simple. pootherb.
viscaria. b. calyces inflated; teeth 6 inflected; involucel 5-leaved 3-flower'd. bladder.
coronata. c. fruit six-tooth'd. crown'd.
discoidea. d. fruit twelve-tooth'd, salver-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. i7. V. flowers three-male, stem four-cleft, lowest leaves twice-feather-cleft, seed with pappus plumy.

echinata. i5. V. flowers three-male regular, leaves tooth'd, fruit linear three-tooth'd: the outermost larger recurvate. hedge-hog.
supina. i9. V. flowers four-male, involucels six-leaved three-flower'd, leaves intire. supine.

B.M. fibirica. i8. V. flowers four-male equal, leaves feather-cleft, seeds growing on the oval chaff. fibirian.

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

Zeylanica. i. OLAX. Ceylon.


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.

tricoccon. i. CNEORUM. Three-grain'd.

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

integrisol. 1. C. leaflets intire.
dentata. 2. C. leaflets thorn-tooth’d.

1337. WILLICHIA. Cal. 4-cleft. Cor. 4-cleft. 
Caps. 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. Caps. 3-cell’d, many-seeded.

verticillaris. 1. Rotala. verticil’d.

51. ORTEGIA. Cal. 5-leaved. Cor. 0. Caps. 1-cell’d. Seeds very numerous.

hispanic. 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. Caps. 1-cell’d, 3-valved.

hispanic. 1. Loeflingia. Spanish.

53. POLYCNEMUM. Cal. 3-leaved. Petals 5, calyx-form. Seed 1, nakedish. Many-花草.
arvense. 1. Polycnemum. field.

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

volubils. 1. Hippocratea. twining.

55. CROCUS
THREE MALES. ONE FEMALE. Crocus.


E.B. sativus. 1. C. spathe one-valved radical, corol with tube longest.
F. B. officinalis. a. autumnal with leaves narrower revolute at the margin.
B. M. vernus. b. vernal with leaves broader with margin expanded.

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

B. M. rosea. 12. I. scape one-flower'd leaflets shortest. rose.
B. M. Bulbocodium. 1. I. scape one-flower'd shortest, stem-leaves angular, stigmas fixfold.
uniflora. 11. I. scape one-flower'd, leaves sword-form, spathe torn.
B. M. minuta. I. Scapes one-flower'd S. minute.
B. M. pilosa. I. scape simple, leaves linear hairy. S. hairy.
capillaris. I. stem many-flower'd, flowers peduncled erect, leaves linear erect. S. capillary.
aloeceuroidea. I. stem simple, leaves linear, flowers imbricated. S. foxtail-like.
B. M. falcata. I. stem simple, leaves sickled. S. sickled.
linearis. I. stem simple, leaves linear convex striated. S. linear.
B. M. excisa. I. stem simple, leaves egg-oblong cut out on the interior side. S. cut.
fruticosa. I. stem shrubby branchy. S. shrubby.
B. M. corymbosa. 3. I. flowers corymbed peduncled, stem two-edg'd. corymbed.
hyalina. I. flowers yellow, petals glaftly on the side with a yellow line in the middle of the base. S. glaftly.

B. M. africana. 2. I. flowers headed, spathe's torn. african.
B. M. pentandra. I. flowers five-male, stamens curved, leaves sword form. S. five-male.
B. M. chinensis. 9. I. leaves sword-form, panicle two-fork'd, flowers peduncled. chinese.
B. M. bulbifera. 4. I. leaves linear, axils bulb-bearing, flowers alternate, stamens lateral. bulb-bearing.
B. M. flexuosa. 5. I. leaves linear, raceme winding many-flower'd. winding.
polytachia. 6. I. leaves linear, scape with spikes numerous. many-spiked.
TRIANDRIA. MONOGYNYA. Ixia.

Scillaris. 7. I. leaves sword-form striated, spike elongated. Squil.
maculata. 12. I. leaves sword-form, flowers alternate: with petals obscure at the base.
crocata. 8. I. leaves sword-form, flowers alternate: with petals glass-window’d at the base.
crispa. I. leaves awl’d curl’d, scape spik’d. S. curl’d.
pendula. I. leaves linear sword-form, stem panicked, racemes many pendulous. S. pendulous.
cinnamomea. I. leaves lanced waved, spike one-rank’d. S. cin-
gladiata. I. Styles three, culm naked compress’d, scales of the namon.
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. Stamens ascending. Cornflag.

imbricatus. 2. G. leaves sword-form, flowers imbricated. imbrica-
alatus. 4. G. leaves sword-form, lateral petals broadest.
plicatus. 5. G. leaves sword-form plaited villous, scape lateral, winged.
triflis. 6. G. leaves linear-crois’d, corols bell’d. sorrowful.
undulatus. 7. G. leaves sword-form, petals subequal lanced waved.
recurvus. 8. G. leaves sword-form, petals subequal lanced recur-
spicatus. 3. G. leaves linear, stem simplest, flowers spiked. spiked.
alopecu-
roides. 10. G. leaves linear, spike two-rank’d imbricated. sex-
anglus. 57. G. leaves linear, flowers distant, tube of the corols tail-like.
longer than the borders.
ramosus. 8. G. stem branchy, leaves linear.
capitatus. 6. G. stem branchy, heads peduncled, root tuberous.
tailed.
crispus. G. leaves lanc’d notch’d waved, flowers one-rank’d,
spikes two, tube thread-form long. S. curled.
junceus. G. leaves broad lanced, culm branchy, flowers one-
rank’d, style six parted. S. rusby.

G.
THREE MALES. ONE FEMALE. Gladiolus.

80. ANTHOLYZA. Cor. tubular, irregular, recurvate. Caps. beneath. Mod. flower.

58. ANTHOLYZA. Cor. tubular, irregular, recurvate. Caps. beneath. Mod. flower.

59. IRIS. Cor. 6-parted: with alternate petals reflected. Stigmas petal-form, flow'rn to Junc. * Bearded: with nectaries of reflected petals.

B.M. fusiana. 1. I. corols bearded, stem longer than the leaves one-flower'd.
TRIANDRIA. MONOGYNIA. Iris.

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 deflect ed petals flat; the erect ones end-nick'd. elder-like.
fqualens. 5. I. corols bearded, stem higher than the leaves many-flower'd, the deflect ed petals replaited the erect ones end-nick'd. fqualid.
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. Buch. pin. 33. 34. dwarf.
dichotoma. I. corol very thinly bearded, stem columnar elongate paneled, 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.
tricuspida. I. corols bearded, radical leaf sword-form, alternate petals three-cleft. S. three-piked.
minuta. I. corols bearded, leaves lanced smooth, alternate petals lanced. S. minute.

* * Beardlefs : with petals deflect ed polif'd,
pseud-Acor. 10. I. corols beardlefs, interior petals less than the stigma, leaves sword-form. Od. flom. 494. false Acorus.
feetidifima. 11. I. corols beardlefs; interior petals most expanded; stem one-angled, leaves sword-form. most fetid.
sibirica. 12. I. corols beardlefs, germs three-corner'd, stem columnar, leaves linear.
fiberian.
versicolor. 13. I. corols beardlefs, germs almost three-corner'd, stem columnar winding, leaves sword-form. colour-changing.

virginica. 14. I. corols beardlefs, germs three-corner'd, stem two-edg'd.

virginian. 15. I.
82. THREE MALES. ONE FEMALE. Iris.

B.M. martini-censis. 15. I. corols beardless, germs three-corner'd, petals with glandular pits at the base. martinoico.

B.M. spuria. 16. I. corols beardless, germs six-angular, stem columnar, leaves sublinear. spurios.

B.M. ochroleuca. I. corols beardless, germs six-angular, stem subcolun-
nar, leaves sword-form striated. pallid.

B.M. graminea. 17. I. corols beardless, germs six-angular, stem two-edged, leaves linear. gratty.

B.M. verna. 18. I. corols beardless, stem one-flower'd shorter than the leaves; root fibrous. vernal.

B.M. tuberosa. 19. I. corols beardless, leaves four-corner'd. tuberos.

B.M. Xiphium. 20. I. corols beardless, flowers twofold, leaves awl-chan-
nel'd shorter than the stem.

B.M. persica. 21. I. corol beardless, interior petals shortest most expand-
ed. persian.

B.M. Sisyrinchium. 22. I. corols beardless, leaves channel'd, bulbs double placed on each other.

B.M. tritis. I. corols beardless, stem branchy shaggy, leaves longer sword-form smooth. S. forrrewful.

B.M. pavonia. I. corols beardless, with radical leaf sword-form smooth, stem simple. S. peacock.


B.M. viscaria. I. corols beardless, leaves linear flat, petals expanding, stem viscos. S. viscos.

B.M. bituminosa. I. corols beardless, leaves sword-form spiral, petals reflected, stem viscos. S. bituminous.

B.M. crispa. I. corols beardless, leaves sword-form revolute curl'd, petals expanding. S. curl'd.

B.M. edulis. I. corols beardless, with radical leaf sheathing the scape linear channel'd very long, exterior lip of the stigma intire. S. eatable.

B.M. ramosissima. I. corols beardless, leaves sword-form flat, stem pani-
cled very branchy obtusely three corner'd. S. most branchy.

B.M. setifolia. I. corols beardless, leaf thread-form smooth, stem sim-
ple, spathe membanans. S. pell-l-leaved.

B.M. spatulata. I. corols beardless, leaves sword-form smooth striated rigid, spathe awl'd very long. S. spatuled.

60. MORÆRA.
60. MORÆA. Cor. fix-petal’d ; 3 interior petals expanding; the rest like Iris.

vegeta. 1. M. leaves channel’d.   vegete.  
juncea. 2. M. leaves awl’d.   rusby.   B.M.  
iridiodes. 3. M. leaves sword-form.   iris-like.   B.M.  
polyanthos. M. stem very branchy, leaves awl’d smooth, alternate petals lefs, stigmas two-cleft. S. many-flower’d.  
spatheceae. M. scape columnar, leaves columnar expanding long, flowers aggregate headed. S. spathe.  
lugens. M. stem two-edged one-or-two-flower’d, leaves sword-form; the lowest ones almost sickled, flowers terminal. S. mauring.  
spiralis. M. stem compress’d jointed many-flower’d, leaves sword-form erect, flowers axillary. S. spiral.  
aphylla. M. scape compress’d naked very smooth, spathe very long awl’d, flowers headed. S. leaflets.  
flexuosa. M. stem columnar jointed branchy, leaves flat loose revolute, spike winding. S. winding.  
Irispetala. M. leaves grassy, three greater petals bearded. S. Iris-petal’d.  
juncea. a. the scales of the bulb distinct at the base. S. rusby.  
vegeta. b. the scales of the bulb connected at the base. S. vegeta.  

61. WACHENDORFIA. Cor. fix-petal’d, unequal, beneath. Caps. three-cell’d above.

thyrsiflora. 1. W. scape simple.   thyrs-flowering. B.M.  
paniculata. 2. W. scape many-spiked.   panned. B.M.  
umbellata. W. umbel two-cleft racemed. umbel’d. B.M.  
graminifolia. W. stem many-spiked phaggy, leaves sword-form channel’d smooth. S. grass-leaved.  

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

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

communis. 1. C. corols unequal, leaves egg-lanced acute, stem creeping smooth.  
common. 2. C.  
L. 2.
84. THREE MALES. ONE FEMALE. Commelina.

B.M. africana. 2. C. corols unequal, leaves lanced smooth, stem decumbent. africiana.
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. erecta.

* * 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. tuberosa.
Zanonia. 7. C. corols equal, peduncles thicken’d, leaves lanced: with the concerned shaggy on the margin, bractes double.
vaginata. C. corols equal, leaves linear, flowers two-male theathed by the involucre. bheathed.
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. Caps. two-cell’d.


64. XYRIS. Cor. 3-petal’d, equal, notch’d. Glumes 2-valved in a head. Caps. above.

indica. Xyris. indian.

65. SCHOENUS. Glumes chaffy, one-valved, collected. Cor. o. Seed 1. roundish between the glumes. VVog-mak.

* With Culm columnar.

E.B. Marifcus. 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.
mucronatus. 3. S. culm columnar naked, spikelets egg’d fascicled, involucre mostly fix-leaved, leaves channel’d. dagger’d.

E.B. nigricans. 5. S. culm columnar naked, head egg’d, one valvelet of the two-leaved involucre awl’d, long. black.

6. S.
TRIANDRIA. MONOGYNIA. Schoenus. 85.

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

* With Culm columnar.

**articulatus.** 1. C. culm columnar naked jointed.  

**minimus.** 2. C., culm columnar naked, spikes under the top. small-

**lateralis.** C. culm roundish naked, spike lateral secaline. S. lateral.  

**Monti.** C. culm round umbel superficially-decompounded, leaves with a keel glossy. S.

**tenellus.** C. culm naked bristly, spikes solitary and double secaline. S. tender.

* With Culm three-sided.

**monspachios.** C. culm three-sided naked, spike simple egg'd terminal: with scales dagger'd. one-spired.

**leveigatus.** C. culm three-sided naked, head two-leaved, flowers polished.

**ferrugineus.** 6. S. culm columnar naked, spike double, the greater valvelet of the involucre equalling the spike. iron.

**fusus.** 9. S. culm columnar leafy, spikelets subfascicled, leaves thread-form channel'd. brown.

**compar;** S. culm columnar naked, spike compound, 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. colou'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 compundued, subsecaline, leaves sword-form keel'd. warm.

**albus.** 12. S. culm almost three-sided leafy, flowers fascicled, leaves bristly. Col. am. 320. white.
85. THREE MALES. ONE FEMALE. Cyperus.

Hesperan. 4. C. culm three-sided leafy, umbel super-decompound, spikelets umbel-sessile.

E.B.   longus. 5. C. culm three-sided leafy, umbel leafy super-decompound, 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 decompound, spikes alternate linear. round.

suarroso. 3. C. culm three-sided naked, umbel leafy glomerated, spikes frigated. ragged.

diformis. 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 decompound, spikelets alternate, grains distinct. Iris.

elatus. 10. C. culm three-sided naked, umbel leafy super-decompound, spikes finger'd imbricated, spikelets awl'd. elate.

glomeratus. 12, C. culm three-sided naked, umbel three-leaved super-decompound, 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.

elogans. 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 decompound simply leafy, pedicels piked two-rankwise. odorous.


flavescens. 15. C. culm three-sided naked, umbel three-leaved, peduncles simple equal, spikes crowded lanced. yellow.

E.B:   fuscus. 16. C. culm three-sided naked, umbel three-cleft, peduncles simple unequal, spikes crowded linear. brown.

punilis. 17. C. culm three-sided naked, umbel two-leaved compound, 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.
TRIANDRIA. MONOGYNIA. Cyperus. 87.

18. C. culm three-sided naked, umbel simple, spikelets linear most crowded horizontal. lance-bristled.

19. C. culm three-sided spikelets of umbel headed oblong sessile, involucres longest rough-faw’d. ribbon.

Papyrus. 20. C. culm three-sided naked, umbel longer than the involucres, involucels three-leaved briskly 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.

densiflorus. C. culm three-sided, involucres scarcely any. S. naked.


Pannonicus. C. culm three-sided, spikes sessile, glumes lateral spicate. S. Pannonian.

67. SCIRPUS. Glumes chaffy, imbricated on all sides. Cor. o. Seed i. beardless. cubrush.

* 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. Cœl. d. n. 273. marsh.

geniculatus. 5. S. culm columnar naked, spike oblong terminal. knotted.

cespitosus. 6. S. culm striated naked, spike two-valved terminal the length of the calyx, roots divided by a scalelet. Cœl. d. n. 167. turf.

capitatus. 3. S. culm columnar naked bristle-form, spike subglobose terminal. headed.

acinularis. 7. S. culm columnar naked bristle form, spike egg’d two-valved, seeds naked. Cœl. d. n. 287. needle.

fluitans. 8. S. culms columnar naked alternate, stem leafy flaccid. floating.
S. culm round striated naked sheathed at the base, sheath lop'd, spikes terminal few-flowered 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.

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


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

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

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

14. S. culm two-edged naked, umbel decompounded, spikelets egg'd.

15. S. culm triangular naked pointed, spikes conglomerated sessile lateral.

16. S. culm three-sided naked, umbel decompounded spikes of the fork sessile.

17. S. culm three-sided naked, umbel simple, spikes egg'd.

18. S. culm three-sided, umbel simple, florets of the spikes retrofract'd.

19. S. culm three-sided naked, subgloboal, involucres the length of the panicle fringed.

20. S. culm three-sided naked, umbel naked, spikes oblong sessile and terminal.
TRIANDRIA. MONOGYNIA. Scirpus. 89.

Irispicatus. S. culm angled naked, spikes terminal three’d seffile naked. S.

grossus. S. culm three-sided naked, umbel super-decompounded, spikes pedicel’d, involucre three-leav’d lance-awl’d longest. S. green-

** ** With Culm three-sided, Panicle leafy.

miliaceus. 22. S. culm three-sided naked, umbel super-decompounded with intermediate spikes seffile, involucre briffly.

cyperoides. S. culm three-sided naked, umbel simple, spikelets oblong, florets awl’d one-flower’d reflected.

maritimus. 21. S. culm three-sided, panicle conglobulate leafy, scales of the spikelets three-cleft: with the intermediate one awl’d. *Bauhinia. 15. Geran.* sea.
luzule. 23. S. culm three-sided naked, umbel leafy proliferous, spikelets roundish.


*Oed. Lam. 307.*
corymbosus. 25. S. culm three-sided leafy, corymbs lateral simple; with a terminal one proliferous, spikes awl’d.

squierrosus. S. culm columnar naked briffly, spikes threefold seffile egg’d ragged.

intricatus. S. culm three-sided naked, umbel leafy simple, calyx-scales awl’d recurved.

michelianus. 26. S. culm three-sided, head globular, involucre many-leav’d long.

*E.B.*
ciliaris. S. culm three-sided leafy, umbels scattered, calyx-scales with awns fringed.

** ** With Culm three-sided, head terminal.

hottentottus. S. culm three-sided leafy, head globular, calyx-scales lanced thaggy.

antarcticus. S. culm three-sided naked, head globular, involucre one-leav’d.

cephalotes. 27. S. culm three-sided naked, head egg’d ragged, involucre three-leav’d long.

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.

E.B 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.

E.B. alpinum. 5. E. culms naked three-sided, spike shorter than the pappus.

69. NARDUS. Cal. o. Cor. 2-valved. Nardus Matt'groes

E.B. striata. 1. N. spike bristly straight one-rank'd. upright.

gangitias. 2. N. spike recurved.

ari/atus. 3. N. calyxes awned.

ciliaris. 4. N. spike incurved fringed. fringy.

indica. N. spike bristly one-rank'd subincurvate. S. indian.

Thomtea. 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.

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 viscos. S. viscos.

paniculata. D. petals lanced, panicle oblong villous viscos. S. panicked.

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


triceps. K. heads terminal mostly three'd glomerate sessile. S. three-headed.

panicosa. K. umbel terminal: with spikes sessile and peduncled cylindrical imbricated, univerfal involucre mostly four-leaved, no partial one. S. panic. K.

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

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

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

**1358. Pommereullula.** Cal. toplike, two-valved; Valvlets four-cleft, awn’d on the back. *S.

**Pommereullula.** S. cornucopiae. *Pommereullula. S. born of plenty.*

**Two Females, (Digynia.)**


**Cucullatum.** 1. C. spike awnless, cowl notch’d. *Cowl’d.*

**Allopecuroides.** 2. C. spike awn’d, receiv’d in an hemispherical cowl. *Foxtail-like.*

**73. Saccharum.** Cal. 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.*

**Ravenna.** S. panicle loose with rachis wool’d, flowers awn’d. *Ravenna.*

**I. Sicicum.** 2. S. flowers spiked, leaves waved. *Spiked.*

S.
92. THREE MALES. TWO FEMALES. Saccharum.

Teneriffæ. S. leaves awl'd flat, flowers panicled awn-lefs, no hairy involucre, calyx very villous. S. Teneriff.

spontaneum. S. leaves convolute, panicle effuse: with spikes capillary simple, flowers remote involucred double: with one peduncled. S. spontaneum.

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

E.B. canariensis. Ph. panicle somewhat egg'd spike-form, glumes keel'd:

bulbos. 2. Ph. panicle cylindric, glumes keel'd:

nodosa. Ph. panicle oblong, leaves stiffening.

aquatica. 3. Ph. panicle spike-form egg-oblong, glumes keel'd lanced.

E.B. Phleoides. 5. Ph. panicle cylindric spike-form smooth occasionally viviparous. cod. dom. 259 reedy.

uriculata. 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-bitten.

arundinacea. 6. Ph. panicle oblong bellied large. cod. dom. 259 reedy.

eruciformis. 7. Ph. panicle one-rank'd linear, calyxes two-flower'd.

caterpillar-like.

zizanoides. Ph. panicle simplex, flowers murex'd; one sessile.

zizania-like.

oryzoides. 8. Ph. panicle effused, keels of the glumes fringed. rice-like.

tentata. 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.

dilatatum. 1. P. spikes alternate, rachis membranous, flowers alternate hairy at top.

dissectum. 1. P. spikes alternate, rachis membranous, flowers alternate hairy at top. dissected.

ferricula- 5. P. spikes alternate, rachis membranous, flowers alternate, calyxes many-nerved dimpled. dimpled.

virgatum. 2. P. spikelets panicled alternate villous at the base, flowers double. twiggy.
TRIANDRIA. DIGYNIA. Paspalum. 93.


sum.   3. P. spikes columnar, involucels one flower’d, fascicle-bristled, culms erect branchy above. 

distichum. 4. P. spikes two, the alternate one sessile, flowers pointed.  

two-rank’d.

76. PANICUM. Cal. 3-valved: third valvelet least. Panicum.  

* 3-valved.  

polystachion. 2. P. spikes columnar, involucels one flower’d, fascicle-bristled, culms erect branchy above. many-spiked.  

verticilla- 3. P. spike verticil’d, racemelets fourfold, involucels one-flower’d two-bristled, culms diffuse verticil’d.  

tum  

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. ital.  

Crus-cervi. 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.  

columnum. 10. P. spikelets alternate one-rank’d awnlefs egg’d rug’d, 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. hake’d.  

birtellum. 7. P. spike compound: spikelets appress’d alternate, calyxes double: all the valvelets awn’d: the outmost longest. shaggyish.  

conglomerate. P. spike one-rank’d somewhat egg’d, florets obtuse. conglomerate.  

conglomera- 

tum.  

fanguinale. 13. P. spikes finger’d knotted on the interior base, florets double awnlefs, sheathes of the leaves dotted. bloody.  


15. P.
Three males, two females. Panicum.

filiforme. 15. P. spikes somewhat finger'd approximated creēt linear, rachis winding: with teeth two-flower'd, one sessile.

lineare. 16. P. spikes finger'd mostly fourfold linear, florets solitary one-rank'd awnlesis. thread-form.

disflachion. 17. P. spikes double one-rank'd polish'd. two-spiked.

calvus. P. spike compound, spikelets oblong scatter'd appres'sd, florets crowded, calyxes dagger-awn'd, tall.

compositum. 11. P. spike compound, spikelets linear one-rank'd, florets remote, calyxes awn'd. compound.

balvium. P. spike round, involucel one-flower'd fascicle-bristled, seeds nerved. 

* * panicked.


tamjum. 29. P. panicle with simple branches, flowers mostly three-fold, the lower one sub sessile, culm branchy, forked.

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 flaccid, glumes dagger'd nerved. mille.

capillare. 20. P. panicle capillary erect expanding, sheaths of the leaves flaccid. 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.

clandesi- 19. P. racemes hidden amidst the sheaths of the leaves. clandestine.


curvatum. P. panicle racemel, glumes curved obtuse nerved.

dirgatum. 28. P. panicle twiggy, glumes pointed polish'd: the out-most gaping. twigg.


brevifolium. 25. P. panicked, sheaths of the leaves longitudinally fringed. short-leaved.

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

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

4. P. spike egg'd fringed, culm branchy. E.B.  
5. P. spikes egg'd obvolute, leaves shortest, stamen-clasping. Schoenus-like.

78. ALOPECURUS. Cal. 2-valved. Cor. r-valved.

1. A. spike columnar; involucels brisly fascicled two-flow' er'd, peduncles villous. E.B.  
2. A. spike cylindric, root bulbous. bulbous. E.B.  
3. A. spike egg'd fringed, culm branchy. E.B.  
4. A. spike egg'd fringed, culm branchy. E.B.  
5. A. spike egg'd obvolute, leaves shortest, dagger'd stamen-clasping. Schoenus-like.


1. M. panicle capillary, calyxes pointed, corols awn'd. E.B.  
2. M. panicle capillary, calyxes pointed, corols awn'd. E.B.  
3. M. panicle capillary, calyxes pointed, corols awn'd. E.B.  
4. M. panicle subspiked, flowers awn'd. E.B.  
5. M. branches of the panicle simple, flowers alternate double one-rank'd. dotted.
### 96. Three Males. Two Females. Milium.

**E.B.**

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<tr>
<td><strong>effusum.</strong></td>
<td>1. M. flowers panicled dispersed awnless.</td>
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<tr>
<td><strong>consertum.</strong></td>
<td>2. M. flowers panicled crowded.</td>
</tr>
<tr>
<td><strong>paradoxum.</strong></td>
<td>3. M. flowers panicled awn'd.</td>
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### 80. AGROSTIS. Cal. 2-valved, one-flower'd; somewhat less than the corol. Stigmas longitudinally hispid.

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<tr>
<td><strong>spicaventi.</strong></td>
<td>1. A. exterior petal with awn upright straight longest; panicle expanded.</td>
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<tr>
<td><strong>interrupta.</strong></td>
<td>5. A. exterior petal awn'd, panicle attenuated contracted interrupted.</td>
</tr>
<tr>
<td><strong>miliacea.</strong></td>
<td>2. A. exterior petal with awn terminal straight striated middle size.</td>
</tr>
<tr>
<td><strong>bromoides.</strong></td>
<td>16. A. panicle simple narrow'd, corol pubescent: with awn straight longer than the calyx. bromus-like.</td>
</tr>
<tr>
<td><strong>australis.</strong></td>
<td>17. A. panicle subspiked, seeds egg'd pubescent: awn the length of the calyx. southern.</td>
</tr>
<tr>
<td><strong>arundinacea.</strong></td>
<td>3. A. panicle oblong, exterior petal villous at the bafe, and with awn twisted longer than the calyx. reedy.</td>
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### Calamagrostis.

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<tr>
<td>4. A. panicle thicken'd, the whole exterior petal woolly awn'd at the top, culm branchy.</td>
<td>Schouw. spin, 140.</td>
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### Ferotina.

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<tr>
<td>18. A. panicle with florets oblong dagger'd, culm cover'd with shortest leaves.</td>
<td>late.</td>
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### Rubra.

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<tbody>
<tr>
<td>7. A. calyxes elongated, dorsal awn of the petals recurved, culms prostrate rather branchy.</td>
<td>dog's.</td>
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### Matrella.

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<tr>
<td>5. A. flowers racemed, exterior valvelet of the calyx incurved, the top only of the keel gaping.</td>
<td>S. spike-forme.</td>
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### E.B.

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<tr>
<td>8. A. branchlets of panicle expanding awnless, culm creeping, calyxes equal.</td>
<td>flore-bearing.</td>
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16. *silvatica.* A. panicle condensed awnless, calyxes equal: the virgin ones shorter than the corol, the secundated one twice as long. *wood.


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


N. *Stillingia.* A. nod. congl. 30, rid. displ. flores 5; pilosius glabre.
98. THREE MALES. TWO FEMALES. Agrostis.


F.B. canescens. 12. A. leaves bristly: the spathy summit roll'd up beneath against the panicle. heay.


F.B. villosa. A. leaves awl'd, panicle elongated narrow'd, florets one and half flaggy awn'd: awn straight short. S. villous.

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.

F.B mutans. 2. M. petals beardless, panicle nodding simple. nodding.

minuta. 5. M. culm branchy, leaves bristly, petals beardless. minute.

F.B. caerulea. M. panicle condensed, flowers cylindric. blue.

papilionacea. 4. M. inferior valvelet of the calyx largest colour'd, exterior petal somewhat fringed, papilionacens.

altissima. 3. M. petals beardless, panicle most branchy. tallfe.

Falk. M. spike one-rank'd compres'd imbricat. S. Sickle.

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


F.B. alpina. 3. P. panicle diffuse most branchy, spikelets six-flower'd hearted. alpine.

F.B. 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.

F.B. pratensis. 6. P. panicle diffuse, spikelets five-flower'd smooth, culm erect columnar. meadow.

F.B. annua. 7. P. panicle diffuse with right angles, spikelets obtuse, culm oblique compress'd. stilling. annual.

flava. 8. P. panicle diffuse, spikelets egg-oblong glossy. yellow.

pilosa. 9. P. panicle expanding upright: the primary ramifications hairy. hairy.

2. P.
TRIANDRIA DIGYNIA. Poa. 99.

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.


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.


Tenella. 25. P. panicle oblong capillary subverticil'd, flowers hx-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 compress'd. rigid.

Amboinensis. 18. P. panicle attenuated, spikelets mostly two-flower'd dagger'd rugged, culm incurved. grove.

Bulbofa. 19. P. panicle one-rank'd rather expanding, spikelets four-flower'd. bulbos.

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. crest.

Ciliaris. 20. P. panicle contracted, interior valvelets of the glumes hair-fringed. fringed.

Brizoides. P. panicle racemned, spikelets egg'd compress'd eight or nine-flower'd, culm compress'd. S. Brizalike.

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

Minor. 1. B. spikelets triangular, calyx longer than the florets. 1st.

N 2.
100. Three males. Two females. Briza.

vires. 2. B. spikelets egg'd, calyx equal to the florets, flourishing.
media. 3. B. spikelets egg'd, calyx shorter than the florets.
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.
bipinnata. 2. U. panicle subspiked, racemes feather'd imbricated underneath.
mucronata. 3. U. spike two-rank'd, spikelets egg'd, calyxes some-
what awn'd.
spicata. 4. U. subspiked, leaves involute rigid.

86. DACTYLIS. Cal. 2-valved, compres'd; one valvelet greater keel'd. Cock's foot.
cynosuroides. 1. D. spikelets scatter'd one-rank'd rugged numerous.
glomerata. 2. D. panicle one-rank'd glomerate.
ciliaris. 3. D. spike headed one-rank'd, calyxes three-flower'd,
stem creeping.
capitata. 4. D. spikes headed polished, culm prostrate branchy.
lagopoides. 3. D. spikes roundish pubescent, culm prostrate branchy.

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

echinatus. 2. C. bractes feather-chaffy awn'd. hedgehog.
Lima. 3. C. spike one-rank'd, interior glume of the calyx under
the spikelets.
durus. 4. C. spikelets one-rank'd alternate sessile rigid obtuse
appress'd.
cæruleus. 5. C. bractes intire.
uniola. 6. C. bracteoles, spike one-rank'd, spikelets two-faced,
alternating appress'd egg'd keel'd oblique.
loracanus. 9. C. spikes finger'd incurvate, culm compres'd erect
leaves almost opposite.

7. C.
TRIANDRIA. DIGYNIA. Cynosurus. 101.

\[\text{egyptius.} \quad 7. \quad \text{C, spikes finger'd fourfold obtuse most expanding dagger'd, calyxes dagger'd, stem creeping leaves opposite.} \quad \text{egyptian.}\]

\[\text{indicus.} \quad 8. \quad \text{C, spikes finger'd linear, culm compress'd declined knotted at the base, leaves alternate.} \quad \text{indian.}\]

\[\text{virgatus.} \quad 6. \quad \text{C, panicle with simple branches, flowers sessile mostly six-flower'd: the last barren, the lowest ones somewhat awn'd.} \quad \text{twiggy.}\]

\[\text{aureus.} \quad 10. \quad \text{C, spikelets of the panicle barren pendulous three'd, flowers awn'd.} \quad \text{golden.}\]

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

* panicle one-rank'd.

\[\text{bromoides.} \quad 10. \quad \text{F, panicle one-rank'd: spikelets erect, one valvelet of the calyx intire, one pointed.} \quad \text{bromus-like.}\]

\[\text{ovina.} \quad 1. \quad \text{F, panicle one-rank'd condened awn'd, culm four-corner'd nakedish, leaves briskly.} \quad \text{sheep's feet.}\]

\[\text{rubra.} \quad 5. \quad \text{F, panicle one-ranked rugged, spikelets six-flower'd awn'd: last floret awnlefs, culm semi-columnar.} \quad \text{red.}\]

\[\text{amethystiza.} \quad 6. \quad \text{F, panicle winding, spikelets one-rank'd inclined somewhat awn'd, leaves briskly.} \quad \text{amethyst.}\]

\[\text{reptatrix.} \quad 2. \quad \text{F, branches of the panicle simple, spikelets subseffile.} \quad \text{creepers.}\]

\[\text{durincula.} \quad 3. \quad \text{F, panicle one-rank'd oblong, spikelets oblong polished, leaves briskly.} \quad \text{hardish.}\]

\[\text{dumetorum.} \quad 4. \quad \text{F, panicle spike-form pubescent, leaves thread-form.} \quad \text{husk.}\]

\[\text{myurus.} \quad 8. \quad \text{F, panicle spiked, calyxes minuteest awnlefs, flowers rugged: awns long.} \quad \text{mousetail.}\]

\[\text{spadicea.} \quad \text{F, panicle one-rank'd, calyxes five-flower'd: the last floret barren, leaves polished.} \quad \text{spadix.}\]

\[\text{phaniceoides.} \quad 16. \quad \text{F, raceme undivided, spikelets alternate subseffile columnar, leaves involute dagger-pungent.} \quad \text{phanix-like.}\]

* * panicle equal.

\[\text{fusca.} \quad 7. \quad \text{F, panicle erect branchy, spikelets seffile keel'd awnlefs.} \quad \text{brown.}\]

\[\text{decumbens.} \quad 12. \quad \text{F, panicle erect, spikelets rather egg'd awnlefs, calyx greater than the florets, culm decumbent.} \quad \text{de-}\]

\[\text{ced. dom. 162.}\]
102. THREE MALES. TWO FEMALES. Festuca.


crisata. 15. F. panicle spiked lobed, spikelets egg'd broad six-flower'd thaggy. cristaed.

calyx. 11. F. panicle contracted, spikelets linear, calyx longer than the florets, leaves bearded at the base. calyx.

spinosa. F. thg'by, branches and branchlets thorny, pedicels prickly. S. thorny.

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

E.B. fiocalinus. 1. B. panicle expanding, spikelet egg'd: awns straight seeds distinct. B. fiocalinus.

E.B. mollis. 2. B. panicle erectish, spikelets egg'd pubescent: awns straight, leaves most softly villous. fift.

E.B. squarrosus. 2. B. panicle nodding, spikes egg'd: awns divaricated. fift.

purgans. 4. B. panicle nodding curled, leaves naked on both sides: sheaths hairy, glumes villous. purgative.


inermis. B. panicle erect, spikelets subcolumnar awl'd naked almost awnlefs. unarm'd.

memoralis. B. panicle nodding rugged, spikelets villous awn'd leaves rugged. grove.

tiliatus. 5. B. panicle nodding, leaves and sheaths hairyish on both sides, glumes fringed. fringed.

E.B. aferilis. 6. B. panicle expanded, spikelets oblong two-rank'd, glumes awl-awn'd. aferile.

E.B. arvensis. 7. B. panicle nodding, spikelets egg-oblung. field.

geniculatus. 19. B. panicle erect, florets distant, peduncles angled, culm with a procumbent knee. knotted.

tectorum. 8. B. panicle nodding, spikelets linear. wall.


rubens. 10. B. panicle fascicled, spikelets subesfulve villous: awns erect. blushing.

teparius. 11. B. panicle fascicled, spikelets subesfulve smooth: awns expanded. brush.
TRIANDRIA. DIGYNIA. Bromus. 103.

rigens. 18. B. panicle spiked: spikelets subsefifile 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. racem'd.
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.
ramosus. 20. B. culm most branchy, spikelets sessile, leaves involute-awl'd. branchy.
pinnatus. 14. B. culm undivided, spikelets alternate subsefifile columnar somewhat awn'd. feather'd. felis plana.
crispatus. 15. B. spikelets two-rankwise imbricated sessile depress'd. crest'd.
disflachyos. 17. B. spikes two erect alternate. two-spiked.
flipoides. 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. Jehosaphat.
pennata. 1. S. awns woolly.
juncea. 3. S. awn naked straight, calyces longer than the seed polish'd within.
capillata. 2. S. awns naked curved, calyces longer than the seed, leaves pubescent within.
Aristella. S. awns naked straight scarcely twice as long as the calyx. hairy.
spicata. S. awns half-naked, flowers spiked. S. spiked.
tenacissima. 4. S. awns hairy at the base, panicle spiked, leaves thread-form.
avenacea. 5. S. awns naked, calyces equaling the seed. oat.
membranacea. 6. S. pedicels dilated membranous, membranous.
arguen. 7. S. awns naked, bractes bearded at the base, florets sessile-fascicled.
spinifex. 8. S. florets awnless, bractes of the heads fascicled greatest dagger'd.

91. AVENA.
104. THREE MALES. TWO FEMALES. Avena.

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

†librica. 1. A. panicled, calyxes one-flower'd, seeds shaggy, awn thrice as long as the calyx.

E.B. elatior. 2. A. panicled, calyxes two-flower'd, the hermaphrodite floret almost awnless, the male one awn'd.

†ripiformis. 15. A. panicled, calyxes two-flower'd, awns twice as long as the seed, culm branchy. †slip-form.

penstemonica. 3. A. panicle attenuated, calyxes two-flower'd, seeds villous, awns twice as long as the calyx. pen- sylvanian.

læslingiana. 4. A. panicle contracted, florets two fold, one peduncled, both two-awn'd at top, awn on the back reflect-ed.

fativa. 5. A. panicled, calyxes two-seeded, seeds polish'd one awn'd.

cultivated.

nuda. 6. A. panicled, calyxes three-flower'd, receptacle exceed-ing the calyx, petals awn'd on the back: the third floret awnless. naked.

E.B. fatua. 7. A. panicled, calyxes three-flower'd, all the florets awn'd and hairy at the base.

†squitertia. 15. A. panicled, calyxes chiefly three-flower'd, all the florets awn'd, receptacles bearded. †squisitertian.

E.B. pubescens. 13. A. subspiked, calyxes chiefly three-flower'd hairy at the base, leaves flat pubescent. pubescent.

sterils. 8. A. panicled, calyxes five-flower'd: the exterior florets and awns hairy at the base, the interior awnless.

sterile.

E.R. flaveescens. 9. A. panicle loose, calyxes three-flower'd short, all the florets awn'd.

fragilis. 10. A. spiked, calyxes four-flower'd longer than the floret.

yellowish.

pratenis. 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.


purpurea. A. panicle condensed, calyxes three-flower'd egg'd, corols villous: exterior glume two-cleft, awn terminal inflected. S. purple.


TRIANDRIA. DIGYNIA. Avena. 105.

lutea. A. panicle expanding, calyces two-flower’d awl’d, corols naked three-awn’d; intermediate awn winding. S. yellow.

laetlingiana. A. panicle condensed, florets two-fold’ thaggy: one peduncled two-awn’d at top, intermediate awn longer. S. laetlingian.

tupulina. A. panicle condensed egg’d, calyces three-flower’d lanced, corols villous, exterior glume twice-awl’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. Hare’s tail.

eyvatus. 1. L. spike egg’d awn’d. egg’d. E.B.
cylinicus. 2. L. spike cylindric awnless. cylindric.

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


Donax. 2. A. calyxes five-flower’d, panicle diffuse, culm frub-

phragmitis. 3. A. calyxes five-flower’d, panicle loose. hedge, E.B.

epigéios. 4. A. calyxes one-flower’d, panicle erect, leaves smooth underneath. land, E.B.

Calomagrostis. 5. A. calyxes one-flower’d polish’d, corols woolly, culm branchy. sec. ann. 280.

arenaria. 6. A. calyxes one-flower’d, leaves involute dagger-pun-
gent. sand, E.B.

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

adscensionis. 1. A. panicle branchy, spikes scatter’d. ascension.
americana, 2. A. branches of the panicle simplest, spikes alternate. american.

plumosa. 3. A. panicled, intermediate awn longer woolly, culms villous. plummy.

arundinacea, A. panicled, intermediate awn longer polish’d. reed.
gigantea, A. panicle elongated effuse one-rank’d, calyces one-

flower’d, corol-awns subequal straight. S. giant, A.
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'ed, many-flower'd.

**E.B.** perenne. 1. A. spike awnless, spikelets comprefs'd many-flower'd. perennial.

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

**E.B.** temulentum. 3. L. spike awn'd, spikelets comprefs'd many-flower'd. drunken.
distachion. L. spike two'd, calyxes one-flower'd, corols woolly. two-spired.

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

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

fibiricus. 3. E. spike pendulous close, spikelets two'd, longer than the calyx. fiberian.

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.

**E.B.** 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.

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

caputmadusae. 6. E. spikelets two-flower'd, involucres 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.

orientalis. 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.

1. H. florets all hermaphrodite awn'd: with two orders more erect. common.
2. H. florets all hermaphrodite awn'd, seeds placed equally six-wise. six-rank'd.
3. H. florets lateral male awnlefs, seeds angular imbricataed. two-rank'd.
4. H. florets lateral male awnlefs, seeds angular expanding bark'd.
5. H. florets all threefold fertile awn'd, involucres briskly fringed. bulbous.
6. H. florets lateral male awnlefs, involucres briskly polishe'd.
7. H. florets lateral male awnlefs, intermediate involucres fringed.
8. H. awns and involucres briskly longest.


1. T. calyxes four-flower'd bellied smooth imbricated awn'd. summer.
2. T. calyxes four-flower'd bellied polish'd imbricated almost awnlefs.
3. T. calyx four-flower'd bellied, spike compound. compound.
4. T. calyxes four-flower'd lop'd, florets awn'd hermaphrodite; the intermediate one neutral.
5. T. calyxes mostly three-flower'd; the first awn'd, the intermediate one sterile. one-grain.
6. T. spike compound, spikelets crowded awn'd. prostrate.

O 2

* annual.

#* peren-
108. THREE MALES. TWO FEMALES. Triticum.

** perennial.

8. T. calyx five-flower'd lop'd, leaves involute. *ruftis*

maritimum. 10. T. calyx many-flower'd, florets dagger'd, spike branchy. *sea.*

tenellum. 7. T. calyx mostly four-flower'd, florets awnless acute, leaves bristly. *tender.*

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.*


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.)


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

2. E,
TRIANDRIA. TRIGYNA. Eriocaulon. 109.

quinquang: 2. E. culm five-angled, leaves sword-form. five-angled.
decangulare: 5. E. culm ten-angled, leaves sword-form. ten-angled.

fontana. 1. MONTIA.  Oed. Aon. 191.

102. PROSERPINACA. Cal. 3-parted, above. Cor. o. Seed 1, three-cell'd.
palufris. 1. PROSERPINACA. marf.

103. TRIPILARIS. Cal. greatest, three-parted. Cor. o. Anthers linear. Nut 3-fided within the egg'd base of the calyx.
americana. 1. TRIPILARIS. american.

104. HOLOSTEUM. Cal. 5-leaved; Petals 5. Caps. 1-cell'd, subcylindric, gaping at top. All-bone.
cordatum. 1. H. leaves inverse-hearted. hearted.
succulentum. 2. H. leaves elliptic fleshly. succulent.
birfutum. 3. H. leaves orbicular shaggy. shaggy.
umbellatum. 4. H. leaves umbel'd. umbel'd. E. B.

tetraphyllum. 1. Stem branchy prostrate, leaves fourfold. S. four-leaved. E. B.

tetraphyllum. 1. Stem branchy prostrate, leaves fourfold. S. four-leaved. E. B.

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

islandica. 1. KOENIGIA. Oed. Aon. 181. iceland.

105. POLYCARPON. Cal. 5-leaved. Petals 5, very small, egg'd. Caps. 1-cell'd, 3-valved. much fruit.
magellani- 2. Stems very simple, leaves linear scatter'd imbricated. cum.
s. magellani.
tetraphyllum. 1. Stem branchy prostrate, leaves fourfold. S. four-leaved. E. B.

tetraphyllum. 1. Stem branchy prostrate, leaves fourfold. S. four-leaved. E. B.

106. MOLLUGO. Cal. 5-leaved. Cor. o. Caps. 3-cell'd, 3-valved. Sift.
oppositifolia. 1. M. leaves opposite lanced, branches alternate, peduncles lateral crowded one-flower'd. opposite-leaved.

2. M.
110. THREE MALES. THREE FEMALES. Mollugo.

1. M. leaves somewhat fourfold lanced, flowers paniced nodding, stem erect angular. upright.

2. M. leaves somewhat fourfold lanced, flowers paniced nodding, stem erect angular.

3. M. leaves fivefold, inverse-egg'd equal, flowers paniced.

4. M. leaves verticill'd wedge-form acute, stem subdivided decumbent, peduncles one-flower'd. vertical'd.

107. MINUARTIA. Cal. 5-leaved. Cor. o. Caps. 1-cell'd, 3-valved. Seeds a few.

1. M. flowers of the fork crowded, two-fork'd.

2. M. flowers terminal alternate, longer than the bract.

3. M. flowers lateral alternate, shorter than the bract.

108. QUERIA. Cal. 5-leaved. Cor. o. Caps. 1-cell'd, 3-valved, Seed 1.

1. Q. flowers crowded.

2. Q. flowers solitary, stem two-fork'd.

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

1. L. leaves linear-lanced, flowers paniced.

2. L. leaves egg-lanced, flowers lateral straggling.

### CLASS.
CLASS IV.

FOUR MALES.
(Tetrandria.)

ONE FEMALE.
(Monogynia.)

Flowers one-petal'd, one-seeded, beneath.

111 Protea. Cor. 4-cleft. Anthers inserted beneath the summits of the corol.
112 Globularia. Cor. 1-petal'd, irregular. Seeds with a pappus naked.
1361 Hydrophyllax. Cor. funnel-form. Cal. four-parted.

Flowers one-petal'd, one-seeded, above, Aggregate.

113 Cephalanthus. Cal. common o. Receptacle globular villous.

Seeds woolly.

Seeds columnar.

Seeds crown'd involute.

Seeds villous at top.
117 Allonia. Cal. common 3-leaved, 3-flower'd; proper one above o.

Seeds naked.

* Valeriana filifera.

Flowers one-petal'd, one-fruited, beneath.

136 Aquartia. Cor. wheel'd. Cal. almost 4-cleft. Berry many-seed.
135 Callicarpa. Cor. tubular. Cal. 4-cleft. Berry 4-seeded.
1219 Aegiphila. Cor. salver-form. Cal. 4-tooth'd. Berry 4-seeded.

Style half-two-cleft.
143 Scoparia. Cor. wheel'd. Cal. 4-parted. Caps. 1-cell'd 2-valved.
145 Centunculus. Cor. wheel'd. Calyx 4-parted. Caps. 1-cell'd circumcised.

142 Plantago.
142 Plantago. Cor. refract. Cal. 4-parted. Caps. 2-cell'd circumcised.

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 compr'd.

138 Penaeaa. 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. 8e ds 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 Hediootis. 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 compr'sd, end-nick'd.
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.
123. Knoxia. Cor. tubular. Fr. two-partible, furrow'd.
122. Diodia. Cor. tubular. Fr. 4-corner'd, crown'd; 2-valved.

Flowers one-petal'd, four-grain'd, beneath.


Flowers four-petal'd, beneath.

152. Ptelea. Pet. leathery. Cal. 4-parted. Drupe juice-less, compress'd.

* Cardamine birtfuta.
* Euonymus europaeus.

Flowers four-petal'd above.

149. Cornus. Cal. 4-tooth, deciduous. Drupe with nucleus 2-cell'd.
153. Ludwigia. Cal. 4-parted. Caps. 4-cell'd, 4-corner'd.
480. Santalum. Cor. 4-petal'd growing on the calyx. Berry one-fed.
1364. Embothrium. Cal. o. Follicle one-cell'd.

Flowers
FOUR MALES.

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 ruged.
163 Salvador. 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 Elaeagnus. Cal. bell’d, deciduous. Drupe.
* Thefium alpinum.

TWO FEMALES.

(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. Silique.
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 frutica.
* Gentiana.
* Swertia.
FOUR FEMALES.

(Tetragynia.)

172 Ilex. Cor. 1-petal'd. Cal. 4-tooth'd. Berry 4-seeded.


176 Sagina. Cor. 4-petal'd. Cal. 4-leaved. Caps. 4-celled, many-seeded.

177 Tillaea. Cor. 3 or 4-petal'd. Cal. 3 or 4-leaved. Caps. 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, fleshy.

175 Ruppia. Cor. 0, Cal. 0. Seeds 4, pedicel'd.
Il6. FOUR MALES. ONE FEMALE. Protea.

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. /cor/ /pee.

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.
cyanoides. 13, P. flowers solitary woolly, calyx flaggy, leaves many-cleft. cyanus-like.
sphaerocephala. P. flowers solitary woolly, calyx polish'd without, leaves many-cleft. sphaere-headed.
birta. 9, P. flowers lateral sepalile, leave one-calous at top. flaggy.
cucullata. 10, P. flowers lateral sepalile, leaves three-calous at top. cotyled.
rosacea. 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.

cyanoides. 8, P. flowers solitary: radius of the calyx lanced upright, leaves suborbicular petioled. artichoke-like.

calyptrata. 12, P. flowers solitary: radius of the calyx spatuled bearded, leaves lanced.
dendron. P. flowers almost double, pistils headed, corols long-eft distant, leaves smooth.
Hypophyllum. 11, P. flowers solitary, pistils club'd, leaves three-calous.
carpodendrum. pubera. P. flowers twofold or threefold, pistils club'd, leaves elliptic-lanced. mature.
strobulina. P. flowers imbricate-egg'd involucr'd chaffy smooth, leaves spatuled polish'd. strobuline.
conifera. P. flowers imbricate-egg'd involucr'd chaffy downyish, leaves narrow-lanced, cone-bearing.
TETRANDRIA. MONOGYNIA. Protea. 117.

**pollens.** P. flowers egg'd involucr'd chaffless polish'd, leaves linear.

**faligna.** P. flowers egg'd involucr'd chaffless, leaves lanced subpube'sent oblique.

**argentea.** P. flowers egg'd involucr'd chaffless downy, leaves lanced villous shining.

**Levisanis.** P. flowers hemispherical subinvolucr'd chaffless villous, leaves spatuled.

**divaricata.** P. flowers level-top'd, leaves oval. divaricat'd.

**purpurea.** P. flowers level-top'd, leaves thread-form undivided.

**parviflora.** P. flowers panicl'd, florets nearly tenfold, leaves sublanced.

**Sceptrum** P. inferior leaves of the branches decompound, superi'or ones undivided wedge-form smooth'th'ft, spike terminal conical. S. Scepter of Guflavanus.

**imbricata.** P. leaves imbricat'd lanced, heads terminal. S. imbricat'd.

**procumbens.** P. leaves three-cleft linear, stem procumbent, heads compoud' of smaller ones mostly three-flow' er'd soli'tary. S. procumbent.

**Bruniades.** P. leaves awl'd, heads globular terminal. S. procumbent.

**criniflora.** P. flowers subfoli'aty, pistils long headed, calyxes with scales lanced pointed, leaves three-callous. S. hair-flow' er'd.

