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A
S Y S T E M
O F
V E G E T A B L E S,
IN TWO VOLUMES.

V O L. II.

A
S Y S T E M
O F
V E G E T A B L E S,
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
L I N N E U S;
AND FROM THE
SUPPLEMENTUM PLANTARUM
OF THE PRESENT PROFESSOR
L I N N E U S.

V O L. II.

BY A BOTANICAL SOCIETY, AT LICHFIELD.

L I C H F I E L D:

PRINTED BY JOHN JACKSON, FOR LEIGH AND
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C L A S S XIV.

T W O P O W E R S.

(*Didynamia.*)

S E E D - N A K E D.

(*Gymnospermia*)

* *Calyxes nearly five-cleft.*

- | | |
|----------------|--|
| 1236 PERILLA. | Styles two! <i>Stamens</i> distant. |
| 722 LEONURUS. | <i>Anthers</i> sprinkled with bony particles. |
| 714 GLECOMA. | Pairs of <i>Anthers</i> cross'd! |
| 709 HYSSOPUS. | <i>Filaments</i> distant, straight! <i>Cor.</i> grinning. |
| 713 MENTHA. | <i>Filaments</i> distant, straight. <i>Cor.</i> subequal. |
| 712 SIDERITIS. | One <i>Stigma</i> sheathing another! |
| 711 LAVANDULA. | <i>Corol</i> resupine! |
| 706 TEUCRIUM. | Upper lip of the <i>Corol</i> none, but two-parted! |
| 705 AJUGA. | Upper lip of the <i>Corol</i> shorter than the <i>stamens</i> ! |
| 723 PHLOMIS. | Upper lip of the <i>Corol</i> shaggy! |
| 718 BETONICA. | Upper lip of the <i>Corol</i> flat, ascending, with a
cylindric tube. <i>Stamens</i> the length of
the throat. |
| | A 2 |
| | 716 LAMIUM. |

- 716 LAMIUM. Lower lip of the *Corol* with a bristly tooth on both sides.
- 717 GALEOPSIS. Lower lip of the *Corol* two-tooth'd above.
- 719 STACHYS. Lower lip of the *Corol* reflected on the sides. the deflower'd *Stamens* deflected to the sides.
- 710 NEPETA. Lower lip of the *Corol* notch'd. *Throat* with margin reflected.
- 707 SATUREJA. *Corol* with divisions subequal. *Stamens* remote.
- 720 BALLOTA. *Calyx* 10-friated. Upper lip of the *Corol* vaulted.
- 721 MARUBIUM. *Calyx* 10-friated. Upper lip of the *Corol* straight.
- 724 MOLUCCELLA. *Calyx* bell'd, ampler than the corol, with teeth thorny.
- * Some species of *Vervain*.
- ** *Calyxes two-lip'd*.
- 734 SCUTELLARIA. *Calyx* fruit-bearing lidded!
- 727 THYMUS. *Calyx* closed in the throat with hairs.
- 732 OCYUMUM. *Corol* resupine! *Filaments* twofold with a process at the base!
- 735 PRUNELLA. *Filaments* all two-fork'd at top!
- 736 CLEONIA. *Stigmas* 4!
- 733 TRICHOSTEMA. *Filaments* most long!
- 729 DRACOCEPHALUM. Throat of the *Corol* inflate-dilated!
- 726 ORIGANUM. *Strobile* collecting the calyces!
- 725 CLINOPODIUM. *Involucre* collecting the calyces!
- 708 THYMBRA. *Calyx* keel'd on both sides with a fringed line. *Style* half-two-cleft. *Cor.* lips flat.
- 731 MELITTIS. *Cal.* with a tube ampler than the corol. Upper lip of the *Corol* flat, intire. *Antbers* cross'd.
- 728 MELISSA. *Cal.* angled, parch'd, with the upper lip ascending.
- 730 HORMINUM. Four divisions of the *Corol* subequal: the fifth larger end-nick'd.
- 737 PRASIMUM. *Seeds* berried!
- 737 PHRYMA. *Seed* single!

S E E D - C O V E R ' D.

(*Angiospermia.*)* *Calyxes two-cleft.*

- 778 OEOLARIA. *Capsf.* 1-cell'd. *Cor.* bell'd, 4-cleft. *Filaments* from the divisions of the corol.
- 779 OROBANCHE. *Capsf.* 1-cell'd. *Cor.* subequal, 4-cleft. *Gland* under the base of the germ.
- 770 HEBENSTRETIA. *Capsf.* 2-seeded. *Cor.* 1-lip'd, 4-cleft. *Stamens* inserted on the lateral edge of the corol.
- 754 TORENIA. *Capsf.* 2-cell'd. *Cor.* mask'd. *Filaments* two, two-cleft.
- 793 ACANTHUS. *Capsf.* 2-cell'd. *Cor.* 1-lip'd, 3-cleft. *Anthers* villous.
- 1316 PREMNA. *Berry* 4-seeded. *Cor.* four-cleft, unequal.
- 762 CRESCENTIA. *Berry* 1-cell'd. *Cor.* bell'd with a tube. *Germ* pedicel'd. *Seeds* 2-cell'd.
- * * *Calyxes three-cleft.*
- 761 HALLERIA. *Berry* 2-cell'd. *Cor.* 4-cleft: the upper lip longer.

* * * *Calyxes four-cleft.*

- 769 SELAGO. *Seed* 1, involved in the unequal corol.
- 781 LIPPIA, *Seed* 1, two-cell'd. *Cor.* salver-form. *Cal.* compress'd.
- 743 LATHRÆA. *Capsf.* 1-cell'd. *Cor.* mask'd. *Gland* under the germ.
- 739 BARTSIA. *Capsf.* 2-cell'd. *Cor.* mask'd. *Cal.* much colour'd.
- 741 EUPHRASIA. *Capsf.* 2-cell'd. *Cor.* mask'd. *Inferiour Anthers* thorny on one side.
- 740 RHINANTHUS. *Capsf.* 2-cell'd. *Cor.* mask'd. *Capsf.* compress'd.
- 742 MELAMPYRUM. *Capsf.* 2-cell'd. *Cor.* mask'd. *Seeds* twofold, gibbous.
- 749 SCHWALBIA. *Capsf.* 2-cell'd? *Cor.* mask'd. *Cal.* the superiour divisions gradually less.

785. BAR-

- 785 BARLERIA. *Caps.* 2-cell'd. *Cor.* funnel-form. *Seeds* twofold. *Caps.* elastic.
- 767 LOESELIA. *Caps.* 3-cell'd. *Cor.* divisions one-rank'd. *Stamens* adverse to the petal.
- 763 GMELINA. *Drupe* with nucleus two-cell'd. *Cor.* two-lip'd. *Anthers* twofold thicker two-parted.
- 765 LANTANA. *Drupe* with nucleus 2-cell'd. *Cor.* falver-form. *Stigma* hook'd.
- * * * * *Calyxes* five-cleft.
- 1237 AVICENNIA. *Caps.* 1-cell'd, leathery. *Cor.* with the upper lip squared. *Seed* single.
- 745 TOZZIA. *Caps.* 1-cell'd. *Cor.* falver-form. *Seed* single.
- 776 LIMOSELLA. *Caps.* 1-cell'd. *Cor.* bell'd regular. *Seeds* most numerous.
- 773 BROVALLIA. *Caps.* 1-cell'd. *Cor.* falver-form. *Seeds* numerous.
- 1315 LINDERNIA. *Caps.* 1-cell'd. *Cor.* grinning. The inferiour *Stamens* with a terminal tooth.
- 1265 VANDELLIA. *Caps.* 1-cell'd. *Cor.* grinning. The inferiour *Stamens* growing from the disk of the lip.
- 749 GESNERIA. *Caps.* 2-cell'd. *Cor.* above.
- 756 SCROPHULARIA. *Caps.* 2 cell'd. *Cor.* resupine. *Lip* with the intermediate segment internal.
- 777 STEMODIA. *Caps.* 2-cell'd. *Cor.* unequal. *Stamens* two-cleft. *Anthers* double.
- 757 CELSIA. *Caps.* 2-cell'd. *Cor.* wheel'd. *Filaments* woolly.
- 775 SIBTHORPIA. *Caps.* 2-cell'd. *Cor.* wheel'd. *Stamens* 2 and 2 approximated.
- 768 CAPRARIA. *Caps.* 2-cell'd. *Cor.* bell'd. *Stigma* hearted two-valved.
- 758 DIGITALIS. *Caps.* 2-cell'd. *Cor.* bell'd bellied underneath. *Stamens* declining.
- 759 BIGNONIA. *Caps.* 2-cell'd. *Cor.* bell'd. *Seeds* wing'd imbricated.
- 784 RUELLIA. *Caps.* 2-cell'd. *Cor.* bell'd. *Stamens* approximated by pairs.
- 772 BUCHNERIA. *Caps.* 2-cell'd. *Cor.* falver-form. Divisions of the *Border* inverse-hearted equal.
- 771 ERINUS. *Caps.* 2-cell'd. *Cor.* two-lip'd: the upper lip most short reflected.

- 764 PETRÆA. *Capsf.* 2-cell'd. *Cor.* wheel'd, less than the colour'd calyx. *Seeds* solitary.
- 1264 MANULEA. *Capsf.* 2-cell'd. *Cor.* border 5-parted: the lowest division deeper reflected.
- 750 ANTIRRHINUM. *Capsf.* 2-cell'd. *Cor.* mask'd beneath a prominent *nectary*.
- 792 COLUMNEA. *Capsf.* 2-cell'd. *Cor.* grinning gibbous above the base. *Anthers* connected.
- 747 GERARDIA. *Capsf.* 2-cell'd. *Cor.* salver-form unequal. *Capsf.* gaping at the base. *Seed* 1.
- 746 PEDICULARIS. *Capsf.* 2-cell'd. *Cor.* mask'd. *Seeds* coated.
- 783 MIMULUS. *Capsf.* 2-cell'd. *Cor.* mask'd. *Cal.* prismatic.
- 780 DODARTIA. *Capsf.* 2-cell'd. *Cor.* mask'd: the upper lip short ascending.
- 748 CHELONE. *Capsf.* 2-cell'd. *Cor.* mask'd, inflated, closed. *Rudiments* of a fifth Filament.
- 782 SESAMUM. *Capsf.* 2-cell'd. *Cor.* bell'd unequal. *Rudiment* of a fifth filament.
- 753 MARTYNIA. *Capsf.* 5-cell'd. *Cor.* bell'd. *Rudiment* of a fifth filament.
- 752 CRANIOLARIA. *Capsf.* 5-cell'd. *Cor.* salver-form: *Tube* thread-form, most long.
- 794 PEDALIUM. *Nut* two-cell'd.
- 774 LINNÆA. *Berry* 3-cell'd dry. *Cor.* bell'd. *Cal.* above.
- 791 BONTIA. *Berry* 1-seeded. *Cor.* lower lip revolute. *Seed* plaited.
- 766 CORNUTIA. *Berry* 1-seeded. *Cor.* grinning. *Style* most long.
- 789 CLERODENDRON. *Berry* 1-seeded. *Cor.* grinning: tube narrow. *Stamens* most long.
- 788 VOLKAMERIA. *Berry* 2-seeded. *Cor.* with divisions one-rank'd. *Seed* two-cell'd.
- 760 CITHAREXYLON. *Berry* 2-seeded. *Cor.* subequal. *Seeds* 2-cell'd.
- 787 OVIEDA. *Berry* 2-seeded. *Cor.* most long: border 3-cleft. *Cal.* fruit-bearing bell'd.
- 790 VITEX. *Berry* 4-seeded. *Cor.* grinning: the upper lip three-cleft.
- 786 DURANTA. *Berry* 4-seeded. *Cor.* somewhat grinning with a curved tube. *Seeds* two-cell'd.
- 755 BESLERIA. *Berry* many-seeded. *Cor.* unequal. *Berry* 1-cell'd.

* * * * * *Calyxes many-cleft.*

- 1317 HYOBANCHE. *Caps.* 2-cell'd. *Cor.* 1-lip'd. *Cal.* seven-leaved.
 751 CYMBARIA. *Caps.* 2-cell'd. *Cor.* grinning. *Cal.* 10-tooth'd.

* * * * * *Many-petal'd.*

- 795 MELIANTHUS. *Caps.* 4-cell'd, 4-lobed. *Cor.* 5-petal constituting the lower lip.

From the Supplement.

- 1405 HEMIMERIS. *Caps.* 2-cell'd : one cell more gibbous. *Cor.* wheel'd : *one division* greater, inverse-hearted.
 1406 MILLINGTONIA. *Fruit* *Cor.* most long : *border* four-cleft. *Margin* of the calyx reflected.
 1407 THUNBERGIA. *Cal.* double : the *exteriour* one two-leaved : the *interiour* one many-parted.
 1408 CASTILLEJA. *Perianth* one-leaved, tubular gaping longitudinally. *Cor.* grinning, *Caps.* two-cell'd.
 1409 AMASONIA. *Cor.* tubular : *Border* small, five-cleft. *Nut* egg'd, one-cell'd.

S E E D - N A K E D.

(*Gymnospermia.*)

705. **AJUGA.** Upper lip of the *Corol* most small.
Stamens longer than the upper lip. *Bugle.*

- | | | |
|---------------------|---|-------------------|
| <i>orientalis.</i> | 1. A. flowers resupine. | <i>oriental.</i> |
| <i>pyramidalis.</i> | 2. A. four corner-pyramidal villous, radical leaves most large. | <i>pyramidal.</i> |
| <i>alpina.</i> | 5. A. stem simple, stem-leaves equalling the radical ones. | <i>alpine.</i> |
| <i>genevensis.</i> | 3. A. leaves downy linear, calyxes shaggy. | <i>geneva.</i> |
| <i>reptans.</i> | 4. A. smooth, stoles creeping. | <i>creeping.</i> |

706. **TEUCRIUM.** Upper lip of the *Corol* (none)
 2-parted beyond the base, divaricated
 where the stamens are. *Germander.*

- | | | |
|-----------------------|---|----------------------|
| <i>campanulatum.</i> | 1. T. leaves many-cleft, flowers lateral solitary. | <i>bell'd.</i> |
| <i>orientale.</i> | 2. T. leaves many-cleft, flowers racemed. | <i>oriental.</i> |
| <i>Botrys.</i> | 3. T. leaves many-cleft, flowers lateral threefold peduncled. | |
| <i>Chamæpithys.</i> | 6. T. leaves three-cleft linear most intire, flowers sessile lateral solitary, stem diffuse. | |
| <i>nissolianum.</i> | 4. T. leaves three-cleft and five-cleft thread-form, flowers peduncled solitary opposite, stem decumbent. | <i>Nissole's.</i> |
| <i>pseudo-pithys.</i> | 5. T. leaves three-parted three-cleft linear, flowers racemed, stem shaggy. | |
| <i>Iva.</i> | 7. T. leaves mostly three-piked linear, flowers sessile lateral solitary. | |
| <i>mauritanum.</i> | 8. T. leaves feather-many-cleft, stem most simple erect, bractes awl-handed. | <i>mauritanian.</i> |
| <i>fruticans.</i> | 9. T. leaves most intire elliptic downy underneath, flowers lateral solitary peduncled. | <i>shrubby.</i> |
| <i>latifolium.</i> | 10. T. leaves most intire rhombic acute villous downy underneath. | <i>broad-leaved.</i> |

432. TWO POWERS. SEED-NAKED. *Teucrium*.

- creticum*. 11. T. leaves lance-linear most intire, flowers racemed threefold. *cretan.*
- Marum*. 12. T. leaves most intire egg'd, acute petioled : downy underneath, flowers racemed one-rank'd.
- multiflorum*. 13. T. leaves egg'd : smooth above saw-tooth'd, flowers racemed : verticils six-flower'd. *many-flower'd.*
- Laxmanni*. T. leaves egg-oblong most intire sessile, flowers solitary sessile. *of Laxman.*
- sibiricum*. 14. T. leaves saw'd egg'd, peduncles solitary three-flower'd : the intermediate one sessile, bractes linear-lanced. *siberian.*
- salicifolium*. 34. T. leaves lance-elliptic obtusifish most intire, calyxes four-cleft solitary. *willow-leaved.*
- asiaticum*. 33. T. leaves lanced scollop-saw'd right-angled at the base. flowers solitary. *asiatic.*
- cubense*. 32. T. leaves wedged saw-gash'd smooth attenuated into a petiole, flowers solitary peduncled. *cuba.*
- Arduini*. 35. T. leaves egg'd saw'd, raceme spiked columnar sessile terminal. *of Arduin.*
- canadensis*. 15. T. leaves egg-lanced saw'd, stem erect, raceme columnar terminal, verticils six-leaved. *canadian.*
- virginicum*. 17. T. leaves egg'd unequally saw'd, racemes terminal. *virginian.*
- hircanicum*. 16. T. leaves heart-oblong obtuse, stem cross-arm'd two-fork'd, spikes most long terminal sessile spiral. *hircanian.*
- Scorodonia*. 18. T. leaves hearted saw'd petioled, racemes lateral one-rank'd, stem erect. *Wood Sage.*
- massiliense*. 19. T. leaves egg'd wrinkled gash-notch'd hoary, stems erect, racemes straight one-rank'd. *massilian.*
- Scordium*. 20. T. leaves oblong sessile tooth-saw'd. flowers double axillary peduncled, stem diffuse.
- Chamædryas*. 22. T. leaves wedge-form-egg'd gash'd notch'd petioled, flowers threefold, stems procumbent somewhat hairy. *Germander.*
- lucidum*. 21. T. leaves egg'd acutely gash-saw'd smooth, flowers axillary threefold, stem erect polish'd. *lucid.*
- flavum*. 23. T. leaves hearted obtusely saw'd : bractes most intire concave, stem shrubby, flowers racemed. *yellow.*
- montanum*. 24. T. corymbe terminal : leaves lanced most intire downy underneath. *mountain.*
- supinum*. 25. T. corymbe terminal, leaves linear : revolute in the margin. *supine.*

26. T.

- pyrenaicum*. 26. *T.* corymbe terminal, leaves wedge-form orbicular notch'd. *pyrean.*
Polium. 27. *T.* spikes roundish, leaves oblong obtuse notch'd downy sessile, stem prostrate.
capitatum. 29. *T.* heads peduncled, leaves lanced notch'd downy, stem erect. *beaded.*
pumilum. 28. *T.* heads terminal sessile, leaves linear flat four ways crowded, stem procumbent downy. *dwarf.*
spinosum. 30. *T.* thorny, calyxes with the upper lip egg'd, corols resupine, peduncles double. *thorny.*

707. SATUREJA. Divisions of the *Corol* subequal. *Stamens* distant. *Savory*.

- juliana*. 2. *S.* verticils level-top'd, leaves linear-lanced.
Thymbra. 3. *S.* flowers verticil'd hispid, leaves oblong acute.
græca. 4. *S.* peduncles mostly three-flower'd lateral involucels shorter than the calyx. *grecian.*
montana. 5. *S.* peduncles lateral solitary, flowers fascicled level-top'd, leaves dagger'd linear lanced. *mountain.*
hortensis. 6. *S.* peduncles two-flower'd. *garden.*
capitata. 7. *S.* flowers spiked, leaves keel'd dotted fringed. *beaded.*
spinosa. 8. *S.* branches thorny, leaves hispid. *thorny.*
viminea. 9. *S.* peduncles axillary three-flower'd, involucre linear, leaves lance-egg'd most intire. *twiggy.*

708. THYMBRA. *Calyx* subcylindric, two-lip'd, plough'd on both sides with a villous line. *Style* half-two-cleft.

- spicata*. 1. *T.* flowers spiked. *spiked.*
verticillata. 2. *T.* flowers verticil'd. *verticil'd.*

709. HYSSOPUS. Lower lip of the *Corol* with the intermediate small divisions notch'd. *Stamens* straight distant. *Hyssop*.

- officinalis*. 1. *H.* spikes one-rank'd, leaves lanced *officinal.*
Lophanthus. 2. *H.* corols resupine, inferiour stamens shorter than the corol, leaves hearted.
Nepetoides. 3. *H.* stem acute quadrangular. *Nepeta-like.*

710. *NEPETA*. Under lip of the *Corol* with the intermediate small divisions notch'd: throat with margin reflected. *Stamens* approximated. *Nep.*

- Cataria*. 1. N. flowers spiked: verticils subpedicel'd, leaves petioled hearted tooth-saw'd. *Cat-mint.*
- pannonica*. 2. N. flowers panicled, leaves hearted petioled obscurely notch'd. *pannonian.*
- vislacea*. 3. N. verticils peduncled corymbed, leaves petioled heart-oblong tooth'd. *violet.*
- ucranica*. 5. N. flowers panicled, leaves lanced saw'd sessile naked. *ukranian.*
- Nepetella*. 4. N. flowers racemed: racemelets five-flower'd, leaves heart-lanced tooth'd downy.
- nuda*. 6. N. flowers with racemes verticil'd naked, leaves heart-oblong sessile saw'd. *naked.*
- hirsuta*. 7. N. flowers sessile verticil-spiked, verticils involved in down. *shaggy.*
- Italica*. 8. N. flowers sessile verticil-spiked, bractes lanced the length of the calyx, leaves petioled, *Italian.*
- tuberosa*. 10. N. spikes sessile terminal, bractes egg'd colour'd, the highest leaves sessile. *tuberous.*
- Scordotis*. 9. N. spikes terminal sessile: bractes somewhat hearted villous, leaves hearted obtuse.
- virginica*. 11. N. heads terminal, stamens longer than the flower, leaves lanced. *virginian.*
- malabarica*. N. spike verticil'd with bractes thread-form, leaves lanced most intire below. *malabar.*
- indica*. 12. N. upper lip of the corols most intire most short. *indian.*
- multifida*. 13. N. flowers spiked, leaves feather-cleft most intire. *many-cleft.*
- pcclinata*. 14. N. flowers spiked one-rank'd, leaves hearted naked, stem shrubby, corols most small. *comb.*
- lavandulacea*. N. leaves egg'd gash-saw'd lined, spike compact. *S. lavender.*
- multifida*. N. leaves twice-feather'd linear, flowers spiked. *S. many-cleft.*
- Amboinica*. N. leaves hearted obtuse notch'd, bractes egg'd. *S. Amboina.*

711. **LAVANDULA.** *Calyx* egg'd, somewhat tooth'd, supported by a bracte. *Corol* refupine. *Stamens* within the tube. *Lavender*.

- | | | |
|-------------------|--|--------------------|
| <i>Spica.</i> | 1. L. leaves lanced intire, spikes naked. | <i>Spiked.</i> |
| <i>multifida.</i> | 2. L. leaves twice-feather-cleft. | <i>many-cleft.</i> |
| <i>dentata.</i> | 3. L. leaves feather-tooth'd, spikes tufted. | <i>tooth'd.</i> |
| <i>Stoechas.</i> | 4. L. leaves lanced-linear most intire, spikes tufted. | |
| <i>carnosa.</i> | L. leaves hearted notch'd most smooth fleshy. | <i>S. fleshy.</i> |

712. **SIDERITIS.** *Stamens* within the tube of the corol. *Stigma* very short involving another. *Iron-wort*.

- | | | |
|----------------------|---|-----------------------|
| <i>canariensis.</i> | 1. S. shrubby villous, leaves heart-oblong acute petioled, spikes verticil'd nodding before floescence, branches divaricated. | <i>canary.</i> |
| <i>cretica.</i> | 2. S. shrubby downy, leaves heart-oblong obtuse petioled, branches divaricated, spikes verticil'd. | <i>cretan.</i> |
| <i>syriaca.</i> | 3. S. shrubby down-woolly, leaves lanced most intire, flowers verticil'd. | <i>syrian.</i> |
| <i>perfoliata.</i> | 4. S. herbaceous hispid-hairy, superiour leaves stem-clasping. | <i>leaf-pierced.</i> |
| <i>montana.</i> | 5. S. herbaceous bracteless, calyxes larger than the corol thorny: the upper lip three-cleft. | <i>mountain.</i> |
| <i>romana.</i> | 6. S. herbaceous decumbent bracteless, calyxes thorny: the upper lip egg'd. | <i>roman.</i> |
| <i>incana.</i> | 7. S. shrubbyish downy, leaves lance-linear most intire, flowers and bractes tooth'd. | <i>hoary.</i> |
| <i>byssopifolia.</i> | 8. S. leaves lanced smooth most intire, bractes hearted tooth-thorny, calyxes equal. | <i>byssop-leaved.</i> |
| <i>scordioides.</i> | 9. S. leaves lanced somewhat tooth'd smooth above, bractes egg'd tooth-thorny, calyxes equal. | <i>scordium-like.</i> |
| <i>hirsuta.</i> | 10. S. leaves lanced obtuse tooth'd hairy, bractes tooth-thorny, stems shaggy decumbent. | <i>shaggy.</i> |
| <i>lanata.</i> | 11. S. leaves hearted obtuse villous, calyxes awnless woolly, spike oblong, stem erect. | <i>woolly.</i> |

713. MENTHA. *Corol* subequal, 4-cleft: the broader division end-nick'd. *Stamens* erect distant. *Mint*.

- Auricularia*. 16. M. spikes oblong, leaves oblong saw'd hairy sessile, stamens longer than the corol. *Auricularia*.
- sylvestris*. 1. M. spikes oblong, leaves oblong downy saw'd sessile, stamens longer than the corol. *wood*.
- viridis*. 2. M. spikes oblong, leaves lanced naked saw'd sessile, stamens longer than the corol. *green*.
- rotundifolia*. 3. M. spikes oblong, leaves roundish wrinkled notch'd sessile. *round-leaved*.
- crispa*. 4. M. flowers headed, leaves hearted tooth'd waved sessile, stamens equalling the corol. *cur'd*.
- hirsuta*. 15. M. flowers headed, leaves egg'd saw'd subsessile pubescent, stamens longer than the corol. *shaggy*.
- aquatica*. 5. M. flowers headed, leaves egg'd saw'd petioled, stamens longer than the corol. *aquatic*.
- piperita*. 6. M. flowers headed, leaves egg'd petioled, stamens shorter than the corol. *pepper*.
- sativa*. 7. M. flowers verticil'd, leaves egg'd acutish saw'd, stamens longer than the corol. *cultivated*.
- gentilis*. 8. M. flowers verticil'd, leaves egg'd acute saw'd, stamens shorter than the corol. *gentile*.
- arvensis*. 9. M. flowers verticil'd, leaves egg'd acute saw'd, stamens equalling the corol. *field*.
- exigua*. 10. M. flowers verticil'd, leaves lance-egg'd smooth acute most intire. *small*.
- canadensis*. 11. M. flowers verticil'd, leaves lanced saw'd petioled hairy, stamens equalling the corol. *canadian*.
- Pulegium*. 12. M. flowers verticil'd, leaves egg'd obtuse somewhat notch'd, stems rather columnar creeping, stamens longer than the corol. *Pennyroyal*.
- cervina*. 13. M. flowers verticil'd, bractes handed, leaves linear, stamens longer than the corol. *hart*.
- canariensis*. 14. M. flowers headed axillary two-fork'd, leaves egg'd notch'd, stem arboresecent, stamens shorter than the corol. *canary*.
- perilloides*. M. racemes one-rank'd lateral. *perilla-like*.
- plumosa*. M. stem shrubby, leaves egg'd petioled saw'd white-downy underneath, panicles two-fork'd terminal. S. *feathery*.