**obliqua.** P. flowers soli'aty, calyx imbricat'd subpube'scent, leaves linear-lanced. S. oblique. filik.

**umbellata.** P. panicle branchy, leaves lanced filk-silver'd, flowers headed downy. S. filik.

**bracteata.** P. leaves linear-awl'd semicolumnar smooth, flowers headed, bractes many-cleft. S. bract'd.

**prolifera.** stem proliferous, leaves awl'd, spike leafy. S. prolif'erous.

**tomentosa.** P. down hoary, leaves linear three-tooth'd callous at top. S. downy.
118. **FOUR MALES. ONE FEMALE. Globularia.**


7. *occidentalis.* Cephalanthus. 1. C. leaves opposite and three’d.

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


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


12. *transylvanica.* Scabiosa. 2. S. corollets four-cleft equal, calyces and chaff awn’d; root-leaves lyre’d; stem-leaves feather-cut.
tetrandria. monogynia. Scabiosa. 119.

Syriaca. 3. S. corollas four-cleft equal, calyxes imbricated and chaff awn'd, stem two-fork'd, leaves lanced.

Leucantha. 4. S. corollas four-cleft subequal, calyx-scales egg'd imbricated, leaves feather-cut. white-flower'd.

Succisa. 6. S. corollas four-cleft equal, stem simple, branches approximated, leaves lance-egg'd. Oct. dom. 270.

Integrifolia. 7. S. corollas four-cleft radiate, leaves undivided: root-leaves egg'd saw'd, branch-leaves lanced; stem herbaceous.

Amplexicaulis. 8. S. corollas four-cleft radiate, leaves stem-clasping lanced most intire; root-leaves three-cleft notch'd. inteire-leaved.

Tartarica. 9. S. corollas four-cleft radiate, leaves lanced feather-cut: lobes subimbricated, stem hispid. tatarian.

Arvensis. 10. S. corollas four-cleft radiate, leaves feather-cut gaff'd, stem hispid. Oct. dom. 447.

Sylvatica. 8. S. corollas four-cleft radiate, leaves all undivided egg-oblong saw'd, stem hispid. wood.

Scabra. 8. S. corollas four-cleft equal, calyxes imbricated obtuse, leaves almost twice-feather'd rugged rigidish.

Attenuata. 8. S. corollas four-cleft equal, leaves linear intire and three-cleft.

** Corollas five-cleft.

Gramontia. 11. S. corollas five-cleft, calyxes shortest, stem-leaves twice-feather'd thread-form. &c.

Columbaria. 12. S. corollas five-cleft radiate, root-leaves egg'd notch'd, stem-leaves feather'd bristly.

Scula. 8. S. corollas five-cleft equal shorter than the calyx, leaves lyre-feather-cut. sicilian.

Maritima. 13. S. corollas five-cleft radiate shorter than the calyx, leaves feather'd: the highest linear most intire.

Stellata. 15. S. corollas five-cleft radiate, leaves dissected, receptacles of the flower roundish.

Prolifera. 16. S. corollas five-cleft radiate, flowers subfossil, stem prolificous, leaves undivided.

Atropurpurea. 17. S. corollas five-cleft radiate, leaves dissected, receptacles of the flowers awl'd.

Argentea. 18. S. corollas five-cleft radiate, leaves feather-cut: divisions linear, peduncles longest, stem columnar.
120. **FOUR MALES. ONE FEMALE.** Scabiofa.

*indurata.* S. corollets five-cleft radiate, leaves egg-lanced; gnaw'd, tooth'd at the base, stem stiff. *indurata.*

*africana.* 19. S. corollets five-cleft equal, leaves simple gaft'h'd, stem shrubby. *african.*

*pumila.* S. corollets five-cleft radiate, almost stemless, leaves most hairy; root-leaves lyred, stem-leaves feather-gaft'h'd. *dwarf.*

*cretica.* 20. S. corollets five-cleft, leaves lanced very intire, stem shrubby. *cretan.*


*palestina.* 25. S. corollets five-cleft radiate: all the divisions three-cleft, leaves undiv'd; somewhat saw'd, the highest feather-cut at the base. *palestine.*

*isetenfis.* 26. S. corollets five-cleft radiate longer than the calyx, leaves twice-feather'd linear. *cretan.*

*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 herbaceus erect, leaves feather-cut, seeds awn'd and feather-pappus'd. *pappous.*

*pseudocephala.* 22. S. corollets five-cleft, stem shrubby procumbent, leaves jagg'd flagg'y, pappus feathery. *wing-headed.*


*orientalis.* 1. K. leaves gaft'h'd, corollets five-fold longer than the calyx. *oriental.*

*propontica.* 2. K. superior leaves lanced most intire, corollets tenfold equal with the calyx. *propontic.*

*palestina.* 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.**

violacea. A. A. leaves hearted, calyces five-cleft. violet.
incarnata. b. A. leaves obliquely egg'd, calyces three-leaved. incarnate.

118. HEDYOTIS. Cor. 1-petal, funnel-form. Caps. 2-cell'd, many-seeded, beneath. Viole-cea.

fruticosa. 1. H. leaves lanced petioled, corymbes terminal involucred. shrubby.

Auriculata. 2. H. leaves lance-egg'd, flowers verticil'd.

herbacea. 3. H. leaves linear-lanced, stem herbaceous two-fork'd, peduncles double. herbaceous.

pumila. H. leaves egg'd acute, flowers alternate peduncled. S. dwarf.

graminisfolia. H. leaves linear, stem decumbent, panicle racem'd one-rank'd, peduncles single-train'd. S. grass-leaved.


scabra. 1. H. SCABRITA. rugged.


tenuis. 1. S. smooth, leaves linear, stamens inclosed, flowers verticil'd. slender.

verticillata. 2. S. smooth, leaves lanced, verticils globular. verticil'd.

birta. 3. S. smooth, leaves oblong: the highest four-fold, flowers verticil'd. flaxgy.

bispida. 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. thorny.
FOUR MALES. ONE FEMALE. Spermacoce.

Spermacoce articulata. S. leaves elliptic obtuse rugged. S. jointed.
S. fruticosa. S. leaves linear-lanced lined. S. upright.

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

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

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

Asperula odorata. 1. A. leaves eightfold lanced, fascicles of the flowers peduncled. smell.
S. arvensis. 2. A. leaves sixfold, flowers sessile terminal aggregate. field.
S. taurina. 3. A. leaves fourfold egg-lanced, flowers fascicled terminal.
S. crassifolia. 7. A. leaves fourfold oblong lateral revolute obtuse pubescent. thick-leaved.
S. tinctoria. 4. A. leaves linear: the inferior ones sixfold; the intermediate ones fourfold, stem flaccid, flowers for the most part three-cleft. dyers.
S. pyrenaica. 5. A. leaves four-fold lance-linear, stem erect, flowers oftener three-cleft. pyrenean.
S. cynanchica. 6. A. leaves fourfold linear: the superior ones opposite, stem erect, flowers four-cleft. cyananum.
S. levigata. 8. A. leaves fourfold elliptic nerveless smooth, peduncles divaricat'd threecork'd, seeds ruged. polisht.
S. calabrica. A. leaves fourfold oblong obtuse polish'd. S. calabrian.
S. crisula. 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.

Diodia virginica. 1. Diodia. virginian.

123. KNOXIA.
123. KNOXIA. Cor. 1-petal, funnel-form. Seeds 2, furrow'd: the single leaf of the calyx larger.

zeylanica. 1. Knoxia. ceylon.

124. HOUSTONIA. Cor. 1-petal, funnel-form, Caps. 2-cell'd, 2-feeded, above.

caerulea. 1. H. root-leaves egg'd, stem compound, the first peduncles two-flower'd.
purpurea. 2. H. leaves egg-lanced, corymbes terminal, flowers above.


rubidoides. 2. G. leaves fourfold lance-egg'd equal rugged underneath, stem erect, fruit smooth. madder-like.
palustris. 3. G. leaves four-fold inverfe-egg'd unequal, stems diffuse.
montanum. 15. G. leaves mostly fourfold linear polish'd, stem feeble rugged, seeds smooth.
tintorum. 6. G. stem-leaves linear sixfold; those of the branches fourfold, stem flaccid, peduncles mostly two-flower'd, fruit smooth. dyer.
uliginosum. 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.
faxatile. 9. G. leaves sixfold inverfe-egg'd obtuse, stem most branchy procumbent.
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.
124. **Four Males. One Female.** Galium.

*Galium* sylvaticum. 13. G. leaves eightfold polished rugged underneath; floral leaves twofold, peduncles capillary, stem polished.

*Galium* arisflatum. 1. G. leaves eightfold lanced polished, panicle capillary, petals awned, seeds smooth.

*Galium* hierofolymi. 18. G. leaves tenfold lance-linear, umbels level-top'd, stem wood.

*Galium* glaucum. 16. G. leaves verticill'd linear, peduncles two-fork'd, stem polished.

*Galium* purpureum. 17. G. leaves verticill'd linear-bristled, peduncles capillary longer than the leaf.

*Galium* rubrum. 19. G. leaves verticill'd linear expanded, peduncles shortest.

*Galium* pyrenaicum. G. leaves six-fold, flowers lateral opposite subsefile solitary. $G.$

**E.B.**

*Galium* boreale. 20. G. leaves fourfold lanced three-nerved smooth, stem erect, seeds hispid.

*Galium* maritimum. 24. G. leaves fourfold hispid, peduncles one-flower'd, fruit villous.

*Galium* bermudianum. 4. G. leaves fourfold linear obtuse, branches most bran-chy.

*Galium* græcum. 25. G. shaggy, leaves mostly six-fold linear-lanced, stem woody.

**E.R.**

*Galium* Aparine. 22. G. leaves eightfold lanced with keels rugged prickled backward, knots villous, fruit hispid.

*Galium* parifense. 23. G. leaves verticill'd linear, peduncles two-flower'd, fruit hispid.


*Crucianella* angustifolia. 1. C. erect, leaves sixfold linear, flowers spiked. narrow-leaved.

*Crucianella* latifolia. 2. C. procumbent, leaves fourfold lanced, flowers spiked, broad-leaved.

*Crucianella* ægyptiaca. 6. C. leaves fourfold sublinear, flowers spiked five-cleft.

*Crucianella* patula. 3. C. diffuse, leaves sixfold, flowers scater'd. expanded.

*Crucianella* maritima. 4. C. procumbent, shrubbyish, leaves four-fold dagger'd, flowers opposite five-cleft.

5. C.
TETRANDRIA. MNNOGYNIA. Crucianella. 125.

119. RUBIA. Cor. 1-petal, bell'd. Berries 2, one-seeded. Madder.

129. SIPHONANTHUS. Cor. 1-petal, funnel-form, longest, beneath. Berries 4, 1-seeded.

130. CATESBÆA. Cor. 1-petal, funnel-form, longest, above. Stamens within the throat. Berry many-seeded. thorny.

131. IXORA. Cor. 1-petal, funnel-form, long, above. Stamens above the throat. Berry 4-seeded.

FOUR MALES. ONE FEMALE. Petesia.

PETESIA. Cor. 1-petal, funnel-form. Stigma two-cleft. Berry many-seeded. 

Petesia. A. P. leaves lance-egg’d downy underneath, thyrses lateral. 

Lygistum. A. P. leaves egg’d naked lined, stem winding.

MITCHELLA. Corols. 1-petal, above, two-fold on the same germ. Stigmas 4. Berry two-cleft, 4-seeded.

MITCHELLA. A. P. leaves lance-egg’d downy underneath, thyrses laterale.

Jiipularis. A. P. leaves lance-egg’d downy underneath, thyrses laterale.


Lygium. A. P. leaves lance-egg’d downy underneath, thyrses laterale.

MITCHELLA. A. P. leaves lance-egg’d downy underneath, thyrses laterale.

Jiipularis. A. P. leaves lance-egg’d downy underneath, thyrses laterale.


Lygium. A. P. leaves lance-egg’d downy underneath, thyrses laterale.

MITCHELLA. A. P. leaves lance-egg’d downy underneath, thyrses laterale.

Jiipularis. A. P. leaves lance-egg’d downy underneath, thyrses laterale.


Lygium. A. P. leaves lance-egg’d downy underneath, thyrses laterale.

MITCHELLA. A. P. leaves lance-egg’d downy underneath, thyrses laterale.

Jiipularis. A. P. leaves lance-egg’d downy underneath, thyrses laterale.


Lygium. A. P. leaves lance-egg’d downy underneath, thyrses laterale.

MITCHELLA. A. P. leaves lance-egg’d downy underneath, thyrses laterale.

Jiipularis. A. P. leaves lance-egg’d downy underneath, thyrses laterale.


Lygium. A. P. leaves lance-egg’d downy underneath, thyrses laterale.

MITCHELLA. A. P. leaves lance-egg’d downy underneath, thyrses laterale.

Jiipularis. A. P. leaves lance-egg’d downy underneath, thyrses laterale.


Lygium. A. P. leaves lance-egg’d downy underneath, thyrses laterale.

MITCHELLA. A. P. leaves lance-egg’d downy underneath, thyrses laterale.

Jiipularis. A. P. leaves lance-egg’d downy underneath, thyrses laterale.


Lygium. A. P. leaves lance-egg’d downy underneath, thyrses laterale.

MITCHELLA. A. P. leaves lance-egg’d downy underneath, thyrses laterale.

Jiipularis. A. P. leaves lance-egg’d downy underneath, thyrses laterale.


Lygium. A. P. leaves lance-egg’d downy underneath, thyrses laterale.

MITCHELLA. A. P. leaves lance-egg’d downy underneath, thyrses laterale.

Jiipularis. A. P. leaves lance-egg’d downy underneath, thyrses laterale.


Lygium. A. P. leaves lance-egg’d downy underneath, thyrses laterale.

MITCHELLA. A. P. leaves lance-egg’d downy underneath, thyrses laterale.

Jiipularis. A. P. leaves lance-egg’d downy underneath, thyrses laterale.


Lygium. A. P. leaves lance-egg’d downy underneath, thyrses laterale.

MITCHELLA. A. P. leaves lance-egg’d downy underneath, thyrses laterale.

Jiipularis. A. P. leaves lance-egg’d downy underneath, thyrses laterale.


Lygium. A. P. leaves lance-egg’d downy underneath, thyrses laterale.

MITCHELLA. A. P. leaves lance-egg’d downy underneath, thyrses laterale.

Jiipularis. A. P. leaves lance-egg’d downy underneath, thyrses laterale.


Lygium. A. P. leaves lance-egg’d downy underneath, thyrses laterale.

MITCHELLA. A. P. leaves lance-egg’d downy underneath, thyrses laterale.

Jiipularis. A. P. leaves lance-egg’d downy underneath, thyrses laterale.


Lygium. A. P. leaves lance-egg’d downy underneath, thyrses laterale.

MITCHELLA. A. P. leaves lance-egg’d downy underneath, thyrses laterale.

Jiipularis. A. P. leaves lance-egg’d downy underneath, thyrses laterale.


Lygium. A. P. leaves lance-egg’d downy underneath, thyrses laterale.

MITCHELLA. A. P. leaves lance-egg’d downy underneath, thyrses laterale.

Jiipularis. A. P. leaves lance-egg’d downy underneath, thyrses laterale.


Lygium. A. P. leaves lance-egg’d downy underneath, thyrses laterale.
139. BLÆRIA. Cal. 4-parted. Cor. 4-cleft. Stamen inserted on the receptacle. Caps. 4-cell’d, many-seeded.

140. BUDDLEJA. Cal. 4-cleft. Cor. 4-cleft. Stamen from the gashes. Caps. 2-furrow’d, 2-cell’d, many-seeded.

141. EXACUM. Cal. 4-leaved. Cor. 4-cleft: tube globular. Caps. 2-furrow’d, 2-cell’d many-seeded, gaping at top.

142. PLANTAGO.
128. FOUR MALES. ONE FEMALE. Plantago.

142. PLANTAGO. Cal. 4-cleft. Cor. 4-cleft: border reflected. Stamens longest. Caps. 2-cell'd, circumcised. *

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**E.B** major.


**E.B** asiatica.

2. P. leaves egg’d smooth, scape angled, spike with florets distinct.

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**E.B** media.


**E.B** virginica.

4. P. leaves lance-egg'd pubescent somewhat toothletted, spikes with flowers remote, scape columnar. virginian.

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**E.B** altissima.

5. P. leaves lanced five-nerved tooth'd smooth, spike oblong cylindrical, scape subangular. *tall.*

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**E.B** lanceolata.


**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.

**Diac.** 9. P. leaves linear flat, scape columnar shaggy, spike oblong erect.

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**E.B** maritima.


**Diac.** 12. P. leaves awl'd three-sided striated rugged, scape columnar.

**Serraria.** 13. P. leaves lanced five-nerved tooth-faw’d, scape columnar.

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**E.B** 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.*

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**Psfyllium.** 17. P. stem branchy herbaceous, leaves somewhat tooth’d recurvate, heads leafless.
143. SCOPARIA. Cal. 4-parted. Cor. 4-parted, wheel'd. Caps. 1-cell'd, 2-valved, many-seeded.

dulcis. 1. S. leaves three-fold, flowers peduncled: sweet.
procumbens. 2. S. leaves fourfold, flowers sessile.
arborea. S. leaves lanced alternate most intire, corymbe super-decompound three-fork'd. S. arborecent.

144. RHACOMA. Cal. 4-parted. Cor. 4-parted. Caps. one-cell'd, one-seeded.

Grossopetalum. 1. RHACOMA.


minimus. 1. CENTUNCULUS. 

146. SANGUISORBA. Cal. 2-leaved. Germ between the calyx and corol. Burnet.

officinalis. 1. S. spikes egg'd. 
media. 2. S. spikes cylindrical.
canadensis. 3. S. spikes longeft.

147. CISSUS. Berry 1-seeded encompass'd by the calyx and corol four-parted.

vitiginea. 1. C. leaves hearted mostly five-lobed downy.
cordifolia. 2. C. leaves hearted most intire.
Sicyoides. 3. C. leaves mostly hearted naked, bristle-faw'd branches columnar.
130. FOUR MALES. ONE FEMALE. Cissus.

quadrangul- 6. C. leaves hearted fleshly saw-tooth'd, stem four-coro-
laris ner'd tumidish. quadrangular.
aida. 4. C. leaves three'd inverse-egg'd smooth fleshly gash'd.
acida. trifoliata. 5. C. leaves three'd roundish shaggy somewhat tooth'd,
branches membranous-angled. three-leaved.

148. EPIMEDIUM. Nectaries 4, cup-form, in-
cumbent on the petals. Cor. 4-petal'd.

E.B. alpinum. 1. ÉPIMÉDIUM. alpine.

149. CORNUS. Involucro oftener 4-leaved. Petals

B.M. alpinum. 1. C. arborescent, involucro largest: leaflets inverse-
flowing.

B.M. mascula. 2. C. arborescent, umbels equaling the involucre. male.

E.B. faginea. 3. C. arborescent, cymes naked. branches straight.

alba. 6. C. arborescent, cymes naked, branches recurvate.

faginea. 5. C. arborescent, cymes naked, leaves silky underneath.

E.B. faginea. 4. C. herbaceous, branches two-fold. Ood. down.

B.M. canadensis. 5. C. herbaceous branches none. canadian.

alternifolia. C. leaves alternate. S. alternate-leaved.

1192. SAMARA. Cal. 4-parted. Cor. 4-petal'd.

lacta. SAMARA. pleasant.

150. FAGARA. Cal. 4-cleft. Cor. 4-petal'd. Caps.
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.
Octandria. 4. F. leaflets downy. eight-male.
1290. AEGIPHILA. Cal. 4-tooth'd. Cor. 4-cleft. Style half-two-cleft. Berry 4-seeded. martinicenfis. Aegiphila.

152. PTELEA. Cor. 4-petal'd. Cal. 4-parted, beneath. 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.


153. LUDWIGIA. Cor. four-petal'd. Cal. 4-parted, above. Caps. 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. Caps. 2-cell'd, beneath, many-seeded. verticillata. 6. O. flowers verticil'd sessile, stipule bristle-bearing. verticil'd. repens. 7. O. caps. 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. umbel'd.
132. **Four Males. One Female.** Oldenlandia.

corymbosa. 4. O. peduncles many-flower’d, leaves linear-lanced.  
corymbosa. 4. O. peduncles many-flower’d, leaves linear-lanced.

paniculata. 5. O. peduncles panicled terminal, leaves oval-lanced.  
paniculata. 5. O. peduncles panicled terminal, leaves oval-lanced.

strigosa. O. peduncles racemed terminal, leaves linear, stem erect cross-arm’d.  
strigosa. O. peduncles racemed terminal, leaves linear, stem upright.

capensis. O. peduncles axillary one-flower’d, leaves linear acute.  
S. cape.

hirsuta. O. umbels axillary, stem and calyxes hispid, leaves egg’d acute. S.  
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.  
latifolia. 1. A. leaves half-stem-clasping, stem four-corner’d, branches erect.  
branches broad-leaved.  
branches broad-leaved.

ramosor. 2. A. leaves half-stem-clasping, stem four-corner’d, branches most expanded.  
ramosor. 2. A. leaves half-stem-clasping, stem four-corner’d, branches most expanded.  
branches more-branchy.  
branches more-branchy.

baccifer. 3. A. leaves subpetioled, capsules greater than the calyx colour’d.  
baccifer. 3. A. leaves subpetioled, capsules greater than the calyx colour’d.  
S. berry-bearing.  
S. berry-bearing.

eclandrea. A. flowers petal-like eight-male. S. eight-male.  
eclandrea. A. flowers petal-like eight-male. S. eight-male.  
pinnatafida. A. stems procumbent rooting compressed, leaves linear feather-cleft. S.  

156. **Isnardia.** Cor. none. Cal. 4-cleft. Caps. 4-cell’d, encompass’d by the calyx.

palustris. 1. Isnardia.  
palustris. 1. Isnardia.  
marsh.

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.  
natans. 1. Trapa.  
swimming.

bicorns. T. nuts two-horn’d. S.  
bicorns. T. nuts two-horn’d. S.  
two-horn’d.  
two-horn’d.

natans. T. nuts four-horn’d: thorns expanding. S. swimming.  
atans. T. nuts four-horn’d: thorns expanding. S. swimming.

158. **Dorstenia.**
158. DORSTENIA. Receptacle common 1-leaved, fleshy, in which the solitary seeds are nidulant.

Houston. 3. D. scapes rooted, leaves hearted angled acute, receptacles quadrangular.

Contrajerva. 1. D. scapes rooted, leaves feather-cleft-handed low’d, receptacles quadrangular.

Drakena. 2. D. scapes rooted, leaves feather-cleft-handed whole intire, receptacles oval.

caulescens. 4. D. peduncles on the stem.

1243. COMETES. Involucre 4-leaved, 3-flower’d.

Cal. 4-leaved. Caps. 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.

spinafa. 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 scented white.

1244. STRUTHIOLA. Cor. none. Cal. tubular: with 8 Glands in the mouth. Berry dry, one-seeded.

virgata. 1. S. pubescent.

eretia. 2. S. smooth.

nana. S. leaves linear obtuse hairy, flowers terminal fascicled downy. S.

dwarf.

136. WILLICHIA.
134. **FOUR MALES. ONE FEMALE.** Willichia.

136. **WILlichIA.** Cal. 8-leaved. Cor. 4-cleft. Caps. beneath, two-valved, one-cell’d. Seed imbricated, orbicular with a central feedlet.

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.

Ixina. I. Crameria.

1293. **ACÆNA.** Cal. 4-leaved. Cor. 4-petal’d. Berry dry, beneath, 1-seeded, hedgehog’d backwards.


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.

levis. 4. R. racemes simple, flowers four-male, leaves smooth.

eclandra. 2. R. racemes simple, flowers eight-male or twelve-male.

paniculata. 3. R. racemes of the panicle compound and opposite.

163. **Salvadora.** Cal. 4-cleft. Cor. 0. Berry 1-seeded. Seed cloathed with an aril.


164. **Camphorosma.**
164. CAMPHOROSMA. Cal. pitcher'd: with 2 teeth opposite, and alternate, smallest. Cor. none. Caps. 1-seeded. Camphorodora

1. C. leaves shaggy linear. Montpelier.
2. C. leaves awl'd rigid smooth. Acute.
4. C. most branchy, peduncles sword-form dilated, bractes crested.

Paleracea. C. shrubby, branches spike-form, chaffy, hairy. S. Chaffy.

168. ALCHEMILLA. Cal. 8-cleft. Cor. 0. Seed 1.

1. A. leaves lobed. Common. E.B.
2. A. leaves finger'd saw'd. Cor. Amb. 49. Alpina. E.B.

1361. HYDROPHYLLAX. Cor. funnel-form. Cal. 4-parted. Fruit two-edged, one-seeded. S. Guard.


1362. BANKSIA. Ament scaly. Cor. 4-petal'd. Anthers in the cavity of the Folds, sessile. Caps. 2-valved. Seed two-partible. S.

1. B. leaves linear attenuated into a petiole equally saw'd lop'd at the top with a dagger. S. Saw'd.
2. B. leaves wedge-form most intire white-down'd underneath. S. Intire-leaved.
4. 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.

1364. EM-
FOUR MALES. ONE FEMALE. Embothrium.

EMBOTHRIUM. Cor. 4-petal'd. Anthers sessile fitting on the tops of the petals. Follicle columnar. S.

umbellatum. E. umbels axillary simplest peduncled, leaves oblong veined, anthers sessile. S. umbel'd.
coccineum. E. thyrses terminal sessile, anthers pedicel'd, leaves inverse-egg'd vein'd. S. scarlet.

TWO FEMALES.
(Digynia.)

APHANES. Cal. 4-cleft. Cor. o. Seeds 2. naked. Inovisibility.

arvensis. 1. Aphanes.

Cruzita. Cal. 4-leaved: the exterior one 3-leaved. Cor. o. Seed 1.

hispanica. A. Cruzita.

Bufonia. Cal. 4-leaved. Cor. 4-petal'd. Caps. 1-cell'd, 2-seeded.

tenuifolia. 1. Bufonia.


virginica. 1. Hamamelis.

CUSCUTA. Cal. 4-cleft. Cor. 1-petal'd. Caps. 2-cell'd. Doctor.

extiphytum. C. flowers sessile five-cleft fortify'd with bractes.
americana. 2. C. flowers peduncled.
TETRANDRIA. DIGYNIA. Hypecoum. 137.

171. HYPECOUM. Cal. 2-leaved. Petals 4: the two exterior ones broader, 3-cleft. Fruit a siliqua. Procumbens.

172. ILEX. Cal. 4-tooth'd. Cor. wheel'd. Style 0. Berry 4-fed. Procumbent.


FOUR FEMALES.

(Tetragynia.)

172. ILEX. Cal. 4-tooth'd. Cor. wheel'd. Style 0. Berry 4-fed. Procumbent.

FOUR FEMALES.

(Tetragynia.)

172. ILEX. Cal. 4-tooth'd. Cor. wheel'd. Style 0. Berry 4-fed. Procumbent.

FOUR FEMALES.

(Tetragynia.)

172. ILEX. Cal. 4-tooth'd. Cor. wheel'd. Style 0. Berry 4-fed. Procumbent.
138. TETRANDRIA. TETRAGYNIA. Potamogeton.

E.B. gramineum. 10. P. leaves linear-lanceolate alternate sessile broader than the stipule. Oed. hom. 222. 


E.B. pusillum. 12. P. leaves linear opposite and alternate distinct expanding at the base, stem columnar.

175. RUPPIA. Cal. o. Cor. o. Seeds 4, pedicel'd.

E.B. maritima. 1. Ruppia. 

176. SAGINA. Cal. 4-leaved. Petals 4. Caps. 1-cell'd, 4-valved, many-seeded.

E.B. procumbens. 1. S. branches procumbent. 

E.B. apetala. 2. S. stem erect pubescent, flowers alternate petals.

E.B. ereșia. 2. S. stem erect mostly one-flower'd.

Virginica. 3. S. stem erect flowers opposite.

177. TILLÆA. Cal. 3-or-4-parted. Petals 3 or 4, equal. Caps. 3 or 4, many-seeded.

E.B. muscesta. 3. T. procumbent, flowers three-cleft.

E.B. perfoliata. T. leaves leaf-pierced egg'd, corymbs terminal flowers four-cleft. S. leaf-pierced.


Uragnia. Myginda.
CLASS V.

FIVE MALES.
(Pentandria.)

ONE FEMALE.
(Monogynia.)

* Flowers one-petal'd, beneath, one-seeded.

242 Mirabilis. Nutlet beneath the corol! Cor. funnel-form. Stigma globular.


* Flowers one-petal'd, beneath, two-seeded. Rough-leaved.

186 Cerinthe. Cor. throat naked, bellied. Seeds 2, bony, 2-cell'd.

1245 Messerschmidia. Cor. throat naked, funnel-form. Seeds 2, corky 2-seeded.

* Flowers one-petal'd, beneath, four-seeded. Rough-leaved.

191 Echium. Cor. throat naked, irregular! bell'd.

179 Heliotropium. Cor. throat naked, falver-form, with lobes divided by a tooth.

184 Pulmonaria. Cor. throat naked, funnel-form: Cal. prismatic.

181 Lithospermum. Cor. throat naked, funnel-form, Cal. 5-parted.


185 Symphytum. Cor. throat tooth'd, bellied.

188 Borrago. Cor. throat tooth'd, wheel'd.

190 Lycopsis. Cor. throat vaulted, funnel-form, with tube curved!

189 Asperugo. Cor. throat vaulted, funnel-form. Fruit compress'd.

183 Cynoglossum. Cor. throat vaulted, funnel-form. Seeds depressed, fix'd by the side.
F I V E  M A L E S.

182 Anchsusa. 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.


204 Hydrophyllum. Caps. 1-cell'd, 2-valved. Cor. furrow'd with 5 nectaries. Stigma 2-cleft.


203 Hottonia. Caps. 1-cell'd. Cor. tube beneath the stamens. Stigma globular.


207 Theophrasta. Caps. 1-cell'd, largest! Cor. bell'd. Stigma acute.


209 Spigelia. Caps. 2-cell'd, double! Cor. funnel-form. Stigma simple.


215 Convolvulus.


103 Pathagonula. Capf. 2-cell'd. Cor. wheel'd. Style two-fork'd.


246 Datura. Capf. 2-cell'd, 4-valved! Cor. funnel-form. Cal. deciduous.

247 Hyoscyamus. Capf. 2-cell'd, cover'd! Cor. funnel-form. Stigma headed.

248 Nicotiana. Capf. 2-cell'd. Cor. funnel-form. Stigma end-nick'd.


255 Chironia. Capf. 2-cell'd. Cor. with tube pitcher'd. Anthers deflower'd spiral.


194 Diapensia. Capf. 3-cell'd. Cor. salver-form. Cal. 8-leaved.

214 Phlox. Capf. 3-cell'd. Cor. salver-form with tube curved. Stigma 3-cleft.

217 Polemonium. Capf. 3-cell'd. Cor. 5-parted. Stamens placed on the valves.

216 Ipomoea. Capf. 3-cell'd. Cor. funnel-form. Stigma headed.

1229 Brossæa. Capf. 5-cell'd. Cor. lop'd. Cal. fleshy.

212 Azalæa. Capf. 5-cell'd. Cor. bell'd. Stigma obtuse.

1369 Epacris. Capf. 5-cell'd, 5-valved. Cor. funnel-form, villous, nectariferous. Scales growing on the germ.

302 Ceropégia. Follicles 2. Cor. with border converging. Seeds pappus'd.


1253 Pergularia. Follic. 2. Cor. salver-form. Nectaries 5, half-arrow'd.


300 Cameraria. Follic. 2, lobed. Cor. salver-form. Seeds wing'd.
142. FIVE MALES.

1251 Carissa. Berries 2, many-seeded.
1252 Pæderia. Berry 2-seeded, inflated, fragile.
192 Tournefortia. Berry 4-seeded perforated at top! Seeds 2-cell'd.
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.
251 Solanum. Berry 2-cell'd. Anthers twice-perforated!
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 Chrysophyl-lum. 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

226 Bellonia. Caps. 1-cell'd, with navel beak'd. Cor. wheel'd Stigma acute.


228 Cinchona. Caps. 2-cell'd gaping within! Cor. shaggy. Stigma limple.


219 Roella. Caps. 2-cell'd, crown'd, Cor. wheel'd. Stigma 2-cleft.

220 Phyteuma. Caps. 2-or-3-cell'd, perforated. Cor. 5-parted. Stigma 2-or-3-cleft.

218 Campanula. Caps. 3-or-5-cell'd, perforated. Cor. bell'd. Stigma 3-cleft.


221 Trachelium. Caps. 3-cell'd perforated. Cor. funnel-form. Stigma headed.


Gardenia. contorted, Berry beneath, two or four-cell'd many-fed. S.

240 Genipa. Berry 2-cell'd roundish. Cor. wheel'd. Stigma club'd.
238 Erithalis. Berry 10-cell'd; subglobular. Cor. wheel'd. Stigma acute.

* Rubia.
* Crucianella.
* Prinos.

* Flowers five-petal'd, beneath.

1296 Aquilicia. Berry 5-seeded. Cor. with nectary pitcher'd.
284 Vitis. Berry 5-seeded Cor. often shrivel-conjoin'd. Style none.
1373 Corynocarpus. Nut club'd, Nectaries five petal-form, alternating with petals, gland-bearing at the base. S.
277 Cedrela. Caps. 5-cell'd, gaping at the base! Cor. united to the receptacle. Seed wing'd.
268 Buttnera. Caps. 5-grain'd. Cal. ear'd with petals. Stamens annex'd to the nectary.
272 Diosma. Caps. 5-fold. Nectary crowning the germ. Seeds aril'd
1374 Argophyllum. Caps. 3-cell'd. Nectary pyramidal, five-angled, the length of the corol. S.

1234 Roridula.
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.

* Caesalpinia pentandra. * Bombax pentandrum.
* Caffia nictitans. * Violets.

* Flowers five-petal'd above.

266 Phylica. Berry 3-grain'd. Cal. tubular corol-bearing with 5 converging scales.
1297 Heliconia. Caps. 3-grain'd. Cor. irregular. Cal. 0.
1247 Cyrilla: Caps. 2-cell'd, many-seeded. Style two-cleft. Petals pointed.
236 Conocarpus. Seed 1, depresse'd. Receptacle aggregating. Petals converging.

Flowers incomplete, beneath.

288 Achyranthes. Seed 1, oblong. Cal. exterior 3-leaved, naked.
289 Celosia. Caps. 3-fedeed. Cal. exterior 3-leaved, colour'd.
291 Glaux. Caps. 5-fedeed 5-valved. Cal. simple, ruder, bell'd.

* Polygonum.
FIVE MALES,

* Polygonum amphibium, lapathifolium.
* Ceratonia.

Flowers incomplete, above.

292 Thesium. Seed 1, crown'd. Cal. stamen-bearing.

TWO FEMALES.

( Digynia, )

* Flowers one-petal'd, beneath.

307 Stapelia. Follicles 2, Cor. wheel'd; Nectaries flar'd.
304 Cynanchum. 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. reflect'd. with 5 Nectaries ear-form clawletted.
321 Svertia. Caps. 1-cell'd, 2-valved. Cor. wheel'd, with 5 nectar-bearing pores.
318 Hydropolea. Caps. 2-cell'd, 2-valved. Cor. wheel'd.
3839 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.
3254 Steris. Berry many-fedded. Cor. wheel'd.

* * Flowers five-petal'd. above.


* Flowers five-petal'd, beneath.

423 Linconia. Caps. 2-cell'd. a pit in the Petals. Cal. 4-leaved.
317 Nama. Caps. 1-cell'd, 2-valved. Cor. 5-petal'd, left.
320 Heuchera.
320 **Heuchera.** Caps. 2-celled, 2-beaked. Cor. 5-petal'd, inserted on the calyx.

312 **Anabasis.** Berry 1-seeded. Cor. 5-petal'd, leafy.

1377 **Coprosma,** hermaphrodite: Calyx 5-parted. Cor. 5-or 7-cleft. Stamens 5 to 7. Styles two, long. Berry 2-seeded. Seeds two at a time.

- *Staphylea pinnata.*
- Flowers incomplete.

311 **Salsola.** Seed 1, small, 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.** Caps. 1-seeded, circumcised. Cal. 2-leaved, compressed, colour'd.

315 **Bosea.** Berry 1-seeded. Cal. 5-leaved.

316 **Ulmus.** Berry ju.'d, compressed, Cal. 1-leaved, withering.

- *Rhamnus Zizyphus.*
- *Polygonum virginianum.*
- *Trianthema pentandra.*

* Flowers five-petal'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 compressed.

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, fleshy.


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.**
344 Lascrpantium. Fl. flosculous abortive. Petals hearted. Seeds 4-wing'd.
328 Bupleurum. Fl. flosculous fertile. Petals involute (and in moft of the leaves undivided, or the involucels petal-form.)
351 Cuminum. Fl. flosculous fertile. Petals hearted. Umbel 4-cleft, with Involucres brishtly, longest.

B. Wijn
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. flocculous, abortive. Involucel 5-leaved.
359 IMPERATORIA. Fl. flocculous fertile. Umbel flat-expanded.
360 SESELI. Fl. flocculous fertile. Umbel rigidish.
354 CICUTA. Fl. flocculous fertile. Petals flatish.

* Beuplœrum rotundifolium. Apium Petros. et Anifum.

C. With no Involucre; neither universal, nor partial.

363 SMYRNINUM. Fl. flocculous, abortive. Seeds kidney-form, angled.
364 CARUM. Fl. flocculous, abortive. Seeds gibbous, striated.
361 THAPSA. Fl. flocculous, fertile. Seeds membrane-wing’d end-nick’d.
362 PASTINACA. Fl. flocculous, fertile. Seeds flat-depressed.
364 ANETHUM. Fl. flocculous, fertile. Seeds border’d, striated.
366 PIMPINELLA. Fl. flocculous, fertile. (Umbels nodding before flore Florence.) Petals hearted.
378 CUSSONIA. Petals 5, three-corner’d. The border of the receptacle dilated into a five-tooth’d calyx.

THREE FEMALES.

(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.
379 SEMECARPUS. Cor. 5-petal’d. Drupe hearted, cell’d, 1-seeded.

373 SPATHELIA.
373 **Spathelia.** Cor. 5-petalled. Caps. 3-cell'd, 3-corner'd. Filaments tooth'd at the base.

374 **Staphylea.** Cor. 5-petalled. Caps. 2-or-3-cleft, inflated.

375 **Tamarix.** Cor. 5-petalled. Caps. 1-cell'd. Seed pappus'd.

381 **Drypis.** Cor. 5-petalled, crown'd. Caps. 1-seeded circumcised.

376 **Turnera.** Cor. 5-petalled. Cal. 1-leaved, corol-bearing.

383 **Sarothra.** Cor. 5-petalled. Caps. 1-cell'd, colour'd. Cal. 1-leaved.

380 **Alsine.** Cor. 5-petalled, Caps. 5-leaved, Petals 2-cleft.

377 **Telephium.** Cor. 5-petalled. Caps. 1-cell'd, three-sided. Cal. 5-leaved.

378 **Corrigiola.** Cor. 5-petalled. Seed 1, three-sided. Cal. 5-parted.

579 **Pharnaceum.** Cor. none. Cal. 5-leaved. Caps. 3-cell'd.

399 **Xylophylla.** Cal. 5-parted. Caps. 3-grain'd: with two seeds.

382 **Basella.** Cor. none. Cal. 6-cleft. Seed 1, globular, with calyx berried.

* Phamnus Paliurus.

* Celosirrus.

**FOUR FEMALES.**

(Tetragynia)

384 **Parnassia.** Cor. 5-petalled. Caps. 4-valved. Nectararies 5, glandular-fringed.

385 **Evolvulus.** Cor. 1-petalled. Caps. 4-cell'd.

**FIVE FEMALES.**

(Pentagynia)

* Flowers above.

310 **Aralia.** Cor. 5-petalled. Berry 5-seeded.


* Flowers beneath.

392 **Crassula.** Cor. 5-parted. Caps. 5, many-seeded.
PENTANDRIA.

340 Gisekia, 389 Linum, 390 Aldrovanda, 391 Drosera, 2255 Mahernia, 393 Sieboldia, 388 Statice

Cor. c. Cal. 5-leaved. Caps. 5, round. 5-seeded.
Cor. 5-petal'd. Caps. 10-cell'd, 2-seeded.
Cor. 5-petal'd. Caps. 1-cell'd, 10-seeded.
Cor. 5-petal'd. Caps. 1-cell'd, gaping at top.
Cor. 5-petal'd. Caps. 5-cell'd.
Cor. 5-petal'd. Seeds 5. Cal. 10-cleft.
Cor. 5-parted. Seed 1, cloth'd with a funnel-form calyx.

Cerastium pentandrum.
Spergula pentandra.

Fru. = male Geranium.

MANY FEMALES.
(Polygynia)


Ranunculus hederaceus.
152. FIVE MALES. ONE FEMALE. Heliotropium.

ONE FEMALE.
(Monogynia.)

179. HELIOTROPIUM. Cor. salver-form, 5-cleft; with teeth interposed: the throat closed with vaults. Sun. turning.

B.M. peruvianum. 1. H. leaves lance-egg'd, stem shrubby, spikes numerous aggregate-corymbed. peruvian.

B.M. indicum. 2. H. leaves heart-egg'd acute ruggedish, spikes solitary, fruit two-cleft. indian.

parvisflorum. H. leaves egg'd wrinkled rugged opposite alternate, spikes pair'd. small-flower'd.

Europeaum. 3. H. leaves egg'd most intire downy wrinkled, spikes pair'd. european.

fupinum. 4. H. leaves egg'd most intire downy plaited, spikes solitary. supine.

fruticosum. 5. H. leaves linear-lanced hairy, spikes solitary sessile. shrubby.


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. salver-form, 5-cleft, end-nick'd: the throat closed with vaults. Mouse-ear.

E.B. scorioides. 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. Herb. officinal.

E.B. 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.

virginicum.  3. L. leaves suboval nervy, corols pointed.

orientale.  7. L. branches flower-bearing lateral, bractes hearted item-clapling.

purpureum.  4. L. seeds polish'd, corols very frequently surpassing the calyx.

fruticosum.  5. L. shrubby, leaves linear hispid, stamens equalling the corol.

dispernum.  6. L. leaves two, calyces expanding.

tenuiflorum.  L. leaves linear-lanced lance-bristled, corols thread-form. S.

182. ANCHUSA. Cor. funnel-form, the throat closed with vaults. Seeds engraved at the base. Rugofol.

officinalis.  1. A. leaves lanced spikes imbricated one-rank'd.

anguifolia.  2. A. racemes nakedish pair'd.

undulata.  3. A. lance-bristled, leaves linear tooth'd, pedicels less than the bracte, calyces fruit-bearing inflated.

tinctoria.  7. A. downy, leaves lanced obtuse, stamens shorter than the corol.

virginica.  5. A. flowers scatter'd, stem smooth.

lanata,  6. A. leaves villous, calyces fagggy, stamens longer than the corol.

sempervirens.  8. A. peduncles two-leaved headed.

183. CYNOGLOSSUM. Cor. funnel-form, the throat closed with vaults. Seeds depress'd, affix'd to the style on the interior side only. Houndfounge.

officinale.  1. C. stamens shorter than the corol, leaves broad-lanced downy sessile.

virginicum.  2. C. leaves spatule-lanced lucid three-nerved at the base, bracte of the peduncles item-clapling.

cheirifolium.  3. C. corols twice as long as the calyx, leaves lanced.

appeninum.  4. C. stamens equalling the corol.
154. FIVE MALES. ONE FEMALE. Cynoglossum.

*laevigatum. C. leaves lance-egg’d smoothish, calyx downy, seeds polish’d.

lystitanicum. 6. C. leaves linear-lanced smooth.

linifolium. 5. C. leaves linear-lanced rugged.

Omphalodes. 8. C. creeping, radical leaves hearted.

Rinderia. 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.

E.B. 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.

B.M. virginica. 3. P. calyxes abbreviated, leaves lanced obtuse. virginal.

fibririca. 4. P. calyxes abbreviated, radical leaves hearted. fiberian.


185. SYMPHYTUM. Border of the Corol tubular-bellied: the throat closed with awl’d rays. Comfrey.

E.B. officinalis. 1. S. leaves egg-lanced decurrent. officinale.

E.B. tuberosum. 2. S. leaves semidecurrent: the highest opposite. tuberosus.

orientale. 3. S. leaves egg’d subpetioled. orientale.


B.M. major. 1. C. leaves stem-clasping, corols obtuse expanded.

minor. 2. C. leaves stem-clasping intire, corols acute closed.

187. ONOSMA.
187. **ONOSMA.** *Cor.* bell’d: with throat pervious.  

Seeds 4. 

<table>
<thead>
<tr>
<th>Variety</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>simplicissima</td>
<td>O. leaves crowded lance-linear hairy.</td>
</tr>
<tr>
<td>orientalis</td>
<td>2. O. leaves lanced hispid, fruit pendulous.</td>
</tr>
<tr>
<td>echiosides</td>
<td>3. O. leaves lanced hispid, fruit erect.</td>
</tr>
</tbody>
</table>

188. **BORAGO.** *Cor.* wheel’d: the throat closed with Rays. *Borage.*  

Common *Borage.*  

<table>
<thead>
<tr>
<th>Variety</th>
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</tr>
</thead>
<tbody>
<tr>
<td>officinalis</td>
<td>1. B. leaves all alternate, calyxes expanding.</td>
</tr>
<tr>
<td>indica</td>
<td>2. B. leaves of the ramifications opposite stem-clasping, peduncles one-flower’d.</td>
</tr>
<tr>
<td>africana</td>
<td>4. B. leaves opposite petioled egg’d, peduncles many-flower’d.</td>
</tr>
<tr>
<td>zeylanica</td>
<td>B. branch-leaves alternate sessile, peduncles one-flower’d, calyxes earless.</td>
</tr>
<tr>
<td>orientalis</td>
<td>4. B. calyxes shorter than the tube of the corol, leaves hearted.</td>
</tr>
</tbody>
</table>

189. **ASPERUGO.** *Cal.* of the Fruit compress’d: with foldlets flat-parallel, sinuous. *Broom-nut.*  

Broom-nut.  

<table>
<thead>
<tr>
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</tr>
</thead>
<tbody>
<tr>
<td>procumbens</td>
<td>1. A. calyxes of the fruit compress’d, stem prostrate, calyx frutescent inflating pendulous.</td>
</tr>
<tr>
<td>egyptiaca</td>
<td>2. A. calyxes of the fruit bellied,</td>
</tr>
</tbody>
</table>

190. **LYCOPSIS.** *Cor.* with tube curvated.  

Hay consisting.  

<table>
<thead>
<tr>
<th>Variety</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>vesicaria</td>
<td>1. L. leaves most intire, stem prostrate, calyx frutescent inflated pendulous.</td>
</tr>
<tr>
<td>pulla</td>
<td>2. L. leaves most intire, stem erect, calyxes frutescent inflated pendulous.</td>
</tr>
<tr>
<td>variegata</td>
<td>3. L. leaves scollop’d tooth’d callous, stem decumbent, corols bowing, stem erect.</td>
</tr>
<tr>
<td>arvensis</td>
<td>4. L. leaves lanced hispid, calyxes florescent erect. field.</td>
</tr>
<tr>
<td>orientalis</td>
<td>5. L. leaves egg’d most intire rugged, calyxes erect, oriental.</td>
</tr>
<tr>
<td>virginica</td>
<td>6. L. leaves linear-lanced crowded downy soft, stem erect.</td>
</tr>
</tbody>
</table>

191. **ECHIUM.** *Cor.* irregular, with throat naked.  

Hedge Alarm.  

<table>
<thead>
<tr>
<th>Variety</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>fruticosum</td>
<td>1. E. stem shrubby, branches and leaves hairy. shrubby.</td>
</tr>
</tbody>
</table>
I56. FIVE MALES. ONE FEMALE. Echium.

candicans. E. shrubby shaggy white, leaves lanced pointed at both ends vein-nerved, panicle terminal, pedicels spiked. S. hoary.
striatum. E. shrubby, leaves petioled elliptic hispid rugged, stem reversely hispid, peduncles axillary, spike headed. S. upright.
argentum. E. leaves linear white-shaggy expanded at top. silver.
capitatum. 8. E. stem hairy, flowers head-corymbed equal, stamens longer than the corol, leaves hispid. headed.
plantagineum. E. radical leaves egg'd lined petioled. plantain.
levigatum. 2. C. stem polished, leaves lanced naked rugged on the margin and top, equal to the corol. polished.
italicum. 3. E. stem erect hairy, spikes shaggy, corols subequal, stamens longest.
spicatum. E. stems ascending fimbriate, flowers spiked. S. spiked.

E.B.
vulgare. 4. E. stem tubercle-hispid, stem-leaves lanced hispid, flowers spiked lateral. 0. 64. common.
violeum. 9. E. corols equalling the stamens, with tube shorter than the calyx. violet.
creticum. 5. E. stem procumbent, calyxes frutescent distant. cretan.
orientale. 6. E. stem branchy, stem-leaves egg'd, flowers solitary lateral.
lusitanicum. 7. E. corols longer than the stamen.

1245. MESSERSCHMIDIA. Cor. funnel-form with throat naked. Berry coryck, 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.

serrata. 1. T. leaves egg'd saw'd, petioles thorn-becoming, spikes terminal recurved. saw'd.
2. T.
PENTANDRIA. MONOGYNIA. Tournefortia. 157.

193. NOLANA. Cor. bell'd. Style between the germs. Seeds 5, berried, two-cell'd.

prostrata. 1. Nolana. prostrate. B.M.

194. DIAPENSIA. Cor. salver-form. Cal. 5-leaved, imbricated with three leaflets. Stamens placed on the tube of the corol. Caps. 3-cell'd.

lapponica. 1. D. flowers peduncled. Ooct. obv. 17. lapland. B.M.


helvetica. A. imbricated, flowers subsessile. swifts.
apina. 1. A. leaves linear expanding, flowers peduncled. alpine.
Vitaliana. A. leaves linear recurved, flowers subsessile. Vitalian.


maxima. 1. A. perianths of the fruit largest. larges.
elongata. 7. A. leaves somewhat tooth'd, pedicels longest, corols shorter than the calyx. elongate.
158. FIVE MALES. ONE FEMALE. Androface.

B.M. septentrio. 2. A. leaves lanced tooth’d smooth, perianths angled shorter than the corol. Oed. dom. 7. northern.

B.M. villosa. 3. A. leaves hairy perianth shaggy. villous

B.M. lática. 4. A. leaves lanced smooth, umbel many times longer than the involucres. milky.

B.M. earnea. 5. A. leaves awl’d smooth, umbel equalling the involucre. fleshy.

197. PRIMULA. Involucre of the umbellet. Tube of corol cylindric: with mouth expanded. Primrose, whartea, broadlip, aurinia.


E.B. farinosa. 2. P. leaves notch’d smooth, border of the flowers flat. Oed. dom. 195. mealy.

Auricula. 3. P. leaves saw’d smooth.

minima. 5. P. leaves wedge-form tooth’d glossy shaggy, scapes mostly one-flower’d. leaf.

B.B. cortusoides. 7. P. leaves petioled hearted sublobed notch’d. cortusoid-


PI. glutinosa. P. involucre the length of the sefolile flowers, leaves lanced glutinous. 8. glutinous.

198. CORTUSA. Corol wheel’d: with a ring elevated in the throat. Caps. 1-cell’d, oval, with top 5-valved.

B.M. Matthioli. 1. C. calyces shorter than the corol. of Matthiolius.