1236. PERILLA. The highest division of the
Calyx the shortest. *Stamens* distant.
Styles two connected.

ocymoides. I. PERILLA. *ocymum-like.*

714. GLECOMA. Each pair of *Anthems* converging
in form of a cross. *Calyx* 5-cleft.
Gill.

hederacea. I. G. leaves kidney-form notch'd. *ivy.*

716. LAMIUM. Upper lip of the corol intire,
vaulted; lower lip 2-lobed; throat
tooth'd on both sides on the margin.
Archangel.

orvala. I. L. leaves hearted unequally and sharply saw'd, corols
with throat inflated, calyces colour'd.

lævigatum. 3. L. leaves hearted wrinkled, stem polish'd, calyces
smooth the length of the tube of the corol.

garganicum. 2. L. hearted pubescent, corols with throat inflated:
tube straight with a double tooth on each side:
upper lip four-tooth'd, expanding, not com-
press'd. *garganic.*

maculatum. 4. L. leaves hearted pointed, verticils ten-flower'd.
spotted.

album. 5. L. leaves hearted pointed saw'd petioled, verticils
twenty-flower'd. *white.*

pupureum. 6. L. leaves hearted obtuse petioled. *purple.*

amplexicaule. 7. L. floral leaves sessile stem-clasping obtuse. *stem-
clasping.*

multifidum. 8. L. leaves many-parted. *many-parted.*

438. TWO POWERS. SEED-NAKED. Galeopsis.

717. GALEOPSIS. Upper lip of the *Corol* somewhat notch'd, vaulted; lower lip 2-tooth'd above.

Ladanum. 1. G. stem-spaces between the knots equal: verticils all remote; calyxes inert.

Tetrahit. 2. G. stem-spaces between the knots thicken'd above, the highest verticils somewhat contiguous, calyxes rather pungent.

Galeobdolon. 4. G. verticils six-flower'd, with involucre four-leaved.

718. BETONICA. *Cal.* awn'd. Upper lip of the *Corol* ascending, flattish; tube cylindrical. *Betony.*

officinalis. 1. B. spike interrupted, corols with the intermediate division of the lip end-nick'd. *officinal.*

orientalis. 2. B. spike intire, corols with the intermediate division of the lip most intire. *oriental.*

alopeuros. 3. B. spike leafy at the base, corols with helmet two-cleft. *foxtail.*

hirsuta. B. spike leafy at the base, corols with helmet intire, *shaggy.*

heraclea. 4. B. spike with calyxes woolly: teeth thread-form, leaves lanced naked. *herculean.*

719. STACHYS. Upper lip of the corol vaulted; lower lip reflected on the sides: the intermediate division greater end-nick'd. *Stamens* deflower'd reflected towards the sides.

sylvatica. 1. S. verticils six-flower'd, leaves hearted petioled. *wood.*

palustris. 2. S. verticils mostly six-flower'd, leaves linear-lanced half-stem-clasping sessile. *marsh.*

alpina. 3. S. verticils many-flower'd, sawings of the leaves gristly at top, corols with lip flat. *alpine.*

germanica. 4. S. verticils many-flower'd: sawings of the leaves imbricated, stem woolly. *german.*

5. S.

- cretica.* 5. S. verticils thirty-flower'd, calyxes pungent, stem shaggy. *cretan.*
- glutinosa.* 6. S. branches most branchy: leaves lanced smooth. *glutinous.*
- spinosa.* 7. S. branchlets terminating with a thorn. *thorny.*
- orientalis.* 8. S. leaves downy egg-lanced: floral leaves shorter than the verticil. *oriental.*
- palaestina.* 12. S. flowers subspiked, leaves lanced sessile downy wrinkled most intire, calyxes awnless. *palestine.*
- maritima.* 13. S. leaves hearted obtuse downy notch'd, bractes oblong most intire. *sea.*
- aethiopica.* 14. S. verticils two-flower'd. *ethiopian.*
- hirta.* 10. S. verticils six-flower'd, stems prostrate, corols with the upper lip two-cleft divaricated reflected. *shaggy.*
- recta.* 15. S. verticils subspiked, leaves heart-elliptic notch'd rugged, stems ascending. *straight.*
- annua.* 9. S. verticils six-flower'd, leaves egg-lanced three-nerved polish'd petioled, stem erect. *annual.*
- arvensis.* 11. S. verticils six-flower'd, leaves obtuse nakedish, corols the length of the calyx, stem feeble. *field.*

720. **BALLOTA.** *Cal.* falver-form, 5-tooth'd, 10-striated. Upper lip of the *Corol* notch'd concave.

- nigra.* 1. B. leaves hearted undivided saw'd, calyxes pointed. *black.*
- alba.* 2. B. leaves hearted undivided saw'd, calyxes somewhat lop'd. *white.*
- lanata.* 3. B. leaves handed tooth'd, stem woolly. *woolly.*
- suaevolens.* 4. B. leaves hearted, spikes leafy, calyxes lop'd: awns linear. *sweet-smelling.*
- disticha.* 5. B. verticils halved two-parted semispiked. *two-rank'd.*

721. **MARRUBIUM.** *Cal.* falver-form, rigid, 10-striated. Upper lip of the *Corol* 2-cleft, linear, straight. *Horehound,*

* *With calyxes 5-tooth'd.*

- Allyson.* 1. M. leaves wedge-form five-tooth'd plaited, verticils destitute of an involucre.

440. TWO POWEES. SEED-NAKED. *Murrubium*.

- peregrinum*. 2. M. leaves egg-lanced saw'd, toothlets of the calyx
bristly. *foreign*.
- candidissimum*. 3. M. leaves somewhat egg'd woolly end-nick-notch'd
above, calyx-toothlets awl'd. *most-white*.
- supinum*. 4. M. calyx-teeth bristly straight villous. *supine*.

* * *With Calyxes 10-tooth'd*.

- vulgare*. 5. M. calyx-tooth bristly hook'd. *common*.
- africanum*. 6. M. leaves hearted roundish end-nick-notch'd. *african*.
- crispum*. 10. M. leaves hearted roundish somewhat tooth-notch'd
calyxes ten-tooth'd awnless. *curl'd*.
- hispanicum*. 7. M. borders of the calyxes expanding : toothlets acute.
spanish.
- pseudo dictamnus*. 8. M. borders of the calyxes flat villous, leaves hearted
concave, stem shrubby. *false-fraxinella*.
- acetabulosum*. 9. M. borders of the calyxes longer than the tube mem-
branous : the greater angles rounded.

722. LEONURUS. *Anthers* sprinkled with glossy
dots. *Lion's-Tail*.

- Cardiaca*. 1. L. stem-leaves lanced three-lobed. *Cardiac*.
- Marubiastrum*. 3. L. leaves egg'd and lanced saw'd, calyxes sessile
thorny.
- tataricus*. 4. L. leaves three-parted jagg'd, calyxes villous. *tartarian*.
- sibiricus*. 5. L. leaves three-parted many-cleft linear obtusifish.
siberian.

723. PHLOMIS. *Cal.* angular. Upper lip of the
Corol incumbent, compress'd, villous.

- fruticosa*. 1. P. leaves roundish downy notch'd, involucres lanced,
stem shrubby. *shrubby*.
- purpurea*. 2. P. involucres linear obtuse shorter than the calyx,
leaves hearted oblong downy, stem shrubbyish.
purple.
- Nissolii*. 3. P. leaves radical heart-arrow'd downy on both sides
villous. *of Nissol*.
- Lychnitis*. 4. P. leaves lanced downy : floral leaves egg'd, involucres
bristly woolly. *Lychnis*.

5. P.

- laciniata*. 5. P. leaves alternately feather'd: leaflets jagg'd, calyxes woolly. *jagg'd.*
- famia*. 6. P. leaves egg'd downy underneath, involucre awl'd upright three-parted. *famian.*
- Herba venti*. 7. P. involucre bristly hispid, leaves egg-oblong rugged, stem herbaceous. *Herb of the wind.*
- tuberosa*. 8. P. involucre hispid awl'd, leaves hearted rugged, stem herbaceous. *tuberos.*
- zeilanica*. 9. P. leaves lanced somewhat saw'd, heads terminal, calyxes eight-tooth'd. *ceylon.*
- indica*. 10. P. involucre linear, calyxes one-lip'd oblique, leaves egg'd hairy. *indian.*
- nepetæfolia*. 11. P. leaves hearted acute saw'd somewhat downy, calyxes seven-tooth'd awn'd: the highest one larger, stem herbaceous. *nep-leaved.*
- Leonurus*. 12. P. leaves lanced saw'd, calyxes ten-corner'd, ten-tooth'd awnless, stem shrubby. *Lion's-Tail.*
- Leonotis*. 13. P. leaves egg'd obtuse somewhat downy notch'd, calyxes seven-tooth'd awn'd, stem shrubby. *Lion's-Ear.*
- nepetifolia*. P. leaves hearted acute saw'd somewhat downy, calyxes six or eight-tooth'd: the highest and lowest tooth larger, stem herbaceous. *S. nep-leaved.*

724. MOLUCCELLA. *Cal.* bell'd, enlarged, broader than the corol, thorny.

- lævis*. 1. M. calyxes bell'd mostly five-tooth'd: toothlets equal. *polish'd.*
- spinosa*. 2. M. calyxes grinning eight-tooth'd. *thorny.*
- frutescens*. 8. M. calyxes funnel-form five-cleft, corols longer than the calyx. *strubby.*

725. CLINOPODIUM. *Involucre* many-bristled, under the verticil.

- vulgare*. 1. C. heads roundish hispid, bractes bristly. *common.*
- incanum*. 2. C. leaves downy underneath, verticils flatten'd, bractes lanced. *hoary.*
- rugosum*. 3. C. leaves wrinkled, heads axillary peduncled flatten'd radiated, *wrinkled.*

442. TWO POWERS. SEED-NAKED. *Origanum*.

726. ORIGANUM. *Strobile* four-corner'd, spiked, collecting the calyxes. *Marjorum*.

- ægyptiacum*. 1. O. leaves fleshy downy, spikes naked. *egyptian*.
Diétamnus. 2. O. inferiour leaves downy, spikes nodding. *fraxinella*.
spyleum. 3. O. leaves all smooth, spikes nodding.
creticum. 4. O. spikes aggregate long prismatic straight, bractes membranous twice as long as the calyx. *cretan*.
smyrnæum. 5. O. leaves egg'd acute saw'd, spikes collected umbel-wise level-top'd. *smyrna*.
heracleaticum. 6. O. spikes long peduncled aggregate, bractes the length of the calyxes.
vulgare. 7. O. spikes roundish panicled conglomerated, bractes longer than the calyx egg'd. *common*.
Onites. 8. O. spikes oblong aggregate shaggy, leaves hearted downy.
syriacum. 9. O. spikes long three'd peduncled villous, leaves egg'd villous. *syrian*.
Maru. 10. O. spikes shaggy, leaves egg'd downy sessile.
Majorana. 11. O. leaves egg'd obtuse, spikes roundish compact pubescent.

727. THYMUS. Throat of the two-lip'd *Calyx* closed with hairs. *Thyme*.

- Serpyllum*. 1. T. flowers headed, stems creeping, leaves flat obtuse fringed at the base. *wild*.
vulgaris. 2. T. erect, leaves revolute egg'd, flowers verticil-spiked. *common*.
Zygis. 3. T. flowers verticil-spiked, stem shrubbyish erect, leaves linear fringed at the base.
Acinos. 4. T. flowers verticil'd, peduncles one-flower'd, stems erect somewhat branchy, leaves acute saw'd.
alpinus. 5. T. verticils six-flower'd, leaves obtusifish concave somewhat saw'd. *alpine*.
Piperella. T. peduncles many-flower'd lateral, leaves egg'd obtuse smooth nervy most intire.
cephalotus. 6. T. heads imbricated large, bractes egg'd, leaves lanced.
villofus. 7. T. heads imbricated large, bractes tooth'd, leaves bristly hairy. *villous*.

- Mastichina*. 8. *T.* flowers verticil'd, calyxes woolly with teeth
bristly villous.
- Tragoriganum*. *T.* flowers verticil'd, stem shrubbyish erect, leaves
hispid pointed. *goat's marjorum*.
- virginicus*. *T.* heads terminal, stem erect, leaves lanced. *vir-*
ginian.

728. MELISSA. *Calyx* dry, flattish above : with
the upper lip nearly level-top'd. Upper
lip of the *Corol* somewhat vaulted, 2-
cleft; lower lip with the middle lobe
hearted. *Baulm*.

- officinalis*. 1. *M.* racemes axillary verticil'd : pedicels simple. *officinal*.
- grandiflora*. 2. *M.* peduncles axillary two-fork'd the length of the
flowers. *great-flower'd*.
- Calamintha*. 3. *M.* peduncles axillary two-fork'd the length of the
leaves. *Calamint*.
- Nepeta*. 4. *M.* peduncles axillary two-fork'd longer than the
leaf : stem ascending shaggy. *Cat-mint*.
- cretica*. 5. *M.* racemes terminal, peduncles solitary most short. *cretan*.
- fruticosa*. 6. *M.* branches attenuated twiggy, leaves downy under-
neath, stem shrubby. *shrubby*.

729. DRACOCEPHALUM. Throat of the *Corol*
inflated : upper lip concave. *Dragon's*
Head.

- virginianum*. 1. *D.* flowers spiked, leaves lanced saw'd. *virginian*.
- canariense*. 2. *D.* flowers spiked, leaves compound. *canary*.
- pinnatum*. 3. *D.* flowers spiked, leaves hearted feather-
finuous. *feather'd*.
- peregrinum*. 4. *D.* flowers subspiked, stem-leaves egg-oblong gash'd,
bractes linear-lanced toothlet-thorny. *foreign*.
- austriacum*. 5. *D.* flowers spiked, leaves and bractes linear parted
thorny. *austrian*.
- Ruyschiana*. 6. *D.* flowers spiked, leaves and bractes lanced undi-
vided awnless.
- grandiflora*. 8. *D.* flowers verticil'd leaves egg'd gash-notch'd, bractes
lanced most intire. *great-flower'd*.

444. TWO POWERS. SEED-NAKED. *Dracocephalum*.

- sibiricum*. 7. D. flowers subverticil'd, pedicels two-cleft one-rank'd, leaves heart-oblong pointed naked. *siberian*.
- Moldavica*. 9. D. flowers verticil'd, bractes lanced : sawlets capillary. *Moldavian*.
- canescens*. 10. D. flowers verticil'd, bractes oblong : sawlets thorny, leaves somewhat downy. *hoary*.
- peltatum*. 11. D. flowers verticil'd, bractes orbicular saw-fringed. *targetted*.
- altajense*. D. leaves notch'd : radical leaves hearted ; stem-leaves orbicular sessile, bractes jagg'd oblong.
- nutans*. 12. D. flowers verticil'd, bractes oblong egg'd most intire, corols somewhat larger nodding. *nodding*.
- Thymiflora*. 13. D. flowers verticil'd, bractes oblong most intire, corols scarcely larger than the calyx. *Thyme-flower'd*.
- grandiflorum*. D. leaves notch'd : radical leaves hearted, stem-leaves orbicular sessile, bractes point-tooth'd. *S. great-flower'd*.

730. HORMINUM. *Calyx* bell'd : with 4 divisions subequal ; the fifth greater end-nick'd. Upper lip of the *Corol* concave. *Clary*.

- pyrenaicum*. 1. H. leaves egg'd obtuse, stem naked. *pyrenean*.

731. MELITTIS. *Calyx* ampler than the tube of the corol. Upper lip of the *Corol* flat ; under lip notch'd. *Anthers* cross'd

- Melissophyllum*. 1. MELITTIS. *Baulm-leaved*.

732. OCYMUM. *Calyx* with upper lip orbicular ; lower one four-cleft. One lip of the resupine *Corol* 4-cleft ; the other undivided. Exteriour *Filaments* emitting a Process at the base. *Basil*.

- Thyrseflorum*. 8. O. flowers panicle-fascicled, stem most branchy. *Thyrse-leaved*.
- monachorum*. 9. O. stamens toothless : the alternate ones bearded at the base. *monk's*.
2. O.

- gratissimum*. 2. O. stem shrubbyish, leaves lance-egg'd, racemes columnar. *most-grateful.*
- album*. 10. O. leaves egg'd obtuse: verticils of the racemes approximated: the mature ones four-corner'd, corols notch'd. *white.*
- Basilicum*. 3. O. leaves egg'd smooth, calyxes fringed.
- minimum*. 4. O. leaves egg'd most intire. *leaf.*
- sanctum*. 11. O. leaves oblongish obtuse saw'd waved, stem shaggy, bractes hearted. *holy.*
- americanum*. 5. O. leaves sublanced pointed somewhat saw'd, racemes columnar, stems subherbaceous. *american.*
- tenuiflorum*. 6. O. leaves egg-oblong saw'd, bractes hearted reflected concave, spikes thread-form. *slender-leaved.*
- polystachion*. O. corols four-cleft, racemes leafless nodding at top. *many-spiked.*
- menthoides*. 7. O. leaves linear-lanced saw'd. *mint-like.*
- scutellarioides*. 8. O. corols sickled, pedicels branchy. *scutellaria-like.*
- prostratum*. O. stems prostrate, leaves elliptic lined. *prostrate.*
- punctatum*. O. stem columnar, leaves egg'd wrinkled, flowers spiked. S. *dotted.*
- verticillatum*. O. raceme elongated naked, flowers verticil-fourfold peduncled, leaves obtuse. S. *verticil'd.*
- capitellatum*. O. herbaceous, leaves egg'd, flowers aggregate, petioles lateral. S. *headed.*

733. TRICHOSTEMA. Upper lip of the *Corol* sickled. *Stamens* most long. *Hair-stamen.*

- dichotoma*. 1. T. *stamens* most long protruded. *two-fork'd*
- brachiata*. 2. T. *stamens* short included. *cross-arm'd.*

734. SCUTELLARIA. *Calyx* with mouth intire: after floescence closed, lidded. *Skull-cap.*

- orientalis*. 1. S. leaves gash'd downy underneath, spikes round-four-corner'd. *oriental.*
- albida*. S. leaves somewhat hearted saw'd wrinkled opaque, spikes one-rank'd, bractes egg'd. *white.*

446. TWO POWERS. SEED-NAKED. *Scutellaria*.

- alpina*. 2. S. leaves hearted gash-saw'd notch'd, spikes imbricated round-four-corner'd. *alpine.*
- lupulina*. 3. S. leaves hearted gash-saw'd acute smooth, spikes imbricated round-four-corner'd. *hop.*
- lateriflora*. 4. S. flowers polish'd rugged on the keel, racemes lateral leafy. *side-flowering.*
- galericulata*. 5. S. leaves heart-lanced notch'd, flowers axillary. *cap'd.*
- hastifolia*. 6. S. leaves most intire : inferiour leaves halberted, superiour ones arrow'd. *haibert-leaved.*
- minor*. 7. S. leaves heart-egg'd very intire, flowers axillary. *less.*
- integrifolia*. 8. S. leaves sessile egg'd : the inferior leaves obscurely saw'd ; the superiour ones most intire. *intire-leaved.*
- bavariensis*. 14. S. leaves heart-egg'd notch'd, flowers solitary axillary, each lip of the corol thre-cleft. *bavannah.*
- hyssopifolia*. 9. S. leaves lanced. *hyssop-leaved.*
- peregrina*. 10. S. leaves somewhat hearted saw'd, spikes elongated one-rank'd, *foreign.*
- indica*. 11. S. leaves somewhat egg'd notch'd petioled, racemes nakedish. *indian.*
- altissima*. 12. S. leaves heart-oblong pointed saw'd : spikes nakedish. *most-lofty.*
- cretica*. 13. S. villous, leaves hearted obtuse and obtusely saw'd, spikes imbricated : bractes bristly. *cretan.*

735. PRUNELLA. *Filaments* two-fork'd : anther-bearing at one top. *Stigma* two-cleft. *Self-beal.*

- vulgaris*. 1. P. leaves all egg-oblong saw'd petioled. *common.*
- grandiflora*. a. P. blue, flower large. *great-flower'd.*
- laciniata*. 2. P. leaves egg-oblong petioled : the four highest lanced tooth'd. *jagg'd.*
- hyssopifolia*. 3. P. leaves lanced most intire sessile, stem erect. *hyssop-leaved.*

736. CLEONIA. *Filaments* two-fork'd: anther-bearing on one top. *Stigma* four-cleft.

lusitanica. 1. CLEONIA. *portugal.*

737. PRASIUM. *Berries* 4, one-seeded.

majus. 1. P. leaves egg-oblong saw'd. *greater.*
minus. 2. P. leaves egg'd with a double notch on each side. *less.*

738. PHRYMA. *Seed* single.

Leptostachya. 1. P. leaves egg'd saw'd petioled, calyx one-leaved five-cleft. *S. thin-spiked.*
dehiscens. P. calyxes gaping only longitudinally. *S. gaping.*

S E E D - C O V E R ' D.

(*Angiospermia.*)

739. BARTSIA. *Cal.* 2-lobed, end-nick'd, colour'd. *Corol* colour'd less than the calyx itself: the upper lip longer. *Capsule* 2-cell'd.

coccinea. 1. B. leaves alternate linear two-tooth'd on each side. *scarlet.*
pallida. 2. B. leaves alternate lanced most intire: floral leaves egg'd tooth'd. *pale.*
viscosa. 3. B. superiour leaves alternate saw'd, flowers distant lateral. *viscous.*
alpina. 4. B. leaves opposite hearted obtusely saw'd. *alpine.*
Gymnandra. B. two-male, leaves radical two-fold petioled, stem mostly two-leaved one-spiked: spike linear obtuse, verticils bracted collected. *S. male-naked.*

740. RHINANTHUS. *Cal.* 4-cleft, bellied.
Capsule 2-cell'd, obtuse, compress'd.
Rattle.

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|----------------------|---|--------------------|
| <i>orientalis</i> . | 1. R. corols with upper lip awl'd incurved. | <i>oriental</i> . |
| <i>Elephas</i> . | 2. R. corols with upper lip awl'd straight. | |
| <i>Cristagalli</i> . | 3. R. corols with upper lip compress'd shorter. | <i>Cockscomb</i> . |
| <i>Trixago</i> . | 4. R. calyxes shag-downy, leaves opposite obtusely saw'd, stem most simple. | |
| <i>capensis</i> . | 6. R. calyxes downy, bractes egg'd, leaves lanced tooth'd. | <i>cape</i> . |
| <i>indica</i> . | 5. R. leaves sublanced hairy most intire. | <i>indian</i> . |
| <i>virginicus</i> . | 6. R. corols expanding in the throat, leaves sinus-tooth'd. | <i>virginian</i> . |

741. EUPHRASIA. *Cal.* 4-cleft, cylindric. *Capsf.* 2-cell'd, egg-oblong. Inferiour *Anthers* thorny on one lobe at the base.
Eye-bright.

- | | | |
|-----------------------|---|-----------------------|
| <i>latifolia</i> . | 1. E. leaves tooth-handed, flowers somewhat headed. | <i>broad-leaved</i> . |
| <i>officinalis</i> . | 2. E. leaves egg'd lined sharply tooth'd. | <i>officinal</i> . |
| <i>tricuspidata</i> . | 3. E. leaves linear three-tooth'd. | <i>three-piked</i> . |
| <i>Odontites</i> . | 4. E. leaves linear : all saw'd. | |
| <i>lutea</i> . | 5. E. leaves linear saw'd : the superiour ones most intire. | <i>yellow</i> . |
| <i>linifolia</i> . | 6. E. leaves linear : all most intire, calyxes smooth. | <i>flax-leaved</i> . |
| <i>viscosa</i> . | 7. E. leaves linear, calyxes glue-hispid. | <i>viscous</i> . |

742. MELAMPYRUM. *Cal.* 4-cleft. Upper lip of the *Corol* compress'd, with margin folded back. *Capsf.* 2-cell'd, oblique, gaping on one side. *Seeds* 2, gibbous.

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|--------------------|--|------------------|
| <i>crestatum</i> . | 1. M. spikes quadrangular, bractes hearted compact toothletted imbricated. | <i>crested</i> . |
| <i>arvense</i> . | 2. M. spikes conic loose : bractes tooth-bristly colour'd. | <i>field</i> . |
| | 3. M. | |

- nemorosum*. 3. M. flowers one-rank'd lateral : bractes tooth'd ; the highest colour'd barren, calyxes woolly. *grove*.
- pratense*. 4. M. flowers one-rank'd lateral, leaves in remote pairs, corols closed. *meadow*.
- sylvaticum*. 5. M. flowers one-rank'd lateral, leaves in remote pairs, corols gaping. *wood*.

743. LATHRÆA. *Cal.* 4-cleft. *Gland* depress'd, at the base of the Suture of the Germ. *Capsule* 1-cell'd.

- Clandestina*. 1. L. stem branchy subterrestrial, flowers erect solitary. *Clandestine*.
- Phelypæa*. 2. L. corols bell-expanding.
- Anblatum*. 3. L. lips of the corols undivided.
- Squamaria*. 4. L. stem most simple, corols pendulous : lower lip three-cleft.

744. SCHWALBIA. *Cal.* 4-cleft : superiour lobe smallest ; the lowest largest end-nick'd

- americana*. 1. SCHWALBIA. *american*.

745. TOZZIA. *Cal.* 5-tooth'd. *Capsule* 1-cell'd, globular, one-seeded.

- alpina* 1. TOZZIA. *alpine*.

746. PEDICULARIS. *Cal.* 5-cleft. *Capsule* 2-cell'd, dagger'd, oblique. *Seeds* coated. *Louse-wort*.

- palustris*. 1. P. stem branchy, calyxes crested callous - pointed, corols oblique in the lip. *marsh*.
- sylvatica*. 2. P. stem branchy, calyxes oblong angled polish'd, corols with lip hearted. *wood*.
- rostrata*. 3. P. stem declining somewhat branchy, corols beak-pointed on the helmet, calyxes crested somewhat shaggy. *beak'd*.

4. P.

450. TWO POWERS. SEED-COVER'D. *Pedicularis*.

- Sceptrum*. 4. P. stem simple, flowers three-verticil'd, corols closed,
Carolianum. calyxes crested, capsules regular. *Charles's*
Scepter.
verticillatum. 5. P. stem simple, leaves fourfold. *verticil'd*.
resupinata. 6. P. stem simple, leaves lanced saw'd notchletted,
flowers resupine. *resupine*.
recutita. 7. P. stem simple, leaves feather-cleft saw'd, spike leafy,
calyxes colour'd, corols obtuse. *circumcised*.
tristis. 8. P. stem simple, helmets of the corols villous on the
margin. *sawful*.
flammea. 9. P. stem simple, leaves feather'd backward imbricated.
flaming.
hirsuta. 10. P. stem simple, leaves tooth-feather'd linear, calyxes
shaggy. *shaggy*.
incarnata. 11. P. stem simple, leaves feather'd saw'd. calyxes round-
ed smooth, corols with helmet hook'd acute.
incarnate.
comosa. 13. P. stem simple, spike leafy, corols with helmet acute
end-nick'd, calyxes five-tooth'd. *tailed*.
foliosa. 15. P. stem simple, spike leafy, corols with helmet most
obtuse intire, calyxes five-tooth'd. *leafy*.
canadensis. 16. P. stem simple, spike somewhat leafy, corols with
helmet two-bristle-tooth'd, calyxes top'd down-
wards. *canadian*.
tuberosa. 14. P. stem simple, calyxes crested, corols with helmet
hook'd. *tuberous*.

747. GERARDIA. *Cal.* 5-cleft. *Corol* two-lip'd :
under lip three-parted : lobes end-
nick'd : middle one two-parted. *Capsf.*
2-cell'd, gaping.

- tuberosa*. 1. G. leaves somewhat egg'd downy scollop'd the length
of the stem. *tuberous*.
delphinifolia. 2. G. leaves linear feather-cleft, stem somewhat branchy,
larkspur-leaved.
purpurea. 3. G. leaves linear. *purple*.
flava. 4. G. leaves lanced feather-tooth'd, stem most simple.
yellow.
pedicularia. 5. G. leaves oblong double-saw'd, stem panicled, calyxes
notch'd. *louse*.
glutinosa. 6. G. leaves egg'd saw'd, braçtes linear hispid. *glutinous*.