B.M. Gmelini. 2. C. calyces exceeding the corol. of Gmelin.

199. SOLDANELLA. Corol bell’d, torn-many-cleft. Caps. 1-cell’d, many-tooth’d at top.

B.M. alpina. 1. Soldanella. alpina.


B.M. Meadia. 1. Dodecatheon, American Cowslip.

201. CY-
201. CYCLAMEN. Cor. wheel'd, reflected, with tube shorter: the throat prominent. Berry cover'd with the capsule. *Sow-bread.*

european. 1. C. corol reflected.
indicum. 2. C. corol with border nodding.

european. 1. C. corol reflected.
indicum. 2. C. corol with border nodding.


*Nymphoides.* 1. M. leaves hearted most intire, corols fringed. *Nymphae-
Oeel. pl. 339.

*indica.* 2. M. leaves hearted somewhat notch'd, petioles flower-
bearing, corols internally hairy. *indian.


*ovata.* 4. M. leaves egg'd petioled, stem panicked. *S. egg'd. E.B.*


*paulus.* 1. H. peduncles verticil-many-flower'd. *Oeel. pl. marsh. E.B.


205. ELLISIA. Cor. funnel-form, narrow. Berry dry, two-cell'd, two-valved. Seeds 2, dotted: with one upon the other.

*Nymph. 1. Ellisia.
160. FIVE MALES, ONE FEMALE. Lysimachia.

205. LYSIMACHIA. Cor. wheel'd. Caps. globular, dagger'd, 10-valved. Loose-thistle.

* With peduncles many-flower'd.

E.B. vulgaris. 1. L. panicled: with racemes terminal.
B.M. Ephemeraum. 2. L. racemes simple terminal, petals obtuse, stamens shorter than the corol.

atropurpurea. 3. L. spikes terminal, petals lanced, stamens longer than the corol.

Lyfimachla. 4. L. racemes lateral peduncled. Oed. leu. sp. thyris-fower'd.

* * With peduncles one-flower'd.

quadrispila. 5. L. leaves four-fold fringed to the petiole, peduncles four-fold one-flower'd.

punctata. 6. L. leaves mostly four-fold subseifile, peduncles verticil'd one-flower'd.

Linum fler- 7. L. calyxes surpassing the corol, stem erect most bran-

latum. 8. L. calyxes furpassing the corol, stem erect most bran-

chy.


E.B. nummula- 10. L. leaves nearly hearted flowers solitary, stem creep-

ria. 9. L. leaves nearly hearted flowers solitary, stem creep-
ing. Oed. leu. 49.

206. ANAGALLIS. Cor. wheel'd. Caps. circum-
cised. Primrose.

B.M. monellì. 2. A. leaves undivided stem erect.
B.M. latifolia. 3. A. leaves hearted stem-claping, stem compress'd.

linifolia. 4. A. leaves linear, stem erect'd.

E.B. tenella. A. leaves egg'd acutish, stem creeping.

207. THEOPHRASTA. Cor. bell'd, with the di-

visions and gashes obtuse. Caps. 1-cell'd, globular, largest, many-seeded.

americana. 1. Theophrasta.

american.

209. SPI-
209. SPIGELIA. Cor. funnel-form. Caps. twin'd, 2-cell'd, many-seeded. Worm grafs.

Anthemia. 1. S. stem herbaceous, highest leaves fourfold. Worm.
mariandica. S. stem four-corner'd, all the leaves opposite. mary-


Mungos. 1. O. leaves lance-egg'd.
Mitreola. 2. O. leave egg'd.


longisfolius. 1. L. leaves lanced. long-leaved.
cordisfolius. 2. L. leaves hearted. heart-leaved
chelonoides. L. smooth, leaves opposite subconjoin'd oblong, pani-
cle terminal two-fork'd racemed. S: chalone-
glaber. L. smooth, leaves egg'd petioled, corymbes terminal.
S

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. F.M.

212. AZALEA. Cor. bell'd. Stamens inferted on the receptacle. Caps. 5-cell'd. Upright. Blush suck.
pontica. Q. 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.
vifcofa. 4. A. leaves rugged on the edge, corols hair-glutinous. vifcous.
lapponica. 5. A. leaves besprinkled with hollow dots. lapland.

213. PLUM-
213. PLUMBAGO. Cor. funnel-form. Stamens inserted in scales closing the base of the corol. Stigma 5-cleft. Seed 1, oblong, coated. 


Zeylanica. 2. P. leaves petioled egg'd smooth, stems thread-form. Ceylon.

B M. rosea. 3. P. leaves petioled egg'd smooth somewhat toothleted, knots on the stem gibbous. Rose.

scandens. 4. P. leaves petioled egg'd smooth, stem winding-climbing.


viscosa. 1. Nigrina. Viscous.


paniculata. 1. P. leaves lanced rugged on the edge, corymbs pannicled. 

maculata. 2. P. leaves lanced polish'd, raceme oppositely corymbed. Spotted.

B M. pilosa. 3. P. leaves lanced villous, stem erect, corymbe terminal. Hairy.

B M. 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. Smoothest.


T M. ovata. 7. P. leaves egg'd, flowers solitary. Egg'd.

B M. subulata. 8. P. leaves awl'd shaggy, flowers opposite. Awl'd.


1339. PORANA. Cor. bell’d. Cal. 5-cleft, greater in the Fruit. Style half-two-cleft, longer, permanent. Stigmas globular. Per. two-valved.

215. CONVOLVULUS. Cor. bell’d, plaited. Stigmas 2. Caps. 2-cell’d: with cells two-seeded. /Briotwood/.

* With stem twining.

1. C. leaves arrow’d acute at both ends, peduncles mostly one-flower’d. /Oed. dom. 220./

2. C. leaves arrow’d lop’d behind, peduncles four-corner’d one-flower’d. /Oed. dom. 220./

3. C. leaves arrow’d lop’d behind, peduncles columnar mostly three-flower’d. /Scammony.

4. C. leaves hearted pointed polish’d, peduncles one-flower’d.

5. C. leaves hearted pointed fcollop’d, peduncles three-flower’d, stem mealy.

6. C. leaves hearted pointed villous, calyxes hairy, peduncles mostly two-flower’d.

7. C. leaves hearted intire and three-lobed villous, corols undivided, fruit erect.

8. C. leaves hearted three-lobed, corols half-five-cleft, peduncles shorter than the petiole.

9. C. leaves hearted undivided, fruit bowing, pedicels thicken’d.

10. C. leaves hearted halberted five-nerved, stem creeping tuberiferous hispid.

11. C. leaves hearted pubescent, peduncles double, corols with lobes three-cleft.

12. C.
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. malabar.- 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 calyces polish'd, stem murex'd. murex'd. anceps. 44. C. leaves hearted, stem twining keel'd on both sides. two-edged.

B.M. Turpethum. 17. C. leaves hearted angled, stem membranous quadrangular, peduncles many-flower'd. Turbeth. grandiflorus. 18. C. leaves hearted egg'd obtusifl moll intire, peduncles mollly two-flower'd, calyces leathery, stem and petioles pubescent. S. great-flower'd.


peltatus. 16. C. leaves targetted, peduncles many-flower'd. targetted.

B.M. Jalap. 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, calyces hairy, stem twining. silky.

zomentosus. 18. C. leaves three-lobed downy, stem woolly. downy.

B.M. althaeoides. 19. C. leaves hearted sinuous silky: lobes scallop'd, peduncles two flower'd. althaea-like.

B.M. caerucus. 21. C. leaves feather-handed saw'd, peduncles thread-form panicled; calyces polish'd. cairca.

copticus. 21. C. leaves footed saw'd, peduncles sword-form two-flower'd, calyces murex'd. coptic.

vitifolius. 21. C. leaves handed five-lobed smooth-tooth'd, stem hairy, peduncles many-flower'd vine-leaved.

diffusus. 21. C. leaves handed seven-parted tooth-sinuous smooth, stem hairy, peduncles one-flower'd. diffused.

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 panicled. panicled.

22. C.
22. C. leaves finger’d sevenfold most intire, stem smooth, peduncles three-flower’d.
23. C. leaves finger’d smooth tooth’d, peduncles polish’d.
24. C. leaves finger’d fivefold hairy most intire, stem hairy.

C. scopolarius. C. shrubby erect smooth, branches twiggy, leaves sessile linear, raceme terminal, peduncles mostly three-flower’d. S. scopolaria.

C. 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.

26. C. leaves heart-egg’d, peduncles one-flower’d; bractes lanced, flowers sessile. S. sicilian.

27. C. leaves hearted, peduncles one-flower’d; bracts lanced, flowers sessile.

pentapetaloides. C. leaves lanced obtuse naked lined, branches declined, flowers solitary half-five-cleft. S. five-petal-like.

lineatus. 29. C. leaves lanced silky lined petioled, peduncles two-flower’d, calyxes silky somewhat leafy. S. lined.

Gneorum. 30. C. leaves lanced downy, flowers umbel’d, calyxes faggy, stem erect.

Cantabrica. 31. C. leaves linear-lanced acute, stem branchy erectish, calyxes hairy, peduncles mostly two-flower’d. S. Cantabrian.

Dorycnium. 28. C. leaves sublinear silky, stem shrubbyish panicled, calyxes nakedish obtuse.

corymbosus. 33. C. leaves hearted, peduncles umbel’d, stem creeping. S. corymbed.

spithamaeus. 32. C. leaves hearted pubescent, stem straight, peduncles one-flower’d. S. six-inch.

persicus. 34. C. leaves oval downy, peduncles one-flower’d. S. persian.

tricolor. 35. C. leaves lance-egg’d smooth, stem declined, flowers solitary. S. three-colour’d.

repens. 36. C. leaves arrow’d obtuse behind, stem creeping, peduncles one-flower’d. S. creeping.

repans. 37. C. leaves halbert-lanced: the ears rounded, stem creeping, peduncles one-flower’d. S. trailing.

hirtus. 38. C. leaves hearted and almost halberted villous, stem and petioles hairy, peduncles many-flower’d. S. faggy.

Seldanella. 39. C. leaves kidney-form, peduncles one-flower’d.
166. FIVE MALES. ONE FEMALES. Convolvulus.

brazileniss. 41. C. leaves end-nick’d two-glanded at the base, peduncles three-flower’d.
littoralis. 42. C. leaves oblong lobe-handed, peduncles one-flower’d, stem creeping.
subloebatus. C. procumbent, upper-leaves tooth-scollop’d at top, flowers headed. S.
floridus. C. shrubby prostrate hoary, leaves linear-lanced smooth, thyrs terminal pyramidal compound. S.

216. IPOMOEA. Cor. funnel-form. Stigma globe-headed. Caps. 3-cell’d.
* With flowers disjunct.

B.M. Quamoclit. 1. I. leaves feather-cleft linear, flowers subfolitary.
vulgaris. I. leaves feather-cleft linear, flowers racem’d pendulous.

umbellata. 2. I. leaves finger’d sevenfold, peduncles umbel’d shortest.
cornel. 3. I. leaves finger’d: leaflets petioled, peduncles one-flower’d.

B.M. coccinea. 6. I. leaves hearted pointed angled at the base, peduncles many-flower’d.
lacunosa. 7. I. leaves hearted pointed dimpled angled at the base, peduncles one-flower’d shorter than the flower.

isolifolia. 11. I. leaves hearted acute most intire flowers solitary.

vulgaris. 4. I. leaves handed: lobes sevenfold lanced acute, most intire, peduncles three-flower’d.
digitata. 5. I. leaves handed: lobes sevenfold lanced obtuse, peduncles three-flower’d.

B.M. bonanex. 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.

violacea. 10. I. leaves hearted most intire, flowers crowded, corols undivided.
carnosa. 18. I. leaves hearted smooth, peduncles many-flower’d, corols edged.

19. I.
PENTANDRIA. MONOGYNIA. Ipomea. 167.

repanda. 19. I. leaves hearted oblong fcollop’d, peduncles branchy
cymed.

haastata. I. leaves arrow-halberted, peduncles two-flower’d.

glaucesfolia. 12. I. leaves arrow’d lop’d behind, peduncles two-
flower’d.

triloba. 13. I. leaves three-lobed hearted, peduncles three-
flower’d.

hederifolia. 14. I. leaves three-lobed hearted, peduncles many-
flower’d racemed.

* * With Flowers aggregate.

hepatici- 15. I. leaves three-lobed, flowers aggregate. hepatica-
folia.

tamnifolia. 16. I. leaves hearted pointed hairy; flowers aggregate.
tammus-leaved.

Pestigridis. 17. I. leaves handed, flowers aggregate. tiger-foot.

217. POLEMONIUM. Cor. 5-parted, the bottom
closed with ftamen-bearing valves.
Stigma 3-cleft. Caps. 3-cell’d, above.

cæruleum. 1. P. leaves feather’d, flowers erect, calyxes longer than
the tube of the corol.

cæp. 2. P. leaves feather’d sevenfold, flowers terminal nod-
ding.

dubium. 4. P. inferior leaves halberted, superior ones lanced. du-
bious.

Roelloides. P. erect, stem thread-form, leaves lanced fringed,
panicle few-flower’d pedunled 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 ftamen-bearing valves.

* 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.
168. FIVE MALES. ONE FEMALE. Campanula.

**B.M.** pulla. 2. C. stemlets one-flower'd, stem leaves egg'd notch'd, calyces bowing. dark.

**E.B.** rotundifolia. 3. C. radical leaves kidney-form, stem-ones linear, round-leaved.


**E.B.** Rapolnculus. 5. C. leaves waved: radical ones lance-oval, panicle condensed.

**B.M.** 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.


**rhombeidea.** 10. C. leaves rhomb-like saw'd, spike one-rank'd, calyces tooth'd. rhomb-like.

**unidenta.** 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.

**seffilflora.** C. prostrate, leaves linear-awl'd intire, flowers axillary solitary sessile. *S.* sessile-flower'd.

**paniculata.** C. herbaceous erect, stem panicked, branches divaricated, leaves lanced intire, flowers terminal. *S.* panicked.

**capillacea.** C. herbaceous erect, leaves thread-form smooth, 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.

**B.M.** 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
**With Leaves rugged broader.**

*latifolia.* 11. C. leaves egg-lanced, stem simplest columnar, flowers solitary peduncled, fruit bowing. *broad-leaved.*

*rapunculoides.* 12. C. leaves heart-lanced, stem branchy, flowers one-ranked scatter'd, calyces reflected. *rapunculus-like.*

*bontonicensis.* 13. C. leaves egg-lanced rugged underneath sessile, stem panicked.


*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 subfolitary peduncled. S. *waved.*

*Trachelium.* 16. C. stem angled, leaves petioled, calyces 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.


*bispidula.* C. hispid, flowers erect, calyces the length of the corol. S. *bispidish.*


*fasiculata.* C. shrubby erect, leaves egg'd mostly one-tooth'd recurved, flowers glomerate terminal. S. *fasicled.*

*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.

| B.M. barbata | 22. C. | capsules five-cell’d cover’d, stem simplest mostly one-leaved, leaves lanced, corols bearded. | bearded. |
| B.M. aurea |  | capsules five-cell’d stigmas five-cleft, stem pannicled, leaves double-saw’d. | golden. |
| B.M. spicata | 15. C. | hispid, spike loose, flowers alternate, leaves linear, most intire. | spike. |
| B.M. alpina | 41. C. | stem simple, peduncles one-flower’d axillary two-leaved. | alpine. |
| B.M. mollis | 25. C. | capsules five-cell’d cover’d peduncled, stem prostrate, leaves suborbicular. | soft. |
| B.M. faxatilla | 26. C. | capsules five-keel’d cover’d, flowers alternate, nodding, leaves inverse-egg’d notch’d. | rock. |
| B.M. fibirica | 23. C. | capsules three-cell’d cover’d, stem panicled. | fiberian. |
| B.M. tridentata | 42. C. | capsules five-cell’d cover’d, stem one-flower’d, radical leaves three-tooth’d. | three-tooth’d. |
| B.M. laciniata | 27. C. | capsules cover’d peduncled, leaves saw’d : radical leaves lyred : stem leaves lanced. | jagg’d. |
| B.M. friaeta | 28. C. | capsules cover’d, leaves faggy; stem-leaves lanced saw’d, stem simplest, flowers sessile. | upright. |
| B.M. canariensis | 29. C. | capsules five-cell’d, leaves opposite halberted tooth’d petioled. | canary. |
| B.M. fruteosa | 30. C. | capsules columnar five-cell’d: stem shrubby, leaves linear-awl’d, peduncles longest. | shrubby. |
| B.M. Speculum | 31. C. | stem most branchy diffuse, leaves oblong somewhat notch’d, flowers solitary, capsules prismatic. | Looking-glass. |
| E.B. hybrida | 32. C. | stem branchyish at the base upright, leaves oblong notch’d, calyces aggregate longer than the corol, capsules prismatic. | mule. |
| E.B. limonia | 33. C. | branches expanding undivided, radical leaves elliptic polish’d most intire, flowers sessile threefold. | polifh’d. |
| Pentagonia | 34. C. | stem subdivided most branchy, leaves linear pointed. | leaf-pierced. |
| Pfrifoliata | 35. C. | stem simple, leaves hearted tooth’d stem-clasping, flowers sessile aggregate. | cape. |
| Pentagonia | 36. C. | leaves lanced tooth’d hispid, peduncles longest, capsule lance-bristled. | cape. |
| E.B. perfoliata | 37. C. | leaves hearted tooth’d pubescent petioled, stem prostrate, peduncles capillary many-flower’d. | leaf-pierced. |
| E.B. hedractea | 38. C. | leaves hearted five-lobed petioled smooth, stem flexible. | ivy. |
PENTANDRIA. MONOGYNIA. Campanula. 171.

erinoides. 42. C. stem diffuse, leaves lanced somewhat saw'd decurrent with a rugged line, flowers peduncled solitary.  

heterophylla. 39. C. leaves somewhat egg'd smooth most intire, stems diffuse.  

Erinus. 40. C. stem two-fork'd, leaves sejise: the superior ones, opposite three-tooth'd.

219. ROELLA. Cor. funnel-form with the bottom closed by stamen-bearing valves. Stigma 2 cleft. Caps. 2 cell'd, cylindric, beneath.

eiliata. 1. R. leaves fringed: dagger straight.  

reticulata. 2. R. leaves fringed: dagger reflected.  

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 subsppiked. S. spiked.  

muscotata. 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. Caps. 2 or 3 cell'd, beneath.  

pauciflora. 1. P. head somewhat leafy, leaves all lanced. few-flowered.  

haemispherica. 2. P. head roundish, leaves linear very intire. hemispherical.  

comosa. 5. P. fascicle terminal sejise, 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. Droth. 362. spiked.  

pinnata. 6. P. flowers scatter'd, leaves feather'd. feather'd.

221. TRACHELIUM. Cor. funnel-form. Stigma globular. Caps. 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. Tracheliurn.

tenusfolium. T. erectish, leaves linear fringed hispid. S. slender-leaved.
caeruleum. T. branchy erect, leaves egg’d saw’d flat. blue.

222. SAMOLUS. Cor. salver-form. Stamens fortified with the scalelets of the corol. Cap. 1-cell’d, beneath. Habit Simpolar.

223. NAUCLEA. Cor. funnel-form. Seed 1, beneath, two-cell’d. Common Receptacle globular.
orientalis, 1. Nauclea.

224. RONDELETIA. Cor. funnel-form. Cap. 2-cell’d, beneath, many-seeded, round-ish, crown’d.
americana. 1. R. leaves sessile, panicle two-fork’d. american.
asiatica. 2. R. leaves petiol’d oblong acute. asiatic.
odorata. 4. R. leaves petiol’d somewhat egg’d obtuse. odorous.
trifoliata. 3. R. leaves threefold. three-leaved.

225. MACROCNEUM. Cor. bell’d. Cap. beneath, 2-cell’d. Seeds imbricated.
jamaicense. 1. Macrocneum.

226. BELLONIA. Cor. wheel’d. Cap. 1-cell’d, beneath, many-seeded, calyx beak’d.
aspera. 1. Bellonia. rough.

227. PORTLANDIA. Cor. club-funnel-form. Anthers longitudinal. Cap. five-corner’d, retuse, two-cell’d, many-seeded, crown’d with a 5-leaved calyx.
B.M. grandiflora. 1. P. flowers five-male. great-flower’d.
hexandra. 2. P. flowers six-male. six-male.
PENTANDRIA. MONOGYNIA. Portlandia. 173.


Lobelia. SCÆVOLA.

228. CINCHONA. Cor. funnel-form woolly at top. Caps. beneath, 2-cell'd, with the partition parallel. (The bark.)
corymbifera. C. leaves oblong lanced, corymbes axillary. S. cor-
officinalis. C. leaves elliptic pubescent underneath, border of the corol woolly. S.

asatica. 1. P. stipules end-nick'd, leaves lance-egg'd. asatic.
jerbens. P. stem subherbaceous creeping, leaves egg'd acute at both ends. creeping.
herbacea. 2. P. stem herbaceous creeping, leaves hearted petioled. herbaceous.
emetica. P. herbaceous procumbent, leaves lanced smooth, stipules behind the leaf awl'd, heads axillary peduncled few-flower'd. S. emetic.

arabica. 1. C. flowers five-cleft two-seeded. arabian. B.M.
occidentalis. 2. C. flowers four-cleft, berries many-seeded. occidental.

231. CHIOCOCCA.
174. FIVE MALES. ONE FEMALE. Chiococca.

231. CHIOCOCCA. Cor. funnelf-form, equal. Berry 1-cell'd, two-seeded, beneath.

paniculata. C. erect, with leaves egg'd, flowers terminal panicled, 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.

B.M. patens. 1. H. racemes expanding.

233. LONICERA. Cor. one-petal'd, irregular. Berry many-seeded, two-cell'd, beneath. Honey-fuckle.

* Periclymena with a twining stem.

E.B. Caprifolium. 1. L. flowers verticil'd, terminal sessile, the highest leaves conjoin-leaf-pierced.

L.M. sempervirens. 2. L. verticils leafless terminal, the highest leaves conjoin-leaf-pierced.


disica. 12. L. peduncles two-flower'd, leaves most intire pubescent.

E.B. Periclymenum. 3. L. heads egg'd imbricated terminal, leaves all distinct.

* * 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.

E.B. Xylosteum. 6. L. peduncles two-flower'd, berries distinct, leaves most intire pubescent.

pyrenaica. 7. L. peduncles two-flower'd berries distinct, leaves oblong 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 globular, styles undivided. blue.

* * * Stem erect, peduncles many-flower'd

BM Symphori-carpus 11. L. heads lateral peduncled, leaves petioled.
234. TRIOSTEUM.  Cor. one-petal'd, subequal.  
Cal. the length of the corol.  Berry 3-cell'd, one-seeded, beneath.  Thin. con. coed.

persoliatum.  1. T. flowers verticil'd sessile.
angustifol.  2. T. flowers opposite peduncled.  narrow-leaved.

235. MORINDA. Flowers aggregate, one-petal'd.  
Stigma 2-cleft. Drupes aggregate.

umbellata.  1. M. eret, leaves lance-egg'd, peduncles crowded.

citrifolia.  2. M. arborescent, peduncles solitary.  citron-leaved.

Royoc.  3. M. procumbent

336. CONOCARPUS. Cor. 5-petal'd or none.  

erecda.  1. C. eret, leaves lanced.
procumbens.  3. C. procumbent, leaves inverse-egg'd.  procumbent.
racemosa.  2. C. leaves lance-egg'd obtusifl, fruits separate.  racemose.


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. Cor. salver-fom. Cal. 3-leaved. Berry 4-cell’d. Seeds solitary.

241. MUSSÆNDA. Cor. funnel-form. Stigmas 2. thickish. Berry oblong, beneath. Seeds disposed 4-facewise

1231. MATTHIOLA. Cor. tubular, above, undivided. Calyx intire. Drupe with a globular nucleus,


1229. BROSSÆA. Cor. lop’d. Cal. fleshy. Caps. 5-cell’d, many-seeded.

245. VERBASCUM.
245. VERBASCUM. Cor. wheel'd, subequal. 
Caps. 2-cell'd, 2-valved. 
Thapsus. 1. V. leaves decurrent downy on both sides, stem simple.
Thapsoides. 12. V. leaves decurrent, stem branchy.
Boerhaavia. 12. V. leaves sublyred, flowers sessile.
Phlomoides. 3. V. leaves eg'd downy on both sides; the inferior ones petioled.
Nigrum. 4. V. leaves heart-oblong petioled.
Phaeniceum. 5. V. radical leaves egg'd downy on both sides; the inferior ones petioled.
Blattaria. 6. V. leaves stem-clasping oblong smooth, peduncles solitary.
Sinuaturn. 9. V. radical leaves feathercleft-collop'd downy; stem-leaves stem-clasping nakedish; first branches opposite.
Osbeckii. 10. V. leaves gash'd naked, stem leafy, calyxes woolley, peduncles two-flower'd.
Spinosum. 8. V. stem leafy thorny shrub-growing.
Mycioni. 11. V. radical leaves woolly, scape naked.

246. DATURA. Cor. funnel-form plaited. Cal. tubular, angled, deciduous. Caps. 4-valved. 
Ferox. 1. D. pericarps thorny erect egg'd: the highest thorns longest converging.
Stramonium. 2. D. pericarps thorny erect egg'd, leaves egg'd smooth.
Tatula. 3. D. pericarps thorny erect egg'd: leaves hearted smooth tooth'd.
Fafluosa. 5. D. pericarps tubercled nodding globular, leaves egg'd angled.
Metel. 4. D. pericarps thorny nodding globular, leaves hearted almost intire pubesc. 
lavus. D. pericarps egg'd smooth unarmed erect, stem herbaceous. S.

M. E. B. niger. 1. H. leaves stem-clasping sinuous, flowers sessile. black
albus. 2. H. leaves petioled sinuous, obtuse, flowers sessile. white.

B. M. aureus. 3. H. leaves petioled toothed acute, flowers peduncled, fruit pendulous. golden.
muticus. 6. H. leaves petioled egg'd acute-angled, calyxes awn-lefs, bractes undivided. awnless.
pufillus. 4. H. leaves lanced toothed: the inferior floral leaves two-fold, calyxes thorny.

B. M. physaloides. 5. H. leaves egg'd most intire, calyxes inflated subglo-bular. physalis-like.
B. M. Scopelia. 7. H. leaves egg'd intire, calyxes inflated bell'd polished.


Tabacum. 3. N. leaves lance-egg'd sessile decurrent, flowers acute. shrubby.
fruticosa. 2. N. leaves lanced subpetioled stem-clasping, flowers acute, stem shrub-growing. shrubby.
ruglca. 4. N. leaves petioled egg'd most intire, flowers obtuse. shrubby.
paniculata. 3. N. leaves petioled hearted most intire, flowers panic-cled 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.
pusilla. 1. N. radical leaves oblong-oval, flowers racemed acute. feeble.

249. ATROPA. Cor. bell'd. Stamens distant. Berry globular, 2-cell'd. Deadly nightshade.

Mandragora. 1. A. stemless, scapes one-flower'd.
E. B. Belladona. 2. A. stem herbaceous, leaves egg'd intire. deadly-nightshade.
B. M. physaloides. 3. A. stem herbaceous, leaves sinuous-angled, calyxes closed acute-angled. physalis-like.

A.
PENTANDRIA. MONOOGYNIA. Atropa. 179.

Solanacea.  A. stem shrubby, peduncles solitary, corols bell'd, leaves somewhat edg'd.

arborescens. 5. A. stem shrub-growing, peduncles crowded, corols revolute, leaves oblong.

frutescens. 4. A. stem shrubby, peduncles crowded, leaves heart-egg'd obtuse.

250. PHYSALIS. Cor. wheel'd. Stamens converging. Berry within the inflated calyx, 2-cell'd. Winter cherry

* Perennial.

fornifera. 1. P. stem shrubby, branches straight, flowers crowded.

flexuosa. 2. P. stem shrubby, branches winding, flowers crowded.

arborescens. 3. P. stem shrubby, leaves egg'd hairy, flowers solitary, corols revolute.

curtassavica. 4. P. stem shrubby, leaves egg'd downy.

vijcosa. 5. P. leaves double scoloped obtuse somewhat downy, stem herbaceous paniced above.

pensylvanica. 11. P. leaves egg'd somewhat scoloped obtuse nakedish, flowers double, stem herbaceous. pensylvanian.

Alkekengi. 6. P. leaves double intire acute, stem herbaceous somewhat 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.

pubescent. 8. P. most branchy, leaves villous-viscous, flowers pen- fulous.

minima. 9. P. most branchy, peduncles fruit-bearing longer than the villous leaf.

pruinosa. 10. P. most branchy, leaves subvillous, peduncles up-right.


Verbascifolia. 1. S. stem unarm'd shrubby, leaves egg'd downy most intire, umbels compound. Verbascum-leaved.

Z 2

3. S.
FIVE MALES. ONE FEMALE. Solanum.

Pseudo-Cap- 3. S. stem unarm'd shrubby, leaves lanced scollop'd. 4. S. stem unarm'd shrubby, leaves double: one less, flowers cymed. 5. S. stem unarm'd shrub-growing, superior leaves halberted, racemes cymed. 6. S. stem unarm'd subherbaceous angled winding rugged, leaves feather-cleft, racemes cymed. 7. S. stem unarm'd herbaceous polish'd roundish prostrate rooting, leaves feather-cleft, racemes cymed. 8. S. stem unarm'd shrubby, leaves lanced glossy most intire, peduncles mostly two flower'd. 9. S. stem unarm'd herbaceous, leaves lanced gloffy most intire, peduncles mosty two flower'd. 10. S. stem unarm'd herbaceous, leaves feather'd most intire, peduncles subdivided. 11. S. stem unarm'd herbaceous, leaves feather'd most intire, racemes simple. 12. S. stem unarm'd herbaceous, leaves feather'd most intire, racemes simple. 13. S. stem unarm'd herbaceous, leaves feather'd gash'd, downy, racemes two-parted leafy, berries hairy. 14. S. stem unarm'd herbaceous, somewhat hearted scollop'd. 15. S. stem unarm'd subperennial, leaves double egg'd most intire, peduncles subumbel'd. 16. S. stem unarm'd herbaceous, leaves egg'd tooth-angled, racemes two-rank'd nodding. 17. S. stem unarm'd herbaceous, leaves egg'd scollop-angled, peduncles fertile one-flowered bowing. 18. S. stem unarm'd herbaceous, leaves egg'd downy, peduncles pendulous thicken'd, calyxes unarm'd. 19. S. unarm'd, stalk twining, leaves hearted egg'd depending softest underneath, panicles terminal. 20. S. unarm'd, stalk twining, leaves hearted egg'd depending softest underneath, panicles terminal.
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.

infanum.  30. S. stem prickly herbaceous, leaves egg'd downy, peduncles pendulous thicken'd, calyxes prickly.  infane.

ferox.  17. S. stem prickly herbaceous, leaves hearted angled downy prickly, berries shaggy covered by the calyx.  ferocious.

campechianum.  13. S. stem prickly shaggy, leaves heart-oblong five-lobed: finufes obtuse elevated.  campechianum.

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 finuous-angled smooth above, flowers panicled: paniculatum.

virginianum.  21. S. stem prickly angled, leaves feather-cleft every way prickly: the divisions finuous obtuse, calyxes prickly.  virginianum.

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.  carolinianum.

sedo erectum.  25. S. stem prickly shrubby columnar, leaves feather-cleft-sinuous scatteredly prickled naked, calyxes prickly.  sedo erectum.

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-dufted.  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.
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 finous-feathered therecleft prickly naked: alternate divisions entire obtuse. S. Cape.

* * * Thorny.

**lycioides.** 34. S. stem thorny shrubby, leaves elliptic. lycium-like.

252. CAPSICUM. Cor. wheel’d. Berry juice-less. \_guinea-pepper.\_

**annuum.** 1. C. stem herbaceous, peduncles solitary. annual.

**baccatum.** 3. C. stem shrubby polish’d, peduncles double. berried.

**grussium.** 4. C. stem shrubby, fruit thicken’d various. gross.

**fruteceans.** 2. C. stem shrubby ruggedish, peduncles solitary. shrub.

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, peduncles verticil’d. S. drunckards.

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. \_fake-josmines.\_

**nocturnum.** 1. C. flowers peduncled, leaves somewhat heart-egg’d. night. C.
PENTANDRIA. MONOGYNIA. Cebrum. 183.

183. Ceftrum. 1. C. flowers subspiked lateral, leaves elliptic. evening. 2. C. flowers sessile. day. 3. 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. Jussinio like. Boerthorn.


fetidum. 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.

Boerhavia- L. thorny, leaves egg’d most intire acute sea-green, flowers panicked. S. Boerhavia-leaved.

254. JACQUINIA. Cor. 10-cleft. Stamens inserted in the receptacle. Berry 1-seeded.

armillaris. 2. I. leaves obtuse with a point. bracelet. rufescifolia. 1. I. leaves lanced pointed. Rufeus-leaved. linearis. 3. I. leaves linear pointed. linear.

255. CHIRONIA. Cor. wheel’d. Pistil declined. Stamens fitting on the tube of the corol. Anthers at last spiral. Pericarp 2-cell’d.

184. FIVE MALES. ONE FEMALE. Chironia.

campanulata. 4. C. herbaceous, leaves sublinear, calyxes the length of the corol.

angularis. 5. C. herbaceous, stem acute-angled, leaves egg'd stem-clasping.

BM. linooides. 2. C. herbaceous, leaves linear. Flax-like.

BM. baccifera. 7. C. shrub-growing, berry-bearing. berry-bearing.

BM. frutescens. 8. C. shrub-growing, leaves lanced somewhat downy, calyxes bell'd.

tetragona. C. shrubby, leaves egg'd three-nerved obtusifish calyx-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.


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.

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.

Galboceola. 5. C. leaves heart-egg'd most intire, flowers corymbed, calyxes internally downy.

208. PATAGONULA. Cor. wheel'd. Style two-fork'd. Cal. fruit-bearing largest.

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 panicked. *tinus-leaved.*
- *Bourreria.* 3. E. leaves egg'd mostly intire polish'd, flowers subco-rymbed, calyces smooth.

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. *fluted.*
- *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. **CHRYSSOPHYLLUM.** *Cor.* bell'd, 10-cleft: the alternate divisions expanded. *Berry* 10-seeded. *Action leaf.*

- *Cainito.* 1. C. leaves egg'd parallelly striated, down-glossy underneath.
- *glabrum.* 2. C. leaves most smooth on both sides. *smooth.*

Aa 264. SI-

mite. 1. S. unarm'd, flowers sessile. mild.
inerme. 1. S. unarm'd, leaves perennial inverse-egg'd, peduncles columnar.
unarm'd.
melanopleus. 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.
spinifex. 7. S. thorny, leaves perennial. thorny.
foetidissima. 6. S. unarm'd, leaves subopposite, flowers most expanding. most fetid.
cymosum. 8. S. unarm'd, leaves opposite petioled, cymes compound and decompound. S. cymed.


E.B. catharticus. 1. R. thorns terminal, flowers four-cleft, two-house leaves egg'd, stem erect. cathartic.
inspectorius. 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.
pentaphyllus. R. thorns lateral, leaves solitary and five-leaved.

** Unarm'd.

Sarcompha- 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.

io. R.

cubenfs, 10. R. unarmed, flowers hermaphrodite, capsules three-cell’d, leaves wrinkled most intire downy. Cuba.
colubrinus. 8. R. unarmed, flowers one-female hermaphrodite erect, capsules three-grained, petioles iron-downy.
apinus. 4. R. unarmed, flowers two-house, leaves double-notch’d.
pumilus. 21. R. unarmed creeping, flowers hermaphrodite, leaves saw’d.
Frangula. 5. R. unarmed, flowers one-female hermaphrodite, leaves most intire Oed. Jan. 278.
lineatus. 11. R. unarmed, flowers hermaphrodite, leaves egg’d lined socollop’d netted underneath.
Alaternus. 9. R. unarmed, flowers two-house, stigma three-fold, leaves saw’d.
volutalis. R. unarmed, stem twining, leaves most intire egg’d striated. S. twining.
tetragonus. R. unarmed, leaves egg’d intire smooth sessile, branches four-corner’d. S. four-corner’d.

*** Prickly.

ignaveus. 17. R. prickles doubled: one expanding, racemes axillary one-house, leaves naked.
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 subsessile, leaves half-hearted downy underneath.
Zizyphus. 18. R. prickles doubled: one recurved, flowers two-female, leaves egg-oblong.
Spina 19. R. prickles doubled straight, leaves egg’d. thorn of Chrifti.
circumscissus. R. prickly, leaves opposite two-faced inverse-hearted prickles opposite-leav’d. S. circumcised.
266. PHYLICA. Perianth 5-parted, top-like. Petals 0. Scales 5, fortifying the stamens. Caps. three-grain'd, beneath.

<table>
<thead>
<tr>
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<tbody>
<tr>
<td></td>
<td>bicolor</td>
<td>P. leaves linear pubescent, common calyxes shorter than the corol.</td>
<td>two-coloured.</td>
</tr>
<tr>
<td></td>
<td>plumosa</td>
<td>2. P. leaves linearawl'd: the highest shaggy. feathery.</td>
<td></td>
</tr>
<tr>
<td></td>
<td>plumosa</td>
<td>2. P. leaves linear obtuse rugged, flowers terminal pubescent.</td>
<td>hearded.</td>
</tr>
<tr>
<td></td>
<td>stipularis</td>
<td>P. leaves linear stipuled, flowers five-horned. stipuled.</td>
<td></td>
</tr>
<tr>
<td></td>
<td>dioica</td>
<td>B. P. leaves hearted.</td>
<td>two-house.</td>
</tr>
<tr>
<td></td>
<td>buxifolia</td>
<td>3. P. leaves egg'd scatter'd and three-fold downy underneath.</td>
<td>Box-leaved.</td>
</tr>
<tr>
<td></td>
<td>racemosa</td>
<td>P. leaves egg'd smooth, flowers simple panicle-racemed.</td>
<td>racemed.</td>
</tr>
<tr>
<td></td>
<td>parviflora</td>
<td>P. leaves awl'd acute rugged somewhat hairy, branches panicle-many-flower'd. small-flower'd.</td>
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<td></td>
<td>pinifolia</td>
<td>P. leaves awnly flat on both sides smoothest, flowers panicle-racemed. S. pine-leaved.</td>
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<tr>
<td></td>
<td>callosa</td>
<td>P. leaves hearted lanced downy underneath papillos above pungent at top, flowers headed villous. S. callos.</td>
<td></td>
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<tr>
<td></td>
<td>spicata</td>
<td>P. leaves heart-arrow'd lanced downy underneath smoothest above pointed pungent, spikes woolly. S. spiked.</td>
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</tbody>
</table>

267. CEANOTHUS. Petals 5, bag'd, vaulted. Berry dry, 3-cell'd, 3-fedeed.

<table>
<thead>
<tr>
<th>B.M.</th>
<th>americana</th>
<th>i. C. leaves three-nerved.</th>
<th>American.</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>astaticus</td>
<td>2. C. leaves egg'd nerveless.</td>
<td>asian.</td>
</tr>
<tr>
<td></td>
<td>africanus</td>
<td>3. C. leaves lanced nerveless, stipules roundish. african.</td>
<td></td>
</tr>
</tbody>
</table>


268. BÜTTNERIA. Cor. 5-petal'd. Filaments growing at top to the petals. Caps. 5-grain'd, murex'd.

<table>
<thead>
<tr>
<th>B.M.</th>
<th>scabra</th>
<th>i. B. leaves rib and petioles prickled.</th>
<th>rugged.</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>microphylla</td>
<td>B. branches winding polish'd, leaves unarm'd. small-leaved.</td>
<td></td>
</tr>
</tbody>
</table>

269. MYRSINE.


272. DIOSMA.
272. **Diosma. Cor. 5-petal’d. Nectaries 5, above the Germ. Caps. 3 or 5 united. Seeds calyptraed.**

<table>
<thead>
<tr>
<th>Oppositefolia</th>
<th>1. D. leaves awl’d acute opposite.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Bifurcata</td>
<td>2. D. leaves linear shaggy.</td>
</tr>
<tr>
<td>Rubra</td>
<td>3. D. leaves linear dagger’d smooth keel’d, dotted underneath both ways.</td>
</tr>
<tr>
<td>Ericoides</td>
<td>4. D. leaves linear-lanced, convex under, imbricated two ways.</td>
</tr>
<tr>
<td>Capensiss</td>
<td>D. leaves linear three-fided dotted underneath.</td>
</tr>
<tr>
<td>Capitata</td>
<td>D. leaves linear imbricated rugged fringed, flowers spike-headed.</td>
</tr>
<tr>
<td>Cupressina</td>
<td>10. D. leaves egg’d three-fided imbricated, flowers solitary terminal sessile.</td>
</tr>
<tr>
<td>Imbricata</td>
<td>D. leaves egg’d dagger’d imbricated fringed.</td>
</tr>
<tr>
<td>Ciliata</td>
<td>5. D. leaves lanced fringed wrinkled.</td>
</tr>
<tr>
<td>Uniflora</td>
<td>7. D. leaves egg-oblong, flowers solitary terminal.</td>
</tr>
<tr>
<td>Pulchella</td>
<td>9. D. leaves egg’d obtuse glandular-notched, flowers double axillary.</td>
</tr>
<tr>
<td>Latifolia</td>
<td>D. leaves egg’d notch’d, peduncles axillary solitary, stem villous.</td>
</tr>
<tr>
<td>Unicapsularis</td>
<td>D. capsules one-cell’d.</td>
</tr>
<tr>
<td>Marginata</td>
<td>D. leaves heart-attenuated membrane-marginated.</td>
</tr>
<tr>
<td>Barbigerata</td>
<td>D. leaves hearted stem-clasping, petals bearded.</td>
</tr>
<tr>
<td>Tetragna</td>
<td>D. leaves hearted retuse complicate-keel’d fringed, branches one-flower’d.</td>
</tr>
</tbody>
</table>

**B.M. BRUNIA. Flowers aggregate. Filaments inserted in the claws of the petals. Stigma 2-cleft. Seeds solitary, two-cell’d.**

<table>
<thead>
<tr>
<th>Nodiflora</th>
<th>1. B. leaves imbricated three-fided acute.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Paleacea</td>
<td>B. leaves five-ways imbricated appressed, corymb terminal, chaff of the heads protruded.</td>
</tr>
</tbody>
</table>
PENTANDRIA. MONOGYNIA. Brinia. 191.

1372. ESCALLONIA. Fruit two-cell'd, many seeded. Petals distant, tongued. Stigma headed.


1373. CORYNOCARPUS. Nut club'd. Nectaries five, petalform, alternating with the petals, gland-bearing at the base. S. club fruit.

laevigata. Corynocarpus. S. polish'd.

1374. ARGOPHYLLUM. Capsule three-celled. Nectary pyramidal, five-angled, the length of the corol. S. White leaf.

nitidum. Argophyllum. S. glossy.


racemiflora. 1. Cyrilla.

275. ITEA. Petals long, inserted in the calyx. Caps. 1-cell'd, 2-valved.

virginica. 1. Itea virginian. D.B.

276. GALAX.
192. FIVE MALES, ONE FEMALE. Galax.


aphylla. 1. Galax.

277. CEDRELA. Cal. withering. Cor. 5-petal’d, funnel-form, growing at the base to one-third of the receptacle. Caps. woody, 5-cell’d, 5-valved. Seeds imbricated downwards, with a membranous wing.

odorata. A C. flowers panicked.

278. MANGIFERA. Cor. 5-petal’d. Drupe kidney-form. M. odorata.]

pinnata. Leaves feather’d, flowers ten-male. S. feather’d.

indica. 1. Leaves simple flowers ten-male. S. Indian.

d. C. flowers panicled. odorous.

278. MANGIFERA. Cor. 5-petal’d. Drupe kidney-form. M. odorata.]

pinnata. Leaves feather’d, flowers ten-male. S. feather’d.

indica. 1. Leaves simple flowers ten-male. S. Indian.


1249. PLECTRONIA. Petals 5 inserted in the throat of the calyx. Berry 2-seeded, beneath.


281. RIBES. Petals 5 and the stamens inserted in the calyx. Style 2-cleft. Berry many-seeded, beneath, Gooseberry unarmed.

rubrum. 1. R. unarmed, racemes smooth pendulous, flowers flat-tish.

* Ribesia unarmed. Courants.
alpinum. 2. R. unarm'd, racemes erect: with bractes longer than the flower.  

nigrum. 3. R. unarm'd, racemes hairy, flowers oblong. black.  

* * Groffularia prickly. Gooseberries.  

reclinata. 4. R. branches somewhat prickly reclined, peduncles with a three-leaved bracte.  

Groffularia. 5. R. branches prickly, fringes of the petioles hairy, berries faggy.  

Una crispa. 7. R. branches prickly, berries smooth, pedicels with a one-leaved bracte.  

oxyacanthoi- 6. R. branches every way prickly.  

des. 8. R. prickles subaxillary, berries prickly racemed.  

diacantha.  R. leaves gashed, prickles double at the ends.  

two-thorn'd.  

GRONOVIA.  Petals 5 and the stamens inserted on the bell'd calyx. Berry dry, one-feded, beneath.  

scandens. 1. Gronovia. climbing.  


sambucina.  AQUILICIA. Elder.  

HEDERA. Petals 5, oblong. Berry 5-feded encompass'd by the calyx. Ivy.  

Helix. 1. H. leaves egg'd and lobed.  

quinquefolia. 2. H. leaves fived egg'd sawed. five-leaved.  


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.  

Bb 4 V.
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.

laciniosa. 6. V. leaves fived: the leaflets many-cleft.

heptaphylla. V. leaves seven'd egg'd most intire.

arborea. 7. V. leaves super-decompounded: the lateral leaflets feathered


1234. RORIDULA. Cor. 5-petal'd. Cal. 5-leaved. Caps. 3-valved. Anthers bag-form at the base. Low-drop

dentata. 1. Roridula!

286. SAUVAGESIA. Cor. 5-petal'd, fring'd. Cal. 5-leaved. Nectary 5-leaved, alternating with the petals. Caps. 1-cell'd.

ereéa. 1. Sauvagesia.

287. CLAYTONIA. Cal. 2-valved. Cor. 5-petal'd. Stigma 3-cleft. Caps. 3-valved, 1-cell'd, 3-seeded.

virginica. 1. C. leaves linear. virginian.

fibirica. 2. C. leaves egg'd. fiberian.


1297. HELICONIA. Spathe universal and partial. Cal. 0. Cor. 3-petal'd: Nectary 2-leaved. Caps. three-grain'd.

Bibai. H. leaves nerved netted attenuated at the base, nectary halberted free. S.
PENTANDRIA. MONOGYNIA. Heliconia. 195.

alba. H. nerves of the leaves most simple smoothest, egg-rounded at the base, nectary halberted free. S. white.

pfittacorum. H. leaves smoothest nerved rounded at the base, inflorescence most smooth, spadix erect bracteole, nectary lanced adhering. S. parrot.

birfuta. 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. 0. Stigma 2-cleft. Seeds solitary.

aspera. 3. A. stem shrubby erect, calyces reflected appressed to the spike.

lappacea. 4. A. stem shrubby diffuse, prostrate with interrupted spikes, the lateral florets on both sides with a hooked fascicle of bristles.

muricata. 2. A. stem shrubby expanding, leaves alternate, flowers spiked remote egg'd, calyces ragged. murex'd.

corymbosa. 7. A. leaves fourfold linear, panicle two-fork-corymbed.

dichotoma. 10. A. stem shrubby ifh, spikes opposite linear flat acute, cyme 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 hooked fascicle of bristles. S. burry.


argentea. 1. C. leaves lanced, stipules somewhat sickled, peduncles angled, spikes parched. silver.

B b 2 2. C.
FIVE MALES. ONE FEMALE. Celosia.

margarita-cea. 2. C. leaves egg'd, stipules sickled, peduncles angled, spikes parched.

crislata. 3. C. leaves oblong-egg'd, peduncles columnar subfluted, spikes oblong.

paniculata. 6. C. leaves egg-oblong, stem rising panicled; spikes alternate terminal remote.

coccinea. 5. C. leaves egg'd upright earlefs, stem furrow'd, spikes manyfold crested.

costrensis. 4. C. leaves lance-egg'd lined most pointed, stipules sickled, spikes crested.

trigyna. C. leaves egg-oblong, raceme loose, pistil three-cleft.

lanata. 7. C. leaves lanced downy obtuse, spikes crowded, flamen woolly.

nodiflora. 8. C. leaves wedge-form acutifh, spikes globular lateral.

Gnaphaloides. C. shrubby woolly, leaves opposite egg'd white underneath, head globular peduncled. S. Gnaphalium-like.


brachiatum. I. stem erect herbaceous cross-arm'd, leaves opposite polisht'd.

fanguinoleum lanata. I. shrub-growing, leaves opposite, spikes compound collected.

buccinator. I. stem subherbaceous erect, flowers lateral, leaves alternate.

javanica. I. stem herbaceous erect white downy, leaves alternate.

verticillatum. I. flowers verticil'd naked, stems procumbent.

suffruticosum. 2. I. flowers lateral solitary, stems shrubbyish. shrubbyish.

cymosum. 3. I. spikes cymed one-rank'd, stem diffuse.

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.

benghalensis. I. stem erect herbaceous, leaves alternate and opposite lanced pubescent.
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 flaggy, leaves broad-lanced petioled, heads orbicular, polygonum-like.

ficoideum. 8. I. stems creeping smooth, leaves broad-lanced petioled, heads orbicular pubescent. fig-like.

sejile. 9. I. stems creeping downy two-ways, leaves lanced subsejile, heads oblong smooth. sejile.

vermiculatum. 10. I. stems creeping smooth, leaves sub-columnar felthy, heads smooth terminal. worm.

alpinum. 12. I. stems diffuse, leaves egg'd, flowers collected bracted glossy. chickweed-leaved.


292. THESIUM. Cal. 1-leaved, on which the flaments are inserted. Seed 1, beneath.

Linophyllum. 1. T. panicle leafy, leaves linear. Flax-leaved. E.B.

alpinum. 2. T. raceme leaved, leaves linear. alpine.

Frisca. T. flowers subspiked one-ranked fringe-woolly, leaves awl'd.

spicatum. T. flowers spiked polished, leaves awl'd shortest remote.

capitatum. 3. T. flowers headed sejile terminal, leaves three-sided polished, bractes egg'd.

brieticum. T. flowers umbel'd, leaves linear decurrent. upright.

umbellatum. 6. T. flowers umbel'd, leaves oblong. umbel'd.

scarbum. 4. T. heads peduncled, leaves three-sided, most rugged on the edge and keel.

paniculatum. 7. T. the whole panicked.

amplexicaul. T. flowers subspiked one-rank'd fringe-woolly. stems-clasping.
FIVE MALES. ONE FEMALE. Thefium.

**euphorbides.** T. peduncles, three-flower’d terminal, leaves some-
what egg’d fleshy. S. spunge-like.

**colpoon.** T. leaves opposite petioled inverse-egg’d flat most in-
tire, 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-fided keel’d decurrent, stem ang-
gled, flowers axillary sessile. S. fragile.

**squarrosum.** T. leaves linear-awl’d recurvate-reflected, stem column-
nar, 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.

**canescens.** 2. R. subpubescent.

**tomentosa.** 3. R. downy.

1252. **PAEDERIA.** Contorted. Berry empty, fragile, two-seeded. Style 2-cleft.

**faetida.** 1. PAEDERIA. fetid.

1251. **CARISSA.** Contorted. Berries two, many-
seeded.

**Carandas.** 1. C. leaves elliptic obtuse.

**spinarum.** C. leaves egg’d acute. thorn.

294. **CERBERA.** Contorted. Drupe one-seeded.

**BM.** Ahovai. 1. C. leaves egg’d.

**BM.** Manghas. 2. C. leaves lanced: with transverse nerves.

**BM.** Thevetia. 3. C. leaves linear longest crowded.

296. GAR-

Thunbergia. G. unarmed, leaves egg'd acute at both ends, stipules obtuse, calyx funnel-form appended: with divisions cow'd petioled. S. Thunberg.  B.M.

florida. G. unarmed, leaves egg'd acute at both ends, stipules obtuse, calyx-divisions vertical, tube straight. S. flowering.

Muffenda. G. unarmed, leaves egg'd acute, stipules dagger'd, calyx-divisions awl'd compressed, tube incurvate shaggy. S.  E.M.
gummifera. G. unarmed, leaves oblong obtuse shaggy, stipules awl'd, divisions of the calyx egg'd shortest, tube straight. S. gum-bearing.

spina. G. thorns twofold opposite on the branches straight expanding, leaves inverse-egg'd, divisions of the calyx leafy, tube most short. S. thorny.  B.M.

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.  E.M.


cathartica. Allamanda. S.  cathartic.  B.M.


minor. 1. V. stems procumbent, leaves lance-egg'd, flowers peduncled. E.B.

major. 2. V. stems erect, leaves egg'd, flowers peduncled. E.B.

lutea. 3. V. stem twining, leaves oblong. greater. yellow.

rosea. 4. V. stem shrub-growing erect, flowers double sessile, leaves egg-oblong, petioles two-tooth'd at the base.  B.M.

pusilla. V. stem herbaceous, flowers double peduncled. S. feeble.

297. NERIUM.
200. FIVE MALES. ONE FEMALE. Nerium.


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. 

antidysenteric. 3. N. leaves egg'd pointed petioled. 

299. ECHITES. Contorted. Follicles 2, long, straight. Seeds pappus'd. Cor. funnel-form, throat naked.

bifora. 1. E. peduncles two-flower'd. 5-angularis. 2. E. peduncles racemed, leaves egg'd pointed.

B.M. suberosa. 3. E. peduncles racemed, leaves somewhat egg'd obtuse dagger'd. 

agglutinata. 8. E. peduncles racemed, leaves egg'd end-nick'd pointed. 
torulosa. 4. E. peduncles subracemed, leaves lanced pointed. 

umbellata. 5. E. peduncles umbel'd, leaves egg'd obtuse dagger'd, stem twining. 

corymbosa. 7. E. racemes corymbed, stamens eminent, leaves lance-egg'd. 

spicata. 9. E. spikes axillary short, stamens eminent, leaves somewhat egg'd. 

caudata. 10. E. corols funnel-form: with tops linear moft long. 

fcholaris. 11. E. leaves subvertical'd oblong, follicles thread-form longeft, umbels compound. 

annularis. E. stem twining, corols salver-form, with an elevated ring in the tube. 

spbilitica. E. leaves egg'd subpetioled smootheft ribbed, panicles two-fork'd, flowers spiked. 

succulenta. E. prickle twofold behind the leaves, leaves linear downy underneath, corols funnel-form. 

E.
PENTANDRIA. MONOGYNIA. Echites. 201.

bispinosa. E. prickles twofold behind the leaves, leaves lanced smooth, corols falver-form. S. two-thorn'd.


rubra. 1. P. leaves egg-oblong, petioles two-glanded. red.
alba. 2. P. leaves lanced revolute, peduncles tuberous above. white.

obtusa. 3. P. leaves lanced petioled obtuse. obtuse.
pudica. 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.


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, stems two-fork'd, calyces unequal most flexible. great-flowered.
cymosa. 6. T. leaves opposite, flowers cymed. cymed.
alternifolia. 3. T. leaves alternate, stems arborecent. alternate-leaved.
Amsonia. 4. T. leaves alternate, stems subherbaceous.

candelabrum. 1. C. umbels pendulous, flowers erect. candlestick:
biflora. 2. C. peduncles two-flower'd. two-flower'd.

*Fagittata.* C. umbels sessile, leaves arrow'd. *arrow'd.*

*Tenuisolia.* C. leaves linear-lanced. *thin-leaved.*


*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 subfolitary. *S.* dwarf.

1370. **IGNATIA.** *Cal.* 5-tooth'd. *Cor.* longest. *Drupe* 1-cell'd, many-seeded. *S.*

*amara.* **IGNATIA.** bitter.

1371. **TEK-**
PENTANDRIA. MONOGYNIA. Tektona. 203.

1371. TEKTONA. Stigma tooth'd: Drupe dry, spongy, within an inflated calyx, nucleus 3-cell'd. S.

grandis. Tektona.

1372. ESCALLONIA. Fruit 2-cell'd, many-seeded. Petals distant, tongued. Stigma headed. S.

myrtilloides. Escallonia.

1373. CORYNOCARPUS. Nut club'd. Nectaries five, petal-form, alternating with the petals, gland-bearing at the base. S.

lœvigata. Corynocarpus.

1374. AGROPHYLLUM. Caps. 3-cell'd. Nectary pyramidal, five-angled, the length of the corol. S.

nitidum. Argophyllum.

TWO FEMALES.

(Digynia.)

1253. PERGULARIA. Contorted. Nectary surrounding the Fructification with 5-arrow'd pikes. Cor. salver-form:

glabra. 1. P. leaves egg'd smooth.

tomentosa. 2. P. leaves hearted downy.
204. **FIVE MALES. TWO FEMALES.** PeHploca.

303. **PERIPLOCA.** Contorted. Nectary surrounding the Fructification, protruding 5 filaments. *Verginimum silky.*

- **græca.** 1. P. flowers internally shaggy terminal.
- **Secamone.** P. flowers internally shaggy panicled, leaves lance-elliptic.
- **indica.** 2. P. spikes imbricated.
- **africana.** 3. P. stem shaggy.
- **esculenta.** P. smooth, leaves linear-awl'd, racemes elongate simple, flowers naked within. *S.* esculent.

304. **CYNANCHUM.** Contorted. Nectary cylindrical, 5-tooth'd.

- **viminale.** 1. C. stem twining perennial leafless.
- **acutum.** 1. C. stem twining herbaceous, leaves heart-oblong smooth.
- **planifolium.** 6. C. stem twining, leaves hearted smooth downy underneath, peduncles subracemose. flat-leaved.
- **racemosum.** 7. C. stem twining, leaves hearted smooth acute, racemes simple.
- **maritimum.** 8. C. stem twining, leaves hearted shaggy downy underneath, peduncles aggregate. sea.
- **suberosum.** 2. C. stem twining corky beneath slit, leaves hearted pointed. corky.
- **birtum.** 3. C. stem twining shrubby corky beneath slit, leaves egg-hearted. shaggy.
- **monspeliacum.** 4. C. stem twining herbaceous, leaves kidney-shaped hearted acute. montpelier.
- **undulatum.** 9. C. stem twining, leaves lance-egg'd smooth, umbels globular. waved.
- **erecä.** 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. tender.
- **füiforme.** C. stem erect most simple, leaves linear, flowers vertical'd axillary. thread-form.
PENTANDRIA. DIGYNIA. Cynanchum. 205.

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. Dogv. cano.

androsemifö- 1. A. stem straightish herbaceous, leaves egg’d smooth on both sides, cymes terminal. androsénum-leaved.

cannabinum. 2. A. stem straightish herbaceous, leaves oblong, panicles terminal.

venetum. 3. A. stem straightish herbaceous, leaves egg-lanced.

frutescens. 4. A. stem erect shrub-growing, leaves lance-oval, corollas acute: villous in the throat. shrub-grow-
ing.

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. Néctaries 5, egg’d, concave, protruding a hornlet. Swallow-work.

* With leaves opposite flat.

undulata. 1. A. leaves sessile oblong lanced waved smooth, petals fringed.

crispa. A. leaves lanced curl’d shaggy, petals villous without.

pubescens. A. leaves egg’d vein’d naked, stem shrubby and peduncles villous.

gigantea. 2. A. leaves stem-clasping oblong-oval hairy at the base.

syriaca. 4. A. leaves oval downy underneath, stem simple, umbels nodding.

amaena. 6. A. leaves egg’d hairyish underneath, stem simple, umbels and néctaries erect.

5. A.
206. **FIVE MALES. TWO FEMALES.** Asclepias.

*purpurascens.* 5. A. leaves egg’d villous underneath, stem simple, umbels erect, nectaries refupine. *purpurascens.*

*B.M.* variegata. 3. A. leaves egg’d wrinkled naked, stem simple, umbels subelliptic: with downy pedicels. *variegata.*


*B.M.* nivea. 7. A. leaves egg’d smoothish, stem simple, umbels erect lateral solitary. *nivea.*

*incarnata.* 8. A. leaves lanced, stem divided above, umbels erect double. *incarnata.*


*laetifera.* 11. A. leaves egg’d, stem erect, umbels prolificous shorteft. *laetifera.*

*incarnata.* 7. A. leaves egg’d smoothifh, stem simple, umbels erect foliar lateral. *incarnata.*

*curassavica.* 3. leaves egg’d wrinkled naked, stem simple, umbels subelliptic: with downy pedicels. *curassavica.*

*B.M.* nigra. 13. A. leaves egg’d bearded at the base, stem somewhat twining upwards. *nigra.*

*volubilis.* A. arborefcent, twining, leaves opposite flat egg’d most intire pointed, umbels erect. *S. volubilis.*

*crispa.* A. leaves heart-lanced waved rugged opposite, umbel terminal. *S. crispa.*

*asthmatica.* A. shrubby twining faggy, leaves opposite petioled heart-egg’d smooth above most intire, umbels few-flower’d. *S. asthmatica.*

* * * With leaves lateral revolute.

*arborefcent.* A. leaves revolute egg’d, stem shrubby subvillous. *arborefcent.*


*filiformis.* A. stem erect, leaves thread-form, umbels lateral elongate-peduncled. *S. filiformis.*

*grandiflora.* A. leaves petioled oblong hairy, stem simple faggy erect, flowers axillary peduncled. *S. grandiflora.*

*carnosa.* A. leaves egg’d fleshy moft smooth. *S. carnosa.*

*filiformis.* A. stem erect, leaves thread-form, umbels lateral elongate-peduncled. *S. filiformis.*

*red.* 18. A.
PENTANDRIA. DIGYNIA. Asclepias. 207.

18. A. leaves alternate lanced, stem divaricated, hairy.

307. STAPELIA. Contorted. Nectary with a double starlet covering the fructification.

variegata. 1. S. toothlets of the branches expanding. variegated.

birsuta. 2. S. too hlets of the branches erect. shaggy.
mammillaris. S. toothlets of the branches obtuse dagger'd. mam-millary.
pilifera. S. stem columnar pap-tuberced: the paplets hair-bearing at the top. S. hair-bearing.

incarnata. S. quadrangular, teeth horizontal-lop'd callous. S. incarnate.

1208. LICONIA. Petals 5: inlaid in the pit of the Nectary at its base. Capsule seed-bearing two-cell'd.

alopecuroidea. LICONIA. alopecurus-like.

308. HERNIARIA. Cal. 5-parted. Cor. o. Stamens 5 barren. Caps. 1-seeded. Ruphina-wool

glabra. 1. H. smooth. Oot. ban. 529

birsuta. 2. H. shaggy. E.B.

fruticosa. 3. H. stems shrubby, flowers four-cleft. shrubby.

lenticulata. 4. H. shrubbyish, leaves egg-oblong hairy. E.B.

309. CHENOPODIUM. Cal. 5-leaved, 5-cori-ner'd. Cor. o. Seed 1, lenticular above.


Bonus Hen- 1. C. leaves triangular arrow'd most intire, spikes compound leaflets axillary. Oot. ban. 579.

urbicum. 2. C. leaves triangular somewhat tooth'd, racemes crowd-ed most upright approximated to the stem longest.

rubrum. 3. C. leaves heart-triangular obtuse tooth'd, racemes erect compound leafyish shorter than the stem.

murale. 4. C. leaves egg'd glossy tooth'd acute, racemes branchy naked.

5. C.
208. **FIVE MALES. TWO FEMALES.** Chenopodium.

ferotinum. 5. C. leaves delta-like finuous-tooth’d wrinkled smooth uniform, racemes terminal.

**F.B.** 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-finuous, racemes branchy leafyish.

**E.B.** hybridum. 8. C. leaves hearted angle-pointed, racemes branchy naked. mule.

Botrys. 9. C. leaves oblong finuous, racemes naked many-cleft. ambrosioi- 10. C. leaves lanced tooth’d, racemes leafy simple. am-des. 

multifidum. 11. C. leaves many-cleft: with linear segments, flowers axillary sessile. many-cleft. anthelmin- 12. C. leaves egg-oblong tooth’d. racemes leaflets. anticum helminitic.


* * With leaves intire.

**F.B.** Vulvaria. - 14. C. leaves most intire rhomb-like-egg’d, flowers con-glomerate axillary.

**E.B.** polyasper- 15. C. leaves most intire egg’d, stem decumbent, cymes two-fork’d leaflets axillary. many-seeded. Scoparia. 16. C. leaves linear-lanced flat most intire.


310. **BETA.** Cal. 5-leaved. Cor. o. Seed kidney-form, within the substance of the base of the calyx. Beet.

**E.B.** vulgaris. 2. B. flowers collected. common.

Cica. 3. B. leaves three-fold.

**E.B.** maritima. 1. B. flowers double. sea.

311. SA-
311. SALSOLA. Cal. 5-leaved. Cor. o. Caps. 1-seeded. Seed shell’d. Grapes.

Kali. 1. S. herbaceous decumbent, leaves awl’d thorny rugged, calyces edged axillary.

Tragus. 2. S. herbaceous erect, leaves awl’d thorny polished, calyces egg’d.

rosacea. 3. S. herbaceous leaves awl’d dagger’d, calyces flatten’d.

Soda. 6. S. herbaceous expanded, leaves unarm’d.

faticva. 7. S. herbaceous diffuse, leaves columnar smooth, flowers conglomerate. cultivated.

altissima. 10. S. herbaceous erect most branchy, leaves thread-form acutiflved peduncle-bearing at the base. highest.

falsa. 9. S. herbaceous erectish, leaves linear somewhat fleshy awn’d, calyces succulent diaphanous. salt.


polycenos. 12. S. somewhat woody diffuse, leaves oblong, calyces edged glomerate coloured.

prostrata. 3. S. shrub-growing, leaves linear hairy unarmed. prof-trate.

vermiculata. 4. S. shrub-growing, leaves egg’d acute fleshy. worm.

fruticosa. 11. S. shrubby erect, thread-form obtuse. shrubby.

muricata. 13. S. shrubby expanded, branchlets thaggy, calyces thorny. murex’d.

laniflora. S. leaves obtuse fleshy, anthers colour’d. S. wool-flowering.

arborecens. S. shrub-growing, leaves semicylindric: the inferior ones pair’d. S. arborecens.

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. Poisonous flowering Sph. cont.

aphylla. 1. A. leafless, joints end-nick’d.

foliosa. 2. A. leaves somewhat club’d.

tamariscifo-lia. 1. A. leaves awl’d, pericarps juiceless. tamarisk-leaved.

spinosiflora. A. shrub-growing, branches naked most thorny. S. most thorny.

D d 313. CRESSA,
210. **FIVE MALES. TWO FEMALES.** Cressa.

313. **CRESSA. Cal. 5-leaved. Cor. salver-form. Filaments growing on the tube. Caps. 2-valved, 1-seeded.**

cretica. 1. Cressa. cretan.

1254. **STERIS. Cal. 5-parted. Cor. wheel’d. Berry 1-cell’d, many-seeded.**

java. 1. Steris. java.

314. **GOMPHRENA. Cal. colour’d: the exterior 3-leaved: leaflets 2, converging keel’d. Petals rude villous. Nectary cylindric, 5-tooth’d. Style half-two-cleft. globosa.**

globosa. 1. G. stem erect, leaves egg-lanced, heads solitary, peduncles two-leaved. globular.

B.M. 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.

brasiliensis. 4. G. leaves egg-oblong, stem erect, heads peduncled globular leaflets. brazil.

serrata. 5. G. stem erect crok-arm’d, heads solitary terminal sessil, calyces 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. arboresecent hairy somewhat twining. S. arborescent.

315. **BOSEA. Cal. 5-leaved. Cor. 0. Berry 1-seeded.**

Yervamora. 1. 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. american.
pumila. 3. U. leaves equally faw'd: equal at the base. dwarf.

317. **NAMA.** Cal. 5-leaved. Cor. 5-parted.

Caps. 1-cell'd, 2-valved.

ezeylanica. 1. N. stem erect smooth, leaves linear, flowers racemed. 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. Caps. 2-cell'd, 2-valved.

spinosa. 1. Hydrolea. thorny.

319. **SCHREBERA.** Cal. 5-parted. Cor. funnel-form. Filaments in the throat of the corols with as many scales at the base.

schinoides 1. Schrebera. schinus-like.

320. **HEUCHERA.** Petals 5. Caps. 2-beak'd, 2-cell'd.

americana. 1. Heuchera. american.

447. **VELEZIA.** Cor. 5-petal'd, small. Cal. thread-form, 5-tooth'd. Caps. 1-cell'd. Seeds very numerous in a simple series.

rigida. 1. Velezia. rigid.

D d 2

321. SWER-
212. **FIVE MALES. TWO FEMALES.** Swertia.

321. **SWERTIA.** Cor. wheel’d. Nectar-bearing pores at the base of the divisions of the corol. **Caps.** 1-cell’d, 2-valved.

<table>
<thead>
<tr>
<th>E.B.</th>
<th>perennis.</th>
<th>1. S. corols five-cleft, radical leaves oval.</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>disformis.</td>
<td>2. S. corols five-cleft: the terminal one sex-cleft, peduncles longest leaves linear.</td>
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<tr>
<td></td>
<td>rotata.</td>
<td>3. S. corols five-cleft, leaves lance-linear.</td>
</tr>
<tr>
<td></td>
<td>corniculata.</td>
<td>4. S. corols four-cleft four-horn’d.</td>
</tr>
<tr>
<td></td>
<td>dichotoma.</td>
<td>5. S. corols four-cleft horn-lefs.</td>
</tr>
</tbody>
</table>

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<tr>
<th>B.M.</th>
<th>esclepiadea.</th>
<th>4. G. corols five-cleft bell’d opposite sessile, leaves stem-clasping.</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Pneumonan-</td>
<td>5. G. corols five-cleft bell’d opposite peduncled, leaves linear.</td>
</tr>
<tr>
<td></td>
<td>Saponaria.</td>
<td>6. G. corols five-cleft bell’d bellied verticil’d, leaves three-nerved.</td>
</tr>
<tr>
<td></td>
<td>villofa.</td>
<td>7. G. corols five-cleft bell’d bellied, leaves villous.</td>
</tr>
<tr>
<td></td>
<td>acaulis.</td>
<td>8. G. corols five-cleft bell’d exceeding the stem.</td>
</tr>
<tr>
<td></td>
<td>exaltata.</td>
<td>9. G. corols five-cleft crown’d notch’d, peduncle longest two-fork’d terminal.</td>
</tr>
<tr>
<td></td>
<td>decumbens.</td>
<td>G. corols five-cleft, bell’d radical leaves lanced, stem decumbent.</td>
</tr>
<tr>
<td></td>
<td>saxosa.</td>
<td>G. corols five-cleft bell’d, leaves spatuled.</td>
</tr>
<tr>
<td></td>
<td>eae.</td>
<td>10. G. corol five-cleft funnel-form exceeding the stem, radical leaves crowded larger.</td>
</tr>
</tbody>
</table>

322. **GENTIANA.** Cor. one-petal’d. **Caps.** 2-valved, one-cell’d. **Receptacles** 2, longitudinal. **Gentian.** **Solert. Afr.**

* Corols five-cleft nearly bell-form.

<table>
<thead>
<tr>
<th>lutea.</th>
<th>1. G. corols mostly five-cleft wheel’d verticil’d, calyxes spathy.</th>
</tr>
</thead>
<tbody>
<tr>
<td>purpurea.</td>
<td>2. G. corols mostly five-cleft bell’d verticil’d, calyxes lop’d.</td>
</tr>
<tr>
<td>punctata.</td>
<td>3. G. corols mostly five-cleft bell’d dotted, calyxes five-tooth’d.</td>
</tr>
<tr>
<td>H.B.</td>
<td>Pneumonan- 5. G. corols five-cleft bell’d opposite sessile, leaves stem-clasping.</td>
</tr>
<tr>
<td></td>
<td>Saponaria. 6. G. corols five-cleft bell’d bellied verticil’d, leaves three-nerved.</td>
</tr>
<tr>
<td></td>
<td>villosa. 7. G. corols five-cleft bell’d bellied, leaves villous.</td>
</tr>
<tr>
<td>B.M.</td>
<td>acaulis. 8. G. corols five-cleft bell’d exceeding the stem.</td>
</tr>
<tr>
<td></td>
<td>exaltata. 9. G. corols five-cleft crown’d notch’d, peduncle longest two-fork’d terminal.</td>
</tr>
<tr>
<td>B.M.</td>
<td>decumbens. G. corols five-cleft, bell’d radical leaves lanced, stem decumbent.</td>
</tr>
<tr>
<td></td>
<td>saxosa. G. corols five-cleft bell’d, leaves spatuled.</td>
</tr>
</tbody>
</table>

**B.M.**

* * * With corols five-cleft funnel-form.

<table>
<thead>
<tr>
<th>F.B.</th>
<th>verna. 10. G. corol five-cleft funnel-form exceeding the stem, radical leaves crowded larger.</th>
</tr>
</thead>
</table>
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. 0ad. dom. 17. snowy.

utrículosa. 15. G. corols five-cleft salver-form, calyces plait-keeled. bladder’d.
exacoides. 16. G. corols five-cleft salver-form, calyces membran-keeled, stem two-fork’d, leaves hearted. exa-cum-like.


maritima. 18. G. corols five-cleft funnel-form, stiles double, stem two-fork’d few-flower’d. sea.


verticillata. 20. G. corols five-cleft funnel-form, flowers verticil’d, stem simplest. verticil’d.

verticillata. 21. G. flowers five-cleft verticil’d eightfold. S. verticil’d.

fraceta. 22. G. corols five-cleft funnel-form, stem acute-angled, leaves egg’d stem-clasping. 0ad. dom. 13. five-leaved.

aphylla. 23. G. corols five-cleft salver-form, stem leafless. leafless.


scilloides. 25. G. stem one-flower’d prostrate branchy, leaves inverf-egg’d obtuse three-nerved, corols funnel-form five-cleft, bractes two-fold. S. squil-like.

* * * With corols not five-cleft.

campesiris. 26. G. corols four-cleft bearded in the throat. 0ad. 36. selfed. 316. E.B.

ciliata. 27. G. corols four-cleft fringed at the margin. fringed. B.M.

Cruciata. 28. G. corols four-cleft beardless, flower’d verticil’d sessile. 

sefalis. 29. G. corols four-cleft, flowers stemless, leaves egg’d. selfed.

filiformis. 30. G. corols four-cleft beardless, stem two-fork’d thread-form. 0ad. dom. 324. thread-form.

heteroclita. 31. G. flowers four-cleft irregular, stem cross-arm’d. heteroclite.
214. **FIVE MALES. TWO FEMALES.** Phyllis.

323. **PHYL LIS.** Stigmas hispid. Fructifications scatter'd. *L. ne Houtt. 1704.*

Nobla. 1. P. stipules toothed.

*UMBEL'D PLANTS.*


fortidum. 1. E. radical leaves lanced saw'd, floral leaves many-cleft, stem two-fork'd.

aquaticum. 2. E. leaves sworded saw-thorny: floral ones undivided.

planum. 3. E. radical leaves oval flat notch'd, head peduncled.

pusillus. 4. E. radical leaves oblong gash'd, stem two-fork'd, heads sessile.

tricuspida-tum. 7. E. radical leaves hearted, stem-leaves handed with reflexed ears, chaff three-piked.

E. B. maritimum. 5. E. radical leaves roundish plaited thorny, heads peduncled, chaff three-piked.

E. B. campestrœ. 8. E. radical leaves stem-clasping feather-lanced.

amethysti-num. 9. E. radical leaves three-cleft, somewhat feathered at the base.

E. M. alpinum. E. leaves finger'd jagg'd suborbicular, head oblong many-leaved, chaff briskly three-cleft.


P. B. vulgaris. 1. H. leaves targetted, umbel five-flower'd.

umbellata. 2. H. leaves targetted, umbel many-flower'd.

americana. 3. H. leaves kidney-form sublobed notch'd.

asiatica. 4. H. leaves kidney-form tooth-notch'd.

chinensis. 5. H. leaves linear, umbel many-flower'd.

villosa. H. downy, leaves hearted most intire downy or villous.

glabrata. H. smoothest, leaves inverse egg'd or lanced acute three-nerved smoothest.

virgata. H. smoothest, leaves half-columnar linear plough'd with a furrow with longer joints.

S. smoothest.

H. smoothest.
PENTANDRIA DIGYNIA. Hydrocotyle. 215.

linifolia. H. hoary, leaves linear-subpatted with shorter joints.

Solandra. H. downy, leaves wedge-form egg'd retuse seven-

tridentata. H. downy, leaves linear-wedge-form three-tooth'd at

erecta. H. leaves hearted notch'd, scapes few-flower'd the

length of the petioles. S. erect.


europea. 1. S. radical leaves simple, florets all sefifile.

canadenis. 2. S. radical leaves compound, leaflets egg'd.

marilandica. 3. S. male florets peduncled, hermaphrodite ones sefifile.

327. ASTRANTIA partial Involucres lanced, expanding equal, longer, colour'd. Many Flowers abortive. A. leaved.

major. 1. A. leaves five-lobed: lobes three-cleft.

minor. 2. A. leaves finger'd saw'd.

ciliaris. A. leaves lanced saw-fringed. S.

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. E. B.

rotundifolium. 1. B. universe involucres none, leaves leaf-pierced.

stellatum. 2. B. involucels coadjoin'd universal one three-leaved.

petraum. 3. B. involucels coadjoin'd, universal one five-leaved.
216. FIVE MALES. TWO FEMALES. Buplenrum.

angulosum. 4. B. involucels five-leaved orbicular: universal one three-leaved egg'd; leaves stem-clasping heart-lanced.

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.

5. B. involucels five-leaved: universal one three-leaved, central floret higher, branches divaricated. tooth-ach.

F.B. odontites. 7. B. involucels five-leaved acute: universal one three-leaved, central floret higher, branches divaricated.

semicompositum. 8. B. umbels compound and also simple. semicomposite.

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, involucres leaf acute.

F.B. tenuissimum. 11. B. umbels simple alternate, five-leaved mostly three-flower'd.

juncum. 12. B. stem crested panicked, leaves linear, involucres three-leaved, involucres five-leaved. rush.

** Shrub-growing.


fruticeens. B. shrub-growing, leaves linear, involucre universal and partial ones. shrub-growing.

disforme. 15. B. shrub-growing, vernal leaves decom pound flat gash'd; summer ones thread-form angled three-cleft.

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, immersed in the involucel.

F.B. spinosa. 1. E. leaflets awl-thorny most intire. thorny.

tenuifolia. 2. E. leaflets gash'd unarmed. slender-leaved.

341. HAZ-
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.

\textit{aegyptiaca.} H. leaves feather'd: leaflets feather-cleft. S. 
\textit{cordata.} H. leaves hearted. S.

330. TORDYLUM. Cor. radiated; all hermaphrodite. Fruit suborbicular, notch'd at the margin. Involucres long, undivided. Fruit consist of 6 rols.

\textit{Ityracum.} 1. T. involucres longer than the umbel. 
\textit{officinale.} 2. T. partial involucres the length of the flowers, leaflets egg'd jagg'd. 
\textit{peregrinum.} 8. T. seeds furrow'd wrinkled plaited, universal involucres one-leaved nearly three-cleft. 
\textit{apulum.} 3. T. umbels remote, leaves feather'd: feathers roundish jagg'd 
\textit{maximum.} 4. T. umbels crowded radiated, leaflets lanced gash'd. 
\textit{Anthricus.} 6. T. umbels crowded, leaflets egg-lanced feather-cleft. 
\textit{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.

\textit{grandiflora.} 1. C. each involucr five-leaved: one leaflet twice as large. 
\textit{daucoides.} 2. C. umbels three-cleft leaflets, umbellets three-fedded three-leaved. 
\textit{latifolia.} 7. C. universal umbel three-cleft: partial ones five-fedded, leaves feather'd faw'd. 
\textit{mauritanica.} 3. C. universal involucr one-leaved; partial ones three-leaved. 
218. **FIVE MALES. TWO FEMALES.** Caucaulis.

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.

333. **DAUCUS.** Corols subradiated, all hermaphrodite. Fruit hispid with hairs.

Carot.


mauritanicus. 2. D. seeds hispid, central floret barren fleshy, common receptacle hemispherical. mauritanian.

Vignaga. 3. D. seeds murex'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 murex'd. S. lucid.


majus. 1. A. inferior leaves feather'd lanced saw'd; superior many-cleft linear.

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.

Bulbocasta. 1. BUNIUM.

336. **CONIUM.**

B. o/sol. acim. 220.
336. CONIUM. Involucels halved, mostly three-leaved. Fruit subglobular, 5-striated, notch'd at both ends. Ἀναφορά.

maculatum. 1. C. seeds striated.
rigens. 4. C. seeds submurex'd, peduncles furrow'd, leaflets channel'd obtuse.
africanum. 2. C. seeds murex'd, petioles peduncles polish'd. african.
Royeni. 3. C. seeds radlate-thorny.

337. SELINUM. Fruit oval-oblong, flat-compress'd, striated in the middle. Involucre reflex. Petals hearted equal. 

sylvestre. 1. S. root spinele-form manifold (stiles erect, corolets unfolded. S.) wild.
palustre. 2. S. somewhat milky, root single. marsh. E.B.
Carvifolia. 3. S. stem furrow'd acute-angled, universal involucre evanescent, pistils of the fruit reflex, (stiles erect, petals converging. S.) Carui leaved.
Seguieri. S. partial leaves decussated, universal involucre none, (pistils most divaricated. S.) of Seguier.
Monnier. 4. S. umbel crowded, universal involucre reflex, seeds with five membranous ribs. of Monnier.

838. ATHAMANTA. Fruit egg-oblong, striated. Petals inflected, end-nick'd. 

Libanotis. 1. A. leaves twice-feather'd flat, umbels hemispherical, seeds shaggy. F.B.
Cervaria. 3. A. leaves feather'd decussated gash-angled, seeds naked.
sibirica. A. leaves feather'd gash-angled. fiberian.
condensata. 2. A. leaves mostly twice-feather'd : leaflets imbricated downwards, umbel lens-form, condensed.
Oreoselinum. 4. A. leaflets divaricated.
sicula. 5. A. inferior leaves glossy, primary umbels subseffile, feeds hairy. sicilian.
cretenis. 6. A. leaflets linear flat shaggy, petals two-parted, feeds oblong shaggy. cretan.
annua. 7. A. leaves many-parted; divisions linear fine column'd pointed. annual.

E e 2 8. A.
220. **FIVE MALES. TWO FEMALES. Athamanta.**

chinensis. 8. A. seeds membrane-striated, leaves superdecompound
polish'd many-cleft.

339. **PEUCEDANUM.** Fruit egg'd, striated on both sides, girt with a wing. *Invo-
lucres shortest.*

E.B. officinale. 1. P. leaves five times three-parted threadform linear.

alpestre. 2. P. leaflets linear branchy.

minus. 3. P. leaves feather'd: leaflets feather-cleft: divisions
linear opposite, stem most branchy expanded.

E.B. Silaus. 4. P. leaves feather-cleft: divisions opposite, universal
involucr e two-leaved.

alface. 5. P. leaflets alternately many-cleft.

nodosum. 340. **CRITHMUM.** Fruit oval, compressed. *Flo-
rets equal.* Samphire.

E.B. maritimum. 1. C. leaflets lanced fleshy.

pyrenaicum. 2. C. lateral leaflets twice three-cleft.

latifolium. C. leaves feather'd: leaflets fesile inverse egg'd lobed:
lobes tooth'd. S.

242. **CACHRYS.** Fruit somewhat egg'd, angled, cork-bark'd.

Libanotis. 1. C. leaves twice-feather'd: leaflets linear acute many-
cleft, seeds furrow'd polish'd.

ficula. 2. C. leaves twice feather'd: leaflets linear acute, seeds
furrow'd hispid.

odontalgica. C. radical leaves superdecompound down-hoary, stem
naked umbel-bearing, seeds with a corky bark
most polish'd. S.
343. FERULA. *Fruit* oval, flat-compress’d, with three striae on each side. *Pomelo. Gigant.*

communis. 1. F. leaflets linear longest simple.

glauca. 2. F. leaves superdecompound : leaflets lance-linear flat.

tingitana. 3. F. leaflets jagg’d: the jaglets three-tooth’d unequal glossy.


orientalis. 5. F. feathers of the leaves naked at the base, leaflets bristly.

meoides. 6. F. feathers of the leaves appendaged on both sides; leaflets bristly.


*Ferula.* 8. F. lucid canadian.

Assa fætida. 9. F. leaves alternately sinuous obtuse.

344. LASERPITIUM. *Fruit* oblong: with eight membranous angles. *Petals* inflected, end-nick’d, expanding. *Sewan work.*

latifolium. 1. L. leaflets hearted gash-faw’d. *Broad-leaved.*

trilobum. 2. L. leaflets three-lobed gash’d. *Three-lobed.*

gallicum. 3. L. leaflets wedge-form fork’d. *Gallic.*

angulifoli-um. 4. L. leaflets lanced most intire sessile. *Narrow-leaved.*

prutenicium. 5. L. leaflets lanced most intire: the outmost ones coad-join’d. *Prussian.*


Siler. 6. L. leaflets oval-lanced most intire petioled. *Barth. pim 162.*

Chironium. 7. L. leaflets obliquely hearted, petioles fagggy.

erulaceum. 8. L. leaflets linear.


Aciphylla. L. stem sheath’d, petioles of the leaves dilated, leaves finger’d linear elongated dagger’d. *Acus-leaved.*
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. Bow. *Semperv. Hogwood*

**E.B**
- *Sphondylium.* 1. H. leaflets feather-cleft polish’d, flowers uniform.
- *sibiricum.* 2. H. leaves feather’d: leaflets five-fold; the intermediate ones sessile, corolets uniform. *siberian.*

**Panaces.** 3. H. leaves feather’d: leaflets five-fold; the intermediate ones sessile, flowers radiated.

- *austriacum.* 4. H. leaves feather’d wrinkled on both sides rugged, flowers subradiated. *austrian.*

346. **LIGUSTICUM.** *Fruit* oblong, five-furrow’d on both sides. *Corols* equal. With *Petals* involute, intire. *Loose.*

**F.B.**
- *Levisticum.* 1. L. leaves manifold: leaflets gash’d above.


**E.B.**
- *cornubienie.* 5. L. leaves decompound gash’d: the radical ones three’d lanced most intire. *cornual.*
- *peregrinum.* 6. L. involucre of the primary umbel almost none; the base of the lateral ones membranous: with rays thinly branch’d. *Baeh. pin, 153.* *foreign.*
- *balsamicum.* 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.

**F.B.**
- *Archangelica.* 1. A. of the leaves the odd one lobed. *Archangel.*
- *sylvadris.* 2. A. leaflets equal egg-lanced saw’d. *wild.*

A.
PENTANDRIA. DIGYNIA. Angelicum. 223.

verticillaris. A. leaves most divaricated: leaflets egg’d faw’d, flem verticil’d with peduncles. verticil’d.
atropurpurea. 3. A. the outmost pair of the leaves coadjoin’d; the terminal leaf petioled. dark-purple.
lucida. 4. A. leaflets equal egg’d gah-faw’d. lucid.

248. SIUM. Fruit somewhat egg’d, striated. Involute many-leaved. Petals hearted.

latifolium. 1. S. leaves feather’d, umbel terminal. broad-leaved, Octoloma 24
angustifo-
lium. 9. S. leaves feather’d, umbels axillary peduncled, uni-
verfal involucre feather-cleft. narrow-leaved.
modisforum. 2. S. leaves feather’d, umbels axillary sessile. knot-
flower’d.
Sisarum. 3. S. leaves feather’d; floral ones three’d. Common Garden Skull
Nins. 4. S. leaves faw’d feather’d; branch-leaves three’d.
rigidius. 5. S. leaves feather’d; leaflets lanced very intire. slffer.
Falcaria. 6. S. leaflets linear decurrent conjoin’d.
graecum. 7. S. leaves all twice-feather’d. greek.
siculum. 8. S. radical leaves three’d; stem ones twice feather’d.
sicilian.
repens. S. stem creeping, leaflets roundish, tooth-angled. S. E. creeping.

349. SISON. Fruit egg’d, striated. Involute mostly 4-leaved. Turbs Mono Parsley

Amomum. 1. S. leaves feather’d, umbels erect.
segetum. 2. S. leaves feather’d, umbels bowing. corn.
canadense. 3. S. leaves three’d. canada.
Ammi. 4. S. leaves thrice feather’d. radical ones linear; stem
ones bristly; flipules longer.
inundatum. 5. S. creeping, umbels two-cleft. Octoloma. 89. flooded.
verticillum. 6. S. leaflets verticil’d capillary.
jalpum. S. radical leaves compound: leaflets somewhat verti-
icil-fascicled lanced, stem leaflets, branches
umbel-bearing two-fork’d. S. salt.

350. BUBON. Fruit egg’d, striated, villous. Macedonian Parsley

macedonicum. 1. B. leaflets rhomb-egg’d notch’d, umbels most nu-
merous. macedonian.

2. B.
224. **FIVE MALES. TWO FEMALES.** Bubon.

**B.M.**

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-bear

rigidius. 4. B. leaflets linear.


Gyminum. 1. Cuminum.

352. **OENANTHE.** Florets misshapen: in the disk sessile, barren. Fruit crown'd with calyx and pistil. *Walt. Dwarf-wort*

**E. B.** fistulosa. 1. OE. stalk bearing, stem-leaves feather'd thread-form pip'd.

**E. B.** crocata. 2. OE. leaves all many-cleft obtuse subequal. saffron.

prospera. 3. OE. peduncles of the umbels marginal longer branchy male.

globulosa. 4. OE. fruit globular.

**E. B.** pimpinelloides. 5. OE. radical leaflets wedg'd cleft; stem-ones entire linear longest simple. pimpinella-like.

353. **PHELLANDRIUM.** Florets of the disk less. Fruit egg'd, polish'd, crown'd with perianth and pistil.

**E. B.** 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. *Walt. Hemlock*

**E. B.** virfoa. 1. C. umbels opposite-leaved, petioles margin'd obtuse.

**Ost. dom.** 2.0%. poisonous.

bulbifera. 2. C. branches bulb-bearing.

maculata. 3. C. sawlets of the leaves dagger'd, petioles membranous two-lobed at top. spotted.

355. **AETHUSA.**
355. ÆTHUSA. Invóluces halved, 3-leaved, pendulous. *Fruit striated.* *Fossa Solóy.* 

Fynapium. 1. Æ. leaves uniform. 

Bunius. Æ. radical leaves feather’d, stem-ones many-part-brishly. *Vauh. pin. 120* 

Meum. Æ. leaves all many-part-brishly. 


Sativum. 1. C. fruit globular. *Gazélæ, Coriándrum cultivated.* 

testiculaturn. 2. C. fruit in twins. 

357. SCANDIX. Cor. radiated. *Fruit awl’d.* Petals end-nick’d. *Florets of the disk often male.* *Shipholes Mirror.* 

Odorata. 1. S. seeds furrow’d angled. 

Pečten. 2. S. seed with longest beak. 

Cerefolium. 3. S. seeds glossy egg-awl’d, umbels seffile laterally. 

Anthriçcus. 4. S. seeds egg’d hispid, corols uniform, stem polish’d. 

Australis. 5. S. seeds awl’d hispid, flowers radiated, stems polish’d. 

Nodosa. 6. S. seeds subcylindric hispid, stem hispid: joints swelled. 

Tricosperma. 9. S. seeds most hispagy with hairs twice as long as the feed. 

Infesta. S. exterior seed hispiday, umbellets most crowded hemispherical. 

Grandiflora. 7. S. seeds shorter than the villous peduncle. 

Procumbens. 8. S. seeds glossy egg-awl’d, leaves decompound. 

358. CHAF-


F.B. *filvire.* 1. C. stem polish'd striated, joints somewhat tumid.

bulbosum. 2. C. stem polish'd tumid at the joints, shaggy at the base.


birifutum. 5. C. stem equal: leaflets gash'd acute, fruit two-awn'd.

aromaticum. 6. C. stem equal, leaflets saw'd intire, fruit two-awn'd.

coloratum. 8. C. stem equal, leaves superdecompound, involucels colour'd.

arboriscens. 7. C. shrubby.


E.B. *Ostruthium.* 1. Imperatoria.

360. Seesili. Umbels globular. Involucre with one or two leaflets. Fruit egg'd, striated. *Herb of Marseille.*

Pimpinell- 1. S. stem declined, mature umbels nodding *Pimpinella-like.*

aides. montanum. 2. S. petioles branch-bearing membranous oblong intire, stem-leaves narrowest.

glaucum. 3. S. petioles branch-bearing membranous oblong intire: leaflets single and two'd channel'd polish'd longer than the petiole.

annuum. 4. S. petioles branchy membranous bellied end-nick'd.

Ammoides. 5. S. radical leaves with imbricated leaflets. *Ammi-like.*

tortuofum. 7. S. stem high rigid, leaflets linear fascicled. *Twisting.*

Turbith. 8. S. universal involucre one-leaved, seeds striated vil-lous styled.

9. S.
PENTANDRIA. DIGYNA. Sefeli. 227.

Hippomarathrum. 9. S. involucels conjoin-one-leaved. Horse-fennel.

Pyreanuum. 10. S. leaves double-feather'd; leaflets gafh'd acute, involucels briffly, longer than the umbellet. Pyrean.

Saxifragum. 11. S. stem thread-form divaricated, leaves thrice-three'd linear, umbels mostly fix-cleit. Saxifrage.

Elatum. 12. S. stem elongated with callous knots, leaves twice feather'd; feathers linear dilant. lofty.

361. THAPSIA. Fruit oblong, girt with a membrane. Decoaly nariet

Villosa. 1. T. leaflets too.h'd villous coadjoin'd at the base. villous.

Factida. 2. T. leaflets many-cleft narrow'd at the base. fetid.

Aplelepium. 3. T. leaves finger'd. leaflets twice-feather'd brifle-

garanica. 5. T. leaves feather'd: leaflets many-cleft: divisions

 trifoliata. 4. T. leaves three'd egg'd. three-leaved.


Lucida. 3. P. leaves simple hearted lobed lucid acutely notch'd. lucid.

Sativa. 1. P. leaves simply wing'd. Parsnip—cultivated. E.B.

Opoponax. 2. P: leaves feather'd, leaflets gafh'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.

Egyptiacum. 2. S. floral leaves two fold simple hearted most intire. egyptian.

Olosatrum. 3. S. stem-leaves three'd petioled saw'd. — — — — E.B.

Aureum. 4. S. leaves feather'd saw'd: the posterior ones three d:

all the florets sefile. golden.

Integerrimiterum. 5. S. stem-leaves thrice-three'd most intire. most intire.

F f 2 364. AN-
228. FIVE MALES. TWO FEMALES. Anthemum.

364. ANTHEMUM. Fruit somewhat egg'd, compressed, striated. Petals involute inture. *Fennel*


E.B. Carni, 1. Carum.


E.B. magna. P. leaflets all lobed: with the third lobe unequal. great.

E.B. glauca. 2. P. leaves superdecompounded, stem angled most branchy. *Sea-green.*

E.B. 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.

E.B. dioica. P. dwarf, umbels most numerous compound and simple. two-houfe.


E.B. graveolens. 2. A. stem-leaves wedge-form. strong-scented.

368. ÆGOPODIUM. Fruit egg-oblong, striated.


1375. MELO-
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.


*lucida*. C. peduncles compound. S. 

*fætidiflora*. 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. 

*thyrflora*. C. leaves finger’d: leaflets sessile wedge-form lop’d three-tooth’d, flowers racemed. S. *thyrflora*. 

*spicata*. C. leaves finger’d: leaflets petioled spatuled: the ligule three or five-handed sharply saw’d; flowers spiked. S. spiked.
FIVE MALES. THREE FEMALES. Rhus.

THREE FEMALES.

(Trigynia.)

369. RHUS. Cal. 5-parted. Petals 5. Berry one-seeded. Sumach. \( \text{Sumac} \).


D. B. 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.

D. B. glabrum. 4. R. leaves feather'd saw'd, lanced, naked on both sides.

D. B. vernix. 5 R. leaves feather'd most intire annual opake, petiole intire equal. Suckedaneous.

succeedaneum. R. leaves feather'd most intire perennial lucid: petiole intire equal.

Coppallinum. 6. R. leaves feather'd most intire, petiole membrana-

cous jointed. Copal.

Metopium. 7. R. leaves feather'd lanced most intire roundish smooth root-

radicans. 8. R. leaves three'd: leaflets petioled egg'd naked most intire, stem rooting.

Toxiconden-

dron. 9. R. leaves three'd: leaflets petioled angled pubescent, stem rooting.

Caminia. 10. R. leaves three'd: leaflets petioled egg'd downy under-

neath, most remotely saw'd.

Coppbe. 12. R. leaves three'd: leaflets egg'd pointed saw'd, peduncles downy.

tomentosum. 11. R. leaves three'd: leaflets subpetioled with angled rhombs, downy underneath.

angustifo-


lavigatum. 16. R. leaves three'd: leaflets sessile lanced polished.

Cotinus. 15. R. leaves simple somewhat-egg'd. Urn-shaped.

villosum. R. stem pubescent, leaves three'd: leaflets sessile egg'd intire pubescent-villous. S. villous.

PENTANDRIA. TRIGYNIA. Rhus. 231.

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. tendril-leaved.

tridentatum. R. climbing, leaves three’d: leaflets hoary saw’d: the law-teeth from three to five. S. three-tooth’d.

digitatum. R. climbing, leaves feather’d: leaflets oblong most intire most smooth. finger’d.


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. B. B. D.

prunifolium. 3. V. leaves roundish notch-saw’d smooth. plum-leaved. D. B.

dentatum. 4. V. leaves egg’d tooth-saw’d plaited. tooth’d. F. B.

Lantana. 5. V. leaves hearted saw’d vein’d downy underneath. - E. B.

acerifolium. 6. V. leaves lobed, petioles polishe’d. maple-leaved. D. B.

Opulus. 7. V. leaves lobed, petioles glandular. - E. B.

Lentago. 8. V. leaves egg’d slightly saw’d pointed smooth, petioles margin’d waved.

Cassioideæ. 9. V. leaves egg’d notch’d smooth, petioles keel’d gland-lefs. Caffeine-like.

Tinsets. V. leaves elliptic smooth most intire, branches and cymes columnar flaggy. S. Tinus-like.

scandens. V. shrubby, climbing, leaves oblong saw’d, cymes terminal: with rags terminating in a very large flower. climbing.

capersis. C. leaves petioled saw’d egg’d obtuse, branchlets four sides.

1. C.
232. **FIVE MALES. THREE FEMALES.** Caffine.

**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-fided, leaves petioled egg-oblong retuse notch'd. S. cape.

372. **SAMBUCUS.** Cal. 5-parted. Cor. 5-cleft Berry 3-seeded. **Elder.**

**E.B.** **Ebulus.** 1. S. cymes three-parted, stipules leafy, stem her-baceous. Elder.

**canadensis.** 2. S. cymes five-parted, leaves almost five-feather'd, stem shrub-growing. canada.

**E.B.** **nigra.** 3. S. cymes five-parted, stem tree-like. 3-fed. 3-cell'd. black.

**racemosa.** 5. S. racemes compound egg'd, stem tree-like. branch.

373. **SPATHELIA.** Cal. 5-leaved. Petals 5. Caps: 3-seeded, 3-cell'd. Seed solitary.

**simplex.** Spathelia. simple.


**E.B.** **pinnata.** 1. S. leaves feather'd.

**trifolia.** 2. S. leaves three-fold.

375. **TAMARIX.** Cal. 5-parted. Petals 5. Caps. 3-cell'd 3-valyed. Seed pappous.

**E.B.** **gallica.** 1. T. flowers five-male. french.

**germanica.** 2. T. flowers ten-male. 50. 104. german.
Xylophylla. 233.

1399. **XYLORPHYLLA.** *Cal.* 5-parted, colour'd.  
*Cor.* 0. Stigma torn.  
*Caps.* 3-cell'd.  
Seeds double.  

**longifolia.**  
X. leaves linear, branches four-corner'd.  

**latifolia.**  
X. leaves lanced, branches columnar.  

376. **TURNERA.** *Cal.* 5-cleft, funnel-form, the exterior one 2-leaved.  
Petals 5, inserted on the Calyx.  
Stigma many-cleft.  
*Caps.* 1-cell'd, 3-valved.  

**ulmifolia.**  
1. T. flowers sessile petiol'd, leaves two-glanded at the base.  

**Pumila.**  
2. T. flowers sessile petiol'd, leaves glandless.  

**sidoides.**  
3. T. peduncles axillary two-bristled, leaves egg-wedged sawed.  

**cistoides.**  
4. T. peduncles axillary leafless, leaves sawed at top.  

377. **TELEPHIUM.** *Cal.* 5-leaved.  
Petals 5, inserted on the receptacle.  
*Caps.* 1-cell'd, 3-valved.  
*Orpine.*  

**imperati.**  
1. T. leaves alternate.  

**oppositifolia.**  
2. T. leaves opposite.  

378. **CORRIGIOLA.** *Cal.* 5-leaved.  
Petals 5.  
Seed 1, three-fided.  

**litoralis.**  
1. Corrigiola.  

379. **PHARNACEUM.** *Cal.* 5-leaved.  
*Cor.* 0.  
*Caps.* 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.

- P. peduncles one flower'd lateral, leaves lanced pubescent.
- P. common peduncles longest, leaves linear. hoary.
- P. racemes two-parted winding, leaves sublinear pubescent.
- P. racemes two-parted terminal, leaves inverse-heart-ed.
- P. umbels unequal, leaves linear, oppositions remote. S.
- P. flowers glomerated, stem winding, leaves linear.
- P. shrubbyish, leaves linear four-faced imbricated.
- P. downy, peduncles umbel'd, leaves egg'd columnarish obtuse interwoven with wool. S. small-leaved.
- P. peduncles axillary elongated two-fork'd, leaves verticil'd linear. S. two-fork'd.
- P. common peduncles most long, leaves linear exstipuled. S. white.
- P. common peduncles most long, leaves linear, stipules hairy. S. hoary.
- P. peduncles one flower'd, leaves egg'd. thyme-leaved.

380. **ALSINE.** Cal. 5-leaved. Petals 5, equal.

- Cal. 1-cell'd, 3-valved. Chickweed.
- A. petals two-parted, leaves egg-hearted. middle.
- A. petals intire, leaves somewhat awl'd. corn.
- A. petals intire short, leaves briskly, calyxes awl'd. dagger'd.

381. **DRYPIS.** Cal. 5-tooth'd. Petals 5. Caps. circumscribed, 1-seeded.