- Nigrina.* G. rugged, leaves lanced saw'd below, stem four-corner'd. *S.*
- tubulosa.* G. polish'd, leaves linear intire acute, tube longer than the calyx. *S.* *tubular.*
- scabra.* G. hispid rugged, leaves oblong feather-cleft. *S.* *rugged.*

748. CHELONE. *Cal.* 5-parted. *Rudiment* of a fifth filament between the highest stamens. *Caps.* 2-cell'd.

- glabra.* 1. C. leaves petioled lanced saw'd: the highest opposite. *smooth.*
- obliqua.* 4. C. leaves petioled lanced saw'd opposite. *oblique.*
- hirsuta.* 2. C. stem and leaves shaggy. *shaggy.*
- Pentstemon.* 3. C. leaves stem-clasping, panicle two-fork'd.
- Ruellioides.* C. radical leaves petioled egg'd saw'd, stem-leaves opposite stem-clasping, peduncles elongated, calyxes fringed. *S.* *Ruellia-like.*

749. GESNERIA. *Cal.* 5-cleft, fitting on the Germ. *Corol* incurved and recurved. *Capsule* beneath, 2-cell'd.

- humilis.* 2. G. leaves lanced saw'd sessile, peduncles branchy many-flower'd. *humble.*
- acaulis.* 1. G. leaves lance-egg'd saw'd subpetioled terminal-crowded, peduncles three-flower'd shorter than the leaf. *stemless.*
- tomentososa.* 3. G. leaves egg-lanced notch'd shaggy, peduncles lateral most long corymbe-bearing. *downy.*

750. ANTIRRHINUM. *Cal.* 5-leaved. Base of the *Corol* prominent downwards, nectar-bearing. *Capsule* 2-cell'd. *Snap-Dragon.*

* *Leaves angled.*

- Cymbalaria.* 1. A. leaves hearted five-lobed alternate, stems procumbent.

452. TWO POWERS. SEED-COVER'D. *Antirrhinum*.

- pilosum*. A. leaves kidney-form most hairy alternate, stems procumbent. *hairy*.
- Elatine*. 2. A. leaves halberted alternate, stems procumbent.
- spurium*. 3. A. leaves egg'd alternate, stems procumbent. *spurious*.
- cirrhosum*. A. leaves halberted alternate, stems expanded, petioles every where tendril'd. *tendril'd*.
- ægyptiacum* 4. A. leaves halberted alternate, stem erect most branchy, peduncles stiffening. *egyptian*.

* * *Leaves opposite.*

- triphyllum*. 8. A. leaves threefold egg'd. *three-leaved*.
- triornithophorum*. 10. A. leaves fourfold lanced, stem erect branchy, flowers peduncled.
- purpureum*. 11. A. leaves fourfold linear, stem erect spiked. *purple*.
- repens*. 16. A. leaves linear crowded: fourfold below, calyxes equalling the capsule. *creeping*.
- monspeffulanum*. 15. A. leaves linear crowded, stem shining paniced, peduncles spiked shining.
- sparteum*. 14. A. leaves awl'd chancel'd fleshy: the inferiour leaves threefold, stem paniced and corols most smooth. *broom*.
- bipunctatum*. 13. A. leaves linear smooth: the inferiour ones fourfold, stem erect paniced, flowers spike-headed. *two-dotted*.
- triste*. 9. A. leaves linear scatter'd: the inferiour ones opposite, nectaries awl'd, flowers subsessile. *sorrowful*.
- supinum*. 24. A. leaves mostly fourfold linear, stem diffuse, flowers racemed, spur straight. *supine*.
- arvense*. 17. A. leaves sublinear: the inferiour ones fourfold, calyxes hair-viscid, flowers spiked, stem erect. *field*.
- pelisferianum*. 18. A. stem-leaves linear-alternate: radical leaves lanced threefold, flowers corymbed.
- saxatile*. 20. A. leaves lance-linear scatter'd villous: the inferiour ones fourfold, stem decumbent, flowers spiked. *rock*.
- viscosum*. 19. A. radical leaves fourfold lanced, stem-leaves linear alternate, calyxes villous approximated to the stem. *viscous*.
- multicaule*. 22. A. leaves fivefold linear fleshy, flowers headed. *many-stem'd*.
- glaucum*. 21. A. leaves fourfold awl'd fleshy, stems erect, flowers spiked. *sea-green*.

- alpinum.* 23. A. leaves fourfold linear-lanced sea-green, stem diffuse, flowers racemed with spur straight. *alpine.*
- bicorne.* 25. A. leaves opposite egg-oblong saw'd, stem erect, flowers racemed, capsules two-horn'd. *two-horn'd.*
- villosum.* 5. A. leaves all opposite egg'd villous, stems simple, flowers opposite lateral. *villous.*
- origanifolium.* 6. A. leaves mostly opposite oblong, flowers alternate. *origanum-leaved.*
- minus.* 7. A. leaves mostly alternate lanced obtuse, stem most branchy diffuse. *lesser.*
- pinnatum.* A. leaves opposite feather-cleft, stem erect, flowers racemed. *S. feather'd.*

*** *Leaves alternate.*

- dalmaticum.* 28. A. leaves alternate hearted stem-clasping. *dalmatian.*
- hirtum.* 29. A. leaves lanced shaggy alternate, flowers spiked, the highest calyx-leaflet the largest. *shaggy.*
- genistifolium.* 31. A. leaves lanced pointed, panicle twiggy winding: *genista-leaved.*
- junceum.* 30. A. leaves linear alternate, stem paniced twiggy, flowers racemed. *rush.*
- Linaria.* 33. A. leaves lance-linear crowded, stem erect, spikes terminal sessile, flowers imbricated.
- linifolium.* 32. A. leaves lanced alternate three-nerved, flowers racemed: peduncles distant shorter than the bracte. *flax-leaved.*
- chalepense.* 34. A. leaves linear-lanced alternate, flowers racemed, calyxes longer than the corol, stem erect.
- reflexum.* 26. A. leaves egg'd alternate smooth, peduncles axillary: fruit-bearing elongated recurvate, stem procumbent. *reflected.*
- pedunculatum.* 27. A. leaves alternate linear remote, flowers paniced: peduncles longer than the leaf upright. *peduncled.*

**** *Corols gaping or tailless.*

- majus.* 35. A. corols tailless, flowers spiked, calyxes rounded. *greater.*
- Orontium.* 36. A. corols tailless, flowers subspiked, calyxes longer than the corol.
- papilionaceum.* 41. A. corols tailless, flowers axillary, calyxes papilionaceous, leaves fleshy. *papilionaceous.*

454. TWO POWERS. SEED-COVER'D. *Antirrhinum*.

- Ansarina*. 37. A. corols tailless, leaves opposite hearted notch'd, stems procumbent.
molle. 38. A. corols tailless, leaves opposite egg'd downy, stems procumbent. *soft*.
unilabiatum. A. tailless with two calluses, leaves alternate feather-cleft, stem paniced. *S.* *one-lip'd.*

* * * *Corols gaping.*

- bellidifolium*. 39. A. radical leaves tongued tooth'd lined; stem-leaves with parts most intire. *daisy-leaved.*
canadense. 40. A. leaves linear alternate, corols gaping: the under lip flatten'd. *canadian.*

From the Supplement.

- Lagopodioides*. A. leaves scatter'd soft recurved at top, spikes egg'd villous. *S.* *Hare's-foot-like.*
aphyllum. A. scape leafless capillary. *S.* *leafless.*

751. CYMBARIA. *Calyx* ten-tooth'd. *Capsule* hearted, two-cell'd.

- daurica*. I. CYMBARIA. *dauric.*

752. CRANIOLARIA. *Cal.* of the flower double; with perianth 4-leaved; spathe 1-leaved. *Cor.* tube most long. *Capsule* of Martynia.

- fruticosa*. 1. C. leaves lanced tooth'd. *shrubby.*
annua. 2. C. leaves hearted angled, the exterior calyx two-leaved. *annual.*

753. MARTYNIA. *Cal.* 5-cleft. *Cor.* grinning. *Caps.* woody, barky, with beak hook'd, three-cell'd, two-valved.

- perennis*. 1. M. stem simple, leaves saw'd. *perennial.*
annua. 2. M. stem branchy, leaves most intire angled. *annual.*
longiflora. 3. M. stem simple, leaves orbicular scollop'd. *long-flower'd.*

754. TOR-

754. **TORENIA.** *Cal.* 2-lip'd : upper lip three-piked. Inferiour *Filaments* with a barren branchlet. *Capsule* 2-cell'd.

asiatica. I. **TORENIA.** *asiatic.*

755. **BESLERIA.** *Cal.* 5-parted. *Berry* subglo-bular, many-seeded.

melittifolia. 1. B. peduncles branchy, leaves egg'd. *mellitis-leaved.*
lutea. 2. B. peduncles simple crowded, leaves lanced. *yellow.*
cristata. 3. B. peduncles simple solitary, calyxes saw-crested.
bivalvis. B. calyxes two-valved torn. S. *two-valved.*

756. **SCROPHULARIA.** *Cal.* 5-cleft. *Cor.* sub-globular, resupine. *Capsule* 2-cell'd.
Figwort.

marilandica. 1. S. leaves hearted saw'd acute rounded at the base, stem obtuse-angled. *maryland.*
nodosa. 2. S. leaves hearted three-nerved, stem obtuse angled. *knotty.*
aquatica. 3. S. leaves hearted obtuse petioled decurrent, stem angled with membranes, racemes terminal. *aquatic.*
auriculata. 4. S. leaves hearted downy underneath appendaged at the base, racemes terminal. *ear'd.*
Scorodonia. 5. S. leaves hearted double-saw'd, raceme compound divided by leaves.
betonicifolia. 15. S. leaves hearted oblong tooth'd : teeth most intire : deeper at the base. *betony-leaved.*
orientalis. 6. S. leaves lanced saw'd petioled : stem-leaves three-fold, branches opposite. *oriental.*
frutescens. 13. S. leaves somewhat fleshy sessile polish'd recurved at top. *shrubby.*
vernalis. 7. S. leaves hearted : stem-leaves three-fold, peduncles axillary solitary two-cleft. *vernal.*
trifoliata. 8. S. leaves smooth : the inferiour leaves thrice-feather'd obtuse : the superiour simple, peduncles mostly three-flower'd axillary. *three-leaved.*

456. TWO POWERS. SEED-COVER'D *Scrophularia*.

- sambucifolia*. 9. S. leaves interruptedly feather'd hearted unequal, raceme terminal : peduncles axillary double two-fork'd. *elder-leaved.*
- canina*. 10. S. leaves feather-cleft, raceme terminal naked : peduncles two-cleft. *d;g.*
- lucida*. 11. S. the inferiour leaves twice-feather'd fomewhat fleshy most smooth, racemes two-parted. *lucid.*
- coccinea*. 14. S. leaves fourfold egg'd, flowers verticil'd spiked. *scarlet.*
- peregrina*. 12. S. leaves hearted lined lucid, peduncles axillary two-flower'd, stem six-angled. *foreign.*
- meridionalis*. S. leaves oblong egg'd saw'd smooth, peduncles one-flower'd S. *meridian.*

757. CELSIA. *Cal.* 5-parted. *Cor.* wheel'd. *Filaments* bearded, *Capsf.* 2-cell'd.

- orientalis*. 1. C. leaves twice-feather'd. *oriental.*
- Ariturus*. C. radical leaves lyre-feather'd, peduncles longer than the flower.
- cretica*. C. the inferiour leaves lyred; the superiour egg'd stem-clasping. *cretan.*
- cretica*. C. radical leaves lyred, stem-leaves fomewhat hearted stem clasping, flowers subsessile. S. *cretan.*

758. DIGITALIS. *Cal.* 5-parted, *Cor.* bell'd, 5-cleft, bellied. *Capsf.* egg'd 2-cell'd. *Foxglove.*

- purpurea*. 1. D. calyx-leaflets egg'd acute, corols obtuse : upper lip intire. *purple.*
- minor*. D. corols obtuse : upper lip fomewhat two-lobed, leaves polish'd. *lesf.*
- Thapsi.* 4. D. leaves decurrent.
- lutea*. 2. D. calyx-leaflets lanced, corols acute : upper lip two-cleft. *yellow.*
- ambigua*. D. lip of the corols end-nick'd, leaves pubescent underneath. *ambiguous.*
- ferruginea*. 3. D. calyx-leaflets egg'd obtuse expanding, lower lip of the corols bearded. *iron.*
- obscura*. 5. D. leaves linear-lanced most intire adjoin'd at the base. *obscure.*

6. D.

- canarinse*. 6. D. calyx-leaflets lanced, corols two-lip'd acute, stem shrubby. *canary*.
- ambigua*. D. calyx-leaflets lanced, corols with helmet end-nick'd, leaves pubescent underneath. *S. am-guous*.
- Sceptrum*. D. shrubby, leaves oblong spatuled saw'd, spikes terminal egg'd peduncled terminated by a tuft of bractes, calyx-leaflets awl'd, corols four-cleft. *S, Scepter*.

759. BIGNONIA. *Cal.* 5-cleft, cup-form. *Cor.* with-throat bell'd, 5-cleft, bellied underneath. *Silique* 2-cell'd. *Seeds* membrane-wing'd. *Trumpet-flower*.

- Catalpa*. 1. B. leaves simple threefold hearted, stem erect, flowers two-male.
- sempervirens*. 2. B. leaves simple lanced, stem twining, *ever-green*.
- unguis*. 3. B. leaves pair'd: tendril most short bow'd three-parted. *claw*.
- æquinoctialis*. 4. B. leaves pair'd tendril'd: leaflets egg-lanced, peduncles two-flower'd, filiques linear. *equinoctial*.
- paniculata*. 5. B. leaves pair'd tendril'd: leaflets heart-egg'd, flowers racemed, peduncles three-flower'd. *paniced*.
- crucigera*. 6. B. leaves pair'd tendril'd: leaflets hearted, stem mu-rex'd. *cross-bearing*.
- capreolata*. 7. B. leaves pair'd tendril'd: leaflets heart-lanced: the lowest leaves simple. *tendril'd*.
- pubescens*. 8. B. leaves pair'd tendril'd: leaflets heart-egg'd downy underneath. *pubescent*.
- triphylla*. 9. B. leaves three'd: leaflets egg'd pointed, stem shrubby erect. *three-leaved*.
- pentaphylla*. 10. B. leaves finger'd: leaflets most intire inverse-egg'd. *five-leaved*.
- Leucoxydon*. 11. B. leaves finger'd: leaflets most intire egg'd pointed. *White-wood*.
- radiata*. 12. B. leaves finger'd: leaflets feather-cleft. *radiate*.
- radicans*. 13. B. leaves feather'd: leaflets gash'd, stem with rooted knots. *rooting*.
- stans*. 14. B. leaves feather'd: leaflets saw'd, stem erect firm, flowers racemed. *standing*.
- peruviana*. 15. B. leaves decomound: leaflets gash'd, stem with knots tendril'd. *peruvian*.
16. B.

458. TWO POWERS. SEED-COVER'D. Bignonia.

- indica.* 16. B. leaves twice-feather'd : leaflets most intire egg'd
pointed. *indian.*
- cærulea.* 17. B. leaves twice-feather'd : leaflets lanced intire. *blue.*
- chelonoides.* B. leaves feather'd with an odd one : leaflets egg'd
most intire pointed pubescent, corols bearded
half-five-male. S. *chelone-like.*
- spathacea.* B. leaves odd-feather'd : leaflets egg'd shaggy, calyx
one-leaved spathed, corol salver-form. S.
spathed.

760. CITHAREXYLON. *Cal.* 5-tooth'd, bell'd.
Cor. funnel-form-wheel'd : divisions
villous above, equal. *Berry* 2-seeded.
Seeds 2-cell'd. *Fiddle-wood.*

- increum.* 1. C. branches columnar. calyxes tooth'd. *ash-colour'd.*
- caudatum.* 2. C. branches columnar calyxes lop'd. *tail'd.*
- quadrangulare.* C. branches four-corner'd. *quadrangular.*

761. HALLERIA. *Cal.* 3-cleft. *Cor.* 4-cleft.
Filaments longer than the corol. *Berry*
beneath, 2-cell'd.

- lucida.* 1. HALLERIA. *lucid.*

762. CRESCENTIA. *Cal.* 2-parted, equal. *Cor.*
gibbous. *Berry* pedicel'd, 1-cell'd,
many-seeded, *Seeds* 2-cell'd. *Calabash-tree.*

- Cujeta.* 1. C. leaves wedge-lanced.
- cucurbitina.* C. leaves lance-egg'd. *gourd.*

763. GMELINA. *Cal.* somewhat 4-tooth'd. *Cor.*
4-cleft, bell'd. *Anthers* 2, two-
parted ; 2 simple. *Drupe* with nu-
cleus 2-cell'd.

- asiatica.* 1. GMELINA. *asiatic.*

764. PE-

764. PETREA. *Cal.* 5-parted, most large, colour'd. *Cor.* wheel'd. *Capf.* 2-cell'd, in the bottom of the calyx. *Seeds* solitary.

volubilis. 1. PETREA. *twining.*

1316. PREMNA. *Cal.* two-lobed. *Cor.* 4-cleft. *Berry* 4-cell'd. *Seeds* solitary.

integrifolia. P. leaves most intire. *intire-leaved.*
ferratifolia. P. leaves saw'd. *saw-leaved.*

765. LANTANA. *Cal.* obscurely 4-tooth'd. *Stigma* hook-refracted. *Drupe* with nucleus 2-cell'd.

- missa.* 9. L. leaves opposite pointed, flowers headed: involu-
 cres the length of the flowers. *mix'd.*
- trifolia.* 1. L. leaves threefold, spikes oblong imbricated. *three-
 leaved.*
- annua.* 2. L. leaves opposite, stem unarm'd herbaceous, spikes
 oblong. *annual.*
- Camara.* 4. L. leaves opposite, stem unarm'd branchy, flowers
 head-umbel'd leafless.
- involucrata.* 3. L. leaves opposite and three-fold wedge-inverse-egg'd
 obtuse lined downy, heads ragged. *involucrad.*
- odorata.* 8. L. leaves opposite and three-fold lance-elliptic, stem
 unarm'd. *odorous.*
- aculeata.* 5. L. leaves opposite, stem prickly branchy, spikes hemis-
 pheric. *prickly.*
- salsifolia.* 6. L. leaves opposite sessile, flowers racemed. *sage-
 leaved.*
- africana.* 7. L. leaves alternate sessile, flowers solitary. *african.*

460. TWO POWERS. SEED-COVER'D. Cornutia.

766. CORNUTIA. *Cal.* 5-tooth'd. *Stamens* longer than the corol. *Style* most long. *Berry* 1-seeded.

pyramidata. I. CORNUTIA. *pyramidal.*

767. LOESELIA. *Cal.* 4-cleft. *Cor.* with all the divisions one-rank'd. *Stamens* opposite to the petal. *Capsule* 3-cell'd.

ciliata. I. LOESELIA. *fringed.*

768. CAPRARIA. *Cal.* 5-parted. *Cor.* bell'd, 5-cleft, acute. *Capsf.* 2-valved, 2-cell'd, many-seeded.

biflora. I. C. leaves alternate, flowers double, *two-flower'd.*

durantifolia. A. C. leaves threefold tooth'd, peduncles solitary, branches alternate. *leaf-enduring.*

crustacea. 4. C. creeping, leaves opposite egg'd subpetioled, notch'd. *crusted.*

lanceolata. C. leaves opposite lanced, corymbe terminal compound. S. *lanced.*

undulata. C. leaves alternate egg'd waved, racemes one-rank'd. S. *waved.*

1315. LINDERNIA. *Cal.* 5-parted. *Cor.* grinning with the upper lip most short. The two inferiour *Stamens* with a terminal tooth and sublateral anther. *Capsf.* 1-cell'd.

pyxidaria. L. leaves sessile most intire, peduncles solitary. *box.*

769. SELAGO. *Cal.* 5-cleft. tube of the *Corol*
capillary; border subequal. *Seed* 1 or 2.

- corymbosa.* 1. S. corymbe manyfold, flowers disjoin'd, leaves thread-form fascicled. *corymbed.*
- polystachia.* S. corymbe with spikes fascicled, leaves thread-form aggregate. *many-spiked.*
- rapunculoides.* 3. S. spikes corymbed, leaves tooth'd. *rapunculus-like.*
- spuria.* 5. S. spikes corymbed, leaves linear toothletted. *spurious.*
- fasciculata.* S. corymbe manyfold, leaves inverse-egg'd smooth saw'd. *fascicled.*
- coccinea.* 4. S. spikes corymbed, the inferiour leaves linear most intire, the superiour lance-awl'd somewhat tooth'd. *scarlet.*
- capitata.* S. head terminal, leaves fascicled linear fleshy smooth. *headed.*
- lychnidea.* S. spike terminal, leaves subpetioled lanced obtusifish saw'd rather downy. *lychnis.*
- fruticosa.* 10. S. heads roundish terminal, leaves scatter'd linear obtuse most intire, stem shrubby. *shrubby.*
- divaricata.* S. leaves thread-form-linear fascicled smooth, heads terminal. S. *divaricated.*
- canescens.* S. leaves threadform fascicled smooth, spikes terminal. S. *hoary.*
- geniculata.* S. leaves linear fascicled smooth with reflected margin, spikes terminal, S. *knotted.*
- triquetra.* S. leaves three-sided imbricated recurve-reflected smooth spikes terminal. S. *three-sided.*
- hispida.* S. leaves linear scatter'd reflected hispid, spikes terminal. S. *hispid.*
- Polygaloides.* S. leaves linear smooth with margin reflected, spikes terminal, bractes and calyxes keel'd, folds rugged. S. *milkwort-like.*
- cinerea.* S. leaves linear fascicled smooth with margin reflected, corymbe compound. S. *ash-colour'd.*
- rotundifolia.* S. leaves egg'd smooth obtuse, corymbe compound. S. *round-leaved.*
- ciliata.* S. leaves egg'd fringed acute, flowers spiked. S. *fringed.*
- verbenacea.* S. leaves oblong smooth, spikes fascicled, stem four-corner'd right-angled. S. *vervain.*
- hirta.* S. shaggy, leaves inverse-egg'd, spikes most long. S. *shaggy.*

1264. MANULEA. *Cal.* 5-parted. *Cor.* with border 5-parted, awl'd; the four superiour divisions more connected. *Capsf.* 2-cell'd, many-seeded.

- Cheiranthus*. I. M. leaves naked, stems nearly leafless, pedicels alternate one-flower'd. *Wall-flower.*
- tomentosa*. M. leaves downy, stems leafy, peduncles many-flower'd. *downy.*
- microphylla*. M. leaves egg'd fascicled smooth intire. S. *small-leaved.*
- integrifolia*. M. leaves egg'd scatter'd smooth intire. S. *intire-leaved.*
- heterophylla*. M. leaves linear scatter'd villous intire or tooth'd S. *different-leaved.*
- cærulea*. M. leaves linear opposite downy tooth'd, flowers racemed. S. *blue.*
- cuneifolia*. M. leaves ellips-egg'd smooth tooth'd, spikes oblong. S. *wedge-leaved.*
- capillaris*. M. stem-leaves inverfe-egg'd smooth tooth'd, branches linear, spikes egg'd. S. *capillary.*
- Plantaginis*. M. leaves egg'd somewhat tooth'd and intire smooth, heads egg'd, branches diffuse. S. *Plantain.*
- capitata*. M. leaves egg'd saw'd villous, heads globular, branches diffuse. S. *headed.*
- Antirrhinoides*. M. leaves egg'd tooth'd smooth, flowers alternate. S. *Snapdragon-like.*
- thyrsiflora*. M. leaves inverfe-egg'd downy tooth'd, corymbe terminal elongate compound. S. *thyrsé-flower'd.*
- corymbosa*. M. leaves oblong tooth'd smooth, corymbe level-top'd. S. *corymbed.*
- altissima*. M. leaves lanced somewhat tooth'd villous, spike egg'd. S. *highest.*
- rubra*. M. leaves lanced villous saw'd, flowers racemed remote. S. *red.*
- argentea*. M. leaves inverfe-egg'd wedge-form saw'd silver-dotted, flowers axillary. S. *silver.*
- pinnatifida*. M. leaves egg'd gash-feather-cleft: feathers tooth'd. S. *feather-cleft.*

770. HEBENSTRETIA. *Cal.* twice-end-nick'd, slit underneath. *Cor.* 1-lip'd; the lip ascending 4-cleft. *Capsule* 2-seeded. *Stamens* inserted on the margin of the border of the corol.

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| <i>dentata.</i> | 1. H. leaves linear tooth'd, spikes polish'd. | <i>tooth'd.</i> |
| <i>integrifolia</i> | 2. H. leaves linear most intire. | <i>intire-leaved.</i> |
| <i>cordata.</i> | 3. H. leaves rather fleshy hearted sessile. | <i>hearted.</i> |
| <i>Erinoides.</i> | H. leaves oblong saw'd hairy, bractes intire hispid. <i>S.</i> | <i>Erinus-like.</i> |
| <i>fruticosa.</i> | H. leaves lanced tooth'd smooth, bractes intire, stem shrubby <i>S.</i> | <i>shrubby.</i> |

771. ERINUS. *Cal.* 5-leaved. Border of the *Corol* 5-cleft, equal; lobes end-nick'd; upper lip most short reflected. *Capsf.* 2-cell'd

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|--------------------|--|-------------------|
| <i>alpinus.</i> | 1. E. flowers racemed, leaves spatuled. | <i>alpine.</i> |
| <i>africanus.</i> | 2. E. flowers lateral sessile, leaves lanced rather tooth'd. | <i>african.</i> |
| <i>peruvianus.</i> | 3. E. leaves lance-egg'd saw'd, | <i>peruvian.</i> |
| <i>laciniatus.</i> | 4. E. leaves jagg'd. | <i>jagg'd.</i> |
| <i>maritimus.</i> | E. leaves lanced most intire smooth, divisions of the border half-two-cleft. <i>S.</i> | <i>sea.</i> |
| <i>Lychnidea.</i> | E. leaves lanced saw'd, divisions of the border half-two-cleft. <i>S.</i> | <i>Lychnis.</i> |
| <i>triflis.</i> | E. leaves oblong gash'd tooth'd, divisions of the border end-nick'd. <i>S.</i> | <i>sorrowful.</i> |

772. BUCHNERA. *Gal.* obscurely 5-tooth'd. Border of the *Corol* 5-cleft, equal; lobes hearted. *Capsf.* 2-cell'd.

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|-------------------|---|------------------|
| <i>americana.</i> | 1. B. leaves tooth'd lanced three-nerved. | <i>american.</i> |
| <i>cernua.</i> | B. leaves wedged five-tooth'd smooth, flowers spiked, stem shrubby. | <i>bowing.</i> |

464. TWO POWERS. SEED-COVER'D. Buchnera.

- ethiopica.* B. leaves three-tooth'd, flowers peduncled, stem shrubby. *ethiopian.*
- canadensis.* 3. B. leaves jagg'd, stem two-fork'd. *canadian.*
- capensis.* 4. B. leaves tooth'd linear, calyxes pubescent. *cape.*
- asiatica.* 2. B. leaves most intire linear, calyxes rugged. *asiatic.*
- cordifolia.* B. stem four-corner'd, leaves opposite hearted three-nerved saw'd, racemes terminal subspiked. *S. heart-leaved.*
- grandiflora.* B. rugged, leaves opposite sessile oblong intire, peduncles axillary one-flower'd two-leaved, calyx funnel-form. *S. great-flower'd.*
- cuneifolia.* B. leaves wedge-form smooth seven-tooth'd at top. *S. wedge-leaved.*
- pinnatifida.* B. leaves feather-cleft smooth. *S. feather-cleft.*

773. BROWALLIA. *Cal.* 5-tooth'd. Border of the *Corol* 5-cleft, equal, expanding: navel closed by two larger anthers, *Capsule* 1-cell'd.