- Drypis. thorny.
PENTANDRIA. TRIGYNIA. Basella. 235.

382. BASELLA. Cal. 0. Cor. 7-cleft: with the two opposite divisions broader, at last berried. Seed $\text{Malabar. Midgehods}$

rubra. 1. B. leaves flat, peduncles simple.
alba. 2. B. leaves waved egg’d, peduncles simple longer than the leaf.
lucida. 3. B. somewhat hearted, peduncles crowded branchy.

383. SAROTHRA. Cal. 5-parted. Cor. 5-petal’d. Caps. 1-cell’d, 3-valved, colour’d. $\text{Value Gentian.}$

Gentianoides.1. SAROTHRA. Gentian-like.

1379. SEMECARPUS. Cor. 5-petal’d. Drupe celletted, 1-fedded. $\text{S. Indh.} 1888.$

Anacardium. SEMECARPUS.

FOUR FEMALES.
(Tetragynia.)


palustris. PARNASSIA. marsh. E.B.

385. EVOLVULUS. Cal. 5-leaved. Cor. 5-cleft, wheel’d. Caps. 3-cell’d. Seeds solitary.

nummularius. 1. E. leaves roundish, stem creeping, flowers subsestile. money.

G g 2 2. E.
236. FIVE MALES. FOUR FEMALES. Evolvulus.

gangeticus. 2. E. leaves hearted obtuse dagger’d villous petioled, stem diffuse, peduncles one-flower’d. gangetic.
alpinoides. 3. E. leaves inverse-hearted obtuse hairy petioled, stem diffuse, peduncles three-flower’d. alpine-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. Involucrè to the umbellet. Cal. 5-tooth’d, above. Cor. five-petal’d. Berry 5-seeded. Berry boreing angélica

arborea. 1. A. arborescent, leaves simple, rays of the universal umbel one-glanded.

spinosa. 2. A. arborescent, 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.

E. B. Armeria. 1. S. scape simple headed, leaves linear.

B. B Limonium. 2. S. scape paniced columnar, leaves polish’d nervelefs, dagger’d underneath. Odol. den. 215.

incana. 14. S. scape paniced, leaves lanced three-nerv’d, somewhat waved dagger’d at top, branches of the panicle three-sided. hoary.

cordata. 3. S. scape paniced, leaves spatuled retuse. hearted.

5. S.
PENTANDRIA. PENTAGYNIA. Statice. 237.

5. Scape panicle'd prostrate, branches barren retroflex naked, leaves wedge-form awnleas. notted.

4. S. scape panicle'd columnar jointed, leaves rugged.

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.


flexnosa. 9. S. scape branchy, corymbes terminal, leaves nerved.

purpurata. 16. S. stem somewhat leafy, leaves egg-wedged three-nerved dagger'd. purple.

minuta. 15. S. stem shrubby-thin leafy, leaves crowded wedged rugged awnleas, scapes few-flower'd. minute.

suffruticosa. 10. S. stem shrubby: naked branchy upwards, heads sefile, leaves lanced sheathing. shrubby-thin.

monopetala. 11. S. stem shrubby leafy, flowers solitary, leaves lanced sheathing.

aurea. 13. S. stem shrubby leafy branchy, leaves awl'd. golden.

ferulacea. 12. S. stem shrubby branchy, branchlets imbricated, chaff terminated with a hair at top. ferulaceous.

pruinosa. 17. S. stem winding branchy branny. frothy.


mucronata. S. stem curled, leaves elliptic intire, spikes one-rank'd. S. dagger'd.

lobata. S. leaves sinuou', stem columnar leafleas. S. lobed.

limsolia. S. stem shrubby prostrate, flowers panicle'd one-rank'd, linear.


Flax.

* With leaves alternate.

usitatissimum.1. L. calyxes and capsules dagger'd, petals notch'd, leaves lanced alternate, stem subsolitary. most useful.

perenne. 2. L. calyxes and capsules obtuse, leaves alternate lanced most intire.

viscosum. 3. L. leaves lanced hairy five-nerved.

4. L.
FIVE MALES. FIVE FEMALES. Linum.

hirfutum. 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.

E.B. tenuisfolium. 6. L. calyxes pointed, leaves scatter'd linear-bristled rugged backwards. slender-leaved.
galicum. 15. L. calyxes awl'd acute, leaves linear-lanced alternate, peduncles of the panicle two-flower'd, flowers subsessile. french.

alpinum. 22. L. calyxes rounded obtuse, leaves linear acutish, stems declined. alpine.

B.M. 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 radical ones egg'd. virginian.

B.M. flavum. 9. L. calyxes fine-faw-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.
suffruticosu. 11. L. leaves linear acute rugged, stems shrubbyish. shrubbyish.

campanula- 13. L. the base of the leaves pointed glanded on both sides. bell'd.

* * With leaves opposite.

B.M. africanum. 16. L. leaves opposite linear lanced, flowers terminal peduncled. african.
nodiflorum. 17. L. leaves flower-bearing opposite lanced, flowers alternate sessile, calyxes the length of the leaves. knot-flowered.

E.B. catharticu. 18. L. leaves opposite egg-lanced, stem two-fork'd, co-rolls acute. cathartic.


B.M. quadrifoli- 20. L. leaves four-fold. four-leaved.
tum.

verticilla- 21. L. leaves verticil'd. verticil'd.
tum.

390. AL-
390. ALDROVANDA. Cal. 5-cleft. Petals 5. Caps. 5-valved, 1-cell’d, 10-seeded.

vesiculosa. 1. Aldrovanda. bladder’d.


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.
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. Caps. approximated, roundish, 1-seeded.

pharnacoi- Gisekia. pharnaceum-like.
des.


* Shrub-growing.
coccinea. 1. C. leaves egg’d flat gristle-fringed conjoin-sheathing at the bafe. 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.
240. FIVE MALES. FIVE FEMALES. Craflula.

pruinosa. 20. C. leaves awl’d frost-rugged, flowers corymbed, stem shrubby.

sabra. 11. C. leaves opposite expanding conjoin’d rugged fringed, stem rugged backwards.

persicifolia. 2. C. leaves lance-awl’d sessile conjoin’d channel’d: convex underneath.

fruticosa. 20. C. leaves opposite awl’d acute expanding subrecurvate, stem shrubby.

tetragona. 4. C. leaves awl’d subincurved obscurely four-corner’d expanding, stem erec’t arborescent rooting, four-corner’d.

obvillata. 21. C. leaves opposite sublanced knife’d approximated.

cultrata. 9. C. leaves opposite shrubby egg’d most intire somewhat knife’d oblique: the pairs conjoin’d remote.

dichotoma. C. leaves conjoin’d column-awl’d intire remote, stem shrubby erec’t branchy, corymbe compound. S. two-fork’d.

pinnata. C. leaves feather’d, stem arborescent. S. feather’d.

* * * Herbaceous.

spinosa. C. stem most simple, leaves dagger’d, flowers sessile lateral.

centauroides. 5. C. stem herbaceous cross-arm’d, leaves hearted, sessile peduncles one-flower’d. thorny.

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.

rigida. 7. C. stem herbaceous erec’t 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.

ciliata. 10. C. leaves opposite oval flattish distinct fringed, corymbes terminal.


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.

18. C.
rubens. 18. C. leaves spindle-form subdepress'd, cyme four-cleft leafy, flowers sessile, flaments reflex. blushing.
verticillata. C. stem herbaceous, leaves expanding, flowers verticil'd awn'd.
nudicaulis. 13. C. leaves awl'd radical, stem naked. naked-stem.
orbicularis. 15. C. flaments 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 retroflect'd. S. retro-flect'd.
deltoida. 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-isf, 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.
ficata. C. leaves conjoin'd linear-awl'd, scape naked-fith, spike verticil'd: the inferior 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. Craflula.

C. leaves leaf-pierced egg’d fringed expanded, corymbe compound attenuated. S. thyrse-flow-
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 bran-

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 verti-
cil’d spike. S.

B. M. Cotyledonis. C. leaves conjoin’d oblong downy fringed, stem nakedish, flowers corymbed aggregate. S. Co-
tyledon.

tecta. C. leaves conjoin’d egg’d obtuse ash-foldletted, scape

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 arborescent. feather’d.

1255. MAHERNIA. Cal. 5-tooth’d. Petals 5. Nectaries 5, inverse-heartedly, 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, in-

E.R. 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. Commersonia. 243.


chirata. Commersonia. hedge-hog'd.

MANY FEMALES.

(Polygynia.)

394. MYOSURUS. Cal. 5-leaved, growing to the base. Nectaries 5, awl'd, petal-form. Seeds numerous. Mouse-hair.

minimus. 1. MYOSURUS. minuteft. E.B.

Ord. dom. 406.
CLASS VI.

SIX MALES.

(Hexandria.)

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ONE FEMALE.

(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, three side-wing'd, colour'd.

398 Tradescantia.  Cor. 3-petal'd. Cal. 3-leaved, beneath, Filaments bearded.

440 Bursera.  Cor. 3-petal'd. Cal. 3-leaved, beneath. Caps. berried, one -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.
HEXANDRIA. 245.

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.  Capp. 6-cell'd.

* Portlandia fix-male.  Some Lythra.

Fumaria Cucullaria.

** Flowers spathed or glumed.

400 Haemanthus.  Cor. above, 6-parted.  Involucr 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.  Neéairy bell'd, on the outside of the stamens.
404 Pancratium.  Cor. above, 6-petal'd.  Neéairy 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.  Neéairy 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.  Neéairy two membra-

*** Flowers naked.

432 Alstroemeria.  Cor. above, 6-petal'd with 2 tubular claws.
433 Hemerocallis.  Cor. beneath, 6-parted.  Stamens declining.

431 Agave.
246. SIX MALES

431 Agave. Cor. above, 6-cleft, with an erect border, shorter than the Filaments.

430 Aloe. Cor. beneath, 6-cleft. Filaments inferted 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-feded.

427 Hyacinthus. Cor. beneath, 6-cleft. Three honey-bearing pores at the top of the Germ.

421 Asphodelus. Cor. beneath, 6-parted: with 6 stamen-bearing valvelets of the nectary.

422 Anthericum. Cor. beneath, 6-petal’d, flat.

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 Dracaena. Cor. beneath, 6-petal’d. Berry 4-feded.

424 Asparagus. Cor. beneath, 6-petal’d. Berry 6-feded.

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 with three pikes.

1381 Massonia. Cor. 6-petal’d, inferted 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-feded.

434 Acorus. Spadix many-flower’d. Caps. 3-cell’d.


437 Juncus.
HEXANDRIA. 247.

437 Juncus. Cal. 6-leaved. Caps. 1-cell’d.
446 Peplis. Cal. 12-cleft. Caps. 2-cell’d.

TWO FEMALES.
(Digynia.)

449 Atraphaxis. Cal. 2-leaved. Cor. 2-petal’d. Seed 1, compress’d.
448 Oryza. Glume 1-flower’d. Cor. with 2 Glumes. Seed 1, oblong.


THREE FEMALES.
(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-fid’d.

452 Scheuchzeria. Cal. 6-leaved. Cor. o. Pericarp 1-seeded.

* Flowers above.

450 Flagellaria. Cal. 6-leaved. Cor. o. Pericarp 1-seeded.

FOUR
SIX MALES.

FOUR FEMALES.

(Tetragynia.)

459 Petiveria. Cal. 4-leaved. Cor. 0. Seed 1, with hook'd awns.

MANY FEMALES.

(Polygynia.)

460 Alisma. Cal. 3-leaved. Cor. 3-petal'd. Pericarps numerous.
HEXANDRIA. MONOGYNIA. Bromelia. 249.

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. Pine-apple

Ananas. 1. B. leaves fringe-thorn'd dagger'd, spike tufted. Pine-apple
Pinguin. 2. B. leaves fringe-thorn'd dagger'd, raceme terminal. Pine-apple
Karatas. 3. B. leaves erect, flowers stemless sessile aggregate. Pine-apple
lingulata. 4. B. leaves saw-thorn'd stemless, spikes alternate. tongued. Pine-apple
rudicaulis. 5. B. radical leaves tooth-thorn'd; stem leaves most intire. naked-stem.
humilis. 6. B. nearly stemless, flowers aggregate sessile, axils sub-tolerating. humble.
Acanga. 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.

ulriculata. 1. T. culm panicled. bladder'd.
ferrata. 2. T. leaves saw-thorn'd above, spike tufted. saw'd.
lingulata. 3. T. leaves lance-tongued most intire bellied at the base. tongued.
tenuifolia. 4. T. leaves thread-form most intire, spike simple looie. slender-leaved.
paniculata. 5. T. radical leaves most short, stem nakedish, branches subdivided ascending. panicled.
polytachya. 6. T. culm with spikes intricated lateral. many-spiked.
monotachya. 7. T. leaves linear channel'd reclining, column simple imbricated, spike simple. one-spiked.
recurvata. 8. T. leaves awl'd rugged reclining, culms one-flower'd, glume two-flower'd. recurvate.
usneaides. 9. T. thread-form branchy wriathed rugged. usnea-like.
250. SIX MALES. ONE FEMALE. Burmannia.


difflca. 1. B. spike double. two-rank'd.
biflora. 2. B. flower double. two-flower'd.


B.M. virginica. 1. T. erect polish'd, flowers collected. virginian.
malabarica. 2. T. erect polish'd, peduncles solitary longest. malabar.
nervosa. 3. T. scape one-flower'd. nerved.
geculata. 3. T. procumbent-shaggy. knotted.
axillaris. T. stem branchy, flowers sessile lateral. axillary.

B.M. cristata. 4. T. creeping polish'd, spathes two-leaved imbricated. crested.
papilionacea. 5. T. creeping polish'd, spathes three-leaved imbricated papilionaceus.
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. Caps. 3-cell'd.

eavata. 1. P. leaves egg'd, flowers headed. egg'd.
vaginalis. 2. P. leaves hearted, raceme bowing. sheath'd.

B.M cardata. 2. P. leaves hearted, flowers spiked. hearted.
bojata. 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. Blood-flower

B.M. coccineus. 1. H. leaves tongue-form flat polish'd. scarlet.
ciliaris. 2. H. leaves tongue-form fringed. fringed.

3. H.
HEXANDRIA. MONOGYNIA. Haemanthus. 251.

puniceus. 3. H. leaves lance-egg’d waved erect. red. B.M

carinatus. 4. H. leaves linear keel’d. keeled.


nivalis. 1. GALANTHUS.snowy. E.B.

402. LEUCOJUM. Cor. bell-form, 6-parted, thicken’d at the tops, Stigma simple. Vernal Snowdrop. E.B.

vernun. 1. L. spathe one-flower’d, styles club’d. vernal.
aestivun. A. L. spathe many-flower’d, style club’d. summer.

autumnale. 2. L. spathe many-flower’d, style thread-form. autumnal.

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.

aliacea. T. leaves nearly threadform. S. garlick. B.M.

cepaceaa. T. leaves lance-linear. S. onion.


poeticus. 1. N. spathe one-flower’d, nectary wheel’d shortest parch’d fine-notch’d. poetic. E.B.

Pseudo-Nar-2. N. spathe one-flower’d, nectary bell’d erect curl’d cissus, equalling the petals egg’d. falsenarcissus E.B.

bicolor. 3. N. spathe one-flower’d, nectary bell’d, margin expanded curl’d equalling the petals. two-colour’d.

minor. 4. N. spathe one-flower’d, nectary inverse-conic erect curl’d fix-cleft, equalling the lanced petals. leaf.

moschatus. 5. N. spathe one-flower’d, nectary cylindric lop’d something scollop’d, equalling the oblong petals. musk.

I i 2
252. SIX MALES. ONE FEMALE. Narcissus.

B.M. triandrus. 9. N. spathe mostly one flower'd, nectary bell'd notch'd shorter by half than the petals, stamens three-fold. 

orientalis. N. spathe mostly two-flower'd, nectary bell'd three-cleft end-nick'd three times shorter than the petals.

B.M. trilobus. 10. N. spathe mostly many-flower'd, nectary bell'd some-what three-cleft most entire shorter by half than the petals.

B.M. odorus. 8. N. spathe mostly two-flower'd, nectary bell'd six-cleft polish'd shorter by half than the petals, leaves semicylindric.

B.M. calathinus. 6. N. spathe many-flower'd, nectary bell'd subequaling the petals, leaves flat.

B.M. Tazetta. 7. N. spathe many-flower'd, nectary bell'd plaited lop'd three times shorter than the petals, leaves flat.

B.M. Bulbocodium. 13. N. spathe one-flower'd, nectary top-shape larger than the petals, fructification declined.

B.M. Jonquilla. 11. N. spathe many-flower'd, nectary bell'd short, leaves awl'd.


zeylanicum. 1. P. spathe one-flower'd, petals reflected. 

caribaeum. 3. P. spathe many-flower'd, leaves lanced. 

B.M. mexicanum. 2. P. spathe two-flower'd. 

maritimum. 4. P. spathe many-flower'd, petals flat, leaves tongued.

illyricum. 6. P. spathe many-flower'd, leaves sword-form, stamens longer than the nectary.

B.M. amboinense. 7. P. spathe many-flower'd, leaves egg'd nerved petiololed.

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. A. spathol. 1. C. leaves egg-lanced pointed sessile flat. broad-leaved. 
afiaticum. 2. C. leaves keel’d. 
zeylanicum. 4. C. leaves tooth-rugged, scape somewhat compresse’d. 
americum. 3. C. tops of the corols hook’d inwards. americum. 
africanum. 4. C. leaves subblance’d flat, corols obtuse. africanum. 
tenuilum. 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. speciosum. 
lineare. C. leaves linear, corols bell’d: with two divisions narrower. S. linear. 
angulifolium. C. leaves linear obtuse, corols cylindric: the alternate divisions interglanded. S. narrow-leaved.

406. AMARYLLIS. Cor. 6-petal’d, bell’d. Stigma 3-cleft. A. spathol. 

capensis. 1. A. spathe one-flower’d remote, corol equal, stamens and pistil straight. cape. 
lutea. 2. A. spathe one-flower’d, corol equal, stamens upright. yellow. 
Atamusco. 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. 
sarmentiflora. 7. A. spathe many-flower’d, corols revolute, fructification erect. guernsey. 
longiseta. 9. A. spathe many-flower’d, corols bell’d equal, fructification declined, scape compresse’d the length of the umbel. long-leaved. 10. A.
254. **SIX MALES. ONE FEMALE.** Amaryllis.

**BM. orientalis.** 10. A. spathe many-flower’d, corols unequal, leaves tongue-form. oriental.

**B.M. guttata.** 11. A. spathe many-flower’d, leaves fringed. spotted.

**B.M. stictica.** A. spathe many-flower’d, corols equal bell’d, leaves two-rank’d incumbent-expanding. S. two-rank’d.

**B.M. ciliaris.** A. spathe many-flower’d, corol six-parted reflexed, leaves fringed. S. fringed.

407. **BULBOCODIUM.** Cor. funnel-form, six-petal’d: with claws narrow stamen-bearing. Caps. above. Hoof-bulb

**B.M. vernum.** 1. B. leaves lanced. vernal.

408. **APHYLLANTHES.** Cor. six-petal’d. Filaments inserted in the throat of the corol. Caps. above. Glumes of the calyx one-valved imbricated.

**B.M. monspeliensis.** 1. Aphyllanthæs. montpelier.


* Stem-leaves flat. Umbel capsule-bearing.

**E.B. Ampeloprasium.** 1. A. stem flat-leaved umbel-bearing, umbel globular, stamens three-pikèd, petals rugged on the keel.

**Porrum.** 2. A. stem flat-leaved umbel-bearing, stamens three-pikèd, root coated. Leek.

**lineare.** 3. A. stem flat-leaved umbel-bearing, umbel globular, stamens three-pikèd longer by half than the corol.

**rotundum.** 4. A. stem flat-leaved umbel-bearing, stamens three-pikèd, umbel subglobular, flowers lateral nodding. round.

**B.M. Victorialis.** 5. A. stem flat-leaved umbel-bearing, umbel rounded, stamens lanced longer than the corol, leaves elliptic.

6. A.
subbisutum. 6. A. stem flat-leaved umbel-bearing, the inferior leaves shaggy, flamens awl’d. m. shaggyish.

magicum. 7. A. stem flat-leaved umbel-bearing, branchlet bulb-bearing, flamens simple. magic.

obliquum. 8. A. stem flat-leaved umbel-bearing, flamens thread-form three-times longer than the flower, leaves oblique.

ramosum. 9. A. stem flat-leaved umbel-bearing, flamens 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, flamens shortest simple. rose.

tartaricum. A. stem flat-leaved umbel-bearing, leaves semicylindrical, flamens simple, umbel flat. S. tartaricum.

** Stem-leaves flat. Umbel bulb-bearing.

favitum. 10. A. stem flat-leaved bulb-bearing, bulb compound, flamens three-piked. cultivated. favitum.

Scorodopra-n. 11. A. stem flat-leaved bulb-bearing, leaves notchletted: sum. with sheaths two-edged, flamens three-piked. vescumbola.


carinatum. 13. A. stem flat-leaved bulb-bearing, flamens awl’d keel’d.

*** Stem-leaves columnar. Umbels capsule-bearing.


parviflorum. 15. A. stem columnarish-leaved umbelliferous, umbel globular, flamens simple longer than the corol, spathe awl’d. small-flower’d.

descendens. 16. A. stem columnarish-leaved umbelliferous, exterior peduncles shorter, flamens three-piked. descend- ing.

moschatum. 17. A. stem columnar-leaved umbelliferous, umbel level-top’d mostly six-flower’d, petals acute, flamens simple, leaves bristly. musk.

flavum. 19. A. stem columnar-leaved umbelliferous, flowers pendulous, petals egg’d, flamens longer than the corol. yellow.

18. A.
2§6. SIX MALES. ONE FEMALE. Allium.

18. A. stem columnarish-leaved umbelliferous, flowers pendulous lop'd, flaments simple equalling the corol. *Brechtimum.*

20. A. stem columnarish-leaved umbelliferous, peduncles capillary spread out, flaments awl'd, (spathae most long. *Paniculatum.*


* * * Leaves radical. Scape naked.


26. A. scape naked columnar, leaves linear, umbel hemispherical, petals erect, spathe the dagger'd two-cleft. *Nigrum.*

27. A. scape naked two-edged, leaves linear channelletted somewhat angular beneath, umbel level-top'd. *Angulorum.*


31. A. scape naked below bellied longer than the columnar leaves. *Cepa.*

32. A. scape naked subcylindric, leaves lanced sessile, umbel level-top'd. *Moly.*

33. A. scape naked equalling the columnar bellied leaves. *Schoenoprasum.*

34. A. scape naked equalling the columnar awl-thread-form leaves. *Festuolium.*
HEXANDRIA. MONOGYNIA. Allium. 257.

fibricium. A. scape naked, columnar, leaves semicylindric, flaments awl’d.

tenuissimum. 36. A. scape naked columnar empty, leaves awl’d thread-

form heads loose few-flower’d. most slender.

chamae-

Moly. 37. A. scape naked almost none, capsules bowing, leaves

flat fringed.

410. LILIUM. Cor. 6 petal’d, bell’d: longi-

gitudinal nectar-bearing. Cap’s. valve-

lets 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 re-
volute.

pompony.

chalcedoni-

cum. 4. L. leaves scatter’d lanced, flowers reflected, corols re-
volute.

chalcedonian.

superbum. 5. L. leaves scatter’d lanced, flowers reflected branch-

pyramidal, corols revolute.

superb.

Martagon. 6. L. leaves vertical’d, flowers reflected, corols revolute.

canadense. 7. L. leaves vertical’d, flowers reflected, corols revolute-

dell’d.

canada.

camachat-

cence. 9. L. leaves vertical’d, flower erect, corol bell’d, petals

sefle.

camachatse.

philadelphia-

cum. 8. L. leaves vertical’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 a

Stam. of the length of the corol.

Brown Imperio’s, Fritillary.

imperialis. 1. F. raceme tufted naked below, leaves most intire.

imperial.

regia. 2. F. raceme tufted naked below, leaves notch’d. royal.

dwarf.

nana. F. raceme tufted, leaves two-faced stem-clasping

lanced.

dwarf.

persica. 3. F. raceme nakedish, leaves oblique.

persian.

4. F.
258. SIX MALES. ONE FEMALE. Fritillaria.

B.M. pyrenaica. 4. F. lowest leaves opposite, with some flowers scatter'd amongst the leaves. pyrenean.
E.B. 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.
B.M. perfoliata. 2. V. leaves stem-pierced. leaf-pierced.
B.M. sepulifolia. 3. V. leaves sessile. sessile-leaved.

413. GLORIOSA. Cor. 6-petal'd, waved, reflected. Style oblique. Superb Lily.

superba. 1. G. leaves tendril-bearing. superb.
B.M. 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.

B.M. Dens canis 1. ERYTHRONIUM. Dog tooth.

415. TULIPA. Cor. 6-petal'd bell'd. Style none. Tulip.

B.M. E.B. colch. 375. sibvestris. 1. T. flower somewhat nodding, leaves lanced. wood.
B.M. gesneriana. 2. T. flower erect, leaves egg-lanced. gesnerian.
B.M. breyniana. 3. T. stem many-flower'd many-leaved, leaves linear. breynian.
biflora. T. flowers erect flatish, 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.

B.M. major. 1. A. leaves lanced. greater.
B.M. minor. 2. A. leaves awl'd. less.
417. HYPOXIS. Cor. 6-parted, permanent, above.  
Caps. narrower at the base. Cal. glume 2-valved.

erecta. 1. H. hairy, capsules egg’d.  
decumbens. 2. H. hairy, capsules club’d.  
fascicularis. 3. H. tubes of the flower most long.  
Seffilis. 4. H. hairy stemless, the fructification subradical.  
plicata. H. scape one-flower’d three-sided, leaves lanced plaited villous. S. plaited.
fiellata. H. scape one-flower’d, leaves linear striated, petals spotted. S. flar.
minuta. H. leaves three-sided fleshy smooth, scape two-cleft. S. minute.
acquatica. H. leaves linear, scapes umbel-bearing or one-flower’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-flower’d. S. egg’d.
villofa. H. leaves linear-sword-form villous, with stigma simple 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 middle. Alternate Filaments dilated at the base.  
* All the fiamens awk’d.

uniﬂorum. O. scape two-leaved, peduncle one-flower’d. one-flower’d.
minimum. 2. O. scape angled two-leaved, peduncles umbel’d branchy.

259' fpiralis. 5. fspiral. vifeofa. A. flowers erect, leaves linear villous-viscous. S. vificous.

K k 2.
260. SIX MALES. ONE FEMALE. Ornithogalum.

E.B. pyrenaicum. 3. O. raceme most long, filaments lanced, peduncles flower-bearing expanding equal; the fruit-bearing ones approximated to the scape. pyrenean.

B.M. latifolium. 6. O. raceme most long, leaves lance-sword-form.

comosum. 5. O. raceme most short, bracts lanced of the length of the flowers, petals obtuse, filaments awl'd.

B.M. cappense. 11. O. leaves heart-egg'd.

From the Supplement.

crenulatum. O. leaves oblong obtuse fringed, flowers racemed erect. S. notched.

tufe. O. leaves thread-form fleshy, scape few-flower'd. S. rock.

ciliatum. O. leaves egg'd acute fringed, flowers racemed. S. fringed.

B.M. altissimum. O. leaves oblong obtuse smooth, raceme four feet. S. tall.

pilosum. O. leaves linear-sword-form fringed, flowers racemed, peduncles incurved. S. hairy.

circaatum. 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.
HEXANDRIA. MONOGYNIA. Scilla. 261.

419. SCILLA. Cor. 6-petal’d, expanding, deciduous. Filaments thread-form. Squill.

Scilla maritima. 1. S. flower-naked, bractes refracted. sea. B.M.

Lilio-hyacinth. 2. S. root scaly. Lily-hyacinth.

thus.

italica. 3. S. raceme conic oblong. italian. B.M.

peruviana. 4. S. corymb crowded conic. peruvian. B.M.

amœna. 5. S. flowers lateral alternate somewhat nodding, scape angled.

thus.


lusitanica. 9. S. raceme oblong conic, petals lined. Brach. 46. portugal.

hyacinthoides. 10. S. raceme most long, with flowers shorter than the colour’d peduncle.

des. hyacinth-like.

autumnalis. 7. S. leaves thread-form linear, flowers corymbed, peduncles naked ascending of the length of the flowers.

autumnal.

unifolia. 8. S. leaf columnarish subspired on the side. one-leaved.

tetraphylla. S. stemless, flowers fascicled, leaves fourfold egg-lanced. S. four-leaved.

hyacinthoides. S. raceme most long, flowers subverticill’d, peduncles expanding. S. hyacinth-like.

420. CYANELLA. Cor. 6-petal’d; with the 3 inferior petals hanging forward.

capensis. 1. C. leaves waved, branches most expanding. cape. B.M.

lutea. C. leaves sword-form, branches erect. S. yellow. B.M.

alba. C. leaves linear-thread-form. S. white.

421. ASPHODELUS. Cor. 6-parted. Nectary from the six valvelets covering the Germ. Asphodel.

luteus. 1. A. stem leafy, leaves three-sided striated. yellow. B.M.

ramosus. 3. A. stem naked, leaves sword-form keel’d polish’d. branchy. B.M.

fistulosus. 2. A. stem naked, leaves upright awl’d striated somewhat piped.
262. SIX MALES. ONE FEMALE. Anthericum.

422. ANthericum. Cor. 6-petal’d, expanding. Caps. egg’d. Spider work.

* Phalangium with leaves channel’d. Filaments oftner smooth.

F.B. serotinum. 1. A. leaves flatish, scape one-flower’d. late.
græcum. 2. A. leaves flat, scape simple, flowers corymbed, filaments woolly. greek.

B.M. planifolium. 3. A. leaves flat, scape and filaments woolly. flat-leaved.

revolutum. 4. A. leaves flat, scape branchy, corols flat, piltil straight. branchy.

B.M. Liliago. 5. A. leaves flat, scape most simple, corols flat, piltil declined.

B.M. Liliastrum. 6. A. leaves flat, scape very simple, corols bell’d, flaments declined.

spirale. A. scape spiral.

** Bulbine with leaves fleshy. Filaments bearded.

B.M. frutescens. 7. A. leaves fleshy columnar, stem shrubby. shrubby.

B.M. alooides. 8. A. leaves fleshy awl’d flatish. awl-like.

Asphodelo- 9. A. leaves fleshy awl’d semicolumnar upright. Aspho-

ides. del-like.

B.M. annuum. 10. A. leaves fleshy awl’d columnarish, scape fabra-

cemed. annual.

bispidum. 11. A. leaves fleshy compres’d hispid.

*** Narthecium with leaves sword-form.


From the Supplement.

flexifolium. A. leaves awl’d smooth, winding stem branchy. leaf-

bent.

murex. 7. A. leaves fleshy compres’d murex’d striated. S.

murex’d.

latifolium. A. leaves fleshy broad-sword-form smooth, stem most long, stem simple. S. broad-leaved.

caudafelis. A. leaves channel-sword-form, scape simple, raceme oblong. S. cat tail.

triquetrum. A. leaves thread-form three-fided shorter than the simple scape, raceme egg’d. S. three-fided.

falcatum. A. leaves fleshy sword-form sickled smooth, stem branchy racemed. S. sickled.

contorted. A. leaves flat sword-form, stem branchy, flowers most remote. contorted.

scabrum. A. leaves three-sided fine-faw'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 Leont's Leof.


424. ASPARAGUS. Cor. 6-parted, erect: the 3 interiour petals reflected at top. Berry 3-cell'd, 2-seeded.

officinalis. 1. A. stem herbaceous columnar erect, leaves bristly, stipules in pairs. officinal.

deciduous. 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.

aethiopicus. 11. A. prickles solitary reversed, branches angled, leaves linear. ethiopian.

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.

*aephyllus.* 8. A. stem unarmed angled shrubby, leaves awl’d striated unequal diverging. leafless.

*capensis.* 9. A. thorns fourfold, branches aggregate columnar, leaves bristly. cape.

*farmento- 10. A. leaves solitary linear-lanced, stem winding, prickles recurved. farmentous.

*verticillata.* 11. A. leaves verticill’d.

1256. **DRACAENA.** *Cor.* 6-parted, erect. Filaments somewhat thicker in the middle. *Berry* 3-cell’d, 1-seeded.

*Draco.* 1. D. arboreiforous, leaves somewhat fleshy thorny at top.


*L.M.* *terminalis.* 3. D. herbaceous stem-growing leaves lanced. terminal.

*B.M.* *ensifolia.* 4. D. herbaceous somewhat stem-growing, leaves sword-form.

*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.* erec’t.

*striata.* D. shrub-becoming stem-growing erect, leaves lanced obliquely sickled striated, stem winding. *S.* striated.

*volubilis.* D. herbaceous twining, leaves lanced. *S.* twining.


*E.B.* *majalis.* 1. C. scape naked.

*Solomon’s *
** Solomon's Seal T.  with Corols funnel form.  

verticillata.  2. C. leaves verticil'd.  Oct. Iam. 86.  

Polygonatum. 3. C. alternate leaves stem-clasping, stem two-edged, peduncles axillary mostly one-flowered. Solomon's Seal.  

multiflora.  4. C. alternate leaves stem-clasping, stem columnar, peduncles axillary many-flowered.  many-flower'd.  

*** Smilaces T.  with Corols wheel'd.  

racemosa.  5. C. leaves sessile, raceme terminal compound.  racemed.  

fetidata.  6. C. leaves stem-clasping very numerous.  

trifolia.  7. C. leaves stem-clasping three-fold, raceme terminal simple.  three-leaved.  

bifolia.  8. C. leaves hearted, flowers four-male.  two-leaved.  

Japanica.  C. scape naked two-edged, flowers racemed one-rank'd, leaves linear three times longer than the scape.  Jap.  

426. POLIANTHES.  Cor. funnel-form, incurved, equal.  Filaments inserted in the throat of the corol.  Germ in the bottom of the corol.  Tuberose.  

tuberosa.  1. Polianthes.  

Tuberose.  B.M.  

427. HYACINTHUS.  Cor. bell'd:  3 honey-bearing pomes at the Germ.  Hyacinth.  

nonscriptus.  1. H. corols bell'd six-parted revolute at top.  not described.  

cernuus.  2. H. corols bell'd six-parted, raceme bowing.  

serotinus.  3. H. the exterior petals subdistant, the interior ones coadjoined.  

tiridis.  4. H. the exterior divisions of the corols awl'd longest.  

amethystinus.  5. H. corols bell'd half-six-cleft: cylindric at the base.  

orientalis.  6. H. corols funnel-form half-six-cleft: bellied at the base.  

comosus.  H. corols funnel-form corymbed cleft, scape shorter than the leaves.  

romanus.  H. corols bell'd half-six-cleft racemed, stamens membranous.  Euch. pin. 42.  

B.M.  B.M.  B.M.  B.M.  B.M.  B.M.  B.M.
266. SIX MALES. ONE FEMALE. Hyacinthus.

BM. Muscari. 7. H. corols egg’d: all equal.
B.M. monstrosum. 8. H. corols somewhat egg’d.
B.M. comosus. 9. H. corols angular-cylindric: the highest barren pedicel’d longer.
B.M. botryoides. 10. H. corols globular uniform, leaves channel-cylindric upright.
B. B.M. racemosus. 11. H. corols egg’d: the highest sessile, leaves loose, racemose.
B.M. lanatus. 13. H. corols woolly, stem branchy.
Convallaria-oides. H. corols pendulous egg’d, scape capillary. S. Convallaria-like.
Revolutus. H. corols fix-parted bell’d revolute, leaves oblong waved. S.

428. ALETRIS. Cor. funnel-form wrinkled. Stamina inserted on the base of the divisions. Caps. 3-cell’d. S. (Hon. Uto).

B.M. capensis. 2. A. stemless, leaves lanced waved, spike egg’d, flowers nodding.
B.M. hyacinthoides. 3. A. stemless, leaves lanced fleshly, flowers doubled.
B.M. fragrans. 4. A. stem-growing, leaves lanced loose, fragrant.
B.M. Uvaria. A. stemless, leaves sword-form channel’d keel’d.

M. 429. YUCCA. Cor. bell-expanding. Style none. Caps. 3-cell’d. Adam & Modo.

B.M. Gloriosa. 1. Y. leaves most intire.
B.M. aloifolia. 2. Y. leaves fine-notch’d upright. aloe-leaved.
B.M. draconis. 3. Y. leaves notch’d nodding. dragon’s.
B.M. filamentosa. 4. Y. leaves saw-thread-bearing. filimented.

430. ALOE. Cor. erect, with mouth expanded, bottom nectar-bearing. Filaments inserted on the receptacle.

B.M. 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 interiour segments converging. spiral.
retusa. 5. A. flowers spiked three-sided two-lip'd: the inferior lip revolute. retuse.
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-claiping tooth'd. S. spiked.
linguaformis. 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. American Agos:
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.
fetida. 4. A. leaves most intire. B.M.

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. italiam. B.M.
Ligta. 2. A. stem ascending. (erect, leaves spatule-oblung, peduncles of the umbel longer than the involucre, corol two-lip'd. S.) B.M.
Salitilla. 3. A. stem twining. (leaves petioled lanced pointed, umbel branchy, peduncles longer than the involucre, bractes looie. S.) B.M.
pulchella. A. stem erect, corols reflex-expanding all acute, leaves sessile, pedicels shorter than the involucre. S. pretty.
L 1 2
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 cylindric. Stamens declining.

B.M. fiava. 1. H. corols yellow.
B.M. fulva. 2. H. corols tawny.

434. ACORUS. Spadix cylindric, cover'd with florets. Cor. 6-petal'd, naked. Style none. Caps. 3-cell'd, Sweet-Bush.

E.B. Calamus. 1. Acorus.


* With culms naked.

E.B. acutus. 1. I. culm nakedish columnar dagger'd, panicle terminal involucre two-leaved, thorny. acute.
B.B. 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. inflected.

5. I.
HEXANDRIA. MONOGYNIA. Iuncus. 269.

filiformis. 5. I. culm naked thread-form nodding, panicle lateral.

trifidus. 6. I. culm naked with three terminal leaves and flowers.

squarrosus. 7. I. culm naked, leaves bristly, heads glomerated leafless.

punctatus. I. culm naked columnar, leaf columnar jointed dagger'd, panicle glomerated. S. dotted.

* * With culms leafy.

nodatus. 9. I. leaves knot-jointed, petals dagger'd.

articulatus. 8. I. leaves knot-jointed, petals obtuse.

bulbosus. 10. I. leaves linear channel'd, capsules obtuse.

bufonius. 11. I. culm two-fork'd, leaves angled, flowers solitary sessile.

figius. 12. I. leaves bristly rather depressed, peduncles double terminal, glumes solitary mostly one-flower'd.

Jaquini. 19. I. leaf awl'd, head mostly four-flower'd terminal.

biglumis. 13. I. leaf awl'd, glume two-flower'd terminal.


pilosus. 15. I. leaves flat hairy, corymbe branchy.

niveus. 16. I. leaves flat rather hairy, corymbe shorter than the leaf, flowers fascicled.

campestris. 17. I. leaves flat rather hairy, spikes sessile and peduncled.

spicatus. 18. I. leaves flat, spike racemed nodding.

Tenageia. I. annual, culm branchy panicled, flowers solitary sessile, petals egg-oblong, capsule subglobo-

satus. I. leaves sword-form flat saw'd hoary underneath, sheaths of the panicle awl'd leaf-pierced.

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.

Richardia. 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.


A. flowers solitary, leaves wedge-form-lanced. nippled.

Sapota. 1. 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-tulip. S.

441. PRINOS. Cal. 6-cleft. Cor. 1-petal'd, wheel'd. Berry 6-seeded. Winola bery

D.B. verticillatus. 1. P. leaves longitudinally saw'd. verticill'd.

D.B. glaber. 2. P. leaves saw'd at top. smooth.

440. BURSERA. Cal. 3-leaved. Cor. 3-petal'd. Caps. fleshy, 3-valved, 1-seeded.


442. BERBERIS. Cal. 6-leaved. Petals 6: with two glands at the claws. Style 0. Berry two-seeded. Berbery

E.B. vulgaris. 1. B. peduncles racem'd. common.

Cretica. 2. B. peduncles one-flower'd. cretan.

Illicifolia. B. leaves inverse-egg'd, saw-thorn'd, pedicels elongate cymed, thorns finger-thorny. Ilex-leaved.

1302. CA-

Purple. **CAPURA.**


Scurruia. 1. L. peduncles one-flower'd collected.

Uniflorus. 6. L. racemes most simple. *one-flower'd.*

Europeus. 7. L. racemes simple terminal, flowers two-house. *European.*

Americanus. 2. L. racemes rather branchy equal, leaves egg'd. *American.*

Occidentalis. 3. L. racemes simple, flowers irregular. *Occidental.*


Stelis. 5. L. racemes three-fork'd, peduncles three-corner'd, flowers equal.

Pentandrus. 8. L. racemes simple, flowers five-cleft, alternate leaves pectioled. *Five-male.*


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.*


Campanula. **Canarina.** *Bell.*

445. **FRAN-**
272. SIX MALES. ONE FEMALE. Frankenia.


**F.B. laevis.** 1. F. leaves linear crowded fringed at the base. polished.
**Birrata.** 2. F. stems shaggy, flowers fascicled terminal. shaggy.
**E.B. pulverulenta.** 3. F. leaves inverte-egg'd retuse dusty underneath. dusty.


**E.B. Portula.** 1. P. flowers petallefs. *cordatum.* 64.
**Tetrandra.** 2. P. flowers four-male one-petal'd. four-male.

1381. MASSONIA. Nectary beneath. *Cor.* 6-petal'd, inserted on the Nectary. S.

**B.M. latifolia.** M. leaves orbicular smooth. S. broad-leav'd.
**B.M. angustifolia.** M. leaves lance-oblung smooth. S. narrow-leav'd.
**Echinata.** M. leaves egg'd murex'd hairy. S. hedge-bog'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-oblung. S. villous.
**Ciliaris.** G. leaves linear spiral fringed, the divisions of the border egg-oblung. S. fringed.
**E.M. spiralis.** G. leaves linear spiral smooth, the divisions of the border oblung. S. spiral.
**Lanceolata.** G. leaves lanced flat, the divisions of the border lanced. S.

1382. PHOR-
1382. PHORMIUM. Cor. 6-petal'd: the three exterious petals shorter. S.

P. leaves very numerous, inflorescence branchy. S. tenax.


Aloides. P. leaves twofold radical brown-spotted above, scape racemed simple, flowers nodding cylindric-funnel-form. S. Aloe-like.

1383. EHRHARTA. Cal. glume 2-valved, abbreviated, one-flower'd. Cor. Glume double: each two-valved: the exterious one compress'd, scymitar-form, transversely wrinkled, gash'd at the base. Stamens fix, three on each side the pistil, in a parallel line. Stigma simple, compress'd, four-tufted, torn at top. S.

Mnemateia. 1. Ehrharta.

1384. DUROIA. Cal. above, cylindric, lop'd. Border 6-parted. Filaments none. Pome hispid. S.

Eriopila. 1. Duroia.
SIX MALES. TWO FEMALES. Oryza.

TWO FEMALES.
(Digynia.)


Sativar. I. Oryza. cultivated.


Spinosa. 1. A. branches thorny. thorny.
Undulata. 2. A. unarm'd. waved.


Repens. Falkia. creeping.


Procera. Gahnia. tall.

THREE FEMALES.
(Trigynia.)


* Hermaphrodites: the valvelets mark'd with a grainlet.

Patientia. 1. R. flowers hermaphrodite: the valvelets most intire: one grain-bearing, leaves egg-lanced. Patience.

2. R.
HEXANDRIA. TRIGYNIA. Rumex. 275.

fanguineus. 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 cylin-dric.


crispus. 3. R. flowers hermaphrodite: valvelets intire grain-bearing, leaves lanced waved acute. curl'd.


aegyptius. 7. R. flowers hermaphrodite: valvelets three-cleft bristle'd: one grain-bearing. egyptian.
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 obtusifolius fine-notch'd. obtuse-leaved.
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, inferior leaves heart-lanced, superior ones lanced. S.

* * Hermaphrodites: with valvelets destitute of a grainlet or naked.

bucephalo- 13. R. flowers hermaphrodite: valves naked, pedicels flat reflected thicken'd. ox-head.


Lunaria. 15. R. flowers hermaphrodite: valves polished, stem ar-borescent, leaves hearted.

vescarius. 16. R. flowers hermaphrodite doubled: valvelets all most large membraneous reflected, leaves undivided. bladder.

M m 2 19. R.
SIX MALES. THREE FEMALES. Rumex.

19. R. flowers hermaphrodite distinct: the wing of one valvelet most large membranous netted, leaves gnaw'd.

tingitanus. 17. R. flowers hermaphrodite distinct: valvelets hearted obtuse most intire, leaves halbert-egg'd. tangeriers.

fcutatus. 18. R. flowers hermaphrodite, leaves heart-halberted, stem columnar.


Arisolius. R. stem polish'd somewhat shrub-growing leaves heart-halberted fine-faw'd acute, valvelets naked most intire. S. shrub-leaved.

* * * With flowers declined.

alpinus. 22. R. flowers hermaphrodite barren and female: valvelets most intire naked, leaves hearted obtuse wrinkled.

spinofus. 22. R. flowers androgynous: feminine calyxes one-leaved: the exterior valvelets reflex-hook'd. thorny.

tuberofus. 23. R. flowers two-house, leaves lance-arrow'd, branches expanding.


E.B. Acetofella. 25. R. flowers two-house, leaves lance-halberted.

aculeata. 27. R. flowers two-house, leaves lanced petioled, fruit reflected: valves fringed.

luxurians. 28. R. flowers - - - leaves heart-halberted, stem decumbent angled.

bipinnatus. R. flowers two-house, leaves twice-feather'd. S. twice-feather'd.


450. FLAGELLARIA. Cal. 6-parted. Cor. 0. Berry 1-feeded. ship.

indica. Flagellararia.

452. SCHEUCH-
452. SCHEUCHZERIA. Cal. 6-parted. Cor. o. Styles o. Caps. 3, inflated, 1-seeded.  

Scheuchzeria palustris. 1. SCHEUCHZERIA. E.B.  


Triglochin palustris. 1. T. capsules three-cell'd sublinear.  

Triglochin bulbosum. T. roots bulbous cover'd with fibres.  

Triglochin maritimum. 2. T. capsules fix-cell'd egg'd. E.B.  

454. MELANTHIUM. Cor. 6-petal'd. Filaments from the elongated claws of the corol.  

Melanthium virginicum. 1. M. petals claw'd.  

Melanthium fibricum. 2. M. petals seseile.  

Melanthium capense. 3. M. petals dotted, leaves cowl'd.  


Melanthium ciliatum. M. petals claw'd, leaves cowl'd at the base sword-form gristle-fringed, flowers spiked. S. fringed.  

Melanthium triquetrum. M. leaves three-sided smooth longer than the stem, flowers spiked. S. three-sided.  

Melanthium monopetalum. M. corol one-petal'd, leaves cowl'd lanced. S. one-petal'd.  

455. MEDEOLA. Cal. o. Cor. 6-parted, revolute. Berry 3-seeded. Climbing Asparagus  

Medeola virginicum. 2. M. leaves verticil'd, branches unarm'd.  

Medeola asparagiades. 3. M. leaves feather'd: leaflets alternate.  

456. TRIL-

456. Trillium. Cal. 3-leaved. Cor. 3-petal'd. 
Berry 3-cell'd. True love of banish.

B.M. cernuum. 1. T. flower peduncled bowing.
B.M. eretum. 2. T. flower peduncled erect.
B.M. sessile. 3. T. flower sessile erect.


E.B. autumnale. 1. C. leaves flat lanced erect.
montanum. 2. C. leaves linear most expanding.
B.M. variegatum. 3. C. leaves waved expanding.

458. Helonias. Cor. 6-petal'd. Cal. 0. 
Capsules 3-cell'd.

B.M. bullata. 1. H. leaves lanced nerved.
B.M. asphodeloides. 2. H. stem-leaves bristly.
minuta. H. leaves linear, scapes branchy.

Four females. 
(Tetragynia.)

459. Petiveria. Cal. 4-leaved. Cor. 0. 
Seed 1: with reflected awns at top.

alliacea. 1. P. flowers six-male.
ecitandra. 2. P. flowers eight-male.

Many
HEXANDRIA. POLYGYNIA. Alisma, 279.

MANY FEMALES.

(Polygynia.)


Plantago. 1. A. leaves egg’d acute, fruit obtusely three-corner’d. Plantain.

flava. 2. A. leaves egg’d acute, peduncles umbel’d, fruit globular. yellow.


natans. 5. A. leaves egg’d obtuse, peduncles solitary. swimming.

ranuncul- 6. A. leaves linear-lanced, fruit globe-ragged. oides nunculus-like. parnassifolia. 7. A. leaves awl’d. parnassia-

fsubulata. 8. A. leaves hearted acute, petioles jointed. leaved.
CLASS VII.

SEVEN MALES.

(Heptandria.)

ONE FEMALE.

(Monogynia.)

461 Trientalis. Cal. 7-leaved. Cor. 7-parted, flat. Berry 1-cell'd, dry.

Disandra. Cal. nearly seven-parted, Cor. wheel'd nearly seven-parted Cap. 2-cell'd many-seeded.

462 Æsculus. Cal. 5-tooth'd. Cor. 5-petal'd, unequal. Cap. 3-cell'd, 2-seeded.

* Gerania Africana.

TWO FEMALES.

(Digynia.)

463 Limeum. Cal. 5-leaved. Cor. 5-petal'd, equal. Cap. 2-cell'd, many-seeded.

FOUR
FOUR FEMALES.

(Tetragynia.)


1387 Aponogoton. Ament. Cor. none. Caps. 3-seeded. S.

SEVEN FEMALES.

(Heptagynia.)

465 Septas. Cal. 7-parted. Cor. 7-petal’d. Germs 7.

Caps. 7, many-seeded.
282. SEVEN MALES. ONE FEMALE. Trientalis.

ONE FEMALE.
(Monogynia.)

461. TRIENTALIS. Cal. 7-leaved. Cor. 7-parted, equal, flat. Berry juiceless.

1345. DISANDRA. Cal. 7-leaved, Cor. 7-parted flat. Caps. 2-cell’d. S.
B.M. prostrata. Disandra. prostrate.

462. ÆSCULUS. Cal. 1-leaved, 5-tooth’d, bel- lied. Cor. 5-petal’d, unequally colour’d, inserted on the calyx. Caps. 3-cell’d. Cheon.

Hippo-Cas- 1. Æ. flowers seven male. Horsé-Chefnut.

tanum. Pavia. 2. Æ. flowers eight male.

TWO FEMALES.
(Digynia.)

464. LIMEUM. Cal. 5-leaved. Petals 5, equal. Caps. globular, 2-cell’d.

africanum. L. leaves oblong petioled. S. african.
aephyrium. L. leaves egg’d. S. leafeas.

FOUR
HEPTANDRIA. DIGYNIA. Saururus. 283.

FOUR FEMALES.

(Tetragynia.)


cernuus. 1. S. stem leafy many-spiked. bowing.
natans. S. stemless, scape one spiked. swimming.

1387. APONOGETON. Ament. Cor. none. Capsules three-seeded. S.

monostachyon. A. spike simple, leaves heart-oval. S. one-spiked.

SEVEN FEMALES.

(Heptagynia.)


capensis. SEPTAS. cape.

CLASS
CLASS VIII.

EIGHT MALES.

(Octandria.)

ONE FEMALE.

(Monogynia.)

* Flowers complete.

478 Mimusops. Cor. 8-petal’d. Cal. 8-leaved, beneath, Drupe.

466 Tropæolum. Cor. 5-petal’d. Cal. 5-cleft, beneath, spur’d. Berries 3, 1-seeded.

491 Baecokia. Cor. 5-petal’d. Cal. 5-cleft above. Caps. 4-cell’d.

481 Memecylon. Cor. 4-petal’d. Cal. most intire, above.

475 Combretum. Cor. 4-petal’d. Cal. 5-tooth’d, above. Seeds 4.

1304 Ophira. Cor. 4-petal’d, above. Cal. 0. Involucre 2-valved, three-flower’d. Berry 1-cell’d.

471 Epilobium. Cor. 4-petal’d. Cal. 4-leaved, above. Caps. 4-cell’d. Seeds pappus’d.

470 Gaura. Cor. 4-petal’d. Cal. 5-cleft, above. Nut 4-seeded.

469 Oenothera. Cor. 4-petal’d. Cal. 4-cleft, above. Caps. 4-cell’d. Anthers linear.

468 Rhezia.
468 Rhezia. 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.**

Monotropha Hypopithis. * Dais eight-male.

Ruta strong-scented. * Fagara eight-male.

Jussiena erect, shrub-growing. * Melastoma eight-male.

Portulaca four-cleft. Elais saw'd.

** Flowers incomplete


490 Lachnæa.
EIGHT MALES.

490 Lachnæa. Cal. 4-cleft, coroline, unequal. Stamens protruded.
486 Dirca: Cal. borderless, coroline, unequal. Stamens protruded.
489 Passerina. Cal. 4-cleft, coroline, equal. Stamens above the corol.
488 Stellera. Cal. 4-cleft, coroline, equal. Stamens included. Seed single.
1303 Dodonæa. Cal. 4-leaved. Cor. o. Caps. 3-cell’d. Seeds two-fold.

* Rivina eight-male.

TWO FEMALES.

(Digynia.)

293 Weinmannia. Cor. 4-petal’d. Cal. 4-leaved. Caps. 2-cell’d, 2-beak’d.
494 Moehringia. Cor. 4-petal’d. Cal. 4-leaved. Caps. 1-cell’d.
1259 Schmiedelia. Cor. 4-petal’d. Cal. 2-leaved. Pericarps 2, pedicel’d.
492 Galenia. Cor. o. Cal. 4-cleft. Caps. 2-cell’d, 2-beak’d.
1388 Codia. Cor. 4-petal’d. Cal. 4-leaved common Received involucred. S.

* Chrysoplenium.

THREE FEMALES.

(Trigynia.)

497 Paullinia. Cor. 4-petal’d. Cal. 5-leaved. Caps. 3-cell’d, 1-beak’d.
498 Cardiospermum. Cor. 4-petal’d. Cal. 4-leaved. Caps. 3-cell’d, 1-beaked.

449 Sapindus.
449 Sapindus. Cor. 4-petal'd. Cal. 4-leaved. Berry 3-grain'd, 1-fedded.
496 Coccoloba. Cor. o. Cal. 5-parted. Berry calycine, 1-fedded.
495 Polygonum. Cor. o. Cal. 5-parted. Seed 1, naked.

FOUR FEMALES.

(Tetragynia.)

501 Adoxa. Cor. 4 or 5-cleft, above. Cal. 2-leaved. Berry 4 or 5-fedded.
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 jagged.
* Petiveria eight-male.

**ONE FEMALE.**

*(Monogynia.)*


- B.M. minus. 1. T. leaves targetted scollop'd, petals point-bristled, less.
- B.M. majus. 2. T. leaves targetted nearly five-lobed petals obtuse.

*hybridum.* 4. T. leaves somewhat targetted five-lobed most intire, petals varying. greater.

- B.M. peregrinum. 3. T. leaves somewhat targetted five-lobed tooth'd, petals fringe-torn. foreign.

467. OSBECKIA. Cal. 4-cleft: Lobes separated with a fringed scale. Cor. 4-petal'd. Anthers beak'd. Caps. 4-cell'd, girt with the lop'd tube of the calyx.

- *z Spinica.* 1. O. leaves petioled, peduncles axillary one-flower'd naked. S. ceylon.

468. RHEXIA. Cal. 4-cleft. Petals 4, inserted on the calyx. Anthers declining. Caps. 4-cell'd within the belly of the calyx.

- B.M. *virginica.* 1. R. leaves sessile law'd, calyx smooth. virginian.
- *mariana.* 2. R. leaves fringed.
- *juiceoides.* R. leaves alternate ribb'd rugged on the margin. sea-like.

469. OENOr
469. OENOTHERA. Cal. 4-cleft. Petals 4.

2. OE. leaves egg-lanced flat, stem murex-villous. biennial.

3. OE. leaves egg-lanced flat, stem polished subvillous.

4. OE. leaves lance-oblong pointed flat smooth. long-flower'd.

5. OE. leaves toothed, stem simple hairy, petals different two-lobed.

6. OE. leaves toothed, petal'd, ascends toward the upper side. Nut beneath, 1-seeded, 4-angled. Virginian Loosestrife.

470. GAURA. Cal. 4-cleft, tubular. Cor. 4-petal'd, ascending toward the upper side. Nut beneath, 1-seeded, 4-angled. Willow-herb.

1. Gaura. biennial.


* Stamens declining.

angustifolium. 1. E. leaves scatter'd linear-lanced flowers unequal. narrow-leaved. B.M. row-leaved. E.B.

latifolium. 2. E. leaves alternate-lance egg'd, flowers unequal. broad-leaved.

* * Stamens erect regular, petals two-cleft.

birsutum. 3. E. leaves opposite lance'd faw'd decurrent-stem-clasp- ing. broad-leaved. E.B.

O o
290. EIGHT MALES. ONE FEMALE. Epilobium.

E.B. montanum. 4. E. leaves opposite egg'd tooth'd.
E.B. tetragonum. 5. E. leaves lanced toothletted: the lowest opposite, stem four-corner'd.
E.B. alpinum. 7. E. leaves opposite egg-lanced most intire, filiques sessile, stem creeping. Oed. &c. n. 342. alpine.

1267. ANTICHORUS. Cal. 4-leaved. Petals
4. Caps: above, awl'd, 4-cell'd, 4-valved. Seeds very numerous.

depressus. 1. Antichorus.
depress'd.

475. COMBRETUM. Cal. 4-tooth'd, bell'd, above. Cor. 4-petal'd, inferted on the calyx. Stamens most long. Seed 1, quadrangular with membranous angles.

laxum. 1. 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. Caps. globular, above, 1-cell'd, many-seeded.

secunda. 1. Grislea.
one-rank'd.

476. ALLOPHYLUS. Cal. 4-leaved: leaflets orbicular; the opposite ones less. Petals 4, less than the calyx. Germ twin. Stigma 4-cleft. 1.

zeylanicus. 1. Allophylus.

ceylon.

478. MIMU-

479. JAMBOLIFERA. Cal. 4-tooth'd. Cor. 4-petal'd, funnel-form. Filaments flattish. Stigma simple. Pedunculata. 1. JAMBOLIFERA. peduncled.


1335. GUAREA. Cal. 4-tooth'd. Petals 4. Nectary cylindric, bearing the Anthers in its mouth. Caps. 4-cell'd, 4-valved. Seeds solitary. Trichilioides. GUAREA. trichilia-like

EIGHT MALES. ONE FEMALE. Amyris.

Protium. 7. A. leaves feather’d: with leaflets petioled waved.
balsamifera. 5. A. leaves twice-pair’d.
ambrosa. 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.


1303. DODONÆA. Cal. 4-leaved. Cor. o. Caps. 3-cell’d, inflated. Seeds twofold.

482. LAW-
482. **LAWSONIA.** Cal. 4-cleft. Petals 4. Stamens 4 pairs. Caps. 4-cell'd, many-seeded.

- *spinosia.* 2. L. branches thorny.
- *inermis.* L. unarm'd, leaves subsefille egg'd pointed at both ends. S. evening.

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. Whole Berry.

* 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.
- *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 corymbed egg'd, leaves oblong pointed most intire. corymbed.
- *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.

E.M. Arelophathy- 9. V. flowers racemed, leaves notchletted egg’d acute, stem arborefcent.

** Leaves ever-green.

E.B. Vitis idaea. 10. V. racemes terminal nodding, leaves inverse-egg’d revolute most intire dotted underneath. vine of Oo. oom. 20. Ida.

E.B. Oxycocos. 11. V. leaves most intire revolute egg’d, stems creeping thread-form naked. V. creps. &c. cranberry. bispodulum. 12. V. leaves most intire revolute egg’d, stems creeping thread-form hispid.

484. ERICA. Cal. 4-leaved. Cor. 4-cleft. Filaments inserted on the receptacle. Anthers two-cleft. Caps. four-cell’d. Heath.

* Anthers awn’d, leaves opposite.

E.B vulgaris. 1. E. anthers awn’d, corols bell’d subequal, calyxes double, leaves opposite arrow’d. common. lutea. E. anthers awn’d, corols egg’d pointed, flowers collected, leaves opposite linear. yellow.

—— With Leaves threefold.

halicacaba. 27. E. anthers awn’d, corols egg’d inflated, style included, leaves three-fold, flowers solitary. regerminans. E. anthers awn’d, corols egg’d, style included, calyxes acute, flowers racemed, leaves three-fold. regerminant. mucosa. E. anthers awn’d, corols subglobular mucous, style included, leaves three-fold, mucous. bergana. E. anthers awn’d, corols bell’d, style included, calyxes reflected, leaves three-fold. depressa. E. anthers awn’d, corols bell’d, style included, flowers thin, leaves three-fold, stem depress’d. depress’d. pilulifera. 31. E. anthers awn’d, corols bell’d, style included, leaves three-fold, flowers umbel’d. ball-bearing. viridipur- 7. E. anthers awn’d, corols bell’d, style included, leaves three-fold, flowers scattered. green-purple. pуреа, pentaphylla; 23. E. anthers awn’d, corols bell’d, style included, leaves three-fold, flowers pubescent. five-leaved. 43. E.
nigrta. 43. E. anthers awn’d, corols bell’d, style included, calyces 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. beech.

arborea. 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, stigmas double, leaves four-fold bristly. dust.

persoluta. E. anthers awn’d, corols bell’d, style included, calyces fringed, leaves four-fold. perfoliata.

Tetralix. 8. E. anthers awn’d, corols egg’d, style included, leaves four-fold fringed, flowers headed. Oec. Ann. 34. tetranema.

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 four-fold, flowers sessile. fir.

mammosa. E. anthers awn’d, corols gross, style protruded, leaves four-fold. nippled.

caffra. 9. E. anthers awn’d, corols egg’d, style protruded, leaves four-fold pubescent, flowers collected.

seffiliaflora. E. anthers awn’d, leaves four-fold, style protruded, spike with flowers sessile deflected oblong. S. sessile-flower’d.

* * Anthers crested, leaves three-fold.

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. herrying.

gnaphalodes. 34. E. anthers crested, corols egg’d cover’d, style included, leaves threefold, stigma four-parted. gnaphalium-like.

corisflora. 32. E. anthers crested, corols egg’d, style included, calyces top-shape, leaves threefold, flowers umbel’d. coris-leaved.
296. **Eight males. One female. Erica.**

**B.M.** articularis. E. anthers crested, corols egg'd pointed, style included longer than the calyx, leaves threefold.

**E. calycina.** 23. E. anthers crested, corols egg'd, style included, calyxes most expanded wheel'd, leaves threefold.

**F.B.** cinerea. 4. E. anthers crested, corols egg'd, corols egg'd included, leaves threefold.

**E. paniculata.** 36. E. anthers crested, corols bell'd, style protruded, leaves threefold, flowers minute. panicled.

**E. australis.** E. anthers crested, corols cylindrical, style protruded, leaves threefold expanding.

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*With leaves fourfold.*

**B.M.** physodes. 26. E. anthers crested, corols egg'd inflated, style included, leaves fourfold, flowers subsolitary.

**B.M.** empetrifoliate. 30. E. anthers crested, corols egg'd, leaves fourfold, flowers sessile lateral. empetrum-leaved.

**B.M.** retorta. E. anthers rather crested, leaves fourfold recurved, corols egg-oblong, style middling. S. retrorsa.

**E. cernua.** E. crested, leaves fourfold, style included, corol egg'd, calyx fringed, flowers eightfold bowing. S. cernua.

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**B.M.** tenuifolia. 22. anthers awnless included, corols and calyx bloody, leaves opposite. slender-leaved.

**Paeoniae.** E. leaves opposite, corols bell'd, anthers included awnless, pistil protruded. S-

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*With leaves threefold.*

**B.M.** albicans. E. anthers awnless included, corols egg'd oblong acute, leaves threefold, racemes one-rank'd.

**E. spumosa.** 37. E. anthers awnless included, corols threefold cover'd by the common calyx, styles protruded, leaves fourfold.

**E. capitata.** 16. E. anthers awnless middling, corols cover'd with the woolly calyx, leaves threefold, flowers sessile.

**E. melanthera.** E. anthers awnless middling, corols bell'd longer than the colour'd calyx, style protruded, leaves threefold.

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OCTANDRIA. MONOGYNIA. Erica. 297.

ahsynthioides. E. anthers awnness included, corols egg-bell'd, stye protruded, stigma funnel-form, leaves threefold. *M.*
ciliaris. II. E. anthers awnless included, corols egg'd grofs, stye protruded, leaves threefold, racemes one-rank'd.

hispidula. E. anthers awnless included, corols roundish, leaves mostly threefold egg'd acute fringed, stigm hisp-
pid. *S.*

With leaves fourfold.

tubiflora. 20. E. anthers awnless included, corols club'd grofs, stye included, leaves fourfold rather fringed. tubeflower'd.
curviflora. 19. E. anthers awnless included, corols club'd grofs, stye included, leaves fourfold smooth. curve-flower'd.
coccinea. 18. E. anthers awnless nearly included, corols club'd grofs, stye included, calyxes flaggy, leaves fourfold.

cerinthoides. 21. E. anthers awnless included, corols club'd grofs, stigmawa included grofs'd, leaves fourfold. cerinthe-
like.

fasigliata. E. anthers awnless included, corols salver-form fasci-
cled, stye included, leaves fourfold. level-top'd.
cubica. E. anthers awnless included, corols bell'd acute, stye included, calyxes four-corner'd, leaves four-
fold. cubic.
denticulata. E. anthers awnless included, corols egg-funnel-form, stye included, calyxes toothletted, leaves four-
fold. toothletted.
viscaria. E. anthers awnless included, corols bell'd glutinous, stye included, leaves fourfold, flowers racemed.

viscosa. E. anthers awn'd included, corols globular, stye in-
cluded, calyxes subimbricated, leaves fourfold.

granulata. E. anthers awn'd included, corols globular, stye in-
cluded, calyxes subimbricated, leaves fourfold. granulated.

cymosa. E. anthers awnless included, corols egg-oblong, stye included, leaves fourfold, flowers collected.
tufted.

* * * * Anthers awnless protruded, leaves threefold.

Plukenetii. 17. E. anthers awnless longest protruded, corols cylindric, stye protruded, calyxes simple, leaves threefold.

P p
EIGHT MALES. ONE FEMALE. Erica.

Petiveri. E. anthers awnless most long protruded, corols acute, style protruded, calyxes imbricated, leaves threefold.

nudifera. E. anthers awnless protruded, corols cylindric, style protruded, leaves threefold, branches owny.

Bruniades. 15. E. anthers awnless protruded, corols cover'd with the woolly calyx, leaves threefold, flowers scatter'd.

imbricata. 12. E. anthers awnless protruded, corols bell'd, calyxes imbricated, style protruded, leaves threefold.

umbellata. 2. E. anthers awnless protruded, corols bell'd, style protruded, leaves threefold awny.

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-. 10. E. anthers awnless protruded, corols bell'd, style protruded, leaves fourfold, flowers scatter'd. purpling.

E.B. vagans. E. anthers awnless protruded, corols bell'd, style protruded, leaves fourfold, flowers solitary. fragling.

B.M. 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.

B.M. 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 fourflower'd, corols tubular lance-prickle-hispid, anthers awnless. S. of Sparman.

fascicularis. E. anthers awn'd, corols grofs, style included, flowers fascicled, leaves numerous linear lop'd. S. fascicled.
OCTANDRIA. MONOGYNIA. Erica. 299.

**Thunbergii.** E. anthers awnless middling, corols flat: tube globular, style protruded, leaves three-fold. § of Thunberg.

**Massoni.** E. anthers awnless included, corols cylindric grofs, flowers headed, leaves eight-faced imbricated pubescent. § of Masson.

**tetragona.** E. leaves threefold, style included, corol four-corner'd oblong, calyx linear, flowers racemed one-rank'd. §.

**grandiflora.** E. leaves fourfold, style protruded, corol cylindric, calyx simple, lateral flowers subcurved. §.

**Monsoniana.** E. leaves threefold, style included, corols oblong inflated, calyx calyced, flowers of the obtuse branchlets terminal. §.

1304. OPHIRA. Involucre two-valved, 3-flower'd. Cor. 4-petal'd above. Berry 1-cell'd.

**striata.** OPHIRA. upright.

485. DAPHNE. Cal. o. Cor. 4-cleft, corollaceous, withering, including the stamens. Berry one-seeded- Spurge-Laurel

* With flowers lateral.


**Thymelaea.** 2. D. flowers seffile axillary, leaves lanced, stems simple.

**pubescens.** 13. D. flowers seffile lateral aggregate, leaves lance-linear, stem pubescent.

**villosa.** 3. D. flowers seffile lateral solitary, leaves lanced flat fringed hairy crowded.

**Tartoranira.** 4. D. flowers seffile aggregate axillary, leaves egg'd pubescent on both sides nerv'd.

**alpina.** 5. D. flowers seffile aggregate lateral, leaves lanced obtusish, downy underneath.

**Laureola.** 6. D. racemes axillary five-flower'd, leaves lanced smooth.

**pontica.** 7. D. peduncles lateral two-flower'd, leaves lance-egg'd.

P p 2
300. EIGHT MALES. ONE FEMALE. Daphne.

dioica. D. flowers axillary double, leaves linear-lanced. 8.
two-horse.

** With flowers terminal.

indica. 8. D. head terminal peduncled, leaves opposite oblong-
egg'd smooth. 

B.M. Cneorum. 9. D. flowers fascicled terminal sessile, leaves lanced nak-
ded dagger'd.

Gnidium. 10. D. panicle terminal, leaves linear-lanced pointed.

Squarroja. 11. D. flowers terminal peduncled, leaves scatter'd linear
expanding dagger'd.

B.M oleodes 12. D. flowers double terminal sessile, leaves ellipt-

de-lanced smooth.

O. fettid. D. smooth, flowers terminal collected sessile, leaves
opposite petioled egg-oblong acute. 5. fettid.

rotundifolia. D. shaggy, flowers terminal collected sessile, leaves
opposite elliptic subpetioled obtuse smooth. 5.

486. DIRCA. Cal. o. Cor. tubular with an ob-
scurer 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.

B.M. simplex. 5. G. leaves all linear acute, flowers terminal sessile. sim-
pie.

B.M. 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.

B.M. oppositifolia 3. G. leaves opposite lanced. opposite-leaved.

G.

488. STELLERA. Cal. 0. Cor. 4-cleft. Stamens most short. Seed one, beak'd. German-ground.


489. PASSERINA. Cal. 0. Cor. 4-cleft. Stamens placed in the tube. Seed 1, bark'd. Sparrow Wort.

302. EIGHT MALES. ONE FEMALE. Passerina.

B.M. grandiflora. P. most smooth, leaves oblong acute concave wrinkled without, flowers terminal sessile solitary. S. great-flower'd.


490. LACHNEA. Cal. o. Cor. 4-cleft: border unequal. Seed 1, somewhat berried.

B.M. 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. Caps. globular, 4-cell'd crown'd.

frutescens. 1. Bæckea. shrub-growing.

TWO FEMALES.

(Digynia.)

1259. SCHMIEDELIA. Cal. 2-leaved. Cor. 4-petal'd. Germ pedicel'd, longer than the flower.

racemosa. Schmiedelia. racem'd.

492. GALENIA. Cal. 4-cleft, Cor. o. Caps. roundish, 2-fedded.

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. **Caps.** 2-cell’d, two-beak’d.

- **racemosa.** W. leaves simple egg’d faw’d most smooth on both sides, stipules none. **S.** racemosa.
- **trifoliata.** W. leaves three’d: leaflets elliptically lanced faw’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 inverse-egg’d notch’d polish’d. **S.** smooth.

494. **MOEHRINGIA.** Cal. 4-leaved. Petals 4. **Caps.** 1-cell’d, 4-valved. **Mountain Chickweed.**

- **mucrosa.** Moehringia. **mossy.**

1388. **CODIA.** Cal. 4-leaved, Petals 4. Common Receptacle involucred. **S.**

- **montana.** Codia. **mountain.**

**THREE FEMALES.**

*(Trigynia.)*

495. **POLYGONUM.** Cal. 9. Cor. 5-parted, calycine. **Seed** I, angled. **Bistort, Servicaria.**

- **frutescens.** P. stem shrubby, two calyx-leaflets reflected. shrub-growing.

* Atraphaxis-like with stem shrub-growing.

* P. stem shrubby, two calyx-leaflets reflected. shrub-growing.

* * Bistorts
304. EIGHT MALES. THREE FEMALES. Polygonum.

** Bistorts with one spike

E.B.  Bistorta.  2.  P. stem moss simple one-spiked, leaves egg'd decurrent upon the petiole.  *E.B.  Bistorta.

E.B.  viciparum.  3.  P. stem moss simple one-spiked, leaves lanced.  *E.B.  viciparum.

*** Persicaria with Pisilis two-cleft, or the flammens less than eight.

virginianum.  4.  P. flowers five-male half-two-female, corols four-cleft unequal, leaves egg'd.  virginianum.

E.E.  lapathifo- 5.  P. flowers five-male half-two-female, flammens equal to the regular corol.  lapathifo-

E.R.  amphibium.  6.  P. flowers five-male half-two-female, spike egg'd.  amphibium.

creatum.  8.  P. flowers five-male three-female, leaves lanced.  created.


barbatum.  11.  P. flowers six-male three-female, spikes twingly, stipules lop'd brittle-fringed, leaves lanced.  barbatum.


pensylvani.  13.  P. flowers eight-male two-female, peduncles hitipid, leaves lanced, stipules awnless.  pensylvani.

* * * * Polygonums with leaves undivided, flowers eight-male.


E.B.  aviculare.  15.  P. flowers eight-male three-female axillary, leaves lanced, stem procumbent herbaceous.  aviculare.

ereatum.  16.  P. flowers eight-male three-female axillary, leaves oval, stem erect herbaceous.  ereatum.

articulatum.  17.  P. flowers eight-male three-female, spikes jointed panicked, stipules sheathy lop'd.  articulatum.

divarica-
tum.  18.  P. flowers eight-male three-female racemed, leaves lanced, stem divaricated expanded.  divaricate.

ferratun.  7.  P. leaves notch'd.  ferrar.

sibiricum.  P. flowers eight-male three-female racemed, leaves egg-lanced waved rugged.  stipules shaggy.  S.

** * * * Helxine
**Octandria. Trigynia. Polygonum.** 305.

*Helxine with leaves rather hearted*

- chinensis. 19. P. leaves eight-male three-female, peduncles rugged, leaves egg'd, bractes hearted.
- sagittatum. 21. P. leaves arrow'd, stem prickly.
- arifolium. 22. P. leaves halberited, stem prickly.
- perfoliatum. 20. P. leaves triangular, stem prickly, stipules leafy-leaf-pierced expanding roundish.
- tataricum. 23. P. leaves heart-arrow'd, stem unarmed erect, seeds rather tooth'd.
- 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.
- scandens. 27. P. leaves hearted, stem erect climbing.

**Coccoloba.** Cal. 5-parted, colour'd. Cor. 0. Berry calycine, one-seeded. Grape. **Berry**

- Uvifera. 1. C. leaves heart-roundish glossy.
- pubescens. 2. C. leaves orbicular pubescent.
- excoriata. 4. C. leaves egg'd, branches as if barkless.
- punctata. 3. C. leaves lance-egg'd.
- emarginata. 5. C. leaves leathery roundish gash-end-nick'd.
- barbadensis. 6. C. leaves heart-egg'd waved.
- tenuifolia. 4. C. leaves egg'd membranous.

**Paullinia.** Cal. 4-leaved. Petals 4. Nectar 4-leaved, unequal. Caps. 3. compress'd, membranous, conjoin'd.

- asatica. 1. P. leaves three'd, petioles and stem prickly.
- Seriana. 2. P. leaves three'd, petioles naked, leaflets egg-oblong.
- nodosa. 3. P. leaves three'd, petioles naked, the middle leaflet inverse-egg'd.
- Cururu. 3. P. leaves three'd, petioles margin'd.
- mexicana. 4. P. leaves thrice-three'd, petioles all margin'd, stem prickly.
306. EIGHT MALES. THREE FEMALES. Paullinia.

carthaginensis. P. leaves thrice-threed, petioles all margin'd, stem unarm'd. 
caribaea. P. leaves thrice-three'd, petiolets all margin'd, branches prickly. 
curaassavica. 5. P. leaves thrice-three'd, petiolets all margin'd, branches unarm'd. 
barbadensis. P. leaves thrice-three'd, the intermediate petiole margin'd, the rest naked. 
polyphylla. 6. P. leaves three times thrice-three'd, petiolets naked. 
trternata. P. leaves three times thrice-three'd, petiolets margin'd. 
pinnata. 7. P. leaves feather'd, petioles margin'd, leaflets glossy. 
tomentosa. P. leaves feather'd, petioles margin'd, leaflets downy. 
diversifolia. P. leaves superdecompound, petioles margin'd: the lowest feather'd, the rest three'd.


B.M. Halicacabum. 1. C. leaves polish'd. 
Corindum. 2. C. leaves downy underneath.


Saponaria. 1. S. leaves odd-feather'd, stem unarm'd. 
spinosus. 3. S. leaves abruptly feather'd, stem most thorny. thorny. 
trifoliat us. 2. S. leaves three'd. 
chinensis. S. leaves feather'd, leaflets jagged.
OCTANDRIA. TETRAGYNIA. Paris.

FOUR FEMALES.
(Tetragynia.)


501. ADOXA. Cal. 2-cleft, beneath. Cor. 4 or 5-cleft, above. Berry 4 or 5-cell'd, with the calyx coalesced. Moscatellina. 1: ADOXA.

502. ELATINE. Cal. 4-leaved. Petals 4. Caps. 4-cell'd, 4-valved, depress'd. Water-Wort.

Hydropiper. 1. E. leaves opposite. Oed. decum 156 water-pepper. E.B.

Alismastrum. 2. E. leaves verticil'd.

1389. HALORAGIS. Cal. above, 4-cleft. Petals 4. Drupe dry. Nut 4-cell'd. S. prostrata. HALORAGIS.
CLASS IX.

NINE MALES.
(Enneandria.)

ONE FEMALE.
(Monogynia.)

504 Tinus. Cal. 5-cleft. Cor. 5-petal'd Berry 3-cell'd. Seed 1.

503 Laurus. Cal. 0. Cor. 6-petal'd, calycine. Berry 1-seeded. Glands of the Nectary 2-bristled.

520 Anacardium. Cal. 5-parted. Cor. 5-petal'd. Stamen the tenth castrated. Nut with a fleshy receptacle.

505 Cassyta. Cal. 0. Cor. 6-parted, calycine. Berry 1-seeded. Glands of the Nectary lop'd.

* Anacardium 520 with the tenth stamen castrated.

THREE
ENNEANDRIA. 309.

THREE FEMALES.

(Trigynia.)

506 Rheum. Cal. 6; Cor. 6-cleft. Seed 1, three-fided.

SIX FEMALES.

(Hexagynia)

507 Butomus. Cal. 6; Cor. 6-petal'd. Caps. 6, many-seeded.
310. NINE MALES. ONE FEMALE. Laurus.

ONE FEMALE.
(Monogynia.)


B.M. Cinnamo-n. 1. L. leaves three-nerved egg-oblong: the nerves van-ishing towards the top. cinnamon.
B.M. Caffia. 2. L. leaves trippe-nerved lanced. caffia.
Camphora. 3. L. leaves trippe-nerved lance-egg’d. camphor.
Calilaban. 4. L. leaves trippe-nerved opposite. Chloroxylon. 5. L. leaves lanced vein’d perennial, flowers four-cleft.

nobilis. 6. L. leaves lanced perennial flat, branchlets tubercled with scars, flowers racemed. noble.
indica. 7. L. leaves egg’d leathery transversly vein’d perennial, flowers corymbed.
Indic. Bosch. 8. L. leaves lanced perennial, calyces of the fruit berried.
Persea. 9. L. leaves vein’d oblong pointed annual, branches wrinkled underneath above the axils. summer.

Borbonia. 10. L. leaveservelefs egg’d acute at both ends intire annual.
Sassafras. 11. L. leaves three-lobed and intire.


occidentale. 1. Anacardium. occidental.

504 TINUS.
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, surrounding the germ. Inteiour Filaments gland-bearing. Drupe 1-seeded.

filiformis. 1. C. thread-form loose. thread-form.
corniculata. C. branches woody thorny. horned.

THREE FEMALES.

(Trigynia.)

506. RHEUM. Cal. o. 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. handed.
compactum. 4. R. leaves sublobed most obtuse most smooth lucid dentilced.
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.

SIX
312. NINE MALES. SIX FEMALES. Butomus.

SIX FEMALES.

(Hexagynia.)


E.B. umbellatus. l. Butomus. umbel'd.
CLASS X.

TEN MALES.

(Decandria.)

ONE FEMALE.

(Monogynia.)

* Flowers many-petal'd irregular.

508 Sophora. Cor. papilionaceous: banner ascending. Legume with protuberances remote.
509 Anagyrus. Cor. papilionaceous: banner short straight, keel longer than the wings.
510 Cercis. Cor. papilionaceous: the wings banner-form. Nectary with glands style-form, under the germ.
511 Bauhinia. Cor. expanding, claw'd, ascending. Petals lanced.
512 Hymenæa. Cor. subequal. Legume woody with a mealy pulp.
515 Poinciana. Cor. the highest petal larger. Legume compressed.

R ῥ 1398 Myrox-
** Flowers many-petal'd equal.

**

519 Cynometra.  Cal. 4-parted: the opposite divisions larger.  Legume 1-seeded, fleshy.


525 Hæmatoxylon.  Stigma of the Pistil end-nick'd.  Silique with valves boated.


527 Melia.  Nectary tubular, 10-tooth'd.  Drupe with nucleus 5-cell'd.


516 Guajacum.  Cal. two exterior divisions les.  Caps. fleshy, 3-or-5-cell'd, angled.

523 Ruta.  Germ with 10 honey-bearing points.  Caps. 5-cleft, 5-cell'd, many-seeded.

532 Tribulus.  Style of the Pistil none.  Caps. 5, connected, many-seeded.

531 Fagonia.  Cor. claws inserted on the calyx.  Caps. 5-cell'd, 10-valved, 1-seeded.

530 Zygo-phyllum.  Scales of the Nectary 10, at the base of the flammens.  Caps. 5-cell'd many-seeded

533 Thryallis. Cor. 5-petal'd. Caps. three-grain'd.

534 Limonia. Cor. 5-petal'd. Berry 3-seeded.

535 Heisteria. Cor. 5-petal'd. Drupe fitting on the colour'd enlarged calyx.

539 Quisqualis. Cor. 5-petal'd, fitting on the thread-form calyx. Drupe dry.

536 Monotropa. Cal. corolline, gibbous at the base. Caps. 5-cell'd many-seeded.

533 Clethra. Stigmas of the Pistil three. Caps. 3-cell'd, many-seeded.

554 Pyrola. Anthers two-horn'd upwards. Caps. 5-cell'd, many-seeded.

546 Ledum. Cor. flat, 5-parted. Caps. 5-cell'd, many-seeded.


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. fitting on the calyx. Anthers refracted. Berry 5-cell'd, cloath'd with the calyx.

538 Jussieu. Cor. 4-or-5-petal'd. Caps. beneath.

* Rhexia Acisanthera.

Geraniums. Conocarpus racemed.

Lythrum shrubby.

Jacquinia racemed.

*** Flowers one-petal'd equal.


549 Andromeda. Cor. bell'd, round. Caps. 5-cell'd.

548 Rhododendron. Cor. funnel-form. Stamens declining. Caps. 5-cell'd.

1391 Inocarpus. Cor. funnel-form. Cal. 2-cleft. Drupe one-seeded. S.

545 Kalmia. Cor. border 5-horn'd underneath, Caps. 5-cell'd.
TEN MALES.

550 Epigaea. 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.

555 Styrax. Cor. funnel-form. Drupe two-seeded.

520 Anacardium. Cor. with divisions reflected. Drupe with nucleus above, naked.

* Some Vacciniums.

*** Flowers petallefs or incomplete.

540 Daiis. Cor. one-petal’d. Involucre 4-leaved, many-flower’d.

543 Samyda. Cal. 5-parted. Nebéary 10-cleft, surrounding the germ. Caps. berried, 3-cell’d.

541 Bucida. Cal. 5-parted. Berry 1-seeded.

542 Copaifera. Cal. 6. Cor. 4-petal’d.

* Stellera Chamejasine.

Conocarpus racemèd.

TWO FEMALES.
(Digynia.)


537 Trianthema. Cor. none. Caps. circumcised.

558 Chrysosplenium. Cor. none. Cal. above. Caps. 2-cell’d. 2-beak’d.

555 Royena. Cor. 1-petal’d. Cal. bellied. Caps. 4-seeded, 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 Tia-
T H R E E  F E M A L E S.

(Trigynia.)

566 Cucubalus. Caps. 3-cell'd. Petals 2-cleft with throat naked.
567 Silene.  Caps. 3-cell'd. Petals 2-cleft with throat crowned.
570 Cherleria. Caps. 3-cell'd. Nectaries petal-like less than the calyx.
575 Erythroxylon. Drupe 1-seeded. Petals furnished with a scale at the base.
569 Hiræa.  Caps. 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-
TEN MALES.

FOUR FEMALES.

(Tetragynia.)

* Lychnis alpine.

EIVE FEMALES.

(Pentagynia.)

578 Cotyledon. Caps. 5 at the Nectaries. Cor. 1-petal'd.
579 Sedum. Caps. 5 at the Nectaries. Cor. 5-petal'd.
580 Penthorum. Caps. 5-lobed. Cor. petals fewer.
1309 Bergia. Caps. 5-cell'd, 5-valved: the valves gaping horizontally.
584 Lychnis. Caps. 3-cell'd, oblong, Cal. tubular, membranous.
582 Oxalis. Caps. 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.
1262 Forskolea. Seeds 5, involved in wool. Cor. 10-petal'd.

* Adoxa. Geraniums.
Coriaria. Drosera portugali.

TEN FEMALES,

(Decagynia.)

587 Neurada. Cal. 5-parted. Cor. 5-petal'd. Caps. 10-grain'd.
588 Phytolacca. Cal. 5-leaved, corolline. Cor. none. Berry 10-grain'd.

ONE
ONE FEMALE.

(Monogynia.)

508. SOPHORA. Cal. 5-tooth’d, gibbous upwards. Cor. papilionaceoue: with wings the length of the Banner. Legume.

alopecurosides. 1. S. leaves feather’d: leaflets numerous villous oblong, item herbaceous. alopecurus-like.
tomentosa. 2. S. leaves feather’d: leaflets numerous roundish downy.
occidentalis. 3. S. leaves feather’d: leaflets numerous roundish. occidental.
capensis. 9. S. leaves feather’d: leaflets numerous lanced downy underneath, item shrubby. cape.
japonica. 10. S. leaves feather’d: leaflets more numerous egg’d smooth, item arboresect. japan.
tetrapera. 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 sub sessile smooth, stipules sword-form. southern.
tinctoria. 6. S. leaves three’d sub sessile: 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._ Sinking *Bran Tofoil._

510. CERCIS. Cal. 5-tooth'd, gibbous below.  _Cor._ papilionaceous; with a short banner under the wings. _Legume._ *Judas-Tree._

511. BAUHINIA. Cal. 5-cleft, deciduous. Petals expanded, oblong, claw'd: the superior one more distant, all inserted on the calyx. _Legume._ *Mountain Ebony._


513. PAR-

* Senna.

diphylla. 1. C. leaves pair’d, stipules heart-lanced. two-leaved.

Absus. 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, silique columnar long. S. staff.

viminea. 3. C. leaves twice-pair’d egg-oblong pointed: with an oblong gland between the lowest, thorns subpeltioled obscure three-tooth’d twiggy.

Tagera. 4. C. leaves thrice-pair’d; gland peltioled, 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-capfuled.

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 obtusifh. obtuse-leaved.

falcata. 10. C. leaves four-pair’d egg-lanced backward-sickled: with a gland at the base of the petioles. sickled.

longifliqua. C. leaves four-pair’d: outmost leaflets lanced, with an awl’d gland beneath the lowest and between the outmost. S. long-silqued.

occidentalis. 11. 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.

planifliqua. 13. C. leaves five-pair’d egg-lanced smooth: with a gland at the base of the petioles. flat-silqued.

S 8

14. C.
**Chamaecristae with leaflets numerous**

**B.M.**

25. C. leaves many-pair'd, the petiole gland pedicel'd, leaflets sword-form, glandular.

26. C. leaves many-pair'd many-glanded, leaflets awl'd.
DECANDRIA. MONOGYNIA. Cassia.

mimosoides. 27. C. leaves many-pair'd linear, gland at the base of the petioles obscure, stipules brisly. mimofa-like.
flexuosa. 28. C. leaves many-pair'd, stipules half-hearted. winding.
nictitans. 25. C. leaves many-pair'd, flowers five-male, stem erect.

procumbens. 30. C. leaves many-pair'd glandless, stem procumbent.


bijuga. 2. P. prickles solitary, leaflets end-nick'd. twlfce-pair'd.
pulcherrima. 3. P. prickles double, most-beautiful.
elata. A. P. stem unarm'd.

516. CAESALPINIA. Cal. 5-cleft: the lowest division larger. Petals 5: the lowest more beautiful. Legume.

vesicaria. 3. C. stem prickly, leaflets inverse-hearted roundish.

Sappan. 4. C. stem prickly, leaflets oblong unequal-sided end-nick'd.

Crisfa. 2. C. stem arborescent, leaflets egg'd intire, flowers five-male.


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-husé.

S s 2 518. GUA-
324. TEN MALES. ONE FEMALE. Guajacum.

518. GUAJACUM. Cal. 5-cleft, unequal. Petals 5, inserted on the calyx. Caps. angled, 3-or-5-cell’d.

TEN MALES. ONE FEMALE. Guajacum.

519. CYNOMETRA. Cal. 4-leaved: Anthers two-cleft at top. Legume fleshy moon’d.


Royeni. 1. Codon. of Royen.


albus. D. leaves feather’d, stem simple. S white.


mon true graveolens. 1. R. leaves decompound, flowers lateral four-cleft. strong-scented.

chalepensis. 4. R. leaves superdecompound, petals fringed.
pataovina. 2. R. leaves three’d sessile. Patavium.
linifolia. 3. R. leaves lanced undivided. flax-leaved.
pinnata. R. leaves feather’d three-pair’d; leaflets lanced; the odd-one saw’d, petals flat rather notchletted. S feather’d.
524. **TOLUIFERA.** *Cal.* 5-tooth’d, bell’d. *Petals* 5, the lowest the largest inverse-hearted. *Style none.* *Balsamum of Tolu-Fera.***

*Balsamum.* 1. **Toluifera.***


*Campechianum.* 1. **Hæmatoxylum.***


*spicigera.* 1. **Prosopis.***


*paniculata.* 1. **Chalcas.***

1341. **MURRAYA.** *Cal.* 5-parted. *Cor.* bell’d with Nectary surrounding the germ. *Berry* one-seeded.

*exotica.* **Murraya.***


*pavonina.* 1. A. leaves smooth on both sides. *peacock.*

*falcata.* 2. A. leaves downy underneath. *sickled.*

528. **TRI-**
326. TEN MALES. ONE FEMALE. Trichilia.


hirta-1. T. leaves feather’d shaggyish.
glabra. 2. T. leaves feather’d smooth, the outmost leaflets larger.
trifolia. 3. T. leaves three’d.

1306. TURRAEA. Cal. 5-tooth’d. Petals 5. Nectary cylindric bearing the Anthers in its mouth: Caps. 5-grain’d. Seeds twofold.

wicens. TURRAEA. green.


Mahagoni. SWIETENIA. Mahagoni,

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.

B.M. Azedarach. 1. M. leaves twice feather’d.
Azadirachta. 2. M. leaves feather’d.

1. Fabago. Z. leaves pair’d petioled: leaflets 5.

2. coccineum. Z. leaves pair’d petioled: leaflets cylindric fleshly polish’d.

3. album. Z. leaves pair’d petioled: leaflets club’d fleshly spider-like hoary.


5. fessilisfolium. Z. leaves pair’d sessile: leaflets lance-egg’d rugged on the margin, stem shrubby.

6. spinosum. Z. leaves pair’d sessile: leaflets linear fleshly flat above, stem shrubby.

7. astuans. Z. leaves pair’d sessile, leaflets inverse-egg’d retuse.

8. arboreum. Z. leaves feather’d, stem arborescent.


10. microphyllum. Z. leaflets oval minute. capsules end-nick’d. S. small-leaved.


1. Simaruba. Q. flowers one-house, leaves abruptly feather’d: alternate leaflets subpetioled, petiole naked, flowers panicled. S.

2. amara. Q. flowers hermaphrodite, leaves odd-feather’d: leaflets opposite sessile, petiole jointed wing’d, flowers racemed. S. Bitter.

531. FAGUS-
TEN MALES. ONE FEMALE. Fagonia.

531. FAGONIA. Cal. 5-leaved. Petals 5, hearted. Caps. 5-cell’d, 10-valved: cells one-seeded.

B.M. cretica. 1. F. thorny, leaflets lanced flat polish’d. cretan.
    hispanica. 2. F. unarm’d. Spanish.
    arabica. 3. F. thorny, leaflets linear convex. Arabian.


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. Caps. 3-grain’d.


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. Caps. 5-valved.

    uniflora. 2. M. stem one-flower’d, flower ten-male. one-flower’d.

1307. DIONÆA.

Muscipula. Dionæa. Fly-trap. B.M.

538. IUSSIEUA. Cal. 4-or-5-parted, above. Petals 4 or 5. Caps. 4-or-5-cell'd, oblong, gaping with angles. Seeds numerous, minute.

repens. 1. I. creeping, flowers five-petal'd ten-male, leaves egg-oblong. creeping.
tenella. I. smooth, flowers five-petal'd subsessile, leaves opposite line-lanced. tender.
peruviana. 2. I. erect, flowers five-petal'd, peduncles leafy. peruvian, jussiatricosa. 3. I. erect villous, flowers four-petal'd eight-male peduncled, fruticosa.
ereeta. 4. I. erect smooth, flowers four-petal'd eight-male sessile. ereeta.
inclinata. I. erect smooth, flowers four-petal'd eight-male peduncled. inclinata.

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. B.M.

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.
estandria. 2. D. flowers four-cleft eight-male. eight-male. B.M.
TEN MALES. ONE FEMALE. Melastoma.

544. MELASTOMA. Cal. 5-cleft, bell’d. Petals 5, inserted on the calyx. Berry 5-cell’d, involved in the calyx.

1. M. leaves toothletted mostly three-nerved egg’d acute.
2. M. leaves toothletted triple-nerved egg’d pointed.
3. M. leaves toothletted fine-nerved hearted rugged, downy underneath, branches down-villous.
4. M. leaves toothletted five-nerved egg’d lanced, stem hispid.
5. M. leaves toothletted five-nerved egg-lanced, stem hispid.
6. M. leaves most intire three-nerved oblong-egg’d, downy underneath, racemes cross-arm’d, spikes two-parted.
7. M. leaves most intire five-nerved lance-egg’d rugged.
8. M. leaves most intire five-nerved egg-oblong somewhat polish’d pointed polish’d on the margin.
9. M. leaves most intire five-nerved oblong-egg’d smooth polish’d on the margin. 
10. M. leaves most intire three-nerved lanced rugged.
11. M. leaves most intire three-nerved egg’d smooth hispid on the margin.
12. M. leaves most intire five-nerved four-fold, branches curl’d.

Acinodendron.

Grossularioides. 2. M. leaves toothletted triple-nerved egg’d pointed.

S. fragilis.

S. fragilis.

S. fragilis.

S. fragilis.

S. fragilis.

S. fragilis.

S. fragilis.

S. fragilis.
545. **KALMIA.** Cal. 5-parted. Cor. salverform: border 5-horn’d underneath. Caps. 5-cell’d. *Decandria American Journal.*

*latifolia.* 1. K. leaves egg’d, corymbs terminal. broad-leaved.  
*angustifolia.* 2. K. leaves lanced, corymbs lateral. narrow-leaved.

546. **LEDUM.** Cal. 5-cleft. Cor. flat, 5-parted. Caps. 5-cell’d, gaping at the base. *Marsh Rosemary.*

*palustris.* 1. **L.** marsh.

548. **RHODODENDRON.** Cal. 5-parted. Cor. rather funnel-form. Stamens declining. Caps. 5-cell’d. *Drewf Three Bay.*

*ferrugineum.* 1. R. leaves smooth scurfy underneath, corols funnel-form. iron.  
*dauricum.* 2. R. leaves smooth dotted naked, corols wheel’d. Dauria.  
*Chamaecistus.* 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. largeps.  
*Chrysanthem.* 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. *Marsh Cistus.*

*tetragona.* 1. A. peduncles solitary lateral, corols bell’d, leaves opposite imbricated obtuse revolute. four-corner’d.  
*hyponoides.* 2. A. peduncles solitary terminal, corols bell’d, leaves crowded awl’d. Oct. dec. 10. cat-wash*yelhum-like.  
*mariana.* 4. A. peduncles aggregate, corols cylindric, leaves alternate egg’d most intire.
332. TEN MALES. ONE FEMALE. Andromeda.

E.B. Polifolia. 5. A. peduncles aggregate, corols egg’d, leaves alternate lanced revolute. *Andromeda.*

Bryanthia. A. flowers corymbed, leaves elliptic, stem prostrate.

F.B. 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.

racemosa. 7. A. racemes one-rank’d bracketed, corols gibbous-cylindric, leaves alternate oblong saw’d. *racemed.*

B.M. arborea. 8. A. racemes one-rank’d naked, corols round-egg’d. *arborecent.*

calyculata. 9. A. racemes one-rank’d leafy, corols subcylindric, leaves alternate lanced oblong saw’d dotted. *calyced.*

anastomosans. A. leaves egg’d rather saw’d dotted underneath with anastomoses. *S. anastomosedi.*

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.*


repens. 1. Epigaea. creeping.

551. GAULTHERIA. Exteriour Calyx 2-leaved: interiour one 5-cleft. Cor. egg’d. 

Nectarary, with 10 daggers. Caps. 5-cell’d, cloath’d with the interiour berried calyx.

procumbens. 1. Gaultheria. procumbent.

552. ARBUTUS. Cal. 5-parted. Cor. egg’d: pellucid in the mouth at the base. 

Berry 5-cell’d. *Shawboggy-berri.*

E.B. Uredo. 1. A. stem arborecent, leaves smooth saw’d. berries many-seeded.

A. A.
Andracne. 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.

Uvaursi. 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 sessile solitary. S. laurus-leaved.

Unedo. A. stem arborescent, leaves smooth obtusely saw'd, panicle terminal, berries many-seeded. S.

macronata. A. stem shrubby, leaves alternate egg'd saw'd dagger'd, peduncles axillary one-flower'd. S. dagger'd.

pumila. A. stem diffuse, 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.

almifolia. 1. Clethra.

554. PYROLA. Cal. 5-parted. Petals 5. Caps. 5-cell'd, gaping at the angles. Wink-brown.

rotundifolia. 1. P. stamens ascending, pistil declining. round-leaved.

minor. 2. P. flowers racemed dispersed, stamens and pistils straight. Oed. bon. 66.

secunda. 3. P. raceme one-sided. Oed. bon. 402. one-rank'd.

umbellata. 4. P. peduncles subumbel'd. umbel'd.

maculata. 5. P. peduncles two-flower'd. spotted.

uniflora. 6. P. scape one-flower'd. Oed. bon. 8. one-flower'd.


543. SAMYDA.
543. SAMYDA. Cal. 5-parted, colour'd. Cor. none. Caps. berried within, 3-valved 1-cell'd. Seeds nidulant.

parvisflora. 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.
spina. 3. S. flowers eight-male, branches thorny. thorny.
pubescent. 4. S. flowers twelve-male, leaves egg'd downy underneath. pubescent.
serrulata. 5. S. flowers twelve-male, leaves egg-oblong fawletted. fawletted.

542. COPAIFERA. Cal. 0. Petals 4. Legume egg'd. Seed 1, with aril berried.


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.
## TWO FEMALES

*(Digynia.)*

<table>
<thead>
<tr>
<th>555.</th>
<th>ROYENA</th>
<th>Cal.</th>
<th>pitcher'd.</th>
<th>Cor.</th>
<th>1-petal'd.</th>
<th>revolute in the border.</th>
<th>Caps.</th>
<th>1-cell'd.</th>
<th>4-valved.</th>
</tr>
</thead>
<tbody>
<tr>
<td>lucida.</td>
<td>1. R. leaves egg'd rugged.</td>
<td>lucid.</td>
<td></td>
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<tr>
<td>villosa.</td>
<td>4. R. leaves hearted oblong downy underneath.</td>
<td>villos.</td>
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<tr>
<td>glabra.</td>
<td>2. R. leaves lanced smooth.</td>
<td>smooth.</td>
<td></td>
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<tr>
<td>bifluta.</td>
<td>3. R. leaves lanced shaggy.</td>
<td>shaggy.</td>
<td></td>
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<tr>
<td>polyandra.</td>
<td>R. leaves egg'd downy underneath, stamens most numerous.</td>
<td>many-male.</td>
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<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>557.</th>
<th>HYDRANGEA</th>
<th>Caps.</th>
<th>2-cell'd.</th>
<th>2-beak'd.</th>
<th>circumcised.</th>
</tr>
</thead>
<tbody>
<tr>
<td>arborescens.</td>
<td>1. HYDRANGEA.</td>
<td>arborescent.</td>
<td>B.M.</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>556.</th>
<th>CUNONIA</th>
<th>Cor.</th>
<th>5-petal'd.</th>
<th>Cal.</th>
<th>5-leaved.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Caps.</td>
<td>2-cell'd, pointed, many-seeded.</td>
<td>Styles longer than the flower.</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>capensis.</td>
<td>A. CUNONIA.</td>
<td>cape.</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>537.</th>
<th>TRIANTHEMA</th>
<th>Cal.</th>
<th>dagger'd under the top.</th>
<th>Cor.</th>
<th>0. Stamens 5, or 10.</th>
</tr>
</thead>
<tbody>
<tr>
<td>monogyna.</td>
<td>1. T. flowers five-male one-female.</td>
<td>one-female.</td>
<td></td>
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<td></td>
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<tr>
<td>pentandra.</td>
<td>2. T. flowers five-male two-female.</td>
<td>five-male.</td>
<td></td>
<td></td>
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<tr>
<td>decandra.</td>
<td>3. T. flowers mostly ten-male two-female.</td>
<td>ten-male.</td>
<td></td>
<td></td>
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</tr>
</tbody>
</table>
336. TEN MALES. TWO FEMALES. Chryso splenum.