- demissa.* 1. B. peduncles one-flower'd. *hanging.*
- elata.* 2. B. peduncles one-flower'd and many-flower'd. *high.*
- alienata?* 3. B. superiour leaves opposite, two stamens the length of the corol. *alienated?*

774. LINNÆA. *Cal.* double: of the fruit 2-leaved; of the flower 5-parted, above. *Corol* bell'd. *Berry* dry, three-cell'd.

- borealis.* 1. LINNÆA. *northern.*

775. SIBTHORPIA. *Cal.* 5-parted. *Cor.* 5-parted, equal. *Stamens* in remote pairs. *Capsf.* compres'd, orbicular, 2-cell'd: with a transverse partition. *Money-wort.*

- europæa.* 1. *S.* leaves kidney-form rather targetted notch'd. *eu-ropean.*
- evolvulacea.* *S.* leaves kidney-form most intire. *S. evolved.*

776. LIMOSELLA. *Cal.* 5-cleft. *Cor.* 5-cleft, equal. *Stamens* approximated by pairs. *Capsule* 1-cell'd, 2-valved, many-seeded. *Mud-wort.*

aquatica. 1. L. leaves lanced. *aquatic.*
diandra. L. leaves sublinear. *two-male.*

1265. VANDELLIA. *Cal.* somewhat 4-cleft. *Cor.* grinning. Two exterior *Filaments* from the disk of the lip of the corol. *Anthers* connected. *Caps.* 1-cell'd many-seeded.

diffusa. VANDELLIA. *diffuse.*

777. STEMODIA. *Cal.* 5-parted. *Cor.* 2-lip'd. *Stamens* 4: with each filament two-cleft two-anther'd. *Caps.* two-cell'd.

maritima. 1. STEMODIA. *sea.*

778. OBOLARIA. *Cal.* 2-cleft. *Cor.* 4-cleft, bell'd. *Caps.* 1-cell'd, 2-valved, many-seeded. *Stamens* from the divisions of the corol.

virginica. 1. OBOLARIA. *virginian.*

779. OROBANCHE. *Cal.* 2-cleft. *Cor.* grinning. *Capsule* 1-cell'd, 2-valved, many-seeded. *Gland* under the base of the germ.

lævis. 1. O. stem most simple poilsh'd, *stamens* protruded. *polish'd.*
major. 2. O. stem most simple pubescent, *stamens* rather protruded. *greater.*

466. TWO POWERS. SEED-COVER'D. Orobanche.

- americana.* O. stem most simple imbricated with leaves, corols recurvate, stamens protruded. *american.*
cernua. 5. O. stem most simple, corols recurvate, bractes egg'd shorter than the corol, stem nakedish. *bowing.*
ramosa. 3. O. stem branchy, corols five-cleft. *branchy.*
virginiana. 4. O. stem branchy, corols four-tooth'd. *virginian.*
uniflora. 5. O. stem one-flower'd, calyx naked. *one-flower'd.*
Æginetia. 6. O. stem one-flower'd, flower subspathed.
purpurea. O. stem simple and branched, corols four-cleft, stamens spur'd. *S. purple.*

1317. HYOBANCHE. *Cal.* 7-leaved. *Cor.* grinning with no under lip. *Capsf.* 2-cell'd, many-seeded.

sanguinea. HYOBANCHE. *bloody.*

780. DODARTIA. *Cal.* 5-tooth'd. Lower lip of the *Corol* twice as long. *Capsf.* 2-cell'd, globular.

- orientalis.* 1. D. leaves linear most intire smooth. *oriental.*
indica. 2. D. leaves egg'd saw'd villous. *indian.*

781. LIPPIA. *Cal.* 4-tooth'd, roundish, erect, compress-membranous. *Capsf.* 1-cell'd, 2-valved, 2-seeded, straight. *Seed* 1, 2-cell'd.

- americana.* 1. L. heads pyramidal. *american.*
hæmispherica. 2. L. heads hemispheric. *hemispheric.*
ovata. 3. L. heads egg'd, leaves linear most intire. *egg'd.*
hirsuta. L. shaggy, leaves oblong broad wrinkled saw'd downy underneath, panicles axillary : heads egg'd. *S. shaggy.*

782. SESAMUM. *Cal.* 5-parted. *Cor.* bell'd,
5-cleft: with the lowest lobe greater.
Rudiment of a fifth filament. *Stigma*
lanced. *Capsf.* 4-cell'd. *Oily-grain.*

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|-------------------|-------------------------------------|------------------|
| <i>orientale.</i> | 1. S. leaves egg-oblong intire. | <i>oriental.</i> |
| <i>indicum.</i> | 2. S. inferiour leaves three-cleft. | <i>indian.</i> |

783. MIMULUS. *Cal.* 4-tooth'd, prismatic.
Cor. grinning: with the upper lip
folded back on the sides. *Capsf.* 2-
cell'd, many-seeded. *Monkey-flower.*

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| <i>ringens.</i> | 1. M. erect, leaves oblong linear sessile. | <i>grinning.</i> |
| <i>luteus.</i> | 2. M. creeping, leaves egg'd. | <i>yellow.</i> |

784. RUELLIA. *Cal.* 5-parted. *Cor.* somewhat
bell'd. *Stamens* approximated by pairs.
Capsf. bursting with elastic teeth.

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|---------------------|---|------------------------|
| <i>Blechnum.</i> | 1. R. leaves egg'd most intire, spikes egg'd: interiour
bractes double, flowers twofold sessile. | |
| <i>strepens.</i> | 2. R. leaves petioled, peduncles three-flower'd short. | <i>creaking.</i> |
| <i>clandestina.</i> | 3. R. leaves petioled, peduncles long subdivided naked. | <i>clandestine.</i> |
| <i>paniculata.</i> | 4. R. leaves most intire, peduncles two-fork'd lateral,
calyxes sessile: the highest division greater. | <i>panicled.</i> |
| <i>tuberosa.</i> | 5. R. leaves egg'd notch'd, peduncles one-flower'd. | <i>tuberous.</i> |
| <i>tentaculata.</i> | 6. R. leaves inverse-egg'd, verticils fortified with thorns
unarm'd two-fork'd. | <i>having feelers.</i> |
| <i>ciliaris.</i> | 12. R. leaves tooth'd fringed, flowers opposite. | <i>fringed.</i> |
| <i>biflora.</i> | 7. R. flowers double subsessile. | <i>two-flower'd.</i> |
| <i>crispa.</i> | 8. R. leaves rather notch'd lance-egg'd, heads egg'd leafy
hispid, stem creeping | <i>curl'd.</i> |
| <i>repanda.</i> | 9. R. leaves lanced obtusely tooth'd petioled, stem
creeping. | <i>scallop'd.</i> |

468. TWO POWERS. SEED-COVER'D. *Ruellia*.

- ringens*. 10. R. leaves oblong most intire, flowers solitary sessile, stem procumbent. *grinning*.
- antipoda*. 11. R. leaves dagger-saw'd, stem creeping, flowers subspiked terminal twofold or threefold. *antipode*.
- repens*. 13. R. leaves lanced pointed most intire, flowers sessile, bractes petioled longer than the calyx, stem creeping. *creeping*.
- littoralis*. R. shrubby, hoary, leaves wedge-form saw'd retuse smooth, flowers axillary solitary subsessile. S. *strand*.
- difformis*. R. diffuse shaggy, leaves linear tooth-sinuuous intire, flowers verticil'd axillary. S. *different*.
- balsamica*. R. erect, smooth, leaves petioled lanced saw'd, verticils sessile. S. *balsamic*.
- uliginosa*. R. diffuse, shaggy, leaves sessile oblong intire, spikes terminal four-corner'd. S. *marsh*.
- pilosa*. R. leaves opposite egg'd intire fringed, flowers terminal solitary. S. *hairy*.
- depressa*. R. leaves opposite petioled inverse-egg'd intire, stem closely depress'd. S. *depress'd*.

785. *BARLERIA*. *Cal.* 4 - parted. *Stamens* 2 much less. *Capsf.* 4-angled, 2-cell'd? 2-valved, elastic without claws. *Seeds* 2.

- longifolia*. A. B. thorns of the verticils sixfold, leaves sword-form most long rugged. *long-leaved*.
- solanifolia*. 2. B. thorns axillary, leaves lanced toothletted. *solanum-leaved*.
- Hystrix*. 7. B. thorns axillary double simple, leaves most intire lance-egg'd. *Porcupine*.
- Prionitis*. 3. B. thorns axillary footted fourfold, leaves most intire lance-egg'd.
- buxifolia*. 4. B. thorns axillary opposite solitary, leaves roundish most intire. *bux-leaved*.
- cristata*. 5. B. leaves long most intire, two leaflets of the calyx broader fringed, and two linear acute. *crested*.
- coccinea*. 6. B. unarm'd, leaves egg'd toothletted petioled. *scarlet*.
- noctiflora*. B. thorns axillary branchy, leaves lanced most intire piked, bractes egg'd parch'd, tube elongate. S. *night-flowering*.

- pungens.* B. leaves egg'd acute pungent, bractes fringed, thorn none. S. *pungent.*
longiflora. B. unarm'd, leaves egg'd filky, bractes hearted parch'd, corols most long. S. *long-flower'd.*

786. DURANTA. *Cal.* five-cleft, above. *Berry* 4-seeded. *Seeds* 2-cell'd.

- Plumieri.* 1. D. calyxes fruit-growing contorted. *of Plumier.*
Elliptica. 2. D. calyxes fruit-growing erect.
Mutisii. D. leaves elliptic most intire. S. *of Mutis.*

787. OVIEDA. *Cal.* 5-cleft. *Cor.* tube subcylindric, above, most long. *Berry* globular, 2-seeded.

- spinosa.* 1. O. leaves oval tooth'd. *thorny.*
mitis. 2. O. leaves lanced rather scollop'd. *mild.*

788. VOLKAMERIA. *Cal.* 5-cleft. *Cor.* with divisions one-rank'd. *Berry* 2-seeded. *Seeds* 2-cell'd.

- aculeata.* 1. V. thorns with rudiments of petioles. *prickly.*
inermis. 2. V. branches unarm'd. *unarm'd.*
ferrata. 3. V. leaves broad-lanced saw'd sessile. *saw'd.*
scandens. V. leaves petioled hearted egg'd most intire, panicle corymbed terminal: branchlets two-fork'd. S. *climbing.*

789. CLERODENDRUM. *Cal.* 5-cleft, bell'd. *Cor.* with tube thread-form; border 5-parted, equal. *Stamens* most long, within the divisions most gaping. *Berry* 1-seeded.

- infortunatum.* 1. C. leaves hearted downy. *unfortunate.*
fortunatum. 2. C. leaves lanced most intire. *fortunate.*
calamitosum. 3. C. leaves oval rather tooth'd naked. *calamitous.*
paniculatum. 4. C. leaves lobed saw'd, panicle most ample. *panicked.*
Phlomidis. C. leaves egg'd saw'd hoary. S. *Phlomis.*

470. TWO POWERS. SEED-COVER'D. Vitex.

790. VITEX. *Cal.* 5-tooth'd. *Cor.* border 6-cleft. *Berry* 4-seeded. *Chaste-tree.*

Agnus castus. 1. V. leaves finger'd saw'd, spikes verticil'd. *chaste Lamb.*

trifolia. 2. V. leaves three'd and fived most intire, panicles two-fork'd. *three-leaved.*

Negundo. 3. V. leaves fived and three'd saw'd, flowers raceme-panicled.

pinnata. 4. V. flowers feather'd most intire, panicles three-fork'd: *feather'd.*

Leucoxylon. V. leaves finger'd fived: leaflets petioled oblong most intire, panicles two-fork'd, berry one-seeded. *S. White wood.*

trifolia. V. leaves three'd and fived: leaflets egg'd acute most intire hoary underneath, panicle with rachis straight: pedicels two-fork'd. *S. three-leaved.*

altissima. V. leaves three'd most intire, panicle verticil'd: spikes verticil'd, berry three-seeded. *S. most lofty.*

rotundifolia. V. leaves simple inverfe-egg'd most intire, peduncles axillary solitary one-flower'd most short. *S. round-leaved.*

791. BONTIA. *Cal.* 5-parted. *Cor.* two-lip'd: the under lip 3-parted, revolute. *Drupe* egg'd, one-seeded, with top oblique. *Seed* single.

daphnoides. 1. B. leaves alternate, peduncles one-flower'd. *daphne-like.*

1237. AVICENNIA. *Cal.* 5-parted. *Cor.* two-lip'd: upper lip squared. *Capsf.* leathery, rhomb-like, 1-seeded.

tomentosa. 1. A. leaves heart-egg'd downy underneath. *downy.*

nitida. 2. A. leaves lanced shining on both sides. *shining.*

792. CO-

792. COLUMNEA. *Cal.* 5-parted. Upper lip of the *Corol* vaulted, intire; gibbous above the base. *Anthers* connected. *Capsf.* 2-cell'd.

- scandens.* 1. C. corols most shaggy. *climbing.*
longifolia. 2. C. leaves lanced most long rather saw'd smooth. *long-leaved.*

793. ACANTHUS. *Cal.* two-leaved, 2-cleft. *Cor.* 1-lip'd, deflected, 3-cleft. *Capsf.* 2-cell'd.

- mollis.* 1. A. leaves sinuous unarm'd. *soft.*
spinosus. 2. A. leaves feather'd thorny. *thorny.*
Dioscoridis. 3. A. leaves lanced most intire thorny on the margin. *of Dioscorides.*
ilicifolius. 4. A. leaves scollop'd tooth-thorny, stem shrubby prickly. *ilicium-leaved.*
maderaspatensis. 5. A. leaves fourfold, flowers axillary, calyxes fringed.
carduifolius. A. leaves sinus-tooth'd thorny, spike of flowers radical. *S. thistle-leaved.*
integrifolius. A. leaves oblong intire, stem herbaceous procumbent. *S. intire-leaved.*
procumbens. A. leaves oblong saw-fringed, stem procumbent shrubby. *S. procumbent.*
furcatus. A. leaves oblong tooth-thorny, stem shrubby, bractes terminated by a three-fork'd thorn. *S. fork'd.*
capensis. A. leaves oblong tooth'd thorny, stem shrubby erect, bractes terminated by a simple thorn. *S. cape.*

794. PEDALIUM. *Cal.* 5-parted. *Cor.* somewhat grinning: with border 5-cleft. *Nut* corky, four-corner'd, thorny on the angles 2-cell'd. *Seeds* twofold.

- murex.* A. PEDALIUM. *murex.*

472. TWO POWERS. SEED-COVER'D. *Melianthus*.

795. MELIANTHUS. *Cal.* 5-leaved: the interior leaf gibbous. *Petals* 4; with the nectary beneath the lowest. *Caps.* 4-cell'd. *Honey-flower*.

major. 1. *M.* stipules solitary growing to the petiole. *greater.*
minor. 2. *M.* stipules double distinct. *less.*

1405. HEMIMERIS. *Caps.* two-cell'd: one cell more gibbous. *Cor.* wheel'd: one division greater inverse-hearted. The *Interstice of the Divisions* nectar-bearing, *S.*

fabulosa. *H.* two-male, leaves opposite feather-cleft, stem prostrate. *S.* *gravel.*
diffusa. *H.* two-powers, leaves alternate and opposite feather-cleft, stem spreading. *S.* *diffuse.*
montana. *H.* two-male, leaves opposite egg'd saw'd, stem erect. *S.* *mountain.*

1406 MILLINGTONIA. *Fruit* - - - - *Corol* most long: border four-cleft. *Margin of the calyx* reflected. *Anthers* two-parted sheathing. *S.*

hortensis MILLINGTONIA. *garden.*

1407. THUNBERGIA. *Cal.* double: the exterior two-leaved; the interior many-parted. *S.*

capensis. THUNBERGIA. *cape.*

1408. CAS-

1408. CASTILLEJA. *Perianth* one-leaved, tubular, longitudinally gaping. *Corol* grinning: under *lip* with two tubular *Glands*. *Capsule* 2-cell'd, with partition opposite, many-seeded. *S*.

fissifolia. C. leaves linear intire three-cleft at top, flowers racemed interspersed with bractes three-cleft. *S*.
slit-leaved.

integrifolia. C. leaves linear-awl'd most intire, and bractes undivided. *S*.
intire-leaved.

1409. AMASONIA. *Corol* tubular: *Border* small five-cleft. *Nut* egg'd, one-cell'd. *S*.

erecta. AMASONIA. *erect*.

C L A S S



C L A S S X V.

F O U R P O W E R S.

(*Tetradynamia.*)

W I T H S I L I C L E S.

(*Siliculosa.*)

* *Silicle intire, not end-nick'd at top.*

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|----------------|---|
| 800 DRABA | <i>Silic.</i> valvelets flattish. <i>Style</i> none. |
| 809 LUNARIA. | <i>Silic.</i> pedicel'd with valvelets flat. <i>Style</i> protruded. |
| 799 SUBULARIA. | <i>Silic.</i> valvelets half-egg'd. <i>Style</i> shorter than the <i>Silicle.</i> |
| 796 MYAGRUM. | <i>Silic.</i> valvelets concave. <i>Style</i> permanent |
| 797 VELLA, | <i>Silic.</i> valvelets shorter by half than the partition. |

** *Silicle end-nick'd at top.*

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|-------------|--|
| 804 IBERIS. | <i>Petals</i> the two exterior larger. |
|-------------|--|

805. ALYS-

- 805 ALYSSUM. *Filaments* some mark'd with a tooth on the
interiour side. *Silicle* two-cell'd.
- 807 CLYPEOLA. *Silic.* orbicular: deciduous, with valvelets
flat.
- 806 PELTARIA. *Silic.* orbicular, flat-compress'd, not gaping.
- 803 COCHLEARIA. *Silic.* hearted: valvelets obtuse, gibbous.
- 801 LEPIDIUM. *Silic.* hearted: valvelets acutely keel'd.
- 802 THLASPI. *Silic.* inverse-hearted: valvelets margin-
keel'd.
- 808 BISCUTELLA. *Silic.* two-lobed above and within, margin
keel'd.
- 798 ANASTATICA. *Silic.* retuse: valvelets longer than the dag-
ger'd partition.

W I T H S I L I Q U E S .

(*Siliquosæ.*)* *Calyx closed with leaflets longitudinally converging.*

- 822 RAPHANUS. *Silique* jointed.
- 814 ERYSIMUM. *Silique* four-corner'd.
- 815 CHEIRANTHUS. *Silique* with germ mark'd with a gland on
both sides.
- 817 HESPERIS. *Glands* within the shorter stamens. *Petals*
oblique.
- 818 ARABIS. *Glands* 4 within the calyx-leaflets. *Stigma*
simple.
- 820 BRASSICA. *Glands* 2 within the shorter stamens: 2 on
the out side the longer stamens.
- 819 TURRITIS. *Petals* erect.
- 811 DENTARIA. *Silique* with valves revolute-gaping.
- 810 RICOTIA. *Silique* one-cell'd.

* * *Calyx*

** *Calyx gaping with leaflets distant above.*

- 825 CRAMBE. *Siliques* deciduous, globular, dry-berried. *Filaments* 4 two-fork'd at top.
- 824 ISATIS. *Siliques* deciduous, lanced one-seeded.
- 823 BUNIAS. *Siliques* deciduous, roundish, murex'd.
- 826 CLEOME. *Siliques* gaping, one-cell'd.
- 812 CARDAMINE. *Siliques* gaping: valvelets revolute.
- 827 SINAPIS. *Siliques* gaping. *Cal.* expanding horizontally.
- 813 SISYMBRIUM. *Siliques* gaping: valvelets straightish. *Cal.* spreading.
- 816 HELIOPHILA. *Siliques* gaping. *Nectarics* 2, recurved.

796. MYAGRUM. *Silicle* terminating in a conic style; cell mostly one-seeded. *Gold of Pleasure.*

- perenne.* 1. M. filicles two-jointed one-seeded, leaves outwardly sinuous toothletted. *perennial.*
- orientale.* 2. M. filicles furrow'd polish'd, leaves oblong tooth-sinuous. *oriental.*
- rugosum.* 3. M. filicles furrow'd hairy wrinkled, leaves oblong obtuse tooth'd. *wrinkled.*
- hispanicum.* 4. M. filicles polish'd somewhat brawny, leaves lyred. *spanish.*
- perfoliatum.* 5. M. filicles inverse-hearted subsessile, leaves stem-clasping. *leaf-pierced.*
- fativum.* 6. M. filicles inverse-egg'd peduncled many-seeded. *cultivated.*
- paniculatum.* 7. M. filicles lens-form orbicular dot-wrinkled. *panicked.*
- saxatile.* 8. M. filicles lens-form inverse-egg'd smooth: leaves petioled oblong saw'd rugged, stem panicked. *rock.*
- ægyptium.* 9. M. filicles angular, leaves three-parted. *ægyptian.*

797. VELLA. *Silicle* with partition twice as large as the valvelets, egg'd without.

- annua.* 1. V. leaves feather-cleft, filicles pendulous. *annual.*
- Pseudo-Cytisus.* 2. V. leaves intire inverse-egg'd fringed, filicles erect. *mock-Cytisus.*

798. ANASTATICA. *Silicle* retuse, crown'd on the margin with valvelets twice as long as the partition. *Style* intermediate dagger'd, oblique: cells one-seeded.

- hierochuntica.* 1. A. leaves obtuse, spikes axillary most short, filicles claw'd thorny. *Fericho.*
- syriaca.* 2. A. leaves acute, spikes longer than the leaf, filicles egg'd beak'd. *syrian.*

478. FOUR POWERS. SILICLED. Subularia.

799. SUBULARIA. *Silicle* intire, egg'd: valves egg'd concave, contrary to the partitions. *Style* shorter than the silicle.

aquatica.

I. SUBULARIA.

aquatic.

800. DRABA. *Silicle* intire, oval oblong; valves flattish, parallel to the partition. *Style* none. *Whitlow-grass.*

- aizoides.* 7. D. scape naked simple, leaves sword-form keel'd fringed. *aizoon-like.*
- ciliaris.* 8. D. stem nakedish, leaves linear fringed on the margin and keel, petals intire. *fringed,*
- alpina.* 1. D. scape naked simple, leaves lanced most intire. *alpine.*
- verna.* 2. D. scape naked, leaves rather saw'd. *vernal.*
- pyrenaica.* 3. D. scape naked, leaves wedge-form handed three-lobed. *pyrenean.*
- nivalis.* 4. D. stem branchy, leaves egg'd sessile tooth'd. *wall.*
- hirta.* 5. D. scape one-leaved, leaves rather shaggy, filicles oblique pedicel'd. *shaggy.*
- incana.* 6. D. stem-leaves numerous hoary, filicles oblong oblique subsessile. *hoary.*

801. LEPIDIUM. *Silicle* end-nick'd, hearted, many-feeded: valvelets keel'd, contrary. *Dittander.*

- perfoliatum.* 1. L. stem-leaves feather-many-cleft, branch-bearing ones hearted stem-clasping intire. *leaf-pierced.*
- vesicarium.* 3. L. knots of the stems inflated. *bladder.*
- nudicaule.* 4. L. scape naked most simple, flowers four-male, leaves feather-cleft. *naked-stem.*
- procumbent.* 5. L. leaves sinuous feather-cleft with the extreme one larger, scape naked, stems prostrate raceme-bearing procumbent. *procumbent.*
- alpinum.* 6. L. leaves feather'd most intire, scape subradicated, filicles lanced dagger'd. *alpine.*
- petraeum.* 7. L. leaves feather'd most intire, petals end-nick'd less than the calyx. *rock.*

9. L.

TETRADYNAMIA. SILICULOSA. *Lepidium*. 479.

- cardamines*. 9. L. radical leaves feather'd, stem-leaves lyred. *lady's smock.*
- spinosum*. L. leaves feather'd: leaflets moon'd: the exterior ones elongated, branches dagger'd. *thorny.*
- fativum*. 8. L. flowers four-power'd, leaves oblong many-cleft. *cultivated.*
- lyratum*. 10. L. leaves lyred curl'd. *lyred.*
- latifolium*. 11. L. leaves egg-lanced intire saw'd. *broad-leaved.*
- subulatum*. 12. L. leaves awl'd undivided scatter'd, stem shrubbyish. *awl'd.*
- graminifolium*. 13. L. leaves linear: superiour ones most intire, stem paniced twiggy, flowers six male. *grass-leaved.*
- suffruticosum*. 18. L. leaves lance-linear slender most intire, stems shrubbyish. *shrubbyish.*
- didymum*. 19. L. leaves feather-cleft, stem erect, fruit double. *twin.*
- ruderale*. 14. L. flowers two-male petalless, radical leaves tooth-feather'd, branch-bearing ones linear most intire. *rubishy.*
- virginicum*. 15. L. flowers mostly three-male four-petal'd, leaves linear feather'd. *virginian.*
- Iberis*. 16. L. flowers two-male four-petal'd, inferiour leaves lanced saw'd; the superiour ones linear most intire.
- bonoriense*. 17. L. flowers two-male four-petal'd, leaves all feather-many-cleft. *bolognian*
- chalepense*. 2. L. leaves arrow'd sessile tooth'd.