558. CHRYSOSPLENUM. Cal. 4 or 5-cleft, colour'd. Cor. o. Caps: 2-beak'd, 1-cell'd, many-seeded.

EB. alternisfolium. 1. C. leaves alternate. alternate-leaved.
EB. oppositifolium. 2. C. leaves opposite.

559. SAXIFRAGA. Cal. 5-parted. Cor. 5-petal'd. Caps: 2-beak'd, 1-cell'd, many-seeded.

* With leaves undivided, stem nakedish.

B. M. mutata. 2. S. leaves radical aggregate tongued gristle-saw'd, stem racemed-leafy. changeable.
pensylvanica. 3. S. leaves lanced toothletted, stem naked panicled, flowers somewhat headed. pensylvanian.
androacea. 4. S. leaves lanced obtuse hairy, stem naked two-flower'd. androsace.
casia. 5. S. leaves linear perforate-dotted aggregate recurved, stem many-flower'd. grey.
burseriana. 6. S. leaves aggregate imbricated three-sided awl'd polished, stem nakedish one-flower'd. burserian.
SEDoides. 7. S. leaves aggregate alternate and opposite sublanced, 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.
B. M. craffifolia. 11. S. leaves oval retuse obscurely saw'd petioled, stem naked, panicles conglomerated. thick-leaved.
punctata. 13. S. leaves roundish tooth'd longly petioled, stem naked. dotted.
DECANDRIA. DIGYNIA. Saxifraga. 337.

**DECANDRIA.**

**DIGYNIA.**

Saxifraga.

birifuta. 16. S. leaves heart-oval retuse-gristle notch'd, stem naked panicled.

cuneifolia. 15. S. leaves wedge-form most obtuse scollop'd, stem naked panicled.

Geum. 17. S. leaves kidney-form tooth'd, stem naked panicled.

farmentosa. S. leaves radical roundish hearted notch'd, stems axillary rooting, corol irregular, raceme compound. S. farmentous.

**With leaves undivided, stem leafy.**


aspera. 19. S. stem-leaves lanced alternate fringed, stems procumbent.


autumnalis. 20. S. stem-leaves linear alternate fringed : radical leaves aggregate.

rotundifolia. 23. S. stem-leaves kidney-form tooth'd petiol'd, stem panicled.


**With leaves lobed, stems erect.**


geranioides. 30. S. radical leaves kidney-form five-lobed many-cleft, stem-leaves linear, stem nakedish branchy.

ajugifolia. 31. S. radical leaves hand-five-parted, stem-leaves linear undivided, stems ascending many-flower'd.

fibirica. 27. S. stem-leaves kidney-form hadded hairy, stems and peduncles thread-form. fiberian.

tridactylites. 32. S. stem-leaves wedge-form three-cleft alternate, stem erect branchy.
338. TEN MALES. TWO FEMALES. Saxifraga.

petrea. 33. S. stem-leaves hand-three-parted, divisions nearly three-cleft, stem most branchy loose. rock.

adscendens. 31. S. stem-leaves wedge-form tooth'd at top, stem ascending subvillous. ascending.

E.B. cespitosa. 34. S. radical leaves aggregate linear intire and three-cleft, stem erect nakedish mostly two-flower'd.

greenlandica. 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.

E.B. hypnoides. 30. S. stem-leaves linear intire or three-cleft, flores 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.

B.M. cordifolia. 1. T. leaves hearted.

trifoliata. 2. T. leaves three'd.


diphylla. 1. M. scape two-leaved.

nuda. 2. M. scape naked.

562. SCLERANTHUS. Cal. 1-leaved. Cor. none. Seeds 2, included in the calyx.

E.B. annuus. 1. S. calyxes of the fruit expanded. Cor. do. 56. annual.

2. S.

repens. 2. G. leaves lanced, stamens shorter than the end-nick’d corol.
prostrata. 3. G. leaves lanced polish’d, stems diffuse, pistils longer than the bell’d corol.
paniculata. 8. G. leaves lanced rugged, corols revolute, flowers two-house.
akhissima. 5. G. leaves lanced mostly three-nerved, stems straight.
Struthium. 6. G. leaves linear fleshy: axillary leaves crowded columnar.
fafligata. 4. G. leaves lance-linear obscurely three-sided polish’d obtuse one-rank’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.
rigida. 10. G. leaves linear-flat, stem two-fork’d, peduncles two-flower’d, petals end-nick’d.
faxisfraga. 12. G. leaves linear, calyxes angled with four scales, corols end-nick’d.


officinalis. 1. S. calyxes cylindric, leaves egg-lanced.
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.
porrigens. S. calyxes cylindric pubescent, branches most divaricat’d, fruit pendulous.
illyrica. 7. S. calyxes subcylindric, stamens erect vasicid-purpling: branches alternate, corols dotted.
340. TEN MALES. TWO FEMALES. Saponaria.

B.M.  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 subumbel'd, leaves sublinear channel'd.  yellow.

565. DIANTHUS. Cal. cylindric, 1-leaved: with four scales at the base. Petals 5, claw'd.  Pink.

Cap. cylindric, 1-cell'd.  Pink.

Armeria.  3. D. flowers aggregate fascicled, calyx-scales egg-awl'd equalling the tube, leaves lanced.  bearded.

prolifera.  4. D. flowers subaggregate, calyx-scales egg'dawn'd subequalling the tube, leaves three-nerved.  of the earthyians.

ferrugineus.  D. flowers aggregate, petals two-cleft: divisions three-tooth'd.  iron.

E.B.  Caryophyllus.  6. D. flowers solitary, calyx-scales rather egg'd moth short, corols notch'd.  clove.

pomeridiana.  18. D. flowers solitary: calyx-scales two-fold hearted moth short, corols end-nick'd very intire. afternoon.

E.B.  deltoides.  7. D. flowers solitary, calyx-scales lanced two-fold corols notch'd.  delta-like.


E.B.  chinenis.  9. D. flowers solitary, calyx-scales awl'd expanded equalling the tube, corols notch'd.  china.

B.M.  monspeliacus.  10. D. flowers solitary, calyx-scales awl'd the length of the tube, corols many-cleft, stem erect.  mont-

plumarius.  12. D. flowers solitary, calyx-scales rather egg'd moth short, corols many-cleft pubescent in the throat,  feather'd.
DECANDRIA. DIGYNIA. Dianthus.

superbus. 11. D. flowers panicled, calyx-scales short pointed, corols many-cleft-capillary, stem erect.
upestris. D. flowers solitary calyx-scales most obtuse two-fold, petals notch'd.

*** Stem one-flower'd herbaceous.
arenarius. 13. D. stems mostly one-flower'd, calyx-scales egg'd obtuse, petals many-cleft, leaves linear.
alpinus. 14. D. stem one-flower'd, corols notch'd, the exterior calyx-scales equalling the tube, leaves linear obtuse.
virgineus. 15. D. stem mostly one-flower'd, corols notch'd, calyx-scales most short, leaves awl'd.

*** Shrub-growing.
arboresus. 16. D. stem shrubby, leaves awl'd, petals saw'd.
fruticosus. 17. D. stem shrubby, leaves lanced.
pungens. D. stem shrubbyish, leaves linear-awl'd, petals intire.

THREE FEMALES.

(Trigynia.)

566. CUCUBALUS. Cal. inflated. Petals 5, claw'd, without a crown at the Throat.
Caps. 3-cell'd. Campion. Berry-bearing

baccifera. 1. C. calyxes bell'd, petals distant, pericarps colour'd, branches divaricated.
Beben. 2. C. calyxes subglobular smooth net-vein'd, capsules three-cell'd, corols nakedish.
fabarius. 3. C. leaves inverse-egg'd fleshy.
viscofus. 4. C. flowers lateral every way decumbent, stem undivided, leaves reflected at the base.
stellatus. 5. C. leaves fourfold.
egyptiacus. 7. C. flowers erect, petals end-nick'd retroflexed: mark'd on both sides with a toothlet.

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.

*tataricus.* 8. C. petals two-parted, flowers one-rank'd decumbent, peduncles opposite solitary erect, stem most simple.

*sibiricus.* 7. C. petals end-nick'd, flowers subverticil'd: verticils umbel'd leafless.

*catholicus.* 10. C. petals two-parted, flowers paniced, stamens long, leaves lance-egg'd.

*mollissimus.* 11. C. petals half-two-cleft, panicle two-fork'd, stem and leaves velvety; radical leaves spatuled.


*Pumilio.* 15. C. stem one-flower'd shorter than the flower. dwarf.


* With Flowers solitary lateral.


*fustianica.* 2. S. shaggy, petals tooth'd undivided, flowers erect, fruit divericate-reflected alternate. portugal.

E.B. *quinquevulnera.* 3. S. petals most intire roundish, fruit erect alternate.

*nocturna.* 4. S. flowers spiked alternate one-rank'd sepsile, petals two-cleft. nocturnal.

*Gallica.* 5. S. flowers subsided alternate one-rank'd, petals undivided, fruit erect. fr. p.


** * 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. *Cat. Min.* nodding.

amena. 9. S. petals two-cleft: with coronet rather coadjoin’d, one-rank’d, peduncles opposite three-flower’d, branches alternate. petals

paradoxa. 35. S. flowers racemed, calyxes ten-furrow’d viscid, some flowers, with stamens protruded, others with stamens included. petals

fruticosa. 10. S. petals two-cleft, stem shrubby, leaves broad-lanced, panicles three-fork’d. petals

bupleuroides. 14. S. petals two-cleft, flowers peduncled opposite shorter than the bracte, leaves lanced acute smooth. petals

*** With Flowers from the fork of the Stem.

conoidea. 15. S. calyxes of the fruit globular pointed with thirty striae, leaves smooth, petals intire. *Conium-like*

conica. 16. S. calyxes of the fruit conic with thirty striae, leaves soft, petals two-cleft. petals

Beben. 17. S. calyxes smooth egg’d vein-netted.

sirela. 18. S. petals end-nick’d, calyxes smooth net-vein’d pointed longer than the peduncle, stem two-fork’d upright.


nostiflora. 20. S. calyxes ten-angled: the teeth equalling the tube, stem two-fork’d, petals two-cleft. petals

virginica. 21. S. calyxes of the flower cylindric, panicle two-fork’d. petals

antirrhina. 22. S. petal end-nick’d, calyxes egg’d, peduncles three-cleft, leaves lanced somewhat fringed. petals

rubella. 23. S. erect polish’d, calyxes subglobular smooth vein’d, corols unopen’d. petals

inaperta. 24. S. stem two-fork’d panicled, calyxes polish’d, petals most short end-nick’d, leaves smooth lanced unopen’d.

25. S.
344. TEN MALES. THREE FEMALES. Silene.

hortensis. 25. Stems two-fork'd panicled, calyces striated, petals two-cleft, leaves linear.


muscipula. 27. S. petals two-cleft, stem two-fork'd, flowers axillary sessile, leaves smooth.

polyphylla. 28. S. leaves fascicled bristly; those of the flowering branches opposite.


Saxifraga. 32. S. stems mostly one-flower'd, peduncles the length of the stem, flowers hermaphrodite and female, petals two-cleft.

vallesea. 33. S. stems mostly one-flower'd decumbent, leaves lanced downy the length of the calyx. vallesea.

E. B. acaulis. 34. Stemless depress'd, petals end-nick'd. Oct. l. 2.

orchidea. S. flowers fascicled level-top'd, petals four-cleft, leaves egg'd smooth. S. orchis-like.

aegyptiaca. S. petals end-nick'd tooth'd on each side, leaves rather downy. S. aegyptian.

568. STELLARIA. Cal. 5-leaved, expanding. 


dichotoma. 2. S. leaves egg'd sessile, stem two-fork'd, flowers solitary, peduncles fruit-bearing reflect'd. two-fork'd.

radians. 3. S. leaves lanced sawfletted, petals five-parted. radiant.

E. B. Holofstea. 4. S. leaves lanced sawfletted, petals two-cleft.

P. B. graminea. 5. S. leaves linear most intire, flowers panicled. grassy.


biflora. 7. S. leaves awl'd, scapes mostly two-flower'd, petals end-nick'd, germs oblong, calyces striated. two- Oct. l. 12.

arenaria. 8. S. leaves spatuled, stem erect two-cleft, branches alternate petals end-nick'd.

569 ARE-

peploides. 1. A. leaves egg'd acute fleshy.
tetraquetra. 2. A. leaves egg'd keel'd recurved four-ways imbricated.

biflora. A. leaves inverse-egg'd obtuse, items 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.
ciliata. 15. A. leaves egg'd nervy fringed acute. E.B. fringed.

balearica. A. leaves egg'd lucid rather fleshy, item creeping, peduncles one-flower'd. balearean.

multicaulis. 5. A. leaves egg'd nerveless sessile acute : corols larger than the calyx. many-stem'd.
seryllifolia. 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, items barren most long procumbent. mountain.
rubra. 8. A. leaves thread-form, stipules membranous sheathing.
media. 9. A. leaves linear-fleshy, stipules membranous, items pubescent. red.
bavaria. 10. A. leaves semicylindrical fleshy obtuse, petals lanced, terminal peduncles mostly two'd. bavarian.
gyrophiloides. A. leaves linear: radical ones bristly, panicle subpubescent, petals lanced. gypsophila-like:

saxatilis. 11. A. leaves awl'd, items panicled, calyces with leaflets egg'd obtuse.

verna.. A. leaves awl'd, items panicled, calyces pointed fritated.
hispida. 16. A. leaves awl'd hispid underneath. hispid.

juniperina. A. leaves awl'd thorny, items erect, calyces fritiated, capsules oblong. juniper.
tenuisfolia. 12. A. leaves awl'd, item panicled, capsules erect, petals shorter than the calyx lanced. slender-leaved.
laricifolia. 13. A. leaves bristly, item nakedish above, calyces rather shaggy.

X x 14. A.
346. TEN MALES. THREE FEMALES. Arenaria.


فسقطرولا. A. leaves awl'd, stem erect upright, flowers fascicled, petals most short.

غريستولا. A. leaves awl'd flat upright: radical leaves crowded, stems one-flower'd.

لينفولا. A. leaves awl'd, stems shrubby, flowers double.

لينفولا. A. stems erect, branchy below shrubby, leaves awl'd, flowers double. S. flax-flower'd.


672. MALPIGHIA. Cal. 5-leaved with honey-bearing pores on the outside the base. Petals 5, roundish, claw'd. Berry 1-cell'd, 3-seeded. Barbados cherry.

glabra. 1. M. leaves egg'd most intire smooth, peduncles umbel'd. smooth.

puniceifolia. 2. M. leaves egg'd most intire smooth, peduncles one-flower'd punicas-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. flinging.

anguilliola. 4. M. leaves linear-lanced: with bristles on both sides decumbent rigid, peduncles umbel'd. narrow-leaved.

6. M.
craffifolia. 6. M. leaves egg'd most intire downy underneath racemes terminal.
verbascifolia. 7. M. leaves lance-egg'd downy most intire, racemes terminal.
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.

angulos. 1. B. leaves sinus-agled.
purpurea. 2. B. leaves egg’d, spikes lateral, seeds erect.
laurifolia. 3. B. leaves egg-oblong rigid, racemes terminal.

benghalensis. 4. B. leaves egg-oblong pointed, racemes lateral, seeds expanding.
dichotoma. 5. B. leaves egg’d, branches 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.

569. HIRÆA. Cal. 5-leaved. Petals roundish, claw’d. Caps. with three wings, 3-cell’d. Seeds two.

reclinata. 1. Hiræa. reclined.


jamaicensis. Triopteris. jamaica.
348. TEN MALES. THREE FEMALES. Erythroxylon.

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 inverse-egg'd.

havanense. 2. E. leaves egg'd.

FIVE FEMALES.

(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.


B.M. orbiculata. 1. C. leaves orbicular fleshy flat most intire, stem shrubby.

spuria. 2. C. leaves spatulate-lanced fleshy most intire, stem shrubby.

hemisphærica. 3. C. leaves semiglobular.

ferrata. 4. C. leaves oval notch'd, stem spiked.

9. C.
<table>
<thead>
<tr>
<th>Decandria</th>
<th>Pentagynia</th>
<th>Cotyledon</th>
<th>349.</th>
</tr>
</thead>
</table>

| Umbilicus | C. leaves cowl-targetted saw-tooth’d alternate, stem branchy, flowers erect. |
| Laciniata | C. leaves jagg’d, flowers four-cleft. |
| Lisanica | C. leaves oblong rather columnar, flowers racicled. |

| Papillaris | C. leaves opposite column-egg’d, flowers corymbed. |
| Mamillaris | C. leaves alternate column-egg’d, flowers alternate sub-sessile. |
| Triflora | C. leaves inverse-egg’d intire, flowers subpeduncled threefold. |
| Cacaloides | C. leaves columnar, flowers corymbed, stem shrubby. |
| Reticulata | C. shrubby, leaves columnar, flowers net-corymbed. |
| Paniculata | C. shrubby, leaves oblong -egg’d sessile, panicle divaricating racemel. |

579. **Sedum.** Cal. 5-cleft. Cor. 5-petal’d. Five nectar-bearing Scales at the base of the germ. **Capsules 5.** *Flat Hood-like*

| Verticillata | S. leaves fourfold. |
| Telephium | S. leaves flatish saw’d, corymbe leafy, stem erect. |
| Anacamp- | S. leaves wedge-form molt intire, stems decumbent, flowers corymbed. |
| Aizon | S. leaves lanced saw’d flat, stem erect, cyme sessile terminal. |
| Hybrida | S. leaves wedge-form concave rather tooth’d aggregate, branches creeping, cyme terminal. |
| Tellatum | S. leaves flatish angled, flowers lateral sessile solitary. |
| Cepa | S. leaves flat, stem branchy, flowers panicled. |
| Libanoticum | S. radical leaves fascicled spatule-lanced, stem nakedish molt simple. |

**Flat-leaved.**

| Dasyphyllum | S. leaves opposite egg’d obtuse flabby, stem weak, flowers scatter’d. |
| Reflexum | S. leaves awl’d scatter’d loose at the base: inferior ones recurved. |
| E. B. | 11. S. |

**Columnar-leaved.**

<table>
<thead>
<tr>
<th>Decandria</th>
<th>Pentagynia</th>
<th>Cotyledon</th>
<th>349.</th>
</tr>
</thead>
</table>

| Umbilicus | C. leaves cowl-targetted saw-tooth’d alternate, stem branchy, flowers erect. |
| Laciniata | C. leaves jagg’d, flowers four-cleft. |
| Lisanica | C. leaves oblong rather columnar, flowers racicled. |

| Papillaris | C. leaves opposite column-egg’d, flowers corymbed. |
| Mamillaris | C. leaves alternate column-egg’d, flowers alternate sub-sessile. |
| Triflora | C. leaves inverse-egg’d intire, flowers subpeduncled threefold. |
| Cacaloides | C. leaves columnar, flowers corymbed, stem shrubby. |
| Reticulata | C. shrubby, leaves columnar, flowers net-corymbed. |
| Paniculata | C. shrubby, leaves oblong -egg’d sessile, panicle divaricating racemel. |

579. **Sedum.** Cal. 5-cleft. Cor. 5-petal’d. Five nectar-bearing Scales at the base of the germ. **Capsules 5.** *Flat Hood-like*

| Verticillata | S. leaves fourfold. |
| Telephium | S. leaves flatish saw’d, corymbe leafy, stem erect. |
| Anacamp- | S. leaves wedge-form molt intire, stems decumbent, flowers corymbed. |
| Aizon | S. leaves lanced saw’d flat, stem erect, cyme sessile terminal. |
| Hybrida | S. leaves wedge-form concave rather tooth’d aggregate, branches creeping, cyme terminal. |
| Tellatum | S. leaves flatish angled, flowers lateral sessile solitary. |
| Cepa | S. leaves flat, stem branchy, flowers panicled. |
| Libanoticum | S. radical leaves fascicled spatule-lanced, stem nakedish molt simple. |

**Flat-leaved.**

| Dasyphyllum | S. leaves opposite egg’d obtuse flabby, stem weak, flowers scatter’d. |
| Reflexum | S. leaves awl’d scatter’d loose at the base: inferior ones recurved. |
| E. B. | 11. S. |
350. TEN MALES. FIVE FEMALES. Sedum.

E.B. rupifire. 11. S. leaves awl’d five-faced crowded at the base, flowers cymed.

hispanicum. 12. S. leaves columnarish acute: radical leaves fascicled, cyme pubescent.


acre. 15. leaves somewhat egg’d coadjoin-sessile gibbous erectish alternate, cyme three-cleft.

sexangulare. 16 S. leaves rather egg’d adjoin-sessile gibbous erectish imbricated six-ways.

annuum. 17. S. stem erect solitary annual, leaves egg’d sessile gibbous alternate, cyme recurved.

villosum. 18. S. stem erect, leaves flattish and peduncles rather hairy.

atratum. 19. S. stem erect, flowers corymbed level-top’d. black.

B.M. - papilfolium. S. leaves petioled hearted tooth’d, flowers panicied.

* Sedum blushing; see Craffula red.

580. PENTHORUM. Cal. 5-cleft. Petals none to five. Caps. 5-piked, 5-cell’d.


glomerata. B. leaves inverse-egg’d notchletted, flowers glomerated. S.
capensis. B. leaves lanced or elliptic, flowers verticil’d. S.

cape.

531. SURIANA. Cal. 5-leaved. Petals 5. Styles inserted on the interior side of the germs. Seeds 5, naked.

maritima. 1 Suriana. sea.

1235. GRI-
1235. GRIELUM. Cal. 5-cleft. Petals 5. Filaments permanent. Pericarps 5, one-seeded.

tenuisfolium. 1. GRIELUM. slender-leaved.

582. OXALIS. Cal. 5-leaved. Petals connected by the claws. Caps. gaping in the angles, 5-corner'd. Wood Sorrel.

* 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.

longiflora. 3. O. scape one-flower'd, leaves three'd half-two-cleft lobes lanced.

flava. 4. O. scape one-flower'd, leaves three'd two-parted.

compressa. O. scapes one-flower'd, leaves three'd, leaflets inverse-hearted, petioles flat-dilated. 5. compress'd.

punctata. O. scape one-flower'd, leaves three'd inverse-hearted dotted. 5. dotted.

natans. O. scape one-flower'd, leaves three'd swimming. 5. swimming.

tomentosa. O. scape one-flower'd, leaves finger'd downy. 5. downy.

lanata. O. scape one-flower'd, leaves three'd inverse-hearted downy. 5. woolly.

violacea. 5. O. scape umbel-bearing, leaves three'd inverse-hearted, calyces callous at top.

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.
352. TEN MALES. FIVE FEMALES. Oxalis.

**seffilifolia.**  O. peduncles one-flowered, stem most simple, leaves three’d pubescent: leaflets undivided. **seffile-leaved.**

**birta.**  10. O. peduncles one-flower’d, stem more simple, highest leaves crowded: leaflets **two-lobe-divaricated.**

**E.B.**

**corniculata.**  11. O. peduncles umbel-bearing, stem branchy diffuse.

**firiëta.**  12. O. peduncles umbel-bearing, stem branchy **erect.**

**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.**

**sericea.**  O. stem-growing, peduncles umbel-bearing, leaflets inverse-hearted downy. **filmy.**

583. AGROSTEMMA. Cal. 1-leaved, leathery. **Petals 5,** claw’d: with **Border obtuse undivided. Caps. 1-celled. Cockle.**

**E.B.**


**B.M.**

**Coronaria.**  3. A. downy, leaves egg-lanced, petals end-nick’d, crown’d faw’d. **Flower of Jupiter.**

**B.M.**

**Flos jovis.**  4. A. downy, petals end-nick’d. **Flower of Jupiter.**

**B.M.**

**Celis rofa.**  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. Caps. 5-cell’d. Campion**

**B.M.**

**chaledonica.**  1. L. flowers fascicled level-top’d. **chaledonica.**

**E.B.**

**quadridentata.**  2. L. petals four-cleft, fruit roundish. **Cockow flower.**

**E.B.**

**E.D.**

**virsaria.**  3. L. petals nearly intire. **virsous.**

**B.M.**

**alpina.**  4. L. petals two-cleft, flowers four-female. **alpine.**

**B.B.**

**fibirica.**  5. L. petals two-cleft, stem two-fork’d, leaves shaggyfitch. **fiberian.**

6. L.
DECANDRIA. PENTAGYNIA. Lychnis. 353.

dioica. 6. L. flowers two-house.
alpestris. I. petals four-cleft crown'd, leaves recurved. S. alpine.
apetala. 7. L. calyx inflated, coral shorter than the calyx, item mostly one-flower'd hermaphrodite. petallefs.

585. CERASTIUM. Cal. 5-leaved. Petals two-cleft. Caps. 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, items diffuse. common.
visiform. 3. C. erect villous-viscous. viscos.
semidecan-drum. 4. C. flowers five-male, petals end-nick'd. half-ten.

pentandrum. 5. C. flowers five-male, petals intire. five-male.
arvense. 6. C. leaves linear-lanced obtuse smooth, corols larger than the calyx. field.
dichotomum. 7. C. leaves lanced, stem two-fork'd most branchy, capsules erect. two-fork'd.
alpinum. 8. C. leaves egg-lanced, stem divided, capsules oblong. alpine.

* * With capsules roundish.

repens. 9. C. leaves lanced, peduncles branchy, capsules roundish. creeping.

striatum. 10. C. leaves linear pointed smooth, peduncles one-flower'd rather downy, capsules globular. upright.
suffruticosum. 11. C. stem perennial procumbent, leaves linear-lanced thaggyish. shrubbyish.
maximum. 12. C. leaves rugged, petals notch'd, capsules globular. greatest.
aquaticum. 13. C. leaves hearted sessile, flowers solitary, fruit pendulous. aquatic.
latifolium. 15. C. leaves egg'd downyish, branches one-flower'd, capsules globular. broad-leaved.
tomentosum. 16. C. leaves oblong downy, peduncles branchy, capsules globular. downy.

Y y 14. C.
354. TEN MALES. FIVE FEMALES. Cerafium.

manticum. 14. C. smooth, stem striated, leaves lanced, peduncles most long, capsules globular.


E.B. arvensis. 1. S. leaves verticil'd, flowers ten-male. field.
E.B. pentandra. 2. S. leaves verticil'd, flowers five-male. five-male.
E.B. nodosa. 3. S. leaves opposite awl'd polish'd, stems simple. knotted.
e.B. laricina. 4. S. leaves opposite awl'd fring'd fascicled. larch.
E.B. saginoides. 5. S. leaves opposite linear polish'd, peduncles solitary most long, stem creeping. sagina-like.


candida. F. leaves tooth'd. 8. white.
tenacissima. F. leaves egg'd saw'd. 8. most tenacious.

TEN FEMALES.
(Decagynia.)

587. NEURADA. Cal. 5-parted. Petals 5. Caps. beneath, 10-cell'd, 10-seeded, prickly.

procumbens. 1. Neurada. procumbent.

588. PHYTOLACCA. Cal. 0. Petals 5, caly-cine. Berry above, 10-cell'd, 10-seeded. American Fig. Shrub.

oelandra. 1. P. flowers eight-male eight-female. eight-male.
B.M. decandra. 2. P. flowers ten-male ten-female. ten-male.
icoandra. 3. P. flowers twenty-male ten-female. twenty-male.
divica. 4. P. flowers two-house. two-house.
**CLASS XI.**

**TWELVE MALES.**  
*(Dodecandria.)*

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**ONE FEMALE.**  
*(Monogynia.)*

- **591** Bocconia.  
  Cor. o. Cal. 2-leaved, beneath. Berry dry without, 2-seeded.

- **1263** Hudsonia.  
  Cor. o. Cal. 3-leaved, beneath. Caps. 1-cell'd, 3-valved, 3-seeded.

- **289** Asarum.  
  Cor. o. Cal. 3-cleft, above. Caps. 6-cell'd.

- **592** Rhizophora.  
  Cor. 4-parted. Cal. 4-parted, beneath. Seed 1, club'd with a fleshy receptacle.

- **594** Garcinia.  
  Cor. 4-petal'd. Cal. 4-leaved, beneath. Berry 8-seeded, crowned.

- **599** Crataeva.  
  Cor. 4-petal'd. Cal. 4-cleft, beneath. Berry 2-cell'd, pedicel'd.

- **596** Halesia.  
  Cor. nearly 4-cleft. Cal. 4-tooth'd, above. Pericarp 4-seeded, 4-angled.

- **600** Triumfetta.  
  Cor. 5-petal'd. Cal. 5-leaved, beneath. Caps. 4-cell'd, 2-seeded, murex'd.

---

**Y y 2**
356. **TWELVE MALES.**

601 *Peganum.* Cor. 5-petal’d. Cal. 5-leaved, beneath. Cap’s. 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. Cap’s. 1-cell’d, circumcised.

604 *Lythrum.* Cor. 6-petal’d. Cal. 12-cleft, beneath. Cap’s. 2-cell’d.

605 *Ginora.* Cor. 6-petal’d. Cal. 6-cleft, beneath. Cap’s. 1-cell’d, 4-valved.

593 *Blakea.* Cor. 6-petal’d. Cal. of the fruit 6-leaved: of the flower above undivided. Cap’s. 6-cell’d. Anthers connected.

1310 *Besaria.* Cor. 7-petal’d. Stamens 14. Berry juiceless, 7-cell’d.


597 *Decumaria.* Cor. 10-petal’d. Cal. 10-leaved, above.

590 *Gethyllis.* Cor. 6-petal-like. Spathe 1-leaved, above. Cap’s. 3-cell’d.

* Cleome viscosa, twelve-male.

Rivina eight-male.

Chironia twelve-male.

**TWO FEMALES.**

*(Digynia.)*

606 *Heliocarpus.* Cor. 4-petal’d. Cal. 4-leaved. Cap’s. 2-cell’d, 1-seeded, flat-radiated.

607 *Agrimonia.* Cor. 5-petal’d. Cal. 5-cleft. Seeds 1, or 2.

**THREE**
THREE FEMALES.

(*Trigynia.*)

608 Reseda. Cor. petals many-cleft. Cal. parted. Caps. 3-cell’d, gaping.
609 Euphorbia. Cor. petals targetted. Cal. bellied. Caps. 3-grain’d.
1393 Visnea. Cor. 5-petal’d. Cal. 5-leaved, beneath. S.
1394 Tacca. Flower above. Cor. 6-petal’d, vaulted. S.
1395 Pallasia. Cor. 5-petal’d. Cal. none. S.

FOUR FEMALES.

(*Tetragynia.*)

* Tormentilla erecta.*
Some Residas.

FIVE FEMALES.

(*Pentagynia.*)

610 Glinus. Cor. 0. except bristles. Cal. 5-leaved. Caps. 5-cell’d.
Reseda purpling.
TWELVE MALES.

TWELVE FEMALES.

(Dodecagynia.)


MANY FEMALES.

(Polygynia.)

* Alisma heart-leaved.
DODECANDRIA. MONOGYNIA. Asarum. 359.

ONE FEMALE.
(Monogynia.)

589. ASARUM. Cal. 3-or-4-cleft, sitting on the germ. Cor. 0. Caps. leathery, crown'd.

Europeum. 1. A. leaves kidney-form obtuse two-fold. European
Canadense. 2. A. leaves kidney-form dagger'd. Canada.
Virginia. 3. A. leaves hearted obtuse smooth petioled. Virginian.

591. BOCCONIA. Cal. 2-leaved. Cor. 0. Style two-cleft. Berry quite dry, 1-seeded.


590. GETHYLLIS. Spathe. Cor. 6-cleft. Stamens inserted six-ways. Caps. 3-cell'd.


592. RHIZOPHORA. Cal. 4-parted. Cor. 4-parted. Seed most long, fleshy at the base. Indian candles.

Conjugata. 1. R. leaves egg-oblong obtusifh most intire, calyces sessile, fruit cylinder-awl'd. Pair'd.

Gymnorhiza. 2. R. leaves egg-lanced most intire, root laid upon the ground. Naked-root.

Candela. 3. R. leaves obtuse, peduncles twice-doubled longer than the leaf, fruit awl'd.

Corniculata. 4. R. leaves egg'd, flowers crowded, fruit arch'd, pointed.

5. R.
360. TWELVE MALES. ONE FEMALE. Rhizophora.

Mangle. 5. R. leaves acute, fruit awl-club'd.
cylindrica. 5. R. fruit cylindric obtuse.
caseolaris. 6. R. leaves egg’d obtuse, flowers solitary, fruit orbicular depress’d dagger’d.

cylindrica. 5. R. fruit cylindric obtuse.


trinervia. B. two-calycled, leaves nerveless transversely most nicely striated. S. three-nerved.


resinosa. B. leaves egg’d, flowers collected. S. resinous.
astifrons. B. leaves lanced, flowers racemed. S. scorching.

1311. VATICA. Cal. 5-cleft. Petals 5. Anthers 15, sessile, 4-cell’d.

chinensis. VATICA. china.


Mangostana. 1. G. leaves egg’d, peduncles one-flower’d.
celebica. 2. G. leaves lanced, peduncles three-flower’d.
cornea. G. leaves lanced veiny, peduncles bowing. horny.

596. HALESIA. Cal. 4-tooth’d, above. Cor. 4-cleft. Nut quadrangular, 2-feeded.

B.M. tetrapetera. 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-
barbara. 1. Decumaria. barbarous.

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 feminine-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. Caps. hispid, bursting into four.
Lappula. 1. T. leaves end-nick'd at the base, flowers not callyced.
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 o. Caps. 3-cell'd, 3-valved, many-seeded. Syrian Pus.
Harmala. 1. P. leaves many-cLEFT d.
dauricum. 2. P. leaves undivided. dauric.
362. **TWELE MALES. ONE FEMALE.**  
Hudsonia.

1263. **HUDSONIA.**  
Cor. none.  
Cal. 5-leaved, tubular.  
Stamens 15.  
Caps. 1-cell'd, 3-valved, 3-seeded.  

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602. **NITRARIA.**  
Cor. 5-petal'd, petals vaulted at top.  
Cal. 5-cleft.  
Stamens 15.  
Drupe many-seeded.  

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**D.B. Schoberi. A. NITRARIA.**  
of Schoser.

603. **PORTULACA.**  
Cor. 5-petal'd.  
Cal. 2-cleft.  
Caps. 1-cell'd, circumcised, or 3-valved.  
 purslane.

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<table>
<thead>
<tr>
<th><strong>Cor.</strong></th>
<th><strong>P.</strong></th>
<th><strong>V.</strong></th>
<th><strong>H.</strong></th>
<th><strong>T.</strong></th>
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</thead>
<tbody>
<tr>
<td>1.</td>
<td>leaves wedge-form, flowers sessile.</td>
<td>oleraceous.</td>
<td></td>
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<tr>
<td>2.</td>
<td>leaves awl'd alternate: axils hairy, flowers sessile terminal.</td>
<td>pilosa.</td>
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<td>3.</td>
<td>leaves oblong fleshy, stem corymbed, flowers sessile.</td>
<td>quadrifida.</td>
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<tr>
<td>4.</td>
<td>leaves egg'd gibbous, peduncle many-flower'd, stem shrubby.</td>
<td>halimoides.</td>
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<tr>
<td>5.</td>
<td>leaves inverse-egg'd flattish, raceme simple three-fided.</td>
<td>triangularis.</td>
<td></td>
<td></td>
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<tr>
<td>6.</td>
<td>leaves inverse-egg'd flattish, peduncles racemed, calyces five-leaved, stem shrubby.</td>
<td>fruticosa.</td>
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<tr>
<td>7.</td>
<td>leaves elliptic fleshy flat, knots hairy, flowers sessile terminal.</td>
<td>meridiana.</td>
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</tbody>
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604. **LY-**
DODECANDRIA. MONOGYNIA. Lythrum. 363.


Salicaria. 1. L. leaves opposite heart-lanced, flowers spiked, twelve-male.

virgatum. 10. L. leaves opposite lanced, panicle twiggy, flowers twelve-male threefold.

fruticosum. A. L. leaves opposite downy underneath, flowers ten-male, the corol shorter than the calyx, and the calyx shorter than the fructification. twiggy.

verticillatum. 4. L. leaves opposite downy underneath subpetioled, flowers verticil'd lateral.

petiolatum. 5. L. leaves opposite linear petioled, flowers twelve-male.

lineare. 6. L. leaves opposite linear, flowers opposite six-male.

Parsonia. 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 sub sessile lanced entire, 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 circum cised one-cell'd. S.

racemosum. L. diffuse, leaves opposite petioled egg'd, racemes terminal, flowers opposite. S. racemed.


Thymifolia. 9. L. leaves alternate linear, flowers four-petal'd. Thyme-leaved.

dipetalum. L. hispid-viscous, leaves threefold or opposite sessile egg'd, flowers axillary nodding, two-petal'd. S. two-petal'd.

Z z 2 605. GI-
TWELVE MALES. ONE FEMALE. Ginora.

605. GINORA. Cal. 6-cleft. Petals 6. Caps. 1-cell’d, 4-valved, colour’d, many-seeded.

americana. Ginora. american.

1392. DODECAS. Cal. half-four-cleft, coroll-bearing, above. Cor. 5-petal’d. Caps. 1-cell’d, conjoin’d with the calyx. S.

Surinamenfis DODECAS. Surinam.

TWO FEMALES.

(Digynia.)

606. HELIOCARPUS. Cal. 4-leaved. Petals 4. Styles simple. Caps. 2-cell’d, compress’d, both ways longitudinally radiated. Sun fruit.

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. Eup. repens. 583.

repens. 2. A. stem-leaves feather’d: with the odd one sessile, fruit hispid. Agrimonioi-des.

decumbens. 3. A. stem-leaves three’d, fruit smooth. Agrimonioi-des. decumbens. A. leaves feather’d shaggy, stem procumbent, fruit every way hispid-hook’d. S. decumbent.

THREE
THREE FEMALES.

(Trigynia.)


Luteola. 1.  R. leaves lanced intire, one-tooth'd on both sides the base, calyxes four-cleft.

canseens. 2.  R. leaves lanced waved hairy.
glaucha. 3.  R. leaves linear tooth'd at the base, flowers four-female. 

purpurascens. 4.  R. leaves linear obtuse, flowers five-female. purpling.
Sesamoïdes. 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, item shrubby at the base.

alba. 8.  R. leaves feather'd, flowers four-female, calyxes fixed-parted.

undata. 6.  R. leaves feather'd waved, flowers three-female or four-male.
lutea. 9.  R. leaves all three-cleft: inferior 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. 

odorata. 11.  R. leaves intire and three-lobed, calyxes equalling the flower.

609. EUPHORBIA. Cor. 4 or 5-petal'd, fitting on the calyx. Calyx 1-leaved, bellied. Caps. 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.

heptagona. 3. E. prickly naked seven-angled: thorns solitary awl’d flower-bearing.

mamillaris. 4. E. prickly naked: angles tuberous distinguihied with thorns.

cereiformis. 5. E. prickly naked many-angled: thorns solitary awl’d.

efficinarum. 6. E. prickly naked many-angled: prickles doubled.

neriifolia. 7. E. prickly: angles obliquely tubercled. nerium-leaved.

** Shrubby, unarm’d, (stem neither two-fork’d nor umbel-bearing.)

CaputMedu-.8. E. unarm’d imbricated with tubercles furnish’d with a

linear leaflet. Medus’a’s Head.

mauritani- 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.

Tithymal- 12. E. unarm’d shrubby, leaves two-ways alternate egg’d.

oides. Tithymalus-like.

beterophylla.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.

ocymoidca. 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, items simple. origa-

nem-like.

hyperici- 17. E. two-fork’d, leaves saw’d oval-oblong smooth,

folia. corymbes terminal, branches divaricated. hype-

ricum-leaved.

maculata 22. E. two-fork’d, leaves saw’d oblong hairy, flowers ax-

illary solitary, branches spreading. spotted.

birta. 18. E. two-fork’d, leaves sawletted egg’d pointed, pedun-

cles headed axillary, items hairy. shaggy.

pilulifera. 19. E. two-fork’d, leaves saw’d oval-oblong, peduncles

two-headed axillary, stem erect. ball-bearing.
DODECANDRIA. TRIGYNA. Euphorbia. 367.

bysfopifolia. 20. E. two-fork’d, leaves somewhat notch’d linear, flowers fascicled terminal, stem erect. bysfop-leaved.


parviiflora. 23. E. mostly two-fork’d, leaves saw’d oblong smooth, flowers solitary, stem erectish alternately branchy. small-flower’d.

canecens. 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.


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.

Ipecacuanhae. 28. E. two-fork’d, leaves most intire lanced, peduncles axillary one-flower’d equalling the leaves, stem erect. Ipecacuan:

portulacoides. 29. E. two-fork’d, leaves most intire oval obtuse, 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, involucre egg’d, leaves most intire inverse-egg’d petioled.

falcata. 32. E. umbel three-cleft: two-fork’d, involucre somewhat hearted dagger’d, leaves lanced obtusifish. sickled.

exigua. 34. E. umbel three-cleft: two-fork’d: involucre lanced, leaves linear. little.

tuberoa. 35. E. umbel three-cleft, involucres 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.

terracina. 33. E. umbel four-cleft: two-fork'd, leaves alternate lanced retuse dagger'd.


* * * Umbel five-cleft

genistoides. E. umbel five-cleft: two-cleft with involucels egg'd: leaves linear erect, stem shrub-growing. genista-like.

D.B. spinosa. 37. E. umbel nearly five-cleft: simple, involucels egg'd: primary ones three-leaved, leaves oblong most intire, stem thorny.

B.M. epithymoides. 39. E. umbel five-cleft: two-cleft, with involucels egg'd, leaves lanced obtuse villous underneath. epithymo-like.

dulcis. 40. E. umbel five-cleft: two-cleft, with involucels somewhat egg'd, leaves lanced obtuse most intire.

Pithysfa. 41. E. umbel five-cleft: two-cleft, with involucels egg'd dagger'd, leaves lanced: the lowest involute imbricated backwards.


E.B. 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, inferior leaves briskly. aleppo.

pinea. 46. E. umbel five-cleft: two-fork'd, involucels hearted, leaves linear pointed crowded, capsules somewhat polished.

sagittalis. 45. E. umbel five-cleft: two-fork'd, involucels hearted acute, leaves linear-lanced: superior leaves broader.

corn. E.B. 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.

verrucosa. 48. E. umbel five-cleft: nearly three-cleft: two-cleft, with involucels egg'd, leaves lanced saw'd villous, capsules warty.
corollata. 48. E. umbel five-cleft: three-cleft: two-fork'd, with involucels and leaves oblong obtuse, petals membranous.
coraloides. 50. E. umbel five-cleft: three-cleft: two-fork'd, with involucels egg'd, leaves lanced, capsules woolly.

plulous. 51. E. umbel five-cleft: three-cleft: two-fork'd, with involucels egg'd, petals intire, leaves lanced rather hairy fawletted at top.

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.

Esula. 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 briztly; stem-leaves lanced.

myrsinites. 56. E. umbel nearly eight-cleft: two-cleft, with involucels somewhat egg'd, leaves spatulated expanding flesh 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 fix-cleft: two-fork'd, with involucels oval, leaves most intire, branches none, capsules warty. winter.


amygdaloides. 60. E. umbel many-cleft: two-fork'd, involucels leaf-pierced orbicular, leaves obtuse. amygdalus-like.

ylvatica. 62. E. umbel five-cleft: two-cleft, with involucels leaf-pierced somewhat hearted, leaves lanced most intire.

Characias. 61. E. umbel many-cleft: two-cleft, with involucels leaf-pierced end-nick'd, leaves most intire, stem shrub-growing.
1393. VISNEA. Cor. 5-petal'd. Cal. 5-leaved, beneath. Stigmas three. Nut 2 or 3-cell'd, half-beneath. S.

Mecanera. 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.

FIVE FEMALES

(Pentagynia.)

610. GLINUS. Cal. 5-leaved. Cor. none. Nectaries with two-cleft bristles. Caps. 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 FEMALES.

(Dodecagynia.)


arboreum. 1. S. stem arborescent polished branchy. arboreous.
canariensis. 2. S. stem torn by the rubbish of the leaves, leaves retuse. canaries.
testorum. 3. S. leaves fringed, offsets expanding. roof.
globiferum. 4. S. leaves fringed, offsets globular. globe-bearing.
arachnoideum. 7. S. leaves with hairs interwoven, offsets globular. cobweb.
hirtum. 5. S. leaves stem and tops of the petals shaggy. shaggy.
montanum. 6. S. leaves most intire, offsets expanded. mountain.
sediforme. S. leaves scatter’d, inferior ones columnar; superior ones depress’d. sedum-form.

CLASS
CLASS XII.

TWENTY MALES.

(Icosandria.)

ONE FEMALE

(Monogynia.)


616 Eugenia. Cal. above, 4-parted. Cor. 4-petal'd. Drupe 1-cell'd, 1-seeded.

614 Philadelphia. Cal. above, 5 or 4-parted. Cor. 5 or 4-petal'd. Caps. 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
ICOSANDRIA.

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. Caps. many-cell'd. S.

TWO FEMALES.

(Digynia.)

622 Crataegus. Cal. above, 5-cleft. Cor. 5-petal'd. Berry 2-feeded.

THREE FEMALES.

(Trigynia.)

623 Sorbus. Cal. above, 5-cleft. Cor. 5-petal'd. Berry 3-feeded.

FIVE FEMALES

(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-feeded.
626 Pyrus. Cal. above, 5-cleft. Cor. 5-petal'd. Pome 5-cell'd many-feeded.
628 Me-
TWENTY MALES.

629 Aizoon. Cal. beneath. 5-cleft. Cor. o. Caps. 5-cell'd many-seeded.
630 Spiraea. Cal. beneath, 5-cleft. Cor. 5-petal'd. Caps. numerous, collected.

MANY FEMALES.

(Polygynia.)

631 Rosa. Cal. 5-cleft. Cor. 5-petal'd. Cal. berried, many-seeded.
632 Rubus. Cal. 5-cleft. Cor. 5-petal'd. Berry compound.
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.
638 Comarum. Cal. 10-cleft. Cor. 5-petal'd. Seeds most numerous upon a fleshy permanent receptacle.

* Spiraea Filipendula, Ulmaria.

Phytolacca twenty-male.
ONE FEMALE.

(Monogynia.)


* Echinomelocactus roundifh.

mammillaris. 1. C. roundifh cover'd with egg'd bearded tubercles. mammillary.

Melocactus. 2. C. roundifh fourteen-angled.

* * Cereusies erect standing by themselves.


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 fix-angled long, angles distant. fix-corner'd.
pentagonus. 6. C. erect mostly five-angled long jointed. five-corner'd.

repandus. 7. C. erect long eight-angled: angles compress'd wav'd, thorns longer than the wool. scolph'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. peruvian.

Royeni. 10. C. erect jointed nine-angled: joints rather egg'd, thorns equalling the wool. of Royen.

* * * Cereusies creeping with lateral rootlets.

grandisflora. 11. C. creeping mostly five-angled. great-flower'd.


mis.

parasiticus. 13. C. creeping columnar striated awnles.

triangula- 14. C. creeping triangular.

ris.

*** Opun-
TWENTY MALES. ONE FEMALE. Cactus.

* * * * Opuntias compress’d with proliferous joints.


mis. neckless-form.

B.M. 16. C. joint-proliferous loose, joints egg’d, thorns bristly.

Opuntia. Ficus indi- 17. C. joint-proliferous, joints egg-oblong, thorns bristly.

ca. indian fig.

B.M. 18. C. joint-proliferous, joints egg-oblong: thorns awl’d.

Tuna. cochenillifer. 19. C. joint-proliferous, joints egg-oblong nearly unarmed.

curassavici- 20. C. joint-proliferous, joints cylinder-bellied compress’d.

cus. cochenille-bearing.

Phyllanthus. 21. C. proliferous sword-form-compress’d, saw-collop’d.

Peregrina. 22. C. stem arborescent columnar with prickles double recurved, leaves lance-egg’d.

Poirulacifera. 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. Caps. 4 or 5-
cell’d, many-seeded. Mock Orange.

B.M. coronarius. 1. P. leaves rather tooth’d.

incanus. 2. P. leaves most intire.

inodorus.


pyriferum. 1. P. leaves lined obtusifish, peduncles one-flower’d.

bearing. pear-bearing.

pomiferum. 2. P. leaves lined pointed, peduncles three-flower’d.

apple-bearing.

decaspermum. P. leaves egg’d pointed flat, peduncles one-flower’d.

bractled. 8.

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.

B.M. jambo. 2. E. leaves most intire, peduncles branchy terminal.

6. E.

6. E. leaves most intire, peduncles one-flower'd very numerous lateral and terminal. False-pseudium.

uniflora. 3. E. leaves most intire heart-lanced, peduncles one-flower'd lateral. One-flower'd.

cotonifolia. 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.


biflora. 3. M. peduncles two-flower'd, leaves lanced. Two-flower'd.

angustisfolia. 4. M. peduncles umbel'd, leaves linear-lanced subflesile. Narrow-leaved.

lucida. 4. M. peduncles mostly three-flower'd, leaves subflesile lanced attenuated. Lucid.

cumini. 5. M. peduncles many-flower'd, leaves lance-egg'd. Long.

dioica. 6. M. peduncles three-fork-panicled, leaves oblong, flowers two-house. Two-house.

Chytraculia. 7. M. peduncles two-fork'd panicled downy, leaves terminal rather egg'd double.


Zelanica. 9. M. peduncles many-flower'd, leaves egg'd subpetiol'd. Ceylon.


caryophylla. 11. M. peduncles three-cleft-many-flower'd, leaves inferior. Vele-egg'd.

Pimenta. 12. M. leaves alternate. Allspice. B.M.

B b b 618. PU-
378. TWENTY MALES. ONE FEMALE. Punica.

618. PUNICA. Cal. 5-cleft, above. Petals 5. 
Pome many-cell’d, many-seeded. 
Pomegranate.

B.M. 1. P. leaves lanced, stem arborescent. 
EM. granatum. 2. P. leaves linear, stem shrubby. 
nana.


Persica. 1. A. leaves with all the sawings acute, flowers seflile solitary. 
communis. 2. A. leaves with the lowest sawings glandular, flowers seflile double. 
pumila. 3. A. leaves vein-wrinkled. 
B.M. nana. 4. A. leaves attenuated at the base. 

620. PRUNUS. Cal. 5-cleft, beneath. Petals 5. 

Z.B. Padus. 1. P. flowers racemed, leaves deciduous two-glanded underneath the base. 
virginiana. 2. P. flowers racemed, leaves deciduous glanded before at the base. 
canadenis. 3. P. flowers racemed, leaves deciduous glandless broad-lanced wrinkled pubescent on both sides. 
lusitanica. 4. P. flowers racemed, leaves ever-green glandless. 
lauro-lera- 
sus. 5. P. flowers racemed, leaves ever-green two-glanded on the back. 
Mahaleb. 6. P. flowers corymbed terminal, leaves egg’d. 
armeniaca. 7. P. flowers seffile, leaves rather hearted. 
 fibrarica. 8. P. flowers seffile, leaves egg-oblong. 
E.B. cerasus. 9. P. umbels subpeduncled, leaves egg-lanced smooth conduplicate. 