802. THLASPI. *Silicle* end-nick'd, inverse-hearted, many-seeded: valvelets boated, edge-keel'd. *Mitbridate.*

- peregrinum*. 1. T. filicles suborbicular, leaves lanced most intire. *foreign.*
- arvense*. 2. T. filicles orbicular, leaves oblong tooth'd smooth. *field.*
- alliacæum*. 3. T. filicles rather egg'd bellied, leaves oblong obtuse tooth'd smooth. *garlick.*
- saxatile*. 4. T. filicles roundish, leaves lance-linear obtuse fleshy. *rock.*
- hirtum*. 5. T. filicles roundish hairy, stem-leaves arrow'd villous. *shaggy.*
- campestre*. 6. T. filicles roundish, leaves arrow'd tooth'd hoary. *champaign.*

480. FOUR POWERS. SILICLED. *Thlaspi*.

- montanum*. 7. T. filicles inverse-hearted, leaves smooth: radical leaves rather fleshy inverse-egg'd most intire, stem-leaves stem-clasping, corols larger than the calyx. *mountain.*
- perfoliatum*. 8. T. filicles inverse-hearted, stem-leaves hearted smooth rather tooth'd, petals the length of the calyx, stem branchy. *leaf-pierced.*
- alpestre*. 9. T. filicles inverse-hearted, leaves rather tooth'd: stem-leaves stem-clasping, petals the length of the calyx, stem simple. *alpine.*
- Bursa Paf-toris*. 10. T. filicles inverse-hearted, radical leaves feather-cleft. *Shepherd's Purse.*
- Ceratocarpon*. T. most smooth, stem furrow'd, leaves arrow'd lanced rather saw'd, filicles two-lobed. S. *Horn-fruit.*

803. COCHLEARIA. *Silicle* end-nick'd, turgid, rugged: valvelets gibbous, obtuse. *Spoonwort.*

- officinalis*. 1. C. radical leaves heart-roundish, stem-leaves oblong subsinuous. *Scurvy-grass. officinal.*
- danica*. 3. C. leaves halbert-angled: all delta-like. *danish.*
- anglica*. 2. C. leaves all egg-lanced. *english.*
- groenlandica*. 4. C. leaves kidney-form intire fleshy. *greenland.*
- Coronopus*. 4. C. leaves feather-cleft, stem depress'd.
- Armoracia*. 5. C. radical leaves lanced notch'd, stem-leaves gash'd. *Horse-radish.*
- Glastifolia*. 7. C. stem-leaves heart-arrow'd stem-clasping. *Glastum-leaved.*
- Draba*. 8. C. leaves lanced stem-clasping tooth'd. *Whitlow.*

804. IBERIS. *Cor.* irregular: the 2 exterior petals larger. *Silicle* many-seeded, end-nick'd. *Candytuft.*

- semperflorens*. 1. I. shrubby, leaves wedge-form most intire obtuse. *ever-flowering.*
- sempervirens*. 2. I. shrubby, leaves linear acute most intire. *ever-green.*
- gibraltarica*. 4. I. shrubby, leaves tooth'd at top. *gibraltar.*
- saxatilis*. 3. I. shrubbyish, leaves lance-linear fleshy acute most intire fringed. *rock.*

5. I.

- rotundifolia.* 5. I. herbaceous, leaves egg'd : stem-leaves stem-clasp-
ing polish'd juicy. *round-leaved.*
- umbellata.* 7. I. herbaceous, leaves lanced pointed: the inferiour
ones saw'd; the superiour ones most intire.
umbel'd.
- amara.* 8. I. herbaceous, leaves lanced acute rather tooth'd,
flowers racemed. *bitter.*
- linifolia.* 6. I. herbaceous, leaves linear most intire, stem-leaves
saw'd, stem panicled, corymbes hemispheric.
flax-leaved.
- odorata.* 9. I herbaceous, leaves linear dilated above saw'd.
odorous.
- arabica.* 10. I. herbaceous, leaves egg'd smooth veinless most intire,
silicles two-lobed at top and bottom. *arabian.*
- nudicaulis.* 12. I. herbaceous, leaves sinuous, stem naked simple..
naked-stem.
- pinnata.* 11. I. herbaceous, leaves feather-cleft. *feather'd.*

805. ALYSSUM. *Filaments* some mark'd inwardly
with a toothlet. *Silicle* end-nick'd.
Madwort.

* *Shrubbyish.*

- spinosum.* 1. A. the old racemes thorn-form naked. *thorny.*
- balimifolium.* 3. A. stems procumbent perennial, leaves lance-linear
acute most intire. *balimus-leaved.*
- saxatile.* 4. A. stems shrubby panicled, leaves lanced most soft
scollop'd. *rock.*
- alpestre.* A. stems shrubbyish diffuse, leaves roundish hoary,
calyxes colour'd. *alpine.*

* * *Herbaceous.*

- hyberbore-um.* 14. A. stems herbaceous, leaves hoary tooth'd, stamens
four two-fork'd. *northern.*
- incanum.* 6. A. stem erect, leaves lanced hoary most intire, flowers
corymbed, petals two-cleft. *hoary.*
- minimum.* 7. A. stems herbaceous diffuse, leaves linear downy,
silicles compress'd. *smallest.*
- calycynum.* 8. A. stems herbaceous, stamens all tooth'd, calyxes
permanent. *calyx'd.*

2. A.

482. FOUR POWERS. SILICLED. Alyssum.

- montanum*. 2. A. stems herbaceous diffuse, leaves sublanced dot-hedgehog'd. *mountain.*
- campestre*. 9. A. stem herbaceous, stemens guarded with a pair of bristles, calyxes deciduous, *champaign.*
- clypeatum*. 10. A. stem erect herbaceous, silicles sessile oval flat-compress'd, petals pointed linear. *shield-like.*

*** *Silicles inflated, or calyxes oblong closed.*

- sinuatum*. 11. A. stem herbaceous, leaves lance-delta-like, silicles inflated. *sinuous.*
- creticum*. 15. A. stem shrubby, leaves lanced rather tooth'd downy, silicles inflated globular. *cretan.*
- gemovense*. 17. A. stem herbaceous, branches divaricated, radical leaves inverse-egg'd rather downy, silicles inflated.
- utriculatum*. 12. A. stem herbaceous erect, leaves polish'd lanced most intire, silicles inflated. *bladder'd.*
- Vesicaria*. 13. A. leaves linear tooth'd, silicles inflated angled acute.
- deltoidum*. 5. A. stems shrubbyish prostrate, leaves lance-delta-like, silicles shaggy. *delta-like.*

807. CLYPEOLA. *Silicle* end-nick'd, orbicular, flat-compress'd, deciduous.

- Ionthlaspi*. 1. C. silicles orbicular one-cell'd one-seeded.
- tomentosa*. 3. C. silicles orbicular two-cell'd, leaves rather downy. *downy.*
- maritima*. 2. C. perennial, silicles two-cell'd egg'd two-seeded. *sea.*

806. PELTARIA. *Silicle* intire, suborbicular, flat-compress'd, not gaping.

- alliacea*. P. leaves stem-clasping oblong undivided. S. *garlick.*
- capensis*. P. stem-leaves five-feather'd linear rather fleshy. S. *cape.*

808. BISCUTELLA. *Silicle* flat-compress'd, rounded, two-lobed above and below. *Cal.* leaflets gibbous at the base.

- | | | |
|-----------------------|---|--------------------------|
| <i>auriculata.</i> | 1. B. calyxes gibbous on each side with the nectary, filicles running into the style. | <i>auricled.</i> |
| <i>apula.</i> | 2. B. filicles rugged, leaves lanced sessile saw'd. | <i>apulian.</i> |
| <i>lyrata.</i> | B. filicles rugged, leaves lyred. | <i>lyred.</i> |
| <i>coronopifolia.</i> | B. filicles smooth, leaves tooth'd shaggy. | <i>coronopus-leaved.</i> |
| <i>laevigata.</i> | B. filicles smooth, leaves lanced saw'd. | <i>polish'd.</i> |
| <i>sempervirens.</i> | B. filicles ruggedish, leaves lanced downy. | <i>ever-green.</i> |

809. LUNARIA. *Silicle* intire, elliptic, flat-compress'd, pedicel'd: valves equal to the partition, parallel, flat. *Cal.* leaflets bag'd. *Moon-wort.*

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|------------------|-------------------------|-------------------|
| <i>rediviva.</i> | 1. L. leaves alternate. | <i>perennial.</i> |
| <i>annua.</i> | 2. L. leaves opposite. | <i>annual.</i> |

S I L I Q U E D.

(*Siliquosa.*)

810. RICOTIA. *Silique* one-cell'd, oblong, compress'd; valvelets flat.

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| <i>egyptiaca.</i> | 1. RICOTIA. | <i>egyptian.</i> |
|-------------------|-------------|------------------|

811. DEN-

811. DENTARIA. *Siliqua* elasticly bursting with valvelets revolute. *Stigma* end-nick'd. *Cal.* longitudinally converging. *Toothwort.*

- enneaphylla.* 1. D. leaves threefold three'd. *nine-leaved.*
bulbifera. 2. D. the inferiour leaves feather'd, the highest ones simple. *bulb-bearing.*
pentaphyllos. 3. D. the highest leaves finger'd. *five-leaved.*

812. CARDAMINE. *Siliqua* elasticly bursting with valvelets revolute. *Stigma* intire. *Cal.* rather gaping. *Lady's-Smock.*

* *With leaves simple.*

- bellidifolia.* 1. C. leaves simple egg'd most intire: petioles long. *daisy-leaved.*
asarifolia. 2. C. leaves simple rather hearted. *Asarum-leaved.*
nudicaulis. 3. C. leaves simple lanced sinous-tooth'd, stems naked. *naked-stem.*
petræa. 4. C. leaves simple oblong tooth'd. *rock.*

** *With leaves three'd.*

- resedifolia.* 5. C. the inferiour leaves undivided, superiour three-lobed and feather'd. *reseda-leaved.*
trifolia. 6. C. leaves three'd obtuse, stem nakedish. *three-leaved.*
africana. 7. C. leaves three'd pointed, stem most branchy. *african.*

*** *With leaves feather'd.*

- chelidonia.* 8. C. leaves feather'd: leaflets fivefold gash'd. *celandine.*
impatiens. 9. C. leaves feather'd gash'd stipuled, flowers petallefs. *impatient.*
parviflora. 10. C. leaves feather'd unstipuled, leaflets lanced obtuse, flowers corol'd. *small-flower'd.*
græca. 11. C. leaves feather'd: leaflets handed equal petioled. *greek.*
hirsuta. 12. C. leaves feather'd, flowers four-male. *shaggy.*
pratensis. 13. C. leaves feather'd: radical leaflets roundish, stem-leaves lanced. *meadow.*
amara. 14. C. leaves feather'd, axils stole-bearing. *bitter.*
virginica. 15. C. leaves feather'd: leaflets lanced one-tooth'd at the base. *virginian.*

813. SISYMBRIUM. *Siliques* gaping with valvelets straightish. *Calyx* expanding. *Corol* expanding. *Cress*.

* *Siliques declining short.*

- Nasturtium*. 1. S. filiques declining, leaves feather'd: leaflets somewhat hearted. *Water-cress*.
silvestre. 4. S. filiques declining oblong - egg'd, leaflets lanced saw'd. *wood*.
amphibium. 5. S. filiques declining oblong-egg'd, leaflets feather-cleft saw'd. *amphibious*.
pyrenaicum. 3. S. filiques rather egg'd, the inferiour leaves lyred, the superiour twice - feather-cleft stem - clasping, styles thread-form. *pyrenean*.
tanacetifolium. 2. S. leaves feather'd: leaflets lanced gash-saw'd: the outmost confluent. *tansy-leaved*.
tenuifolium. 6. S. leaves most intire: the lowest thrice-feather-cleft, the highest intire. *slender-leaved*.

** *Siliques sessile axillary.*

- supinum*. 8. S. leaves axillary subsessile solitary tooth - sinuous. *supine*.
polycerati-um. 10. S. filiques axillary sessile awl'd aggregate, leaves scollop-tooth'd. *many-horn'd*.
purshifolium. 9. S. raceme flexuous, leaves lyred, stem erect leafy. *purse-leaved*.

*** *Stem naked.*

- murale*. 11. S. nearly stemless, leaves lanced sinous-saw'd smoothish, scapes ruggedish ascending. *wall*.
monense. 12. S. stemless, leaves feather-tooth'd rather hairy, scapes polish'd. *anglesea*.
vimineum. 13. S. stemless, leaves lyred polish'd, scapes ascending, flowers minute. *twiggy*.
Barrelieri. 14. S. stem roundish branchy, radical leaves runcinate tooth'd hispid. *of Barrelier*.
arcuosum. 15. S. stem rather leafy branchy, leaves lyred right angle-tooth'd hispid: hairs branchy. *sand*.
valentinum. 16. S. stem simple erect smooth above, leaves lanced hispid tooth'd before. *valentia*.

* * * * * *With leaves feather'd.*

- Parra.* S. stem-growing, leaves runcinate murex'd.
asperum. 17. S. filiques rugged, leaves feather-cleft: feathers linear-lanced rather tooth'd, corols longer than the calyx. *rough.*
- Sophia.* 18. S. petals less than the calyx, leaves decompound-feather'd. *Flix-weed.*
- alitifimum.* 19. S. leaves runcinate flaccid: leaflets sublinear most intire, peduncles loose. *most lofty.*
- Irio.* 21. S. leaves runcinate tooth'd naked, stem polish'd, filiques erect.
- Loeselii.* 22. S. leaves runcinate acute shaggy, stem hispid. *of Loeselius.*
- orientale.* 20. S. leaves runcinate downy, stem polish'd. *oriental.*
- barbareæ.* 23. S. leaves simple stipule-egg'd tooth'd stem-clasping naked. *Barbarea.*
- catholicum.* 24. S. filiques thread-form polish'd, leaves feather'd tooth-letted on the stem. *catholic.*

* * * * * *With leaves lanced intire.*

- strictissimum.* 15. S. leaves lanced tooth-saw'd on the stem. *most upright.*
- integrifolium.* 16. S. leaves linear most intire, peduncles glutinous-hispid. *whole-leaved.*
- indicum.* 26. S. leaves lance-egg'd saw'd petioled polish'd, filiques rather bow'd. *indian.*

814. ERYSIMUM. *Siliques* columnar, exactly four-sided. *Cal.* closed.

- officinale.* 1. E. filiques appress'd to the spike, leaves runcinate. *officinal.*
- Barbarea.* 2. E. leaves lyred: the outmost roundish.
- Alliaria.* 3. E. leaves hearted. *Garlic.*
- repandum.* 4. E. leaves lanced tooth'd, racemes leaf-oppoed, filiques racemed subsessile, corols minute. *scollop'd.*
- cheiranthoides.* 5. E. leaves lanced most intire, filiques spreading. *wallflower-like.*
- hieracifolium.* 6. E. leaves lanced saw'd. *Hawkweed-like.*

815. CHEIRANTHUS. *Germ* with a glandular toothlet at each side. *Cal.* closed: two leaflets gibbous at the base. *Seeds* flat. *Wallflower.*

- Erysimoides.* 2. C. leaves lanced tooth'd naked, stem erect most simple, filiques four-corner'd. *Erysimum-like.*
- alpinus.* 14. C. leaves linear intire rather downy, stem branchy. *alpine.*
- Cheiri.* 2. C. leaves lanced acute smooth, branches angled, stem shrubby.
- fruticulofus.* 15. C. leaves lanced acute smooth rather saw'd, stem shrubby. *shrubbyish.*
- chius.* 3. C. leaves inverse-egg'd veinless end-nick'd, filiques awl'd at top. *chion.*
- maritimus.* 4. C. leaves elliptic obtuse naked ruggedish, stem diffuse rugged. *sea.*
- salinus.* 15. C. leaves lanced obtuse most intire, stem erect, anthers included. *saline.*
- incanus.* 6. C. leaves lanced most intire obtuse hoary, filiques lop'd at top compress'd, stem shrubbyish. *hoary.*
- fenestralis.* 5. C. leaves head-crowded recurved waved, stem undivided. *window.*
- annuus.* 7. C. leaves lanced rather tooth'd obtuse hoary, filiques cylindric acute at top, stem herbaceous. *annual.*
- littoreus.* 10. C. leaves lanced rather tooth'd somewhat downy, rather fleshy, petals end-nick'd, filiques downy. *strand.*
- tristis.* 8. C. leaves linear subsinuuous, flowers sessile: petals waved, stem shrubby. *sorrowful.*
- trilobus.* 9. C. leaves tooth'd obtuse, calyxes polish'd, filiques knotty dagger'd thread-form polish'd. *three-lobed.*
- lacerus.* 13. C. leaves lanced runcinate, calyxes hairy, filiques knotty three-tooth'd. *torn.*
- tricuspidatus.* 12. C. leaves lyred, filiques three-tooth'd at top. *three-piked.*
- sinuatus.* 11. C. leaves downy obtuse subsinuuous: branch-leaves intire, filiques murex'd. *sinuous.*
- Farfetia.* 17. C. filiques oval compress'd, leaves linear-lanced, stem shrubby erect.

488. FOUR POWERS. SILIQUED. *Cheiranthus*.

- strictus*. C. leaves linear acute smooth, stem shrubby erect. S. *upright*.
callosus. C. leaves lanced intire callous, stem angled shrubby. S. *callous*.

816. HELIOPHILA. *Nectaries* 2. recurved towards the bladdery base of the calyx.

- integrifolia*. 1. H. leaves lanced undivided. *whole-leaved*.
coronopifolia. 2. H. leaves linear feather-cleft. *coronopus-leaved*.
digitata. H. leaves hand-feather-cleft villous: feathers linear. S. *finger'd*.
amplexicaulis. H. leaves stem-clasping intire smooth, filiques necklace-form. S. *stem-clasping*.
filiformis. H. leaves awl'd thread-form smooth, filiques pendulous, branches divaricated. S. *thread-form*.
pusilla. H. leaves linear, filiques necklace-form erect. S. *puny*.
pinnata. H. leaves three-cleft and feather'd: leaflets linear, filiques necklace-form erect. S. *feather'd*.
flava. H. leaves linear, stems shrubby rushy. S. *yellow*.
Circæoides. H. leaves hearted. S. *Circæa-like*.

817. HESPERIS. *Petals* obliquely bent. *Gland* within the shorter stamens. *Siliques* upright: *Stigma* two-fork'd at the base with top converging. *Cal.* closed.

- tristis*. 1. H. stem hispid branch-spreading. *sorrowful*.
matronalis. 2. H. stem simple erect, leaves egg-lanced toothletted, petals end-nick'd with a dagger. *matron*.
inodora. 4. H. stem simple erect, leaves rather halberted tooth'd, petals obtuse. *inodorous*.
africana. 5. H. stem most branchy diffuse, leaves lanced petioled acutely tooth'd rugged, filiques sessile. *african*.
verna. 7. H. stem erect branchy, leaves hearted stem-clasping saw'd villous. *vernal*.
lacera. H. leaves runcinate, filiques three-piked. *torn*.

818. ARABIS. *Glands* nectar-bearing four, each within the leaflets of the calyx, like a reflected Scale.

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| <i>alpina.</i> | 1. A. leaves stem-clasping tooth'd. | <i>alpine.</i> |
| <i>grandiflora.</i> | 2. A. stem naked. | <i>great-flower'd.</i> |
| <i>thaliana.</i> | 3. A. leaves petioled lanced most intire. | <i>thalia.</i> |
| <i>bellidifolia.</i> | 9. A. leaves rather tooth'd : radical leaves inverfe-egg'd ; stem-leaves lanced. | <i>daisy-leaved.</i> |
| <i>lyrata.</i> | 4. A. leaves smooth : radical leaves lyred ; stem-leaves linear. | <i>lyred.</i> |
| <i>hispida.</i> | A. leaves hispid : radical leaves sublyred ; stem-leaves lanced. | <i>hispid.</i> |
| <i>Halleri.</i> | 5. A. stem-leaves sublyred : branch-leaves lanced gath'd. | <i>of Haller.</i> |
| <i>canadensis.</i> | 6. A. stem-leaves lanced tooth'd smooth, flowers pendulous. | <i>canadian.</i> |
| <i>pendula.</i> | 7. A. leaves stem-clasping, filiques two-edged linear, calyxes rather hairy. | <i>pendulous.</i> |
| <i>Turrita.</i> | 8. A. leaves stem-clasping, filiques decurved flat linear, calyxes rather wrinkled. | <i>Tower.</i> |
| <i>hispida.</i> | A. leaves hispid : radical leaves runcinate, stem-leaves lanced. S. | <i>hispid.</i> |
| <i>lucida.</i> | A. leaves stem-clasping lucid. S. | <i>lucid.</i> |

819. TURRITIS. *Silique* most long, angled. *Cal.* converging, erect. *Cor.* erect. *Tower.*

- | | | |
|-----------------|---|----------------|
| <i>glabra.</i> | 1. T. radical leaves tooth'd hispid : stem-leaves most intire stem-clasping smooth. | <i>smooth.</i> |
| <i>hirsuta.</i> | 2. T. leaves all hispid, stem-leaves stem-clasping. | <i>shaggy.</i> |
| <i>alpina.</i> | 3. T. radical leaves tooth'd hispid, stem-leaves half-stem-clasping. | <i>alpine.</i> |

820. BRASSICA. *Cal.* erect converging. *Seeds* globular. *Gland* between the shorter stamens and pistil, and between the longer ones and the calyx. *Cabbage.*

* *With Style obtusish.*

- orientalis.* 1. B. leaves hearted stem-clasping smooth : radical leaves rugged most intire, filiques four-corner'd. *oriental.*
- campestris.* 2. B. root and stem slender, stem-leaves uniform hearted sessile. *champaign.*
- arvensis.* 11. B. leaves stem-clasping with spathlets scollop'd : the highest hearted most intire. *field.*
- alpina.* 13. B. stem-leaves heart-arrow'd stem-clasping, radical leaves egg'd, petals erect. *alpine.*
- Napus.* 3. B. root stem-growing spindle-form. *Nape.*
- Rapa.* 4. B. root stem - growing orbicular depre's'd fleshy. *Turnep.*
- oleracea.* 5. B. root stem-growing columnar fleshy. *pot-herb.*
- chinensis.* 6. B. leaves oval very intire : floral leaves stem-clasping lanced, calyxes longer than the claw of the petals. *china.*
- violacea.* 7. B. leaves lance-egg'd smooth undivided tooth'd. *violet.*

** *Siliques of Eruca with Style sword-form.*

- Erucastrum.* 8. B. leaves runcinate, stem hispid, filiques polish'd.
- Eruca.* 9. B. leaves lyred, stem shaggy, filiques smooth. *Rocket.*
- vescaria.* 10. B. leaves runcinate, filiques hispid cover'd with a tumid calyx. *bladder.*

821. SINAPIS. *Cal.* expanding. Claws of the *Corol* straight. *Gland* between the shorter stamens and the pistil, and between the longer and the calyx. *Mustard.*

- arvensis.* 1. S. filiques many-angled brawny-turgid polish'd longer than the two-edged beak. *field.*
- A. S.*

- orientalis.* A. S. filiques hispid backwards rather at the point four-corner'd compress'd. *oriental.*
- brassicata.* S. leaves inverfe-egg'd toothletted polish'd. *Cabbage.*
- alba.* 2. S. filiques hispid : beak oblique most long sword-form. *white.*
- nigra.* 3. S. filiques smooth appress'd to the raceme. *black.*
- pyrenaica.* 5. S. filiques striated rugged, leaves runcinate polish'd. *pyrenean.*
- pubescens.* 11. S. filiques pubescent erect with beak compress'd, leaves lyred villous. *pubescent.*
- chinensis.* 12. S. filiques polish'd rather jointed spreading, leaves lyre-runcinate rather shaggy. *china.*
- juncea.* 6. S. branches fascicled, highest leaves lanced most intire. *rush.*
- erucoides.* 9. S. filiques polish'd equal, leaves lyred oblong smooth, stem rugged. *eruca-like.*
- hispanica.* 10. S. leaves double-feather'd : divisions linear. *spanish.*
- incana.* 7. S. filiques appress'd to the raceme polish'd, the inferior leaves lyred rugged ; the highest lanced, stem rugged. *hoary.*
- laevigata.* 8. S. filiques polish'd spreading, leaves lyred smooth : the highest lanced, stem polish'd. *polish'd.*

822. RAPHANUS. *Cal.* closed. *Siliqua* brawny, rather jointed, columnar. Two honey-bearing *Glands* between the shorter stamens and the pistil; as many between the longer stamens and the calyx. *Radish.*

- sativus.* 1. R. filiques columnar brawny two-cell'd. *cultivated.*
- caudatus.* R. filiques decumbent longer than the whole plant. *tail'd.*
- Raphanistrum.* 2. R. filiques columnar jointed polish'd once-cell'd.
- sibiricus.* 3. R. filiques columnar wreath'd villous, leaves linear feather-cleft. *siberian.*
- Erucoides.* R. filiques egg'd gibbous, beak the length of the filique. S. *Rocket-like.*

823. BUNIAS. *Silicle* deciduous, four-sided, murex'd with angles unequal pointed.

- cornuta.* 1. B. filicles divaricate-two-horn'd thorny at the base.
horn'd.
- spinosa.* 5. B. racemes thorn-growing. thorny.
- Erucago.* 2. B. filicles four-corner'd : angles two-crested.
- orientalis.* 3. B. filicles egg'd gibbous warted. oriental.
- Cakile.* 4. B. filicles egg'd polish'd two-edged.
- myagroides.* 5. B. filicles two-jointed two-egg'd wreath'd above,
leaves with sinuses reflected. myagrums-like.
- ægyptiaca.* B. filicles four-corner'd every where wart-murex'd,
leaves runcinate. egyptian.
- balearica.* 6. B. filicles hispid, leaves feather'd : leaflets rather
tooth'd. minorca.

824. ISATIS. *Siliqua* lanced, one-cell'd, 1-seeded, deciduous, two-valved : valvelets boat-ed. *Woad.*

- tinctoria.* 1. I. radical leaves notch'd ; stem-leaves arrow'd, filicles
oblong. dyer's.
- lusitanica.* 2. I. radical leaves notch'd, stem-leaves arrow'd, peduncles
rather downy. portugal.
- armena.* 3. I. leaves most intire hearted obtuse behind, filicles
hearted. Armenia.
- ægyptiaca.* 4. I. leaves all tooth'd. egyptian.

825. CRAMBE. *Filaments* 4 longer two-fork'd at top : one anther-bearing. *Berry* dry, globular, deciduous. *Colewort.*

- maritima.* 1. C. leaves and stem smooth. sea.
- orientalis.* 2. C. leaves rugged, stem smooth. oriental.
- hispanica.* 3. C. leaves and stem rugged. spanish.
- fruticosa.* C. shrubby, leaves egg'd feather-cleft saw'd hoary,
racemes in a diffuse two-fork'd panicle. S.
shrubby.

§26. CLEOME. Three nectar-bearing *Glands*, one at each sinus of the calyx, the lowest excepted. *Petals* all ascending. *Siliques* 1-cell'd, 2-valved.

- fruticosa*. 1. C. flowers feminine-male four-male, leaves simple, stem shrubby. *shrubby.*
- heptaphylla*. 2. C. flowers feminine - male, leaves nearly seven'd, stem prickly. *seven-leaved.*
- pentaphylla*. 3. C. flowers feminine-male, leaves fived, stem unarm'd. *five-leaved.*
- triphylla*. 4. C. flowers feminine-male, leaves three'd, stem unarm'd. *three-leaved.*
- polygama*. 8. C. superiour flowers four - male masculine, leaves three'd: leaflets sessile rather prickly on the margin. *polygamy.*
- icosandra*. 5. C. flowers twenty four-male leaves fived. *twenty-male.*
- viscosa*. 6. C. flowers twelve-male, leaves fived and three'd. *viscous.*
- dodecandria*. 7. C. flowers twelve-male, leaves three'd. *twelve-male.*
- gigantea*. C. flowers six-male, leaves seven'd, stem unarm'd. *giant.*
- aculeata*. C, flowers six-male, leaves three'd most intire, stipules thorn-growing. *prickly.*
- spinosa*. 9. C. flowers six-male, leaves seven'd and fived, stem thorny. *thorny.*
- ferrata*. 10. C. flowers six-male, leaves three'd: leaflets linear-lanced saw'd. *saw'd.*
- ornithopodioides*. 12. C. flowers six-male, leaves three'd: leaflets oval-lanced. *bird's-foot-like.*
- violacea*. 13. C. flowers six-male, leaves three'd and solitary: leaflets lance-linear most intire. *violet.*
- arabica*. 11. C. flowers six-male, leaves three'd lanced obtuse, filiques spindle-form viscous-rugged. *arabian.*
- monophylla*. 14. C. flowers six-male, leaves simple egg-lanced petioled. *one-leaved.*
- capensis*. 15. C. flowers six-male, leaves simple sessile linear-lanced, stem angled. *cape.*

494. FOUR POWERS. SILIQUED. Cleome.

- procumbens*. 19. C. flowers six-male, leaves simple lanced petioled, stems procumbent. *procumbent.*
- Chelidonii*. C. many-male shaggy, leaflets fivefold or sevenfold wedge-form rugged, racemes terminal, siliques thread-form. S *Celandine.*
- felina*. C. many - male hispid, leaves three'd wedge - form lance-prickled, flowers axillary solitary peduncled, siliques linear compress'd. S. *cat.*
- juncea*. C. shrubby leafless, corymbes lateral, fructification elongated feminine-male eight-male, siliques linear downy. S. *rush.*
- tenella*. C. leaves three'd thread-form linear. S. *tender.*

C L A S S



C L A S S X V I .

ONE BROTHERHOOD.

(*Monadelphia.*)

T H R E E M A L E S .

(*Triandria.*)

1410 APHYTEIA.

Cal. large. *Petals* three, inserted in the throat of the tube of the calyx. S

F I V E M A L E S .

(*Pentandria.*)

1318 LERCHEA.

One-female. *Capsf.* 3-cell'd, many-seeded.

827 WALTHERIA.

One-female. *Capsf.* 1-cell'd, 1-seeded.

828 HERMANIA.

Five-female. *Cpsf.* 5-cell'd, 1-seeded. *Petals* cowl'd, oblique.

829 MELOCHIA.

Five-female. *Capsf.* 5-cell'd, 1-seeded.

1411 SYMPHONIA.

One-female. *Corol* globular. *Berry* 5-cell'd. S

S E V E N M A L E S.

(*Heptandria.*)

* *African Geraniums*

E I G H T M A L E S.

(*Octandria.*)

1412 AYTONIA. One-female. *Cal.* 4-parted. *Cor.* 4-petal'd.
Berry many-seeded. S

T E N M A L E S.

(*Decandria.*)

830 CONNARUS. One-female. *Ligume* 1-cell'd. *Stamens* al-
ternate most short.
832 GERANIUM. One-female. *Caps.* 5-grain'd, beak'd.
831 HUGONIA. Five-female. *Caps.* 1-seeded. *Stamens* in a
pitcher.

E L E V E N M A L E S.

(*Endecandria.*)

833 BROWNEA. One-female. *Cal.* 5-cleft. The exterior
corol 5-cleft: the interior 5-petal'd.

TWELVE

T W E L V E M A L E S .

(Dodecandria.)

- 834 PENTAPETES. One-female. *Caps.* 5-cell'd, many-seeded.
Stamens 5 elongate, colour'd.

M A N Y M A L E S .

(Polyandria.)

- 1344 GORDONIA. One-female. *Cal.* simple, 5-leaved. *Caps.*
5-cell'd. *Seeds* twofold, wing'd.
- 642 MORISONIA. One-female. *Cal.* simple, 2-cleft. *Berry*
capsuled, pedicel'd. *Style* 1. *Petals* 4.
- 665 MESUA. One-female. *Cal.* simple, 4-leaved. *Nut*
four-corner'd, 1-seeded. *Pistil* 1.
Petals 4.
- 847 STEWARTIA. Five-female. *Cal.* simple, expanding. *Caps.*
cell'd. *Seeds* solitary.
- 837 SIDA. Mostly one-female. *Cal.* simple angled. *Caps.*
cell'd, 1-seeded.
- 335 BOMBAX. One-female. *Cal.* simple. *Caps.* 5-cell'd,
many-seeded. *Style* undivided. *Seeds*
woolly.
- 836 ADANSONIA. One-female. *Cal.* simple. *Caps.* cell'd,
many-seeded: with a farinaceous pulp.
- 845 GOSSYPIUM. One-female. The exterior *Calyx* 3-cleft.
Caps. cell'd, many-seeded, coadjoin'd.
- 842 LAVATERA. Many-female. The exterior *Calyx* 3-cleft.
Arils 1-seeded, verticil'd.
- 1266 MALACRA. Many-female. The exterior *Calyx* three-
leaved: *Arils* 5, one-seeded.
- 841 MALVA. Many-female. The exterior *Calyx* three-
leaved. *Arils* 1-seeded verticil'd.

- 843 MALOPE. Many-female. The exterior *Calyx* 3-leaved. *Arils* 1-seeded, conglomerated.
- 844 URENA. One-female. The exterior *Calyx* 5-cleft. *Arils* 1-seeded, murex'd, fivefold
- 840 ALCEA. Many-female. The exterior *Calyx* 6-cleft. *Arils* 1-seeded, very numerous.
- 846 HIBISCUS. One-female. The exterior *Calyx* 8-cleft. *Caps.* with cells many-seeded, coadjoin'd.
- 839 ALTHEA. Many-female. The exterior *Calyx* 9-cleft. *Arils* 1-seeded, verticil'd.
- 848 CAMELLIA. One-female. The exterior *Calyx* imbricated. *Caps.* with cells many-seeded. *Style* undivided.
- 1413 BARRINGTONIA. One-female. *Cal.* two-leaved, above, *Drupe*. *S.*
- 1414 GUSTAVIA. One-female. *Cal.* none. *Petals* very numerous. *Berry* many-cell'd. *S.*
- 1415 CAROLINEA. One-female. *Cal.* tubular. *Petals* sword-form. *Pome* five-furrow'd, 2-cell'd, *S.*

T H R E E M A L E S.

(*Triandria.*)

1410. APHYTEIA. *Cal.* large, funnel-form, half-three-cleft. *Petals* three, inserted in the throat of the tube of the calyx, and shorter than it. *S.*

Hydnora. APHYTEIA.

F I V E M A L E S.

(*Pentandria.*)

1318. LERCHEA. *Cal.* 5-tooth'd, *Cor.* funnel-form 5-cleft. *Anthers* 5 sitting on the tube of the germ. *Style* 1. *Capsf.* 3-cell'd, many-seeded.

longicauda. LERCHEA. *long-tail.*

827. WALTHERIA. One-female. *Capsf.* 1-cell'd, 2-valved, one-seeded.

americana. 1. *W.* leaves oval plaited saw-tooth'd downy, heads peduncled. *american.*

angustifolia. *A. W.* leaves lanced saw'd naked. *narrow-leaved.*

indica. 2. *W.* leaves egg'd saw'd plaited, heads sessile. *indian.*

828. HER-

828. HERMANNIA. Five - female. *Capsf.* 5-cell'd. *Petals* semitubular at the base, oblique.

- althæifolia.* 1. H. leaves egg'd plaited notch'd downy, *althæa-leaved.*
trifurca. 3. H. leaves lanced intire and three-tooth'd racemes one-rank'd. *three-fork'd.*
alnifolia. 2. H. leaves wedge-form lined plaited notch-end-nick'd. *alder-leaved.*
byssopifolia. 4. H. leaves lanced obtuse saw'd. *byssop-leaved.*
lavandulifolia. 5. H. leaves lanced obtuse most intire. *lavander-leaved.*
linifolia. H. leaves linear, peduncles one-flower'd. *flax-leaved.*
trifoliata. 6. H. leaves three'd sessile plaited retuse downy. *three-foliaged.*
triphylla. 7. H. leaves three'd petioled flat inverse-egg'd. *three-leaved.*
grossularifolia. 8. H. leaves lanced feather-cleft. *gooseberry-leaved.*
denudata. H. leaves lanced acute polish'd saw'd above. *S. naked.*
glabrata. H. leaves lanced acute gash-saw'd smooth, flowers bowing. *S. smooth'd.*
salvifolia. H. leaves egg'd intire wrinkled down-hispid, flowers bowing. *S. sage-leaved.*
pulchella. H. leaves lanced feather-cleft: feathers intire and gash'd, stem erect polish'd. *S. pretty.*
diffusa. H. procumbent, leaves lanced feather-cleft: the feathers intire and tooth'd, peduncles capillary two-flower'd. *S. diffuse.*
filifolia. H. leaves linear-three-sided most intire. *S. thread-leaved.*
ciliaris. H. leaves lanced acute intire and saw'd fringed. *S. fringed.*
biserrata. H. leaves egg'd lanced unequal saw'd smooth, flowers bowing. *S. twice-saw'd.*

829. MELOCHIA. Five-female. *Capsf.* 5-cell'd, 1-seeded.

- pyramidata.* 1. M. flowers umbel'd, capsules pyramidal five-corner'd: with angles dagger'd, leaves naked. *pyramidal.*
tomentosa. 2. M. flowers umbel'd axillary, capsules pyramidal five-corner'd: angles dagger'd, leaves downy. *downy.*
 3. M.

- depressa.* 3. M. flowers solitary, capsules depress'd five-corner'd :
 angles obtuse fringed. *depress'd.*
- concatenata.* 4. M. racemes crowded terminal; capsules globular
 sessile. *concatenated.*
- corchorifolia.* 5. M. flowers headed sessile, capsules roundish, leaves
 rather hearted sublobed. *corchorus-leaved.*
- supina.* 6. M. flowers headed, leaves egg'd saw'd; stems procum-
 bent. *supine.*
- odorata.* M. leaves egg'd rather hearted sublobed twice-saw'd
 smooth, panicles peduncled compound. *S. odorous.*

1411. SYMPHONIA. One-female. *Cor.* globu-
 lar. *Berry* five-cell'd. *S.*

globulifera. SYMPHONIA. *globe-bearing.*

E I G H T M A L E S.

(*Octandria.*)

1412. AYTONIA. One-female. *Cal.* 5-parted.
Cor. 4-petal'd. *Berry* dry, quadran-
 gular, one-cell'd, many-seeded. *S.*

capensis. AYTONIA. *cape.*

T E N M A L E S.

(*Decandria.*)

830. CONNARUS. One-female. *Stigma* simple.
Caps. 2-valved, one-cell'd, one-seeded.

monocarpus. 1. CONNARUS. *one-fruit.*

502. ONE BROTHERHOOD. TEN MALES. Hugonia.

831. HUGONIA. Five-female. Cor. 5-petal'd.
Drupe with nucleus striated.

Myrtax: 1. HUGONIA with thorns opposite revolute.

832. GERANIUM. One - female. *Stigmas* 5.
Fruit beak'd, 5-grain'd.

* African Geraniums with *stamens* 7 anther-bearing; leaves alternate;
peduncles many-flower'd, shrubby.

- fulgidum*. 1. G. calyxes one-leaved, leaves three-parted gash'd:
the intermediate one larger, umbels double,
stem fleshy shrubby. *shining*.
- inquinans*. 2. G. calyxes one-leaved, leaves orbicular-kidney-form
downy notch'd intirish, stem shrubby. *defiling*.
- hybridum*. 58. G. calyxes one-leaved, leaves suborbicular smooth
notch'd intire, stem shrubby. *mule*.
- acetosum*. 10. G. calyxes one-leaved, leaves smooth inverse-egg'd
fleshy notch'd, stem shrubby loose. *four*.
- papilionace-um*. 3. G. calyxes one-leaved, corols papilionaceous: the
wings and keel minute, leaves angled, stem
shrubby. *papilionaceous*.
- hermannifoli-um*. G. calyxes one-leaved, leaves wedge-form plaited
rugged saw'd above, stem shrubby. *hermannia-
leaved*'.
- crispum*. G. calyxes one-leaved, leaves kidney-form curl'd
rugged, stem shrubby. *curl'd*.
- scabrum*. 5 G. calyxes one-leaved, leaves wedge-form many-cleft
jagg'd rugged, stem shrubby. *rugged*.
- betulinum*. 4. G. calyxes one-leaved, leaves egg'd unequally saw'd
flat, stem shrubby. *birch*.
- cucullatum*. 7. G. calyxes one-leaved, leaves cowl'd tooth'd, stem
shrubby. *cowl'd*.
- carnosum*. 8. G. calyxes one-leaved, stem shrubby with joints flesh-
gibbous, leaves feather-cleft, petals linear.
fleshy.
- gibbosum*. 7. G. calyxes one-leaved, stem shrubby with joints fleshy
gibbous, leaves rather feather'd, *gibbous*.
- peltatum*. 9. G. calyxes one-leaved, leaves five-lobed most intire
smooth rather targetted, stem shrubby. *targetted*.
- zonale*. 11. G. calyxes one-leaved, leaves heart-orbicular gash'd
mark'd with a zone, stem shrubby. *zoned*.
12. G.

- vitifolium*. 12. *G.* calyxes one-leaved, leaves lobed ascending pubescent, flowers headed, stem shrubby. *vine-leaved*.
- capitatum*. 13. *G.* calyxes one-leaved, leaves lobed waved villous, flowers headed, stem shrubby diffuse. *headed*.
- tabulare*. 14. *G.* calyxes one-leaved, leaves hearted sublobed notch-tooth'd smooth rather fringed, stem shrubby. *table*.
- cotyledonis*. *G.* calyxes one-leaved, leaves heart-orbicular targeted cowl'd notch'd pubescent. *cotyledon*.
- * * *Herbaceous plants, with stamens seven anther-bearing, leaves opposite.*
- alchimilloides*. 15. *G.* calyxes one-leaved, leaves orbicular handed gash'd hairy, stem herbaceous decumbent. *alchimilla-like*.
- flavum*. *G.* calyxes one-leaved, leaves three-ways alternately feather'd: leaflets feather-cleft, scapes shaggy. *yellow*.
- odoratissimum*. 16. *G.* calyxes one-leaved, stem fleshy most short, branches herbaceous long, leaves hearted most soft. *most odorous*.
- alceoides*. 17. *G.* calyxes one-leaved, leaves three'd three-cleft jag'd; stem herbaceous shaggy. *hollyhock-like*.
- grossularoides*. 18. *G.* calyxes one-leaved, leaves hearted roundish lined gash'd notch'd, stem herbaceous. *gooseberry-like*.
- althæoides*. 19. *G.* calyxes one leaved, leaves egg'd plaited sinuous downy notch'd, stem prostrate herbaceous. *althæa-like*.
- coriandrifolium*. 20. *G.* calyxes one-leaved, leaves twice feather'd linear ragged, stem herbaceous smoothish. *coriander-leaved*.
- myrrhifolium*. 21. *G.* calyxes one-leaved, leaves twice-feather'd: the inferiour ones hearted lobed, stem herbaceous, calyxes lance-priekled. *myrrhe-leaved*.
- prolificum*. 22. *G.* calyxes one-leaved, scapes radical, umbel compound globular. *prolific*.
- auritum*. *G.* calyxes one-leaved, scapes radical, umbel compound divided, leaves oval simplish. *ear'd*.
- lobatum*. 23. *G.* calyxes one-leaved, stem lop'd, scapes subradical, umbel compound. *lobed*.
- triste*. 24. *G.* calyxes one-leaved sessile, scapes two-cleft one-leaved. *sorrowful*.

*** Myrrhina. *With stamens five anther-bearing. Cal. 5-leaved.
Fruit declining.*

- romanum*. 25. *G.* peduncles many-flower'd, flowers five-male, leaves feather'd gash'd, scapes radical. *roman.*
- cicutarium*. 26. *G.* peduncles many-flower'd, flowers five-male, leaves feather'd gash'd obtuse, stem branchy. *water hemlock.*
- moschatum*. 27. *G.* peduncles many-flower'd, flowers five-male, leaves feather'd gash'd, cotyledons feather-cleft. *musk.*
- chium*. 28. *G.* peduncles many-flower'd, flowers five-male, leaves hearted gash'd: the superiour ones lyre-feather-cleft. *chion.*
- malacoides*. 30. *G.* peduncles many-flower'd, flowers five-male, leaves hearted sublobed. *mallow-like.*
- maritimum*. 29. *G.* peduncles mostly three-flower'd, flowers five-male, leaves hearted notch'd gash'd rugged, stems depress'd. *sea.*
- glauco-phyl-lum*. 31. *G.* peduncles many-flower'd, flowers five-male, leaves egg'd saw'd lined hoary. *sea-green-leaved.*
- arduinum*. 32. *G.* peduncles many-flower'd, flowers five-male, leaves hearted five-lobed, scapes radical. *arduin.*
- gruinum*. 33. *G.* peduncles mostly many-flower'd, flowers five-male, leaves three'd lobed. *crane.*
- ciconium*. 34. *G.* peduncles many-flower'd, flowers five-male, leaves feather'd feather-cleft obtuse. *stork.*
- pyrenaicum*. 59. *G.* peduncles two-flower'd, flowers five-male, petals two-lobed, calyxes glandular at top. *pyreanean.*

**** Batrachia. *With stamens ten anther-bearing. Peduncles 2-flower'd, perennial.*

- tuberosum*. 35. *G.* peduncles two-flower'd, leaves many-parted: divisions linear subdivided obtuse. *tuberous.*
- macrorrhizum*. 36. *G.* peduncles two-flower'd, calyxes inflated, petals intire, pistil most long, scape two-fork'd. *long-rooted.*
- phæum*. 37. *G.* peduncles solitary leaf-opposed, calyxes rather awn'd, stem erect, petals waved.
- fuscum*. 60. *G.* peduncles two-flower'd leaf-opposed double, stem spreading, petals most intire. *brown.*

- reflexum.* G. peduncles two-flower'd and leaves alternate, petals reflected jagg'd the length of the awnless calyx. *reflected.*
- nodesum.* 38. G. peduncles two-flower'd, petals end-nick'd, stem-leaves three-lobed intire saw'd; lucid underneath. *knotted.*
- striatum,* 39. G. peduncles two-flower'd, leaves five-lobed: lobes dilated in the middle, petals two-lobed veinnetted. *striated.*
- sylvaticum.* 40. G. peduncles two-flower'd, leaves rather targetted five-lobed gash-saw'd, stem erect, petals end-nick'd. *wood.*
- palustre.* 41. G. peduncles two-flower'd most long declining, petals intire, leaves five-lobed gash'd. *marsh.*
- pratense.* 42. G. peduncles two-flower'd, leaves rather targetted many-parted wrinkled acute, petals intire. *meadow.*
- argenteum.* 43. G. peduncles two-flower'd, petals end-nick'd, leaves rather targetted seven-parted three-cleft down-filky. *silver.*
- maculatum.* 44. G. peduncles two-flower'd, stem two-fork'd erect, leaves five-parted gash'd; the highest ones sessile. *spotted.*
- pyrenaicum.* G. peduncles two-flower'd, inferiour leaves five-part-many-cleft rounded; the superiour three-lobed, stem erect. *pyrenean.*
- ***** *With stamens 10 anther-bearing. peduncles two-flower'd, annual.*
- bohemicum.* 47. G. peduncles two-flower'd, petals end-nick'd, arils shaggy, cotyledons three-cleft: the middle one lop'd. *bohemian.*
- robertianum.* 45. G. peduncles two-flower'd, calyxes hairy ten-angled. *Roberts.*
- lucidum.* 46. G. peduncles two-flower'd, calyxes pyramidal angled wrinkle-elevated, leaves five-lobed rounded. *lucid.*
- molle.* 48. G. peduncles two-flower'd and floral leaves alternate, petals two-cleft, calyxes awnless, stem erectish. *soft.*
- carolinianum.* 50. G. peduncles two-flower'd, calyxes awn'd, leaves many-cleft, arils shaggy, petals end-nick'd. *carolina.*

- columbinum*. 51. *G.* peduncles two-flower'd longer than the leaf, leaves five-part many-cleft, arils smooth, calyxes awn'd. *dove.*
- incanum*. 50. *G.* peduncles two-flower'd, calyxes awn'd, petals intire, arils shaggy, leaves rather finger'd feather-cleft. *hoary.*
- dissectum*. 49. *G.* peduncles two-flower'd, leaves five-part-three-cleft, petals end-nick'd the length of the calyx, arils villous. *dissected.*
- rotundifolium*. 53. *G.* peduncles two-flower'd, petals nearly intire the length of the calyx, stem prostrate, leaves kidney-form gash'd. *round-leaved.*
- pusillum*. 54. *G.* peduncles two-flower'd, petals end nick'd, stem depresso, leaves kidney-form handed linear acute. *puny.*

***** *With stamens 10 anther-bearing. Peduncles one-flower'd.*

- sibiricum*. 37. *G.* peduncles mostly one-flower'd, leaves five-parted acute: leaflets feather-cleft. *siberian.*
- sanguineum*. 38. *G.* peduncles one-flower'd, leaves five-parted three-cleft orbicular. *bloody.*
- spinosum*. 60. *G.* peduncles one-flower'd, stem fleshy knotty: thorns solitary upright. *thorny.*

From the Supplement.

- abrotanifolium*. *G.* calyxes one-leaved, leaves many-cleft linear hoary. *S. abrotanum-leaved.*
- appendiculatum*. *G.* calyxes one-leaved, leaves radical superdecompound shaggy, petioles appendaged, umbel longer than the scape. *S. appendaged.*
- hispidum*. *G.* calyxes one-leaved, stem shrubby hispid, leaves handed tooth-torn hispid, umbels compound, involucre reflected. *S. hispid.*
- Oenotheræ*. *G.* calyxes one-leaved, leaves opposite lanced saw-tooth'd most softly downy, umbel few-flower'd. *S. Oenothera.*
- variegatum*. *G.* sea-green, calyxes one-leaved, leaves alternate three or five-parted: lobes three-cleft saw'd, stipules hearted egg'd, umbel few-flower'd. *S. variegated.*
- tetragonum*. *G.* fleshy, stem four-corner'd climbing, leaves lobed notch'd smooth, peduncles two-flower'd. *S. four-corner'd. G.*

- Hermanniaefolium.* G. calyxes one-leaved, stem shrubby, leaves lobed notch'd rather cowl'd, stipules hearted and involucre hispid murex'd. S. *Hermannia-leaved.*
- stipulaceum.* G. stemless, calyxes one-leaved, leaves oblong gash'd saw'd, stipules awl'd rigid white. S. *stipuled.*
- incarnatum.* G. peduncles two-flower'd, leaves three-parted three-cleft smooth, petals intire, arils smooth. S. *incarnate.*
- emarginatum.* G. peduncles one-flower'd, leaves end-nick'd egg'd notch'd. S. *end-nick'd.*
- quercifolium.* G. calyxes one-leaved, leaves feather-cleft, sinuses rounded, lobes notch'd, flowers umbel'd. S. *oak-leaved.*
- ternatum.* G. calyxes one-leaved, leaves three'd : leaflets lobed : lobes tooth'd, flowers subumbel'd, stem hispid. *three'd.*
- laevigatum.* G. sea-green, calyxes one-leaved, stem erect, leaves feather-cleft : divisions intire lanced. S. *polish'd.*
- glaucum.* G. sea-green, calyxes one-leaved, stem-erect, leaves lanced most intire. S. *sea-green.*

E L E V E N M A L E S .

(*Endecandria.*)

833. BROWNEA. *Cal.* 5-cleft. *Cor.* double: the exterior 5-cleft. The interior 5-petal'd. *Legume* one-cell'd.

coccinea. . . . I. BROWNEA.

scarlet.

TWELVE

T W E L V E M A L E S.

(*Dodecandria.*)

834. PENTAPETES. *Cal.* 5 - parted. *Stamens*
20 : five of these castrated long. *Capsf.*
5-cell'd, many-seeded.

- | | | |
|---------------------|------------------------------------|----------------------|
| <i>phænicea.</i> | 1. P. leaves halbert-lanced saw'd. | <i>purple.</i> |
| <i>suberifolia.</i> | 2. P. leaves egg'd scollop'd. | <i>cork-leaved.</i> |
| <i>acerifolia.</i> | 3. P. leaves hearted scollop'd. | <i>maple-leaved.</i> |

M A N Y M A L E S.

(*Polyandria.*)

836. ADANSONIA. *Cal.* simple, deciduous.
Style most long : *Stigmas* very nume-
rous. *Capsf.* woody, 10-cell'd with a
mealy pulp, many-seeded.

- | | | |
|------------------|---------------|------------------|
| <i>digitata:</i> | 1. ADANSONIA. | <i>finger'd.</i> |
|------------------|---------------|------------------|

835. BOMBAX. *Cal.* 5-cleft. *Stamens* 5, or many.
Capsf. woody, 5-cell'd, 5-valved. *Seeds*
woolly, *Receptacle* 5-corner'd.

- | | | |
|----------------------|---|----------------------|
| <i>pentandrum.</i> | 1. B. flowers five-male, leaves seven'd. | <i>five-male.</i> |
| <i>Ceiba.</i> | 2. B. flowers many-male, leaves fived. | |
| <i>heptaphyllum.</i> | 3. B. flowers many-male, leaves sevenfold. | <i>seven-leaved.</i> |
| <i>gossipinum.</i> | 4. B. leaves five-lobed pointed downy underneath. | <i>cotton.</i> |

837. SIDA.

837. SIDA. *Cal.* simple, angled. *Style* many-parted. *Capsules* very numerous, 1-seeded.

- spinosa.* 1. S. leaves heart-oblong saw'd, stipules bristly, axils rather thorny. *thorny.*
- alba.* 2. S. leaves hearted roundish, stipules bristly, axils mostly three-thorn'd. *white.*
- rhombifolia.* 3. S. leaves lance-rhombed saw'd, axils mostly two-thorn'd. *rhomb-leaved.*
- almifolia.* 4. S. leaves orbicular plaited saw'd. *alder-leaved.*
- ciliaris.* 6. S. leaves oval retuse saw'd; stipules linear fringed, feeds murex'd. *fringed.*
- retusa.* 5. S. leaves wedge-form retuse saw'd downy underneath. *retuse.*
- triquetra.* 8. S. leaves hearted saw'd rather downy: branches three-sided. *three-sided.*
- jamaicensis.* 10. S. leaves egg'd saw'd downy, flowers axillary subpeduncled, feeds fivefold two-horn'd. *jamaica.*
- viscosa.* 14. S. leaves hearted notch'd downy, flowers subsolitary, capsules seven-cell'd round depress'd. *viscous.*
- cordifolia.* 7. S. leaves hearted subangled saw'd villous. *heart-leaved.*
- umbellata.* 9. S. leaves hearted subangled rather downy, flowers umbel'd, capsules two-beak'd. *umbel'd.*
- paniculata.* 11. S. leaves heart-oblong pointed saw'd downy underneath, peduncles capillary most long. *panicked.*
- periplocifolia.* 12. S. leaves heart-lanced most intire, stem panicked. *periploca-leaved.*
- urens.* 13. S. leaves hearted saw'd hispid, peduncles many-flower'd terminal glomerate. *stinging.*
- ternata.* S. leaves three'd, leaflets saw'd. *S. three'd.*
- arborea.* S. leaves hearted egg'd pointed notch'd five-nerved most softly downy, peduncles axillary one-flower'd. *S. arboresecent.*
- Carpinifolia.* S. shrubby, leaves two-faced egg-lanced saw'd: sawings close, umbels axillary. *S. Horrbean-leaved.*

* * *Many-cell'd.*

occidentalis. 10. S. leaves hearted sublobed, stipules expanding, peduncles shorter than the petiole, capsules many-cell'd. *occidental.*

510. ONE BROTHERHOOD. MANY MALES. *Sida*.

- americana*. 15. *S.* leaves hearted oblong undivided, capsules many-cell'd the length of the calyx: cells lanced. *american.*
- Abutilon*. 16. *S.* leaves rather round-hearted undivided, peduncles shorter than the leaf, capsules many-cell'd: hornlets two-cleft.
- asiatica*. 17. *S.* leaves hearted undivided, stipules reflected, peduncles longer, capsules many-cell'd shaggy shorter than the calyx. *asiatic.*
- indica*. 18. *S.* leaves hearted sublobed, stipules reflected, peduncles longer than the petiole, capsules many-cell'd rugged longer than the calyx. *indian.*
- crispa*. 20. *S.* leaves hearted sublobed notch'd downy, capsules bowing inflated many-cell'd notch'd scollop'd. *curl'd.*
- crifata*. 21. *S.* leaves angled: the inferiour ones hearted, the superiour violin-form, capsules many-cell'd. *crested.*

1266. MALACHRA. *Common Calyx* 3-leaved, many-flower'd, greater. *Arils* 5, one-seeded.

- capitata*. 22. *M.* heads peduncled three-leaved seven-flower'd. *headed.*
- radiata*. 23. *M.* heads peduncled five-leaved many-flower'd, leaves handed. *radiate.*

839. ALTHÆA. *Cal.* double: the exteriour 9-cleft. *Arils* very numerous, one-seeded. *Marshmallow.*

- officinalis*. 1. *A.* leaves simple downy. *officinal.*
- cannabina*. 2. *A.* the inferiour leaves handed, the superiour finger'd. *hemp.*
- hirsuta*. 3. *A.* leaves three-cleft hair-hispid, smooth above, peduncles solitary one-flower'd. *shaggy.*
- Ludwigii*. *A.* leaves lobed naked on both sides, peduncles collected one-flower'd. *of Ludwig.*

840. ALCEA. *Cal.* double; the exterior 6-cleft. *Arils* very numerous, one-seeded. *Hollybock.*

- | | | |
|-------------------|----------------------------|--------------------|
| <i>rosea.</i> | 1. A. leaves sinus-angled. | <i>rose.</i> |
| <i>ficifolia.</i> | 2. A. leaves handed. | <i>fig-leaved.</i> |

841. MALVA. *Cal.* double: the exterior 3-leaved. *Arils* most numerous. one-seeded. *Mallow.*

* *With leaves undivided.*

- | | | |
|-------------------------|---|--------------------|
| <i>spicata.</i> | 1. M. leaves hearted notch'd downy, spikes oblong shaggy. | <i>spiked.</i> |
| <i>tomentosa.</i> | 2. M. leaves hearted notch'd downy, lateral flowers collected, stem shrubby. | <i>downy.</i> |
| <i>gangetica.</i> | 4. M. leaves hearted obtuse rugged, flowers sessile glomerate, arils tenfold awnless notchletted. | <i>ganges.</i> |
| <i>coromandeli-ana.</i> | 3. M. leaves egg-oblong acute, flowers glomerated, arils tenfold three-piked. | <i>coromandel.</i> |
| <i>americana.</i> | 5. M. leaves hearted notch'd, lateral flowers solitary; terminal ones spiked. | <i>american.</i> |

** *With leaves angled.*

- | | | |
|----------------------|--|------------------------|
| <i>peruviana.</i> | 6. M. stem erect herbaceous, leaves handed, spikes one-rank'd axillary, seeds toothletted. | <i>peruvian.</i> |
| <i>limensis.</i> | 7. M. stem erect herbaceous, leaves lobed, spikes one-rank'd axillary, seeds polish'd. | <i>Lima.</i> |
| <i>bryonifolia.</i> | 8. M. stem shrubby downy, leaves feather'd rugged, peduncles many-flower'd. | <i>bryony-leaved.</i> |
| <i>capensis.</i> | 9. M. leaves hearted five-lobed, stem arborefcient. | <i>cape.</i> |
| <i>caroliniana.</i> | 10. M. stem creeping leaves many-cleft. | <i>carolina.</i> |
| <i>parviflora.</i> | 12. M. stem spreading, leaves angled, flowers axillary sessile glomerated, calyxes rugged expanding. | <i>small-flower'd.</i> |
| <i>rotundifolia.</i> | 11. M. stem prostrate, leaves heart-orbicular obscurely five-lobed, peduncles fruit-bearing declining. | <i>round-leaved.</i> |
| <i>sherardiana.</i> | 23. M. stems prostrate, leaves orbicular plaited downy notch'd, peduncles solitary one-flower'd bow'd. | <i>sherardia.</i> |

512. ONE BROTHERHOOD. MANY MALES. Malva.

- sylvestris*. 13. M. stem erect herbaceous, leaves seven-lobed acute, peduncles and petioles hairy. *wood.*
- mauritiana*. 14. M. stem erect herbaceous, leaves five-lobed obtuse, peduncles and petioles smoothish. *mauritanian.*
- hispanica*. 15. M. stem erect, leaves semiorbicular notch'd: the exterior calyx two-leaved. *spanish.*
- verticillata*. 16. M. stem erect, leaves angled, flowers axillary glomerated sessile, calyx rugged. *verticil'd.*
- crispa*. 17. M. stem erect, leaves angled curl'd, flowers axillary glomerated. *curl'd.*
- Alcea*. 18. M. stem erect, leaves many-parted ruggedish. *Holly-hock.*
- moschata*. 19. M. stem erect, radical leaves kidney-form gash'd; stem-leaves five-parted feather-many-cleft. *musk.*
- Journefortiana*. 21. M. stem decumbent, radical leaves five-parted three-lobed linear, peduncles longer than the stem-leaf. *Journefortia.*
- ægyptia*. 20. M. stem erect, leaves handed tooth'd, corols less than the calyx. *ægyptian.*
- Abutiloides*. M. shrubby hoary, leaves deeply lobed and sinuous. *Abutilon-like.*
S.