10. P.
ICOSANDRIA. MONOGYNYA. Prunus. 379.

10. P. umbels sessile, leaves egg-lanced pubescent underneath conduplicate. 

domestica. 11. P. peduncles subfolitary, leaves lance-egg'd convolute, branches awnles.

infinitia. 12. P. peduncles double, leaves egg'd subvillos convolute, branches thorn-growing. 

spina. 13. P. peduncles solitary, leaves lance smooth, branches 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. 

rubra. P. flowers four-petal'd. 

pedunculata. P. flowers peduncled many-male. S. peduncled.


Icaco. 1. CHRYSOBALANUS.

1396. SONNERATIA. Cal. 6-cleft. Petals 6, awl'd. Caps many-cell'd, succulent: Cells many-seeded. S.

acida. Sonneratia.

acida. Sonneratia.

TWO FEMALES.
(Digynia.)


Aria. 1. C. leaves egg'd gash'd saw'd downy underneath. 

terminalis. 2. C. leaves hearted seven-angled: the lowest lobes divaricated.

bbb 2
380. **TWENTY MALES. TWO FEMALES.** Crataegus.

- **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.
- **Tomentosa.** 5. C. leaves wedge-form-egg’d saw’d subangled, villous underneath, branches thorny.
- **M. 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, Azarole.
- **Maura.** 9. C. leaves obtuse nearly three-cleft somewhat tooth’d, moorish.

**THREE FEMALES.**

(Trigynia.)


1. **Aucuparia.** S. leaves feather’d smooth on both sides, catch-bird.
2. **Hybrida.** S. leaves half-feather’d downy underneath, mule.
3. **Domestica.** S. leaves feather’d villous underneath, domestic.

624. **SESUVIUM.** Cal. 5-parted, colour’d. Petals none. Caps: egg’d, three-cell’d, circumcised, many-seeded.

**Portula-costrum.** A. Sesuvium.

**FIVE**
FIVE FEMALES.

(Pentagynia.)


Germanica. 1. M. unarm'd, leaves lanced downy underneath, flowers solitary sessile.

Pyracantha. 2. M. thorny, leaves lance-egg'd notched, calyxes of the fruit obtuse.

Arbutusolia. 3. M. unarm'd, leaves lanced notched downy underneath.

Amelanchier. 4. M. unarm'd, leaves oval sallow'd shaggy underneath.


Canadensis. 5. M. unarm'd, leaves egg-oblong smooth sallow'd acutish.

Cotoneaster. 7. M. unarm'd, leaves egg'd most entire: downy underneath.

Xanthocarpus. M. thorny, leaves somewhat wedge-form notched, flowers solitary, divisions of the calyx somewhat leafy glossy-fallow'd long reflected, fruit somewhat top-shape dot-warted. S. Yellow-fruit.

Phaeopyrum. M. thorny, leaves hearted three five or seven-cleft sallow'd smooth, flowers corymbe, segments of the calyx deciduous, fruit globe-depressed 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 fall'd polish'd, flowers corymbe. common. E.B.

Pollueria. P. leaves fall'd downy underneath, flowers corymbe.

Malus. 2. P. leaves fall'd, umbels sessile.

Baccata. 5. P. leaves fall'd, peduncles crowded, pomes berried. Apple. E.B.

Coronaria. 3. P. leaves fall-angled, umbels peduncled. crown. B.M
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 subfleshy. S. Willow-leaved.

Botryadium. P. unarm’d, leaves egg-oblong saw’d acute, racemes
simple elongate. S.

B.M. Amelanchier. P. unarm’d, leaves oval obtuse saw’d downy under-
neath becoming bald, stipules awl’d lateral deciduous, raceme simple few-flower’d, petals
sublinear. S.

Arbutus. P. unarm’d, leaves egg-lanced most finely saw’d:
rachis above gland-bearing, corymbe compound.

627. TETRAGONIA. Cal. 4 or 5-parted. Petals

o. Drupe beneath, 5 or 4-corner’d,
5 or 4-cell’d. Drupe. corner—

fruticosa. 1. T. leaves linear. shrubby.
herbacea. 2. T. leaves egg’d. herbaceous.
Ivaefolia. T. erect smooth, leaves petioled egg-lanced saw’d,
petals deciduous. S. Iva-leaved.
hirsuta. T. herbaceous haggy procumbent, leaves egg’d vil-

lous, flowers axillary three-fold sessile. S. Haggy.
spicata. T. smooth herbaceous erect, inferior leaves egg’d,
higheft ones lanced smooth, flowers racemcd.
Spiked.

628. MESEMBRYANTHEMUM. Cal. 5-cleft.

Petals numerous, linear. Caps. fleshy
beneath, many-seeded. Fig. manyfold.

* With white cords.
nodisflorum. 1. M. leaves alternate columnarish obtuse fringed at the
crystallinum. 2. M. leaves alternate egg’d pimply waved. Crystalline.
cepticum. 3. M. leaves half-columnar pimply distinct, flowers sessile
axillary, calyces five-cleft. Coptic.
geniculiflo-
rum. 4. M. leaves half-columnar pimply distinct, flowers sessile
axillary, calyces four-cleft. Joint-flowering.

5. M.
ICOSANDRIA. PENTAGYNYA. Mesembryanth. 383.

neciflorum. 5. M. leaves semicylindric bedotted distinct, flowers peduncled, calyces four-cleft. night-flowering.

splendens. 6. M. leaves nearly columnar bedotted recurved distinct collected, calyces 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, calyces 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.

crystallinum. M. leaves alternate egg'd pimply, flowers sessile, calyces 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.


scabrum. 15. M. leaves awl'd distinct: dot-murex'd every where underneath, calyces awnless. rugged.

etamara. 16. M. leaves awl'd collected ruggedish, calyces 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. Mefembryan.

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.

crafffolium. 22. M. leaves semicylindric bedotted conjoined three-sided at top, stem creeping semicylindric. thick-leaved.

glomeratum. 24. M. leaves columnarish compressed dotted distinct, stem panicked many-flowered. glomerated.

loereum. 25. M. leaves semicylindric recurved collected gibbous at the interior base conjoined, stem pendulous.

filamentosum. 26. M. leaves equilateral-three-sided acute somewhat dotted conjoined; angles rugged, branches fix-corner'd.

falcatum. 27. M. leaves scymitar-form bedotted conjoined; rugged on the keel-angle, petals lanced. sickled.

forficatum. 21. M. leaves scymitar-form obtuse bedotted conjoined; thorny at top, stem two-edged. seiffar.

*** With yellow corals.

edule. 29. M. leaves equilateral-three-sided acute upright bedotted conjoined; somewhat saw'd on the keel, stem two-edged.

B.M. bicolorum. 30. M. leaves awl'd dotted polished distinct, stem thrubby, corols two-colour'd.

ferratum. 31. M. leaves awl'd three-sided dotted distinct; saw'd backwards on the keel-angle.

B.M. micans. 32. M. leaves subcylindric pimply distinct, stem rugged.

glaucum. 35. M. leaves three-sided acute dotted distinct, calyx-leaflets egg-hearted.

corniculatum. 36. M. leaves three-side-semicylindric dot-rugged; conjoined above the base with an elevated line.

tortusum. 38. M. leaves flattish oblong egg'd somewhat pimply crowded conjoined, calyces three-leaved two-horn'd.

B.M. pomeridianum. 39. M. leaves flattish broad-lanced polished'd, rather fringed distinct, stem with peduncles and germs flabby.

veruculatum. 34. M. leaves three-side-cylindric acute conjoined bow'd bedotted distinct.
icos ANDRiA. PENTAGYNIA. Mesembryanth. 385.

rostatum. 33. M. stemless, leaves semicylindric externally tubercled conjoin'd. beak'd.
ingens. 40. M. stemless, leaves fringe-tooth'd dotted. grinning.
dolabrirfor- 41. M. stemless, leaves ax-form dotted. ax-form.
difforne. 42. M. stemless leaves different dotted conjoin'd. different.
album. 43. M. stemless, leaves three-sided most intre. white.
linguiforme. 44. M. stemless, leaves tongue-forme thicker on one margin bedotted. tongue-form.
pugionifor- 45. M. leaves alternate crowded awl'd three-sided most me. poniard-form.
papulosum. M. leaves opposite spatule-oblong pimply, flowers peduncled, calyces linear. S. pimply.
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. Caps. 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 panicked. lanced.
paniculatum. A. spaggy, leaves lanced, flowers sessile, branches erect. S. panicked.
Glinoides. A. spaggy herbaceous procumbent, leaves egg'd, flowers sessile distinct. S. Glinus-like.
secundum. A. shrubbery herbaceous procumbent, leaves egg'd, flowers sessile imbricated one-rank'd. S. one-rank'd.
fruticosum. A. shrubby erect smooth, leaves lanced, flowers sessile. shrubby.
rigidum. A. shrubbery procumbent downy, leaves egg'd, flowers sessile remote. S. rigid.

C c c 630. SPIRÆA.
386. TWENTY MALES. FIVE FEMALES. SPIRAEA.

630. SPIRAEA. CAL. 5-CLEFT. PETALS 5. CAPS.

Many-feeded. Meadow Sweet, Dropwort.

* Shrubby.

S. leaves lanced most intire sessile, racemes compound.

** ** Herbaceous.

E.B. S. leaves lanced obtuse saw’d naked, flowers double-racemed.

S. leaves lanced unequally saw’d downy underneath, flowers double racemed.

E.B. S. leaves inverse-egg’d most intire, umbels sessile.

D.B. S. leaves egg’d gash-saw’d smooth, umbels peduncled.

Meadow-Sweet.

D.B. S. leaves lobed notch’d, umbels terminal. three-lobed.

S. leaves lobed saw’d corymb terminal. opulus-leaved.

S. leaves feather’d: leaflets uniform saw’d, stem shrubby, flowers panicled. forbus-leaved.

S. shrubby, racemes compound, leaves silky wedge-form lined saw’d at top somewhat plaited. S.

S. shrubby, stem pubescent, leaves lanced acute saw’d naked, corymb terminal compound. S. japonica.

Aruncus. S. leaves superdecompound, spikes panicled, flowers two-house.

S. leaves feather’d: leaflets uniform saw’d, stem her-baceous, flowers corymbed. Filipendula.

Filipendula. S. leaves feather’d: the odd one larger lobed, flowers cymed. Ulnaria.

Ulnaria. S. leaves feather-three’d: the odd leaflet five-lobe-hand ed.

Palmata. S. leaves three’d saw’d subequal, flowers subpanicled. Trifoliata.

D.B. S. leaves feather’d: the odd and lateral ones lobed twice saw’d, flowers cymed. S.

Filipendula. S. leaves interruptedly feather’d: leaflets linear-lanced interruptedly saw’d most smooth, flowers cymed. S. hand.

Ulnaria. S. leaves interruptedly feather’d: leaflets egg’d twice-saw’d hoary underneath, flowers cymed. S.

S. hand.
MANY FEMALES.

(Polygynia.)


* With germs subglobular.

Eglanteria. 3. R. germs globular and peduncles smooth, stem with prickles scatter'd straight, petioles rugged, leaflets acute.

rubiginosa. R. germs globular and prickly with prickles recurved, leaves rusty underneath. Prickly Brier, prerubiginous.

cinnamomia. 4. R. germs globular and peduncles smooth, stem with stipule-prickles, petioles nearly unarmed. Cinnamon.

arvensis. R. germ globular and peduncles smooth, stem and petioles prickly, flowers corymbed.

pimpinella-folia. 2. R. germs globular and peduncles smooth, stem with prickles scatter'd straight, petioles rugged, leaflets obtuse.


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.

Sinica. R. germs subglobular smooth, peduncles prickly hispid, stem and petioles prickly, calyx-leaflets lanced subpetioled.

dempervirens. 9. R. germs globular and peduncles hispid, stem and petioles prickly, flowers subumbel'd. Ever-green.

C c c 2

** Germs
388. **TWENTY MALES. MANY FEMALES.** Rosa.

* * Germs egg’d.

**B.M. muscosa.** 1. R. germs egg’d and peduncles hispid, stem hispid prickly, petioles unarm’d. hundred-leaved.

**gallica.** 2. 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.

**E.B. 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. indiam.

**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. R. frutic. 14d. white.

**pumila.** R. germs egg’d, petioles and peduncles hispid, stem most prickly above. S. dwarf.


* Shrubby.

**E.B. 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.

**bifpidus.** 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 faggy and petioles with prickles recurved. small-leaved.

**jamaicensis.** 14. R. leaves three’d downy underneath, stem petioles and leaves pubescent recurve-prickled. jamaica.

**E.B. caesius.** 4. R. leaves three’d nakedish: lateral ones two-lobed, stem prickly columnar. grey, dewberry.

**E.B. 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.

**B.M. 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.

japonica. R. leaves simple hearted oblong saw’d, stem unarm’d shrubbyish.

microphyllus. R. shrubby prickly smooth, leaves simple hearted egg’d obtuse sublobed, peduncles solitary one-flower’d.

corchorifolius. R. shrubby prickly downy, leaves simple oblong hearted saw’d, peduncles solitary one-flower’d.

Japonicus. R. shrubby unarm’d most smooth, leaves simple hearted oblong pointed double-saw’d, peduncles solitary one-flower’d.

** Herbaceous.

Saxatilis. 10. R. leaves three’d naked, with creeping herbaceous wires. Out. Cuv. 182.

arcticus. 11. R. leaves three’d, stem unarm’d one-flower’d. arctic. (Out. Cuv. 182).

Chamaemo-rus. 12. R. leaves simple lobed, stem unarm’d one-flower’d.

Dailibarda. 13. R. leaves simple hearted undivided notch’d, scape leafless one-flower’d.


vesca. 1. F. wires creeping.

monophylla. 2. F. leaves simple.

sterilis. 3. F. stem decumbent, branches flower-bearing flexible.

634. POTENTILLAA. 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.

Anserina. 2. P. leaves feather’d saw’d, stem creeping, peduncles one-flower’d. Out. Cuv. 544.

3. P.
390. TWENTY MALES. MANY FEMALES. Potentilla.

3. P. leaves twice-feather’d downy on both sides: the segments parallel approximated, stems decumbent.  

4. P. leaves twice-feather’d: segments most intire distant downy underneath, stem decumbent.  

5. P. leaves feather’d and three’d: the outmost ones greater, wires creeping.  

6. P. leaves feather’d alternate: leaflets fivefold egg’d notch’d, stem erect.  

7. P. leaves feather’d subequal: leaflets oblong nearly two-cleft: the outmost ones confluent.  

8. P. leaves feather’d: leaflets roundish tooth’d equal, stem erect.  

9. P. leaves feather’d, stem two-fork’d decumbent.  

10. P. leaves seven’d lanced saw’d somewhat hairy on both sides, stem erect.  

11. P. leaves fived wedge-form gash’d downy underneath, stem erect.  

12. P. leaves seven’d and fived wedge-form gash’d hairy, stem erect shaggy.  

13. P. leaves seven sessile fitting on the dilated stipule.  


15. P. radical leaves fived acutely saw’d retuse, stem-leaves three’d, stem declined.  

16. P. radical leaves fived saw’d pointed, stem-leaves three’d, stem declined.  

17. P. leaves fived villous, stem ascending shaggy.  

18. P. leaves fived converge-saw’d at top, stems thread-form procumbent, receptacles shaggy.  

19. P. leaves fived converge-saw’d at top, stems many-flower’d decumbent, receptacles shaggy.  

**With leaves finger’d.**

**straight.**

**silver.**

**intermediate.**

**shaggy.**

**stipule.**

**opake.**

**golden.**

**canadensis.**

**white.**

**caulefons.**

**growing.**
icosandria.  polygynia.  potentilla.  391.

nitida.  21.  P. leaves mostly three'd downy converge - three-tooth'd, stems one-flower'd, receptacle woolly.

downy.

valeria.  20.  P. leaves seven’d inverse-egg’d saw’d downy, stem erect, petals shorter than the calyx, receptacles woolly.

valerian.

reptans.  22.  P. leaves hived, stem creeping, peduncles one-flower’d.

creeping.

monspelien.  23.  P. leaves three’d, stem branchy erect, peduncles frs. growing out above the knots.

montpelier.

norvegica.  24.  P. leaves three’d, stem two-fork’d, peduncles axillary.

nivea.  25.  P. leaves three’d gash’d downy underneath, stem ascending.

snowy.

grandiflora.  26.  P. leaves three’d tooth’d somewhat hairy on both sides, stem decumbent longer than the leaves.

fis.

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 receptacle.  septfoil.  tormentil.

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.

rivet.

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.


E.B. pentapetala. 1. D. five-petal'd, leaves feather'd.

E.B. octopetala. 2. D. eight petal'd, leaves simple.


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. Virginia Mint.

B.M. floridus. 1. C. interior petals longer. flowering.

B.M. precox. 2. C. interior petals minute. early.
CLASS XIII.

MANY MALES.

(Polyandria.)

ONE FEMALE

(Monogynia.)

* One-petal'd.

640 Marcgravia. Cal. 6-leaved, imbricated. Cor. 1-petal'd, closed. Berry many-cell'd, many-valved.

1397 Ternstromia. Cal. 1-leaved, 5-parted. Cor. 1-petal'd. Berry juiceless, two-cell'd valveless. S.

1398 Alstonia. Cal. beneath, imbricated. Cor. 8 or 10-cleft. S

* Three-petal'd.

1313 Trilix. Cal. 3-leaved. Berry 5-cell'd, many-seeded.

* Four-petal'd.

641 Rheedia. Cal. none. Berry 3-seeded. D d d

656 Mam-
656 Mammea. Cal. 2-leaved. Berry 1-cell'd. Seeds cal- 
lous.
647 Cheilidonium. 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. Caps. half-beneath, 1-cell'd, half-three- valved, many-seeded.
670 Mentzelia. Caps. beneath, 1-cell'd, 3-valved, many-
seeded.
666 Vateria. Caps. 1-cell'd, 3-valved, 1-seeded.
655 Sloanea. Caps. hedgehog'd, berried within. Exteriour 
Stamens barren, leafy.
673 Cistus. Caps. roundish. Cal. 5-leaved 2 leaflets left.
675 Corchorus. Caps. nearly 5-cell'd. Cal. 5-leaved, the 
length of the corol, deciduous.
652 Sarracenia. Caps. 5-cell'd. Stigma shield-like. Cal. the 
exteriour 3-leaved, the superiour 5-
leaved.
660 Tilia. Caps. 5-cell'd, leathery, 1-seeded. Cal. de-
diduous.
657 Ochna. Berries 5 in a fleshy receptacle. Petals with 
elongated claws.
651 Muntingia. Berry 5-cell'd, navel'd. Cal. 5-parted.
663 Elaeocarpus. Drupe with nucleus curl'd. Petals torn.
1399 Myristica. Berry fleshy, one-seeded. S.

* Delphinium Convolida, Ajacis, Aconites.

* Six-petal'd.

649 Argemone. Cal. 3-leaved. Caps. 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. Caps. 3-cell'd. Seeds solitary.

664 Lecythis.  
Cal. 6 leaved. Stamens conjoin'd to the tongued nectary. Caps. circumcised.

* Eight-petal'd.

645 Sanguinaria.  
Cal. 2-leaved. Caps. 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. Caps. 2-valved.

* Many-petal'd.

653 Nymphæa.  
Berry many-cell'd, barky. Cal. large.

* Petallefs.

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.

TWO FEMALES.

(Digynia.)

680 Calligonum.  
Cal. 5-leaved. Cor. none. Pericarp hedge-hog-hook'd.

Fothergilla.  

679 Curatella.  
Cal. 5-leaved. Cor. 4-petal'd. Caps. 2-parted, 2-seeded, D d d 2

678 Pæonia.
THREE FEMALES.

(Trigynia.)

682 Aconitum. Cal. none. Cor. 5-petal'd: the highest helmetted. Nectaries 2, pedicel'd.

* Reseda Luteola. Corchorus.

FOUR FEMALES.

(Tetragynia.)

683 Tetracera. Cal. 6-leaved. Caps. 4, one-seeded.
1314 Caryocar. Cal. 5-parted. Cor. 5-petal'd. Drupe with 4 nucleuses.

FIVE FEMALES

(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. Caps. 5-cell'd, many-seeded.

1402 Bra-
P o l y a n d r i a.


* 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 ispatha.

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.


694 Anemone. Cal. none. Cor. 6-petal'd. Seeds most numerous.

691 Michelia. Cal. lop'd. Cor. 8-petal'd. Berries 4-seeded, glomerate.


692 Uvaria.
MANY MALES.

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.


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.


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.
O N E  F E M A L E.

(Monogynia.)

640. MARCGRAVIA. Cor. 1-petal'd, calyptre-form. Cal. 6-leaved, imbricated. Berry many-cell'd, many-seeded.

umbellata. 1. MARCGRAVIA.  umbel'd.

1313 TRILIX. Cor. 3-petal'd. Cal. 3-leaved. Berry 5-cell'd, many-seeded.

tutea. TRILIX.  yellow.

641. RHEEDIA. Cor. 4-petal'd Cal. none. Berry 3-seeded.

lateriflora. 1. RHEEDIA.  side-flowering.


spinosa. 1. C. peduncles one-flower'd solitary, stipules thorny, leaves annual, capsules oval.  B.M. 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. 11. C. peduncles umbel'd, leaves every where crowded. leafy.

ferruginea. 8. C. peduncles umbel'd, leaves permanent lanced downy underneath, flowers eight-male. iron.

Baduca. 4. C. peduncles one-flower'd, leaves perennial egg-ob-long determinately crowded naked. 5. C.
400. MANY MALES. ONE FEMALE. Capparis.

Cynophallo- 5. C. peduncles many-flower'd terminal, leaves oval obtuse perennial, glands axillary.
pulcherrima. 12. C. peduncles racemed, leaves oblong obtuse, fruit berried. most-beautiful.
linearis. 13. C. peduncles subracemed, leaves linear.
Breynia. 7. C. peduncles racemed, leaves permanent oblong, calyxes and peduncles downy, flowers eight-
hastata. 10. C. peduncles many-flower'd, leaves halbert-lanced glossy.
flexuosa. 9. C. peduncles collected terminal, leaves permanent oblong obtuse smooth, branches winding.
filiqueosa. 6. C. peduncles many-flower'd compres'd, leaves permanent lance-oblong pointed dotted underneath.
grandis. C. arborescent, mild, leaves egg'd acute smooth, corymbes terminal, fruit globular. S. great.
horrida. C. arborescent, stipules prickly, branches winding leaves egg-lanced dagger'd smooth, flowers ax-

644. ACTÆA. Cor. 4-petal'd. Cal. 4-leaved. Berry 1-cell'd. Seeds semi-orbicular.

F.B. spicata. 1. A. raceme egg'd, fruit berried.
racemosa. 1. A. racemes most long, fruit dry.

645. SANGUINARIA. Cor. 8-petal'd. Cal. 2-leaved. Siliquæ egg'd, 1-cell'd. Puccoon.


646. PODOPHYLLUM. Cor. 9-petal'd. Cal. 3-leaved. Berry one-cell'd, crown'd with the Stigma. Duck's Foot.

B.M. peltatum. 1. P. leaves targetted lobed.
B.M. diphyllum. 2. P. leaves two'd half-hearted.
647. CHELIDONIUM. Cor. 4-petal'd. Cal. 2-leaved. Siliquæ 1-cell'd, linear. Celandine. Horned Poppy.

Glaucium. 2. C. peduncles one-flower'd, leaves stem-clasping sinu-
ous, stem smooth. Oct. 5.86.
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, siliquæ 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-finusous. 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.
sonniferum. 7. P. calyces and capsules smooth, leaves stem-clasping gash'd. sonniferous.
cambricum. 8. P. capsules smooth oblong, stem many-flower'd polish'd, leaves feather'd gash'd. velech.
orientale. 9. P. capsules smooth, stems one-flower'd rugged leafy, leaves feather'd saw'd. oriental.

E e e 649. ARGE-
402. MANY MALES. ONE FEMALE. Argemone.

649. ARGEMONE. Cor. 6-petal'd. Cal. 3-leaved. Capsule half-valved. Prickly Poppy.

B.M. mexicana. 1. A. capsules six-valved, leaves thorny. mexican.
ameniaca. 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. Caps. hispid, 2-valved. B.M. Orellana. 1. BIXA.

655. SLO-
655. SLOANEA. Cor. 5-petal'd. Cal. 5-leaved, deciduous. Stigma perforated. Berry barky, hedgehog'd, many-seeded, gaping. *Apoiba of Brasil.*

dentata. 1. S. leaves heart-egg'd toothletted, stipules saw'd.

emarginata. 2. S. leaves oblong most intire end-nick'd.

1239. TREWIA. Cor. o. Cal. 3-leaved, above. Caps. 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.
asatica. 2. M. stamens longer than the flower. afatic.

657. OCHNA. Cor. 5-petal'd. Cal. 5-leaved. Berries 1-seeded, affix'd to a large roundish receptacle.

squamata. 1. O. racemes lateral.

fabtapita. 2. O. racemes terminal. ragged.

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.
660. TILIA. Cor. 5-petal'd. Cal. 5-parted. 
Berry dry, globular, 5-cell'd, 5-valved, 
gaping at the base. Lime-

Tilia. 660. 

661. LAETIA. Cor. 5-petal'd, or none. Cal. 
5-leaved. Fruit 1-cell'd, three-corn-
er'd. Seeds with a pulpy aril.

662. ELÆOCARPUS. Cor. 5-petal'd, torn. 
Anthers with top two-valved. Cal. 
5-leaved, with nucleus curl'd. Oil-

663. LECYTHIS. Cor. 6-petal'd. Cal. 6-leaved. 
Nectar ligulate, stamen-bearing. Pe-

664. LECYTHIS. Cor. 6-petal'd. Cal. 6-leaved. 
Nectar ligulate, stamen-bearing. Pe-

672. DELIMA. Cor. 0. Cal. 5-leaved. Berry 
2-seeded.

666. VA-
666. **Vateria.** Cor. 5-petal’d. Cal. 5-cleft. Caps. 3-valved, 1-cell’d, 3-seeded.

*indica.* 1. **Vateria.** _indian._

670. **Mentzelia.** Cor. 5-petal’d. Cal. 5-leaved. Caps. beneath, cylindric, many-seeded.

*aspera.* 1. **Mentzelia.** _rough._

1286. **Loosa.** Cor. 5-petal’d. Cal. 5-leaved. Capsule half-beneath, 1-cell’d, half-three-valved, many-seeded.

*bispida.* 1. **Loosa.** _bispid._

667. **Lagerstroemia.** Cor. 6-petal’d, curl’d. Cal. 6-cleft, bell’d. Stamens many: the 6 exterior of these thicker, longer than the petals.

*indica.* 1. **Lagerstroemia.** _indian._

668. **Thea.** Cor. 6 or 9-petal’d. Cal. 5 or 6-leaved. Caps. 3-grain’d. Tea.

*Bohea.* 1. T. flowers six-petal’d. *Bohea.* _B.M._

*viridis.* 2. T. flowers nine-petal’d.

669. **Caryophyllus.** Cor. 4-petal’d. Cal. 4-leaved, double. Berry 1-seeded, beneath. Clove.

*aromaticus.* 1. **Caryophyllus.** _aromatic._

673. **Cistus.**
CISTUS. Cor. 5-petal'd. Cal. 5-leaved: with two lesser leaflets. Capsule.

* Unstipuled shrubby.

capensis. 1. C. arboresecent unstipuled, leaves egg-lanced petioled three-nerved toothletted naked on both sides. cape.
villosus. 2. C. arboresecent unstipuled, leaves egg'd petioled fagggy.

populifolius. 3. C. arboresecent unstipuled, leaves hearted polished pointed petioled. poplar-leaved.
laurifolius. 4. C. arboresecent unstipuled, leaves oblong-egg'd petioled three-nerved smooth above; petioles conjoin'd at the base. bay-leaved.

ladaniferus. 5. C. arboresecent unstipuled, leaves lanced polished at the base, petioles coalesced at the base sheathing. ladanum-bearing.

monspeleis. 6. C. arboresecent unstipuled, leaves linear-lanced serrate villous on both sides three-nerved. montpelier.
salvifolius. 10. C. arboresecent unstipuled, leaves egg'd petioled fagggy on both sides. sage-leaved.

incanus. 7. C. arboresecent unstipuled, leaves spatulate downy wrinkled; inferior ones conjoin'd at the base sheathing. hoary.

creticus. 9. C. arboresecent unstipuled, leaves spatulate-egg'd petioled nerveless rugged, calyxes lanced. cretan.
albidus. 8. C. arboresecent unstipuled, leaves egg-lanced downy hoary serrate mostly three-nerved. white.
crispus. 11. C. arboresecent unstipuled, leaves lanced pubescent three-nerved waved. curl'd.
halimifolius. 12. C. arboresecent unstipuled, the two calyx-leaflets linear. halimus-leaved.
libanotis. 13. C. arboresecent unstipuled, leaves linear revolute, flowers umbel'd.

* * Unstipuled shrubby.

umbeliatius. 14. C. shrubbyish procumbent unstipuled, leaves opposite, flowers umbel'd.

B.M. lavoipes. 15. C. shrubbyish ascending unstipuled, leaves alternate fascicled thread-form smooth, peduncles ra-cemed. foot-polish'd.
calycinus. C. shrubbyish erect unstipuled, leaves linear, peduncles one-flower'd, calyxes three-leaved. calyx.

16. C.
POLYANDRIA. MONOGYNIA. Ciftus. 407.

Fumana. 16. C. shrubby ifh procumbent unstriped, leaves alternate linear rugged on the margin, peduncles one-flower'd.

canus. 18. C. shrubby ifh procumbent unstriped, leaves opposite inverse-egg'd villous downy underneath, flowers subumbel'd. hoary.

italicus. 17. C. shrubby ifh unstriped, leaves opposite hispid: the inferior ones egg'd; the superior ones lanced, branches expanding. italian.

marifolius. 19. C. shrubby ifh unstriped, leaves opposite oblong petioled flat hoary underneath. marum-leaved.

anglica. C. shrubby unstriped procumbent, leaves opposite oblong revolute hairy, flowers racemed.

doelandicus. 20. C. shrubby ifh procumbent unstriped, leaves opposite oblong smooth on both sides, petioles fringed, petals end-nick'd. oelandian.

*** Unstriped herbaceous.

Tuberaria. 21. C. unstriped perennial, radical leaves egg'd three-nerved downy; stem-leaves smooth lanced: the highest ones alternate.

guttatus. 22. C. herbaceous unstriped, leaves opposite lanced threenuerd, racemes bracteles. spotted.

canadenfis. 23. C. herbaceous unstriped, all the leaves alternate lanced, stem ascending. canadian.

*** Stipuled herbaceous.

ledifolius: 24. C. herbaceous erect smooth stipuled, flowers solitary subseifile opposite to a three'd leaf. fedum-leaved.

falicifolius: 25. C. herbaceous spreading villous stipuled, flowers racemed erect, pedicels horizontal. willow-leaved.

niloticus. C. herbaceous stipuled erect, rather downy, flowers racemed solitary seifile leaf-opposed. nile.

egypticus. 26. C. herbaceous erect stipuled, leaves linear-lanced petiioled, calyxes inflated larger than the corol. egyptian.

**** Stipuled shrubby.

squamatus. 27. C. shrubby ifh stipuled, leaves cover'd over with orbicular scales. scaly.
Lippii.  C. shrubbyish stipulated, egg’d, leaves alternate and opposite lanced rugged, spikes one-rank’d.  |  Lippius.

E.B.  surrejanus.  28.  C. shrubbyish stipulated procumbent, leaves egg-oblong rather hairy, petals lanced.  |  furry.

nummula-  29.  C. shrubbyish stipulated, the lower leaves orbicular, the superior ones egg’d.  |  money.

rius.  serpyllifolius.  30.  C. shrubbyish stipulated, leaves oblong, calyces polish’d.  |  serpyllum-leaved.

glutinosus.  C. shrubbyish stipulated, leaves linear opposite and alternate, peduncles villous glutinous.  |  glutinous.

Thymifolius.  31.  C. shrubbyish stipulated procumbent, leaves oval-linear opposite most short collected.  |  Thyme-leaved.

pilosus.  32.  C. shrubbyish stipulated erectish, leaves linear two-furrow’d underneath hoary, calyces polish’d.  |  hairy.

racemosus.  C. shrubbyish stipulated, leaves lance-linear downy underneath.  |  racemed.


mum.  hirtus.  34.  C. shrubbyish stipulated, leaves egg’d, calyces hispid.  |  baggy.

apenninus.  35.  C. shrubbyish stipulated spreading, leaves lanced flaggy.  |  apennine.

E.B.  polifolius.  36.  C. shrubbyish stipulated procumbent, leaves oblong-egg’d hoary, calyces polish’d, petals saw’d.  |  polium-leaved.

arabicus.  37.  C. shrubbyish stipulated, 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.  1.  Prockia.

675.  CORCHORUS.  Cor.  5-petal’d.  Cal.  5-leaved, deciduous.  Caps. many-valved, cell’d.  Jew’s Mallow.

olitorius.  2.  C. capsules oblong bellied, leaves with the lowest sawings briskly.  |  garden.

7.  C.
trilocularis. 7. C. capsules three-cell'd three-valved thee-sided: the angles two-cleft rugged, leaves oblong: the lowest sawings briskly.

tridens. C. capsules linear columnarish rugged, leaves with the lowest sawings briskly.

æstuans. 3. C. capsules oblong three-cell'd three-valved six-sur-row'd six-piked, leaves hearted: the lowest sawings briskly.

capsularis. 4. C. capsules roundish depress'd wrinkled, leaves with the lowest sawings briskly.

birsutus. 4. C. capsules roundish woolly, leaves egg'd obtuse downy equally saw'd.

birtus. 5. C. capsules oblong and stem hairy, leaves o'long equally saw'd.

filius. 1. C. capsules linear comprefs'd two-valved, leaves lanced equally saw'd.

676. SEGUIERIA. Cal. 5-leaved. Cor. o. Caps. one-fed: with a large terminal wing and lateral winglets.

american. 1. Seguieria.

1397. TERNSTROEMIA. Cal. one-leaved, 5-parted. Cor. 1-petal'd, 5 or 6-parted, globular, bell'd. Berry juicelefs, two-cell'd, valvelefs. S.

meridionalis. Ternstroemia.

1398. ALSTONIA. Cal. beneath, imbricated. Cor. 8 or 10-parted: with alternate divisions. S.

Theaformis. Alstonia.
410. MANY MALES. ONE FEMALE. Myristica.

1399. MYRISTICA. Berry fleshy, one-seeded. Membrane netted, dry, between the Berry and the Seed. S. officinalis. Myristica. officinalis.

1400. SPARMANNIA. Cal. 4-leaved. Cor. 4-petal’d, reflex. Nectaries very numerous protuberant. Capsule angled, five-cell’d, hedgehog’d. S. africana. Sparrmannia. africana.

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. stipularis.

TWO FEMALES.
(Digynia.)


B.M. officinalis. 1. P. leaves oblong. officinal.
B.M. anomala. P. calyx leafy, capsules smooth depress’d. anomalous.
B.M. tenuifolia. 2. P. leaves linear many-parted. slender-leaved.


B.M. americana. A. Curatella. americana.

The Myristica of the Supplement placed by the young Linnaeus in the Class many Males, one Female, and copied from hence into Marshall’s Systems and in consequence into this translation is entirely wrong, being taken from Johnson’s description & a flower which has nothing to do with Myrista. Whence this of Thurtsey is
POLYANDRIA. DIGYNIA. Fothergilla. 411.


Gardeni. Fothergilla. 
alnifolia Fothergilla. §. alnus-leaved. BM.

680. CALLIGONONUM. Cal. 5-leaved. Petals 0. Styles 0. Fruit hispid, 1-seeded. Fine join’d.


THREE FEMALES.

(Trigynia.)

681. DELPHINIUM. Cor. o. Petals 5. Nectary two-cleft, horn’d on the back. Siliques 3 or 1. Larkspur.

* One-capsuled.

Consolida. 1. D. nectaries one-leaved, stem subdivided
Ajacis. 2. D. nectaries one-leaved, stem simple. of Ajax.
aconiti. D. nectaries one-leaved four-tooth’d before, capsules solitary, branchlets one-flower’d. aconite,

** Three-capsuled.

ambiguum. 3. D. nectaries one-leaved, corols six-petal’d, leaves many-parted. ambiguous.
peregrinum. 4. D. nectaries two-leaved, corols nine-petal’d, leaves many-parted obtuse. foreign.
grandiflorum. 5. D. nectaries two-leaved: the lips intire, flowers sub-solitary, leaves compound linear-many-parted. great-flower’d.

F f f 2. 6. 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.

puniceum. 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.

Lycoctonum. 1. A. leaves handed many-cleft villous.
Napellus. 4. A. divisions of the leaves linear broader above plough'd
with a line. monkhood.

pyrenaicum. 5. A. leaves many-parted: the divisions linear incumbent
ragged. pyrenican.

** 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.

R.M. uncinatum. 2. A. flowers mostly five-female, leaves many-lobed,
helmet of the corols extended longer. hook'd.

FOUR FEMALES.

(Tetracyginia.)

683. TETRACERA. Cal. 6-leaved. Capsules 4.

volubilis. 1. Tetracera. FOUR-SMOR.
twining.
POLYANDRIA. TETRAGYNIA. Caryocar. 413.


nuciferum. CARYOCAR. nut-bearing.


FIVE FEMALES.

(Pentagynia.)


viscosa. 4. A. nectaries . . stem nakedish mostly one-flower'd viscous-hairy, leaves mostly three-lobed. viscous.

vulgaris. 1. A. nectaries incurved. common. E.B.
alpina. 2. A. nectaries straight, shorter than the lanced petal. alpine. B.M.
canadensis. 3. A. nectaries straight, flaments longer than the corol. canadian.


* Five-female.

damascena. 1. N. flowers girt with a leafy involucre. damascen. B.M.

2. N.
414. MANY MALES. FIVE FEMALES. Nigella.

sativa. 2. N. pistils five-fold, capsules murex'd roundish, leaves rather hairy.
arvensis. 3. N. pistils five-fold, petals intire, capsules top-shape.

* Ten-female.

B.M. hispanica. 4. N. pistils ten-fold equalling the corol.
B.M. orientalis. 7. N. pistils ten-fold longer than the corol.

686. REAUMURIA. Cal. 6-leaved. Petals 5:
Caps. 1-cell'd, 5-valved, many-seeded.
vermiculata. Reaumaria. worm'd.

1402. BRATHYS. Cal. 5-leaved. Petals 5:
Nectary o. Caps. 1-cell'd, many-seeded. S.
juniperina. Brathys. juniper.

SIX FEMALES.

(Hexagynia)


B.M. Alisnoides. 2. S. leaves hearted. Alisna-like.
Many females.

(Polygynia.)

Capsules many-seeded, conjoin'd, replete with pulp.

indica. 1. Dillenia.

611. Ilicium. Cal. 6-leaved. Petals 27.
Capsules very numerous digested in an orb, two-valved, one-seeded.

anisatum. I. (flowers yellowish)
floridanum. 1. (flowers red)

Seeds imbricated in a strobile.
Lyre-Tree. Tulip-borne.

Tulipifera. 1. L. leaves lobed.
Lilifera. 2. L. leaves lanced.

Caps. 2-valved, imbricated. Seeds berried, pendulous.

grandiflora. 1. M. leaves lanced perennial.
glauc.a. 2. M. leaves egg-oblong sea-green underneath.
acuminata. 4. M. leaves egg-oblong pointed.
tripetala. 3. M. leaves lanced, the exterior petals depending.

691. Mag-
691. MICHELIA. Cal. 3-leaved. Petals 15. Berries many, 4-seeded.

Champaca. 1. M. leaves lanced.
Tschampaca. 2. M. leaves lance-egg'd.

692. UVARIA. Cal. 3-leaved. Petals 6. Berries numerous, pendulous, 4-seeded.

zelanica. 1. U. leaves most intire.
javanica. 2. U. leaves saw'd.


muricata. 1. A. leaves oval-lanced smooth glossy flat, pomae mu-
rexd.
uguadina. 2. A. leaves oblong somewhat waved, fruit rather ob-
tusely scaled.
reticulata. 3. A. leaves lanced, fruit egg'd area-netted.
palustris. 4. A. leaves oblong obtusely smooth, fruit area-like.
glabra. 5. A. leaves lance-egg'd, fruit cone-like smooth.
triloba. 6. A. leaves lanced, fruit three-cleft.
asatica. 7. A. leaves lanced smooth glossy lined.
africana. 8. A. leaves lanced pubescent.
baphaetala. A. flowers fix-petal'd. S.

694. ANEMONE. Cal. 0 Petals 6-9. Seeds very numerous. Windflower.

* Hepaticas with flower subcalyced.

B.M. Hepatica. 1. A. leaves three-lobed most intire.

** Pulatillas with peduncle involucred, seeds tail'd.

B.M. patens. 3. A. peduncle involucred, leaves finger'd many-cleft.

Sulpurea. 23. A. peduncle involucred, leaves triple-feather’d hairy flat acutely gaff’d, feeds tail’d. 

Baldensis. 22. A. leaves thrice-three’d flaggy.

Vernalis. 4. A. peduncle involucred, leaves feather’d, flower erect.

Pulsaflilla. 5. A. peduncle involucred, petals straight, leaves twice-feather’d.

Pratenis. 6. A. peduncle involucred, petals reflected at top, leaves twice-feather’d.

Alpina. 7. A. stem-leaves threefold conjoin’d superdecompound many-cleft, feeds flaggy tail’d.

*** Anemones with stem leafy, seeds tail’d.

Coronaria. 8. A. radical leaves three-decompound, involucre leafy.

Bortensis. 9. A. leaves finger’d, feeds woolly.

Palmata. 2. A. leaves hearted sublobed, calyx fix-leaved colour’d.

*** Anemonoides with flower naked, Seeds tail’d.

Fibirica. 18. A. stem one-flower’d, involucre leafy obtuse.

Fiberosa. 10. A. peduncle naked, seeds roundish flaggy awnless.

Virginia. 11. A. peduncles alternate most long, fruit cylindric, seeds flaggy awnless.

Decapetala. 23. A. stem one-flower’d, flowers ten-petal’d, leaves three’d lobed radical.

Pensylvanica. A. stem two-fork’d, leaves sessile stem-clasping: the lowest threefold three-cleft gaff’d.

Dichotoma. 12. A. stem two-fork’d, leaves sessile all opposite stem-clasping three-cleft gaff’d.

Trifolia. 13. A. leaves three’d egg’d intire saw’d, stem one-flower’d.

Quinquesfolia. 14. A. leaves fived oval saw’d, stem one-flower’d.

Nemorosa. 15. A. seeds acute, leaflets gaff’d, stem one-flower’d.

Appennina. 16. A. seeds acute, leaflets gaff’d, petals lanced numerous.

Ranunculoid. 17. A. seeds acute, leaflets gaff’d, petals roundish, stem mostly one-flower’d.

Narcissiflora. 19. A. flowers umbel’d, seeds oval - depref’d naked.

*** Anemones with stem leafy, seeds tail’d.

B.M.
418. MANY MALES. MANY FEMALES. Anemone.

*fasciculata* 20. A. flowers umbel’d collected, leaves many-cleft.


695. ATRAGENE. Cal. 4-leaved. Petals 12. Seeds tail’d.

*B.M.* alpina. 2. A. leaves thrice-three’d saw’d, the exterior petals fourfold.

*B.M.* capensis. 3. A. leaves three’d : leaflets gash’d tooth’d, the exterior petals fivefold.

zeylanica. i. A. tendrils two-leaved.

tenuifolia. A. leaves twice-feather’d : featherlets linear intire. *S.*


* Climbing. flower’d Joy.*

*B.M.* cirrhosa. C. leaves simple, stem climbing with opposite tendrils, peduncles one-flower’d lateral. *tendril’d.*

*B.M.* Viticella. i. C. leaves compound and decompound : leaflets egg’d sublobed most intire.

Viorna. 2. C. leaves compound and decompound : some leaflets three-cleft.

*B.M.* crispa. 3. C. leaves simple and three’d : leaflets intire or three-lobed.

orientalis. 4. C. leaves compound : leaflets gash’d angled lobed wedge-form, petals internally villous. *oriental.*

*D.B.* virginiana. 6. C. leaves three’d : leaflets hearted sublobe angled climbing, flowers two-house. *virginian.*

dioica. 5. C. leaves three’d most intire, flowers two-house. *two-house.*

*B.B.* Vitalba. 8. C. leaves feather’d : leaflets hearted climbing.

Flammula. 9. C. the inferiour 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.*

** Ereci.*
* * Erect.

**Erem**.

maritima. 10. C. leaves feather’d linear, stems simple six-corner’d.

erecta. 8. C. leaves feather’d: leaflets egg-lanced most intire, stem erect, flowers five-petal’d and four-petal’d.

integrisfolia. 9. C. leaves simple egg-lanced, flowers bowing. intire-leaved.

697. **THALICTRUM. Cal. 0. Petals 4 or 5. Seeds tailless. Meadow-rue.**

alpinum. 1. T. stem most simple nakedish, raceme simple terminal.

eætidum. 2. T. stem panicked thread-form most branchy leafy.

tuberosum. 3. T. flowers five-petal’d, root tuberous.

Cornuti. 4. T. flowers five-petal’d, root fibrous. of *Cornus*.

dioicum. 5. T. flowers two-house.

minus. 6. T. leaves six-parted, flowers bowing.

fibricum. 8. T. leaves three-parted: leaflets subreflect’d sharply gash’d, flowers bowing.

purpurascens. 7. T. leaves three-parted, stem twice as high as the leaves, flowers bowing.

anguisfolium. 9. T. leaflets lance-linear most intire. narrow-leaved.

flavum. 10. T. stem leafy furrow’d, panicle manifold erect.

 simplex. 14. T. stem leafy most simple angled.

lucidum. 11. T. stem leafy furrow’d, leaves linear fleshy.

aquilegiosum. 12. T. fruit pendulous triangular straight, stem columnar.

contortum. 13. T. fruit pendulous triangular contorted, stem somewhat two-edged.

flamencum. T. filaments of the stamens petal-form lanced. S.

styleideum. T. leaves three-part-feather’d, styles wing’d at the base. S.
698. ADONIS. Cal. 5-leaved. Petals more than five without a nectary. Seeds naked. Pheasant’s Eye.

- aestivalis: 1. A. flowers five-petal’d, fruit egg’d.
- autumnalis: 2. A. flowers eight-petal’d, fruit subcylindric.
- vernalis: 3. A. flower twelve-petal’d: fruit egg’d.
- apennina: 4. A. flowers fifteen-petal’d.
- capensis: 5. A. flowers ten-petal’d, fruit depressed, leaves thrice-three’d: leaflets saw’d hearted.

- capensis: A. leaves thrice-three’d: leaflets somewhat hearted.
- vescatoria: A. leaves thrice-three’d: leaflets saw’d smooth, flowers ten-petal’d.

699. RANUNCULUS. Cal. 5-leaved. Petals 5 with a honey-bearing pore within the claws. Seeds naked. Crowfoot, Pilewort

* Leaves naked.

- Flammula: 1. R. leaves egg-lanced petioled, stem declining.
- reptans: 2. R. leaves linear, stem creeping.
- Lingua: 3. R. leaves lanced, stem erect.

- graminicus: R. leaves lance-linear undivided, stem erect, most polished few-flower’d.
- pyrenacus: R. leaves linear undivided, stem erect, striated mostly two-flower’d.

- parnassifoli-us: 6. R. leaves somewhat egg’d nervy lined most entire petioled, flowers umbel’d.
- amplexicaulis: 7. R. leaves egg’d pointed stem-clasping, stem many-flower’d, root fascicled.

- bullatus: 8. R. leaves egg’d saw’d, scape naked one-flower’d.

- Ficaria: 9. R. leaves hearted angled petioled, stem one-flower’d.

- Thora: 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.

**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.

cassubicus. 12. R. radical leaves somewhat round-hearted notch'd; stem-leaves finger'd tooth'd; stem many-flower'd. cassubian.

auricomus. 13. R. radical leaves kidney-form notch'd gash'd: stem-leaves finger'd linear, stem many-flower'd, gold-hair'd.


fecleratus. 15. R. the inferior leaves handed; the highest ones finger'd, fruit oblong. Cost. lam. 570. baneful.

aconitifolius. 16. R. leaves all five lanced gash-saw'd. aconite-leaved.


illyricus. 17. R. leaves three'd most intire lanced. illyrian.

afaticus. 18. R. leaves three'd and thrice-three'd: leaflets three-cleft gash'd, stem branchy below. afastic.

rutefolius. 19. R. leaves superdecimound, stem most simple one-leaved one-flower'd, root tuberous. rue-leaved.


nivalis. 21. R. calyx shaggy, stem one-flower'd, radical leaves handed; stem-leaves many-parted sessile. snow'y.

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.

monteciarius. 24. R. leaves three-parted notch'd, stem simple villous nakedish one-flower'd. montpelier.

bulbosus. 25. R. calyces retroflexed, peduncles furrow'd, stem erect many-flower'd, leaves compound. bulbo.


polyanthemos. 27. R. calyces expanded, peduncles furrow'd, stem erect, leaves many-parted. many-flower'd.

acris. 28. R. calyces expanded, peduncles columnar, leaves three-part many-cleft: the highest linear. acrid.
422. MANY MALES. MANY FEMALES, Ranunculus.

lanuginosus. 29. R. calyces expanded, peduncles columnar, stem and petioles shaggy, leaves three-cleft lobed notch’d velvety. \textit{Dec. i.} 197. woolly.

d. cerophyll- 30. R. calyces reflected, peduncles furrow’d, stem erect one-flower’d : leaves compound linear many-cleft.

d. parvulus. 39. R. shaggy, leaves three-lobed gash’d, stem erect mostly one-flower’d.


d. muricatus. 32. R. seeds prickly, leaves simple lobed obtuse smooth, stem diffuse. murex’d.

d. parvisflorus. 33. R. seeds murex’d, leaves simple jagged acute shaggy, stem diffuse. small-flower’d.

d. orientalis. 34. R. seeds thorn-awl’d recurved, calyces reflected, leaves many-cleft. oriental.

d. grandiflorus. 35. R. stem erect two-leaved, leaves many-cleft: stem leaves alternate sessile. great-flower’d.

f. falcatus. 36. R. leaves thread-form branchy, scape naked one-flower’d, seeds sickled. sickled.


d. aquatilis. 28. R. the submerged leaves capillary, the emerged ones targetted. \textit{Dec. i.} 376. water.

f. pensylvanicas. R. calyces reflected, stem erect, leaves three’d three-cleft gash’d hairy underneath. \textit{Dec. i.} pensylvanian.


f. europaeus. 1. T. corols converging, nectaries the length of the stamens. \textit{Dec. i.} 193. european.

f. asiaticus. 2. T. corol expanded, nectaries longer than the stamen. asiatic.


702. **HELLEBORUS.** Cal. 0. Petals 5 or more. 

*Hyemalis.* 1. H. flower sitting on the leaf. Winter. *B.M.*
*niger.* 2. H. scape mostly two-flower'd nakedish, leaves footed. *B.M.*
*Viridis.* 3. H. stem two-cleft, branches with leaflets two-flower'd, leaves finger'd. *E.B.*
*Trifolius.* 5. H. scape one-flower'd leaves three'd three-leaved. *E.B.*


*Palustris.* 1. *Caltha.* *Marsh.* *E.B.*


*Canadensis.* 1. *Hydrastis.* *Canadian.*
1403. DRIMYS. Perianth 3-lobed. Petals 6 or 12. Germs club'd. Style 0. Berry inverse-egg'd. S.

granadensis. 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.