843. LAVATERA. *Cal.* double: the exterior 3-cleft. *Arils* most numerous, one-seeded.

* *Stem shrubby.*

- arborea*. 1. L. stem arborescent, leaves seven-angled downy plaited, peduncles crowded one-flower'd axillary. *arborescent.*
- micans*. 2. L. stem arborescent, leaves seven-angled acute notch'd plaited downy, racemes terminal. *glittering.*
- albica*. 3. L. stem shrubby, leaves five-lobe-halberted, peduncles solitary. *albian.*
- triloba*. 4. L. stem shrubby, leaves rather hearted rather three-lobed rounded notch'd, stipules hearted, peduncles aggregate one-flower'd. *three-lobed.*
- lusitanica*. 5. L. stem shrubby, leaves seven-angled downy plaited, racemes terminal. *portugal.*

americana. 6. L. stem shrubby, leaves hearted undivided notch'd pointed downy, peduncles one-flower'd. *american.*

* * *Stem herbaceous.*

thuringiaca. 7. L. stem herbaceous, fruit naked, calyxes gash'd. *thuringian.*

cretica. 8. L. stem erect, the inferiour branches diffuse, peduncles crowded one-flower'd, leaves lobed: the superiour ones acute. *cretan.*

trimestris. 9. L. stem rugged herbaceous, leaves lanced, peduncles one-flower'd, fruit cover'd with a ball. *three-month.*

843. MALOPE. *Cal.* double; the exterior 3-leaved. *Arils* glomerated, one-seeded.

Malacoides. 1. MALOPE. leaves egg'd notch'd smooth above.

844: URENA. *Cal.* double: the exterior 5-cleft. *Capsf.* 5-cell'd, hedgehog'd, one-seeded.

lobata. 1. U. leaves angled. *lobed.*

sinuata. 2. U. leaves sinus-handed: sinuses obtuse. *sinuous.*

Typhalæa. U. leaves elliptic, capsules recurve-three-tooth'd.

procumbens. 3. U. leaves oblong sinuous saw'd, stem procumbent. *procumbent.*

leptocarpa. U. leaves lanced saw'd. *S.* *slender-fruited.*

americana. U. leaves three-cleft intire at the base. *S.* *american.*

845. GOSSYPIUM. *Cal.* double: the exterior 3-cleft. *Capsf.* 4-cell'd. *Seeds* woolly obvolute. *Cotton.*

herbaceum. 1. G. leaves five-lobed glandless underneath, stem herbaceous. *herbaceous.*

arborescens. 3. G. leaves handed: lobes lanced: stem shrubby. *arborescent.*

4. G.

514. ONE BROTHERHOOD. MANY MALES. *Gossypium*.

- hirsutum*. 4. G. leaves five-lobed one-glanded underneath, branchlets and petioles pubescent. *shaggy*.
religiosum. 5. G. leaves three-lobed acute one-glanded underneath, branchlets black-dotted. *religious*.
barbadense. 2. G. leaves three-lobed most intire three-glanded underneath. *barbadoes*.

846. HIBISCUS. *Cal.* double: the exterior many-leaved. *Caps.* 5-cell'd many-seeded.

- Moscheutos*. 1. H. leaves egg'd pointed saw'd, stem most simple, petioles flower-bearing.
palustris. 2. H. stem herbaceous most simple, leaves egg'd rather three-lobed downy underneath, flowers axillary. *marsh*.
populicus. 3. H. leaves hearted most intire, stem arborescent. *poplar*.
tiliaceus. 4. H. leaves hearted roundish undivided pointed notch'd: stem arborescent, the exterior calyx ten-tooth'd. *lime*.
simplex. 5. H. leaves hearted three-lobed scollop'd most intire, stem arborescent most simple. *sim: le*.
Rosa sinensis. 6. H. leaves egg'd pointed saw'd, stem arborescent. *china Rose*.
brasiliensis. 7. H. leaves hearted toothletted, the exterior calyxes twice as long, stem shrubby: branches shaggy. *brazilian*.
lirtus. 8. H. leaves lance-egg'd pointed saw'd, stem herbaceous; branches rugged. *shaggy*.
mutabilis. 9. H. leaves heart-five-angled obscurely saw'd, stem arborescent. *mutable*.
malvaviscus. 10. H. leaves hearted notch'd: the outmost lateral angles small, stem arborescent. *viscous-mallow*.
spinifex. 11. H. leaves hearted notch'd undivided, capsules with protruded thorns. *thorn-making*.
syriacus. 12. H. leaves wedge-form-egg'd gash-saw'd above, stem arborescent. *syrian*.
fulneus. 13. H. leaves five-cleft-handed, stem prickly, flowers peduncled. *fig*.
Sabdariffa. 14. H. leaves saw'd: the inferior ones egg'd undivided; the superior sevenfold parted, stem unarm'd, flowers sessile.

- cannabinus*. 15. H. leaves saw'd: the superiour ones handed five-parted one-glanded underneath, stem prickly, flowers sessile. *hemp.*
- Jurattensis*. 16. H. recurve-prickly, leaves five-lobed, the exterior calyxes appendaged, stipules half-hearted, flowers peduncled. *Jurat.*
- Manibot*. 17. H. leaves hand-finger'd seven parted, stem and petioles unarm'd.
- Abelmoschus*. 18. H. leaves rather target-hearted seven-angled saw'd, stem hispid. *Musk-seeded.*
- esculentus*. 19. H. leaves five-part-footed, the interior calyxes bursting on the side. *esculent.*
- clypeatus*. 20. H. leaves hearted angled, capsules top-shape lop'd hispid. *shield.*
- vitifolius*. 21. H. leaves five-angled acute saw'd, stem unarm'd, flowers bowing. *vine-leaved.*
- zeilanicus*. 22. H. leaves heart-halberted, peduncles alternate one-flower'd knotted. *ceylon.*
- virginicus*. 23. H. the inferior leaves hearted pointed saw'd: the superiour halberted. *virginian.*
- pentacarpos*. 24. H. the inferior leaves hearted angled: the superiour rather halberted, flowers rather nodding, pistil bowing. *five-fruit.*
- æthiopicus*. H. leaves rather wedged somewhat three-tooth'd the highest ones opposite, flowers terminal. *ethiopian.*
- Trionum*. 25. H. leaves three-parted gash'd, calyxes inflated.
- micranthus*. H. leaves roundish intire saw'd, corols reflected oblique. *S. small-flower'd.*
- urens*. H. downy, leaves kidney-form notch'd, calyxes woolly. *S. stinging.*
- præmorsus*. H. shaggy, leaves egg'd narrow-hearted at the base end-bitten at top notch'd, calyxes downy, seeds tubercled. *S. end-bitten.*
- pedunculatus*. H. shaggy, leaves five-lobed tooth'd, peduncles axillary one-flower'd elongated. *S. peduncled.*
- cordifolius*. H. arborecent downy, leaves hearted egg'd saw'd, flowers peduncled terminal, calyx many-leaved linear long. *S. heart-leaved.*
- rigidus*. H. shrubbyish shaggy, branches simple, leaves oblong saw'd, border of the corol reflected, seeds woolly. *S. rigid.*
- hastatus*. H. hoary, leaves oblong simple three-lobed at base most intire, raceme terminal. *S. halberted.*

516. ONE BROTHERHOOD. MANY MALES. Hibiscus.

- phæniceus.* H. leaves egg'd pointed saw'd, peduncles jointed
thicken'd above the joints, lobes longer, calyxes
naked, seed woolly. S. *purple.*
- fraternus.* H. exterior calyxes with columnar rays: top dag-
ger'd concave, leaves three-lobed. S. *fraternal.*
- sororius.* H. the exterior calyxes columnar dilated at top,
leaves hearted notch'd rugged. S. *sister.*
- cancellatus.* H. stem feeble shaggy, leaves hearted saw'd, calyxes
globular: rays twentyfold awl'd shaggy S.
lattice'd.

847. STEWARTIA. *Cal.* simple. *Style* simple
with stigma 5-cleft. *Pome* juiceless,
5-lobed, 1-seeded, bursting five ways.

Malacodendron. I. STEWARTIA. *soft-wood.*

1344. GORDONIA. *Cal.* simple. *Style* five-
corner'd with stigma five-cleft. *Capsf.*
5-cell'd. *Seeds* twofold with a leafy
wing.

Lafianthus. GORDONIA. *shag-flower'd.*

848. CAMELLIA. *Cal.* imbricated, many-leaved:
interiour leaflets greater.

japonica. I. CAMELLIA. *japan.*

665. MESUA. *Cal.* simple, 4-leaved. *Cor.* 4-
petal'd. *Pistil* 1. *Nut* four-corner'd
1-seeded,

ferrea. I. MESUA with leaves lanced. *iron.*

642. MORI-

642. MORISONIA. *Cal.* simple 2-cleft. *Cor.* 4-petal'd. *Pistil* 1. *Berry* with bark hard, 1-cell'd, many-seeded, pedicel'd.

americana. I. MORISONIA.

american.

1413. BARRINGTONIA. One - female. *Calyx* two-leaved, above. *Drupe.* *Nut* one or four-cell'd. *S.*

speciosa. BARRINGTONIA.

speciosa.

1414. GUSTAVIA. One-female. *Cal.* none. *Petals* very numerous. *Berry* many-cell'd. *Seeds* appendaged.

augusta. GUSTAVIA.

august.

1415. CAROLINEA. One-female. *Cal.* tubular, lop'd, *Petals* sword-form. *Pome* five-furrow'd, two-cell'd. *S.*

princeps. CAROLINEA.

princeps.



C L A S S X V I I .

T W O B R O T H E R H O O D S .

(*Diadelphia.*)

F I V E M A L E S .

(*Pentandria.*)

851 MONNIERIA. *Cal.* 5-parted. *Cor.* grinning. The superiour
 Filament with 2 anthers ; the inferiour
 with 3. *Capsules* 5.

TWINING plants . *Phaseolus, Dolichos, Clitoria, Glycine.*
FEATHER'D without an odd one : *Orobus, Pisum, Lathyrus, Vicia,*
 Ervum, Arachis.
FEATHER'D with an odd one : *Biserrula, Astragalus, Phaca, Hedy-*
 sarum, Glycyrrhiza, Indigofera, Galega, Colutea,
 Amorpha, Piscidia.
THREE-LEAVED : *Trifolium, Lotus, Medicago, Erythrina, Genista,*
 Cytisus, Ononis, Trigonella. Phaseolus, Dolichos,
 Clitoria.

S I X

S I X M A L E S .

(Hexandria.)

- 849 FUMARIA. *Cal.* 2-leaved. *Cor.* grinning, gibbous at the base nectary-bearing. *Filaments* with 3 anthers.
- 1265 SARACA. *Cal.* 0. *Cor.* 4-cleft. *Filaments* 3, connected at both ends.

E I G H T M A L E S .

(Octandria.)

- 850 POLYGALA. *Cal.* 2 divisions wing-form. *Cor.* Banner cylindrical. *Stamens* connected. *Caps.* inverse-hearted, 2-cell'd.
- 851 SECURIDACA. *Cal.* 3-leaved. *Banner* none. *Legume* 1-seeded with a ligulate wing.
- 1416 DALBERGIA. Two *Filaments* of the *Stamens* four-cleft at top. *Fruit* pedicel'd. *S.*

TEN MALES.

(Decandria.)

* *Stamens all connected.*

- 853 NISSOLIA. *Legume* 1-seeded, terminated by a ligulate wing.
- 854 PTEROCARPOS. *Legume* leafy. *Stamens* twofold three-anther'd.
- 861 AMORPHA. *Wings and keel* none.
- 895 EBENUS. *Wings* none.
- 855 ERYTHRINA. *Wings and keel* most short. *Cal.* with a honey-bearing pore.
- 1286 ABRUS. *Filaments* 9, the lowest connected at the base distinct on the superiour side. *Seed.* spherical.
- 858 SPARTIUM. *Filaments* adhering to the germ. *Stigma* adjoin'd, villous.
- 859 GENISTA. *Pistil* depressing the keel. *Stigma* involute.
- 865 LUPINUS. *Alternate Anthers* round; alternate ones oblong. *Legume* leathery.
- 864 ANTHYLLIS. *Cal.* turgid, including the silique.
- 856 PISCIDIA. *Legume* with four longitudinal wings.
- 857 BORBONIA. *Legume* dagger'd. *Stigma* end-nick'd.
- 881 ULEX. *Calyx* two-leaved. *Legume* scarcely longer than the calyx.
- 876 ARACHIS. *Corol* resupine. *Legume* leathery.
- 895 EBENUS. *Corol* with wings obliterated. *Legume* 1-seeded.
- 860 ASPALATHUS. *Legume* awnless, egg'd, mostly two-seeded.
- 863 ONONIS. *Legume* rhombed, sessile. *Banner* striated.
- 862 CROTALARIA. *Legume* pedicel'd, turgid.
- 1417 MULLERA. *Pericarp* elongated. With *Globules* one-seeded. S.

** *Stigmas pubescent.* (not being amongst the former.)

- 880 COLUTEA. *Legume* inflated, gaping above the base.
- 866 PHASEOLUS. *Keel and style.* spiral.
- 867 DOLICHOS. *Banner* with two calluses at the base.

871 OROBUS.

- 871 OROBUS. *Style* linear, columnarish, villous above.
 870 PISUM. *Style* keel'd and villous above.
 872 LATHYRUS. *Style* flat and villous above.
 873 VICIA. *Style* bearded under the stigma.

*** *Legume mostly two-cell'd.* (not of the former)

- 892 ASTRAGALUS. *Legume* 2-cell'd, rounded.
 893 BISERRULA. *Legume* 2-cell'd, flat, tooth'd.
 891 PHACA. *Legume* half-two-cell'd.

**** *Legumes mostly one-seeded.* (not of the former)

- 894 PSORALEA. *Cal.* with glandular points.
 896 TRIFOLIUM. *Legume* scarcely longer than the calyx, 1 or
 2-seeded. *Flowers* headed.
 882 GLYCYRRHIZA. *Cal.* 2-lip'd: the upper one 3-cleft.

***** *Legume rather jointed.* (*)

- 888 ÆSCHYNOMENE. *Legume* with joints one-seeded. *Cal.* 2-lip'd.
 887 HEDYSARUM. *Legume* with joints roundish, compress'd.
Keel most obtuse.
 883 CORONILLA. *Legume* intercepted with isthmuses, straight.
 884 ORNITHOPUS. *Legume* jointed, bow'd.
 886 SCORPIURUS. *Legume* intercepted by isthmuses, columnarish,
 involute.
 885 HIPPOCREPIS. *Legume* membrane-compress'd; one future
 cut with edge-nicks to the middle.
 899 MEDICAGO. *Legume* spiral, membrane-compress'd. *Pistil*
 deflecting the keel.

***** *Legume one-cell'd many-seeded.* (not of the former)

- 898 TRIGONELLA. *Banner and wings* expanding as 'if 3-petal'd.
Keel minute.
 868 GLYCINE. *Keel* reflecting the banner.
 869 CLITORIA. *Banner* ample covering the wings. *Corol*
 resupine.
 879 ROBINIA. *Banner* reflex-expanding, roundish.
 889 INDIGOFERA. *Keel* with a toothlet on both sides.

(*) UMBEL'D plants. *Lotus, Coronilla, Ornithopus, Hippocrepis,*
Scorpiurus.

522. T W O B R O T H E R H O O D S.

- 875 CICER. The four superiour divisions of the calyx incumbent on the banner.
- 874 ERVUM. *Cal.* 5-parted, subequal, almost the length of the corol.
- 1319 LIPARIA. The lowest division of the *Calyx* elongated. *Wings* two-lobed below.
- 877 CYTISUS. *Legume* pedicel'd. *Calyx* two-lip'd.
- 890 GALEGA. *Legume* linear with strias obliquely transverse.
- 897 LOTUS. *Legume* columnar, fill'd with cylindric seeds.
- 878 GEOFFROYA. *Drupe* with a woody nucleus.

F I V E M A L E S.

(*Pentandria.*)

850. MONNIERIA. *Cal.* 5-parted : the superiour division long. *Cor.* grinning. *Stamens* 2 : the superiour one with two *Anthers*, the inferiour with 3. *Capsf.* 5, many-seeded.

trifolia.

I. MONNIERIA.

three-leaved.

S I X M A L E S.

(*Hexandria.*)

1267. SARACA. *Cal.* 0. *Cor.* funnel-form, 4-cleft. Three *Filaments* on each side of the throat. *Legume* pedicel'd.

indica.

I. SARACA.

indian.

849. FUMARIA. *Cal.* two-leaved. *Cor.* grinning. *Filaments* 2, membranous, each with three *Anthers*. *Fumitory.*

* *With corols two-spur'd.*

Cucullaria. 1. F. scape naked.

spetabilis. 2. F. flowers two-lobed behind, stem leafy. *spetabilis.*

* * *With*

524. TWO BROTHERHOODS. SIX MALES. *Fumaria*.

* * *With corols one-spur'd.*

- nobilis*. 12. F. stems simple, bractes shorter than the flower undivided. *noble.*
- bulbosa*. 3. F. stem simple, bractes the length of the flowers. *bulbous.*
- sempervirens*. 4. F. filiques linear panicled, stem erect. *ever-green.*
- lutea*. F. filiques columnar, stem diffuse: angles obtuse. *yellow.*
- Capnoides*. 5. F. filiques linear four-corner'd, stems diffuse acute-angled. *Capnos-like.*
- enneaphylla*. 6. F. leaves three-times-thrice-thrice'd: leaflets hearted. *nine leaved.*
- officinalis*. 7. F. pericarps one-seeded racemed, stem diffuse. *officinal.*
- capreolata*. 9. F. pericarps one seeded racemed, leaves climbing rather tendril'd. *tendrill'd.*
- spicata*. 8. F. pericarps one-seeded spiked, stem erect, leaflets thread-form. *spiked.*
- claviculata*. 10. F. filiques linear, leaves tendril-bearing. *wire'd.*
- vesicaria*. 11. F. filiques globular acute inflated, leaves tendril'd. *bladder'd.*
- sibirica*. F. filiques oval, stems spreading, leaflets oblong, S. *siberian.*

E I G H T M A L E S.

(*Oestandria*.)

851. POLYGALA. *Cal.* 5-leaved: two leaflets wing-form, colour'd. *Legume* inverse-hearted, two-cell'd. *Milk-wort.*

* *Crested (flowers with a pencil-form appendage.)*

- incarnata*. 1. P. flowers crested spiked, stem herbaceous branchy erect, leaves alternate awl'd, *incarnate.*
- aspalatha*. 25. P. flowers crested headed, stems most simple, leaves bristly scatter'd. *aspalathus.*
- brasiliensis*. 26. P. flowers crested subspiked, stems most simple, leaves lanced scatter'd. *brasilian.*

P.

- trichosperma.* P. flowers crested spiked, stems twiggy striated, leaves linear. *hair-seeded.*
- amara.* 3. P. flowers crested racemed, stems erectish, radical leaves inverse-egg'd larger. *bitter.*
- vulgaris.* 2. P. flowers crested racemed, stems herbaceous simple procumbent, leaves linear-lanced. *common.*
- montpeliaca.* 4. P. flowers crested racemed, stem erect, leaves lance-linear acute. *montpelier.*
- paniculata.* 5. P. flowers crested, racemes naked, stems herbaceous erect branchy above, leaves linear. *panicled.*
- sibirica.* 6. P. flowers crested, raceme lateral naked, stems herbaceous, leaves lanced siberian. *siberian.*
- bracteolata.* 7. P. flowers crested racemed, bractes three-leaved, leaves linear-lanced, stem shrubby. *bracted.*
- umbellata.* P. flowers crested subumbel'd, leaves linear rather fringed. *umbel'd.*
- myrtifolia.* 8. P. flowers crested with keel moon'd, stem shrubby, leaves polish'd oblong obtuse. *myrtle-leaved.*
- oppositifolia.* P. flowers crested, stem shrubby, leaves opposite egg'd acute. *opposite-leaved.*
- spinosa.* 14. P. flowers crested lateral, stem thorny shrubby, leaves oval dagger'd. *thorny.*
- teretifolia.* P. flowers crested lateral, stem shrubby branchy, leaves thread-form sickled. S. *columnar-leaved.*

* * *Beardless* (flowers keel'd without a pencil) shrub-growing.

- theezans.* P. flowers beardless, peduncles one-flower'd, stem shrubby, leaves alternate lanced.
- Penæa.* 9. P. flowers beardless lateral solitary, stem arborescent : leaves obtuse petioled.
- diversifolia.* 10. P. flowers beardless racemed, stem arborescent, the older leaves oblong-egg'd ; the recent ones rather egg'd. *different-leaved.*
- microphylla.* 12. P. flowers beardless racemed, stems shrubby, leaves most minute elliptic. *small-leaved.*
- chinensis.* 11. P. flowers beardless spiked axillary, stem rather shrubby, leaves oval. *china.*
- Chamæbuxus.* 13. P. flowers beardless scatter'd, keel with top roundish, stem shrubby, leaves lanced.
- alopecurusides.* P. flowers beardless sessile, leaves crowded egg'd acute keel'd hairy. *foxtail-like.*
- Heisteria.* 15. P. flowers beardless lateral, stem arborescent, leaves three-sided dagger-thorn'd.

526. TWO BROTHERHOODS. EIGHT MALES. Polygala.

- Stipulacea.* P. flowers beardless lateral, stem rather shrubby, leaves
threefold linear acute. *stipuled.*
- æstivans.* P. flowers beardless racemed, leaves lanced petioled,
stem shrubby. S. *burning.*
- squarrosa.* P. flowers beardless, stem shrubby, leaves aggregate
lanced spreading. S. *ragged.*
- trinervia.* P. flowers beardless, peduncles one-flower'd, leaves
alternate hearted piked three-nerved, stem
shrubby angled. S. *three-nerved.*
- mixta.* P. flowers beardless sessile, leaves columnar dagger'd
most crowded. S. *mix'd.*

*** Beardless : herbaceous, with stem most simple.

- senega.* 16. P. flowers beardless spiked, stem erect herbaceous
most simple, leaves broad-lanced.
- lutea.* 17. P. flowers beardless oblong-headed, stem erect herba-
ceous most simple, leaves lanced acute. *yellow.*
- viridescens.* 18. P. flowers beardless globe-headed, stem erect herba-
ceous most simple, leaves lanced obtusifish. *green-
growing.*
- triflora.* 19. P. flowers beardless, peduncles mostly three-flower'd,
stem herbaceous erect, leaves linear alternate.
three-flower'd.
- glaucoides.* 20. P. flowers beardless, peduncles many-flower'd lateral,
stems diffuse herbaceous, leaves acute. *glaux-
like.*

**** Beardless : herbaceous, branchy.

- ciliata.* 21. P. flowers beardless, capsules fringe-tooth'd, stem
herbaceous erect. *fringed.*
- sanguinea.* 22. P. flowers beardless, peduncles ragged, stem herba-
ceous branchy erect. *bloody.*
- verticillata.* 23. P. flowers beardless remote in space, leaves linear
verticil'd, stem herbaceous branchy. *verticil'd.*
- cruciata.* 24. P. flowers beardless, leaves fourfold. *cross'd.*

853. SECURIDACA. *Cal.* 3-leaved. *Cor.* papilionaceous: the banner two-leaved within the wings. *Legume* egg'd, 1-cell'd, 1-seeded, terminating in a ligulate wing.

<i>erecta.</i>	1. S. stem erect.	<i>erect.</i>
<i>volubilis.</i>	2. S. stem climbing.	<i>twining.</i>

1416. DALBERGIA. Two *Filaments* of *Stamens* four-cleft at top. *Fruit* pedicel'd, not gaping, legumed, membrane-compress'd, seed-bearing. *S.*

<i>lanceolaria.</i>	D. leaves feather'd: leaflets elliptic hairy underneath, fruit lanced. <i>S.</i>	<i>lanced.</i>
<i>monetaria.</i>	D. leaves three'd: leaflets smooth egg'd, fruit oval veinless. <i>S.</i>	<i>money.</i>

T E N M A L E S.

(*Decandria.*)

853. NISSOLIA. *Cal.* 5-tooth'd. *Capsf.* one-seeded, terminating in a ligulate wing.

<i>arborea.</i>	1. N. stem arborefcnt erect.	<i>arborefcnt.</i>
<i>fruticofa.</i>	2. N. stem shrubby twining.	<i>shrubby.</i>

528. TWO BROTHERHOODS. TEN MALES. Abrus.

1286. ABRUS. *Cal.* obscurely four-lobed: the superiour one broader. *Filaments* 9, the lowest conjoin'd at the base, gaping on the back. *Stigma* obtuse. *Seeds* spherical.

precatorius.

I. ABRUS.

preccatory.

854. PTEROCARPOS. *Cal.* 5-tooth'd. *Capf.* sickled, leafy, varix'd. *Seeds* some foliary.

Draco. I. P. leaves feather'd. *Dragon.*
ecastaphyllum. P. leaves simple egg'd pointed silky underneath.
P. leaves simple aggregate inverse-egg'd veinless.
lunatus. P. leaves feather'd, thorns stipuled, fruit moon'd. *S.*
moon'd.
Santalinus. P. leaves three'd roundish retuse most smooth, petals notch'd waved. *S.*

855. ERYTHRINA. *Cal.* 2-lip'd: $\frac{1}{1}$. *Cor.* banner most long, lanced.

herbacea. I. E. leaves three'd, stems most simple shrub-annual.
herbaceous.
Corallodendrum. 2. E. leaves three'd unarm'd, stem arborescent prickly.
Coral-wood.
pieta. 3. E. leaves three'd prickly, stem arborescent prickly.
painted.
crista Galli. E. leaves three'd: petioles rather prickly glanded, stem arborescent unarm'd.
Cock's comb.
planifliqua. A. E. leaves simple oblong.
flat-fliqued.

856. PIS-

856. PISCIDIA. *Stigma* acute. *Legume* four-ways wing'd.

Erythrina. A. P. leaflets egg'd. *intoxicates fish.*
carthaginen- 2, P. leaflets inverse-egg'd. *carthaginian.*
sis.

857. BORBONIA. *Stigma* end-nick'd. *Cal.* point-thorny. *Legume* dagger'd.

ericifolia. 1. B. leaves sublinear acute villous, heads terminal. *beath-leaved.*
laevigata. 7. B. leaves lanced nerveless smooth, involucre and *polish'd.*
calyxes shaggy.
trinervia. 2. E. leaves lanced three-nerved most intire. *three-nerved.*
lanceolata. 3. E. leaves lanced many-nerved most intire. *lanced.*
cordata. 4. E. leaves hearted many-nerved most intire. *hearted.*
crenata. 6. E. leaves hearted many-nerved toothletted. *notch'd.*

858. SPARTIUM. *Stigma* longitudinal, villous above. *Filaments* adhering to the germ. *Cal.* produced downwards. *Broom.*

* *With leaves simple.*

contaminatum. S. branches columnar, leaves alternate thread-form contaminated at the base. *contaminated.*
sepiarium. 1. S. branches rugged, superiour leaves crowded thread-form. *ledge.*
junceum. 2. S. branches opposite columnar flower-bearing at top, leaves lanced. *rush.*
monospermum. 4. S. branches striated, racemes lateral, leaves lanced. *one-seeded.*
Sphaerocarpon. S. branches columnar, leaves lanced sessile pubescent underneath. *sphere-fruit.*
purgans. 11. S. leaves columnar striated, leaves lanced subsessile pubescent. *purging.*
scorpius. 5. S. branches thorny expanding, leaves egg'd. *scorpion.*
aphyllum. S. branches columnar striated smooth twiggy, leaves most short linear under-prop'd. S. *leafless.*

** *With*

* * *With leaves three'd.*

- angulatum.* 5. S. leaves solitary and three'd, branches six-angled flower-bearing at top. *angled.*
- patens.* S. leaves three'd, branches twiggy, flowers lateral double bowing. *expanding.*
- complicatum.* 7. S. leaves three'd : leaflets conduplicate, stem unarm'd prostrate smooth, legumes rugged. *complicated.*
- scoparium.* 8. S. leaves three'd and solitary, branches unarm'd angled. *besom.*
- radiatum.* 9. S. leaves three'd linear sessile, petioles permanent, branches opposite angled. *radiate.*
- spinosum.* 10. S. leaves three'd, branches angled thorny *thorny.*
- Supranulium.* S. leaves three'd, flowers axillary numerous peduncled, branches twiggy furrow'd hoary, legumes smooth. S.
- Cytisoides.* S. shrubby filky, leaves petioled three-linear most intire, branches columnar, racemes terminal. S. *Cytisus-like.*

859. GENISTA. *Cal.* 2-lip'd : $\frac{2}{3}$. *Banner* oblong, reflected downwards from the pistil and stamens. *Greenweed.*

* *Unarm'd.*

- canariensis.* 1. G. leaves three'd pubescent on both sides, branches angled. *canary.*
- candicans.* 2. G. leaves three'd villous underneath, peduncles lateral mostly five-flower'd leafy, legumes shaggy. *white.*
- linifolia.* 3. G. leaves three'd sessile linear filky underneath. *flax-leaved.*
- sagittalis.* 4. G. branches two-edged membranous jointed, leaves egg-lanced. *arrow'd.*
- tridentata.* 5. G. branches three-sided membranous rather jointed, leaves three-piked. *three-tooth'd.*
- tinctoria.* 8. G. leaves lanced smooth, branches striated columnar erect. *dyers.*
- sibirica.* G. leaves lanced smooth, branches equal columnar erect. *siberian.*

- florida.* 7. G. leaves lanced silky, branches striated columnar, racemes one-rank'd. *flowering.*
- pilosa.* 5. G. leaves lanced obtuse, stem tubercled decumbent. *hairy.*
- humifusa.* 6. G. leaves lanced fringed, branches prostrate striated villous. *ground-spread.*

* * Thorny.

- anglica.* 11. G. thorns simple, branches flower-bearing unarm'd, leaves lanced. *english.*
- germanica.* 12. G. thorns compound, branches flower-bearing unarm'd, leaves lanced. *german.*
- hispanica.* 13. G. thorns decomposed, branches flower-bearing unarm'd, leaves linear hairy. *spanish.*
- lusitanica.* 9. G. stem leafless, thorns decussated. *portugal.*

860. ASPALATHUS. *Cal.* 5-cleft: the superiour division larger. *Legume* egg'd, awnless, mostly two-seeded.

- spinosa.* 1. A. leaves fascicled linear naked surrounding the bud-thorn. *thorny.*
- verrucosa.* 7. A. leaves fascicled thread-form, buds warty downy naked. *warty.*
- capitata.* 3. A. leaves fascicled linear-acute, flowers headed, bractes naked. *headed.*
- astroites.* 2. A. leaves fascicled awl'd dagger'd smooth, stem villous, flowers scatter'd. *star.*
- chenopoda.* 4. A. leaves fascicled awl'd dagger'd shaggy, flowers headed most shaggy. *goose-foot.*
- albens.* A. leaves fascicled awl'd silky spreading at top, fascicles flowery scatter'd. *white.*
- thymifolia.* 5. A. leaves fascicled awl'd unarm'd smooth most short, flowers alternate. *thyme-leaved.*
- ericifolia.* 6. A. leaves fascicled linear unarm'd shaggy, flowers alternate, calyxes linear. *heath-leaved.*
- nigra.* A. leaves fascicled linear obtusifish, flowers head-spiked pubescent. *black.*
- carnosa.* A. leaves fascicled columnarish obtuse, calyxes subpubescent acute, corols smooth. *fleshy.*
- giliaris.* A. leaves fascicled thread-form rugged, flowers terminal sessile, banners pubescent. *fringed.*

532. TWO BROTHERHOODS. TEN MALES. *Aspalathus*

- genioides.* A. leaves fascicled thread-form polish'd, calyxes sub-racemed pendulous and corols smooth. *green-weed-like.*
- galioides.* A. leaves fascicled linear polish'd, peduncles two-flower'd elongated leafy at top. *bedstraw-like*
- retroflexa.* 8. A. leaves fascicled awl'd smooth most small, branches thread-form most expanding, flowers solitary terminal. *retroflex.*
- uniflora.* 9. A. leaves fascicled linear unarm'd smooth, stipules acute permanent, flowers solitary, calyxes with boat-form divisions. *one-flower'd.*
- araneosa.* 10. A. leaves fascicled bristly unarm'd hispid, flowers headed. *cobweb.*
- canescens.* A. leaves fascicled awl'd down-silky, flowers lateral, banners pubescent. *hoary.*
- indica.* 12. A. leaves five'd sessile, peduncles one-flower'd: *indian.*
- Ebenus.* 11. A. leaves aggregate inverse-egg-oblong downy underneath, peduncles two-flower'd, legumes two-lobed two-seeded.
- cretica.* 14. A. leaves threefold wedge-form smooth: lateral ones shorter, stipules obscure, flowers collected. *cretan.*
- quinquefolia.* 13. A. leaves fivefold sessile, peduncles spiked. *five-leaved.*
- tridentata.* 15. A. leaves threefold lanced smooth, stipules three-tooth'd dagger'd flowers headed. *three-tooth'd.*
- pilosa.* A. leaves three-fold linear villous, heads terminal most hairy, corols pubescent. *hairy.*
- anthylloides.* 16. A. leaves threefold lanced equal subpubescent, stipules none, heads terminal. *anthyllis-like.*
- laxata.* A. leaves threefold linear villous, flowers fascicled fivefold, calyxes woolly, stems prostrate columnar. *loose.*
- argentea.* 17. A. leaves threefold linear silky, stipules simple dagger'd, flowers scatter'd downy. *silver.*
- callosa.* 18. A. leaves threefold awl'd equal, stipules roundish callous, flowers spiked smooth. *callous.*
- orientalis.* A. leaves threefold lanced pubescent, flowers fascicled fivefold, calyxes pubescent, stems erect angled. *oriental.*
- pinnata.* 19. A. leaves feather-five'd inverse-hearted, peduncles headed. *feather'd.*
- mucronatus.* A. leaves three'd polish'd, branches pointed, flowers racemed. S. *dagger'd.*

- Asparagoides.* A. leaves fascicled bristly hairyish, calyxes leaf-form the length of the corol solitary. S. *Asparagus-like.*
- heterophylla.* A. leaves of the branches fascicled, of the branchlets three'd linear shaggy, spikes terminal, calyx and corols villous. S. *different-leaved.*
- glomerata.* A. leaves fascicled linear acute villous incurved, flowers headed, calyx - divisions egg'd, corols smooth. S. *glomerated.*
- sericea.* A. leaves fascicled lanced silky, peduncles terminal two-flower'd, banner nakedish. S. *silky.*
- Hystrix.* A. leaves fascicled thread-form rigid thorny silky, flowers lateral sessile solitary, corols villous. S. *Porcupine.*

881. ULEX. *Cal.* 2-leaved. *Legume* scarcely longer than the calyx. *Gorse.*

- europæus.* 1. U. leaves villous acute, thorns scatter'd. *european.*
- capensis.* 2. U. leaves solitary obtuse, thorns simple terminal. *cape.*

861. AMORPHA. Banner of the *Corol* egg'd, concave. Wings o. Keel o.

- fruticosa.* 1. AMORPHA. *shrubby.*

862. CROTALARIA. *Legume* turgid, inflated, pedicel'd. *Filaments* conjoin'd with a fissure on the back.

* *With leaves simple.*

- perforata.* 1. C. leaves leaf-pierced hearted toothletted. *perforated.*
- perfoliata.* 2. C. leaves leaf-pierced heart-egg'd. *leaf-pierced.*
- amplexicaulis.* 3. C. stem-leaves stem-clasping hearted alternate, floral leaves opposite kidney-form colour'd, flowers solitary. *stem-clasping.*
- sagittalis.* 4. C. leaves simple lanced, petioles decurrent solitary two-tooth'd. *arriv'd.*

534. TWO BROTHERHOODS. TEN MALES. *Crotalaria*.

- chinensis*. 5. C. leaves simple egg'd subpetioled, stipules most minute
china.
- juncea*. 6. C. leaves simple lanced petiole-seffile, stem striated.
rush.
- imbricata*. 7. C. leaves simple egg'd acute villous seffile, flowers subseffile.
imbricated.
- retusa*. 8. C. leaves simple oblong wedge-form retuse.
retuse.
- seffiliflora*. 9. C. leaves simple lanced subseffile, flowers seffile lateral, stem equal.
seffile-flower'd.
- triflora*. 10. C. leaves simple egg'd seffile smooth, branches angled, peduncles threefold lateral one-flower'd.
three-flower'd.
- verrucosa*. 11. C. leaves simple egg'd, stipules moon'd declining, branches four-corner'd.
warty.
- biflora*. C. leaves simple obtuse, stems prostrate herbaceous, peduncles two-flower'd.
two-flower'd.
- opposita*. C. smooth unstipuled, leaves oblong seffile, peduncles axillary two-leaved. S.
opposite.
- linifolia*. C. shaggy, leaves linear obtuse shaggy petioled unstipuled, stem angled, raceme terminal. S.
flax-leaved.
- bifaria*. C. pubescent diffuse stipuled, leaves two-faced, the inferiour ones orbicular, the superiour oblong, peduncles one-flower'd. S.
two-faced.
- * * *With leaves compound.*
- latifolia*. 12. C. leaves three'd inverse-egg'd, flowers lateral subramced.
broad-leaved.
- lunaris*. 13. C. leaves three'd egg'd acute, stipules half-hearted moon'd.
moon'd.
- laburnifolia*. 14. C. leaves three'd egg'd pointed, stipules none, legumes pedicel'd.
laburnum-leaved.
- cordifolia*. C. leaves three'd inverse-hearted dagger'd, flowers corymbed, stem shrubby.
heart-leaved.
- incana*. 15. C. leaves three'd pointed, stipules bristly, legumes shaggy.
hoary.
- quinquefolia*. 17. C. leaves fived.
five-leaved.
- incanescens*. C. leaves three'd obtuse, stipules leafy, branches hoary. S.
- heterophylla*. C. leaves three'd elliptic end-nick'd: the inferiour ones simple. S.
different-leaved.

863. ONONIS. *Cal.* 5-parted: divisions linear.
Banner striated. *Legume* turgid, sessile.
Filaments conjoin'd without a fissure.
Restbarrow.

* *With flowers subsessile.*

- antiquorum.* 1. O. flowers solitary larger than the leaflet, the inferiour leaves three'd, branches smoothish thorny. *of the ancients.*
- arvensis.* 2. O. flowers racemed double, leaves three'd: the superiour ones solitary, branches unarm'd subvillous. *field.*
- repens.* 3. O. stems diffuse, branches erect, superiour leaves solitary, stipules egg'd. *creeping.*
- minutissima.* 4. O. flowers subsessile lateral, leaves three'd smooth, stipules sword-form, calyxes parch'd longer than the corol. *most minute.*
- mitissima.* 6. O. flowers sessile spiked, bractes stipular egg'd bellied parch'd imbricated. *most soft.*
- alopecuroides.* 7. O. spikes leafy, leaves simple obtuse, stipules dilated. *Foxtail-like.*
- variegata.* 8. O. stipules and bractes tooth'd, leaves simple striated, flowers subpeduncled. *variegated.*

** *With flowers peduncled: peduncles awnless.*

- pubescens.* O. peduncles awnless most short, superiour leaves simple, stipules egg-lanced most intire. *pubescent.*
- cernua.* 17. O. racemes upright, leaves wedge-form, legumes bowing linear recurved. *bowing.*
- umbellata.* O. peduncles awnless umbel'd, leaves three'd end-nick'd, stems prostrate. *umbel'd.*
- filiformis.* O. peduncles awnless mostly three-flower'd, leaves three'd subsessile: leaflets egg'd dagger'd. *thread-form.*
- capensis.* 18. O. racemes peduncled long, leaves three'd suborbicular. *cape.*
- prostrata.* O. peduncles awnless one-flower'd most long, leaves three'd acute, stipules awl'd, stems prostrate. *prostrate.*

536. TWO BROTHERHOODS. TEN MALES. *Ononis*.

- reclinata*. 19. O. peduncles awnless one-flower'd, leaves three'd roundish notch'd, legumes bowing. *reclined.*
conifolia. O. peduncles awnless one-flower'd, leaves threecold wedged, stipules saw'd, stems prostrate
argentea. O. twining, peduncles awnless umbel'd, leaves three'd: leaflets sessile silver-downy. S. *silver.*
involucrata. O. shaggy prostrate, peduncles umbel'd awnless involucred: involucre four-leaved, leaves three'd wedge-form. S. *involucred.*

* * * *With peduncles awn'd.*

- Cerberi*. 5. O. peduncles one-flower'd awn'd, leaves three'd, stipules saw'd.
viscosa. 11. O. peduncles one-flower'd awn'd, leaves simple: the lowest three'd. *viscus.*
ornithopodivides. 12. O. peduncles two-flower'd awn'd, legumes linear bowing. *bird's-foot-like.*
pinguis. 10. O. peduncles one-flower'd awn'd, leaves three'd lanced, stipules most intire. *fat.*
Natrix. 9. O. peduncles one-flower'd awn'd, leaves three'd viscous, stipules most intire, stem shrubby.
hispanica. O. peduncles awn'd mostly one-flower'd, leaves all three'd channel'd recurved totally saw'd. S. *spanish.*

* * * *Shrubby.*

- tridentata*. 13. O. shrubby, leaves three'd fleshy sublinear three-tooth'd, peduncles two-flower'd. *three-tooth'd.*
crispa. 14. O. shrubby, leaves three'd waved roundish tooth'd viscous - pubescent, peduncles one-flower'd awnless. *curl'd.*
fruticosa. 15. O. shrubby, leaves sessile three'd lanced saw'd, stipules sheath'd, peduncles mostly three-flower'd. *shrubby*
rotundifolia. 16. O. shrubby, leaves three'd egg'd tooth'd, calyxes three-leaf-bracted, peduncles mostly three-flower'd. *round-leaved.*
mauritanica. O. shrubby, leaves five'd inverse-egg'd dagger'd silky underneath, stipules thread-form, peduncles racemed. *mauritanian.*
microphylla. O. shrubby thorny, leaves minute most intire, legumes recurved. S. *small-leaved.*

864. ANTHYLLIS. *Cal.* bellicd. *Legume* roundish, cover'd. *Lady's finger.*

* *Herbaceous.*

- tetraphylla.* 1. A. herbaceous, leaves four-feather'd, flowers lateral. *four-leaved.*
- Vulneraria.* 2. A. herbaceous, leaves feather'd unequal, head doubled. *wound-wort.*
- montana.* 3. A. herbaceous, leaves feather'd equal, head terminal one-rank'd, flowers oblique. *mountain.*
- cornicina.* 4. A. herbaceous, leaves feather'd unequal, heads solitary. *horny.*
- lotoides.* 5. A. herbaceous, leaves three-parted, calyxes prismatic fascicled the length of the legumes. *lotus-like.*
- Gerardi.* A. herbaceous, leaves feather'd unequal, peduncles lateral longer than the leaf, heads leafless. *of Gerard.*
- involutrata.* A. subherbaceous, leaves three'd petioled stipuled sword-form, flowers headed. *involved.*
- quinquefolia.* A. herbaceous, leaves three'd linear, head five-flower'd. S. *five-leaved.*

** *Shrubby.*

- linifolia.* A. shrubby, leaves three'd sessile sword-form, flowers headed. *flax-leaved.*
- Barba jovis.* 6. A. shrubby, leaves feather'd equal downy, flowers headed. *Jupiter's beard.*
- heterophylla.* 7. A. shrubby: leaves feather'd: floral-leaves three'd. *different-leaved.*
- Cytisoides.* 8. A. shrubby, leaves three'd unequal, calyxes woolly lateral. *Cytisus-like.*
- hermannia.* 9. A. shrubby, leaves three'd subpeduncled, calyxes naked.
- Erinacea.* 10. A. shrubby thorny, leaves simple.
- visciflora.* A. leaves finger-feather'd, calyxes shaggy. S. *viscous-flower'd.*

538. TWO BROTHERHOODS. TEN MALES. *Arachis*.

876. ARACHIS. *Cal.* 2-lip'd. *Cor.* fupine. *Fi-*
laments connected. *Legume* gibbous,
wreathed, vein'd, leathery. *Earth-*
Nut.

hypogæa. I. ARACHIS. *flowers one-house. subterranean.*

895. EBENUS. Teeth of the *Calyx* the length of
the corol. *Cor.* with wings nearly
none. *Seed* 1, shaggy. *Ebony*.

cretica. I. E. leaves fived. *cretan.*
capensis. 2. E. leaves three'd. *cape.*

865. LUPINUS. *Cal.* 2-lip'd. *Anthers* 5 ob-
long, 5 roundish. *Legume* leathery.
Lupine.

perennis. 1. L. calyxes alternate unappendaged: the upper lip
end-nick'd; the lower intire. *perennial.*
albus. 2. L. calyxes alternate unappendaged: the upper lip
intire; the lower three-tooth'd. *white.*
varius. 4. L. calyxes semiverticil'd appendaged: the upper lip
two-cleft; the lower nearly three-tooth'd. *various.*
hirsutus. 3 L. calyxes alternate appendaged: the upper lip two-
parted; the lower three-tooth'd. *shaggy.*
pilosus. L. calyxes verticil'd appendaged, the upper lip two-
parted, the lower intire. *hairy.*
angustifolia. 5. L. calyxes alternate appendaged: the upper lip two-
parted; the lower intire. *narrow-leaved.*
luteus. 6. L. calyxes verticil'd appendaged: the upper lip two-
parted: the lower three-tooth'd. *yellow.*

866. PHA-

866. PHASEOLUS. *Keel with stamens and style spirally twisted. Kidney-bean.*

* *Climbing*

- vulgaris*. 1. Ph. stem twining, flowers racemed double, bractes less than the calyx, legumes pendulous. *common*.
- lunatus*. 2. Ph. stem twining, legumes scymitar-form somewhat moon'd polish'd. *moon'd*.
- inamænus*. 3. Ph. stem twining, banner of the flowers revolute of the colour of the calyxes. *unpleasant*.
- farinosus*. 4. Ph. stem twining, peduncles rather headed, seeds four-corner-cylindric dusty. *mealy*.
- vexillatus*. 5. Ph. stem twining, peduncles thicker than the petiole headed, wings rather sickled different, legumes linear upright. *banner'd*.
- helvolus*. 6. Ph. stem twining, flowers headed, calyxes bracted, wings expanded most large, leaflets delta-like oblong. *pale-red*.
- semierectus*. 14. Ph. stem half-twining, flowers spiked, calyxes bracteless, wings expanded larger, leaflets egg'd. *semierect*.
- alatus*. 7. Ph. stem twining, flowers loosely spiked, wings the length of the banner. *wing'd*.
- Caracalla*. 8. Ph. stem twining, banners and keel spirally convolute.
- aconitifolia*. Ph. stem twining, leaves mostly five-parted. *S aconite-leaved*.

* * *Erect*.

- nanus*. 9. Ph. stem erect polish'd, bractes larger than the calyx, legumes pendulous compress'd wrinkled. *dwarf*.
- radiatus*. 10. Ph. stem erect columnar, flowers headed, legumes cylindric horizontal. *radiated*.
- Max*. 11. Ph. stem straight angled hispid, legumes pendulous shaggy.
- Mungo*. 15. Ph. stem winding columnar shaggy, legumes headed shaggy.
- lathyroides*. 12. Ph. stem erect, leaflets lanced. *lathyrus-like*.
- sphaerispermus*. 13. Ph. stem erect, seeds globular fringed in the hile. *sphere-seeded*.

867, DOLICHOS. Two calluses at the base of the *Banner* parallel, oblong, compressing the wings underneath.

* *Twining.*

- Lablab.* 2. D. twining, legumes egg-scutiform, seeds egg'd with the hile bow'd towards the other extremity.
- sinensis.* 1. D. twining, legumes pendulous cylindric wreathed, peduncles erect many-flower'd. *china.*
- uncinatus.* 3. D. twining, legumes cylindric shaggy with a claw at top awl'd hook'd, peduncles many-flower'd, stem shaggy. *hook'd.*
- unguiculatus.* 4. D. twining, legumes headed subcylindric with top recurved concave. *claw'd.*
- ensiformis.* 3. D. twining, legumes sworded three-keel'd on the back, seeds aril'd. *sword-form.*
- tetragonolobus.* 9. D. twining, legumes membrane-four-angled. *four-corner-lobed.*
- sesquipedalis.* 5. D. twining, legumes subcylindric polish'd most long. *Foot and half.*
- altissimus.* 6. D. twining, legumes racemed shaggy equal, seeds girt with the hile, leaves smooth on both sides. *highest.*
- prurirens.* 7. D. twining, legumes racemed: valvelets rather keel'd shaggy, peduncles three-fold. *Cowitch. itchy.*
- urens.* 8. D. twining, legumes racemed: furrows transversely lanced, seeds girt with the hile. *stinging.*
- minimus.* 11. D. twining, legumes racemed: compress'd four-seeded, leaves rhomb'd. *leaf.*
- capensis.* D. twining, peduncles mostly two-flower'd, legumes elliptic compress'd, leaves smooth. *cape.*
- scarabæoides.* 12. D. twining, leaves egg'd downy, flowers solitary, seeds two-horn'd. *scarabæus-like.*
- bulbosus.* 6. D. twining, leaves smooth many-angled tooth'd.
- trilobus.* 14. D. twining, the lateral leaves gibbous outwardly, the intermediate one three-lobed. *three-lobed.*
- aristatus.* 15. D. twining, peduncles two-flower'd axillary, legumes linear compress'd: awn terminal straight. *awn'd.*
- filiformis* 16. D. twining, leaflets linear obtuse dagger'd smooth pubescent underneath. *thread-form.*

- purpureus*. 18. D. twining, stem smooth; petioles pubescent, wings of the corol expanding. *purple.*
- regularis*. 19. D. twining, leaves egg'd obtuse, peduncles many-flower'd, petals of equal magnitude and figure. *regular.*
- lignifus*. 20. D. twining, stem perennial, peduncles headed, legumes upright linear. *woody.*
- polystachios*. 21. D. twining, stem perennial, spikes most long; pedicels double, legumes pointed compress'd. *many-spiked.*

* * *Erect.*

- ensiformis*. 23. D. stem suberect, legumes scymitar-form three-keel'd, seeds ail'd. *sword-form.*
- Soja*. 24. D. stem erect winding, racemes axillary erect, legumes pendulous hispid mostly two-seeded.
- Catiang*. D. stem erect, legumes double linear erectish.
- biflorus*. 25. D. stem perennial polish'd, peduncles two-flower'd, legumes erect. *two-flower'd.*
- repens*. 22. D. stem creeping, leaves pubescent egg'd, flowers racemed double, legumes linear columnar. *creeping.*

868. GLYCINE. *Cal.* 2-lip'd. Keel of the *Corol* reflecting the banner at top. *Liquorice.*

- subterranea*. 1. G. leaves three'd radical, stems procumbent winding, peduncles two-flower'd. *subterranean.*
- monoica*. 2. G. leaves three'd nakedish, stems hairy, racemes pendulous, flowers fruit-bearing petalless. *one-house.*
- triloba*. G. leaves three'd with leaflets lobed, stem prostrate, peduncles two-flower'd. *three-lobed.*
- javanica*. 3. G. leaves three'd, stem villous, petioles shaggy, bractes lanced minute. *java.*
- comosa*. 4. G. leaves three'd shaggy, racemes lateral. *tufted.*
- tomentosa*. 5. G. leaves three'd downy, racemes most short axillary, legumes two-seeded. *downy.*
- bituminosa*. 6. G. leaves three'd, flowers racemed, legumes tumid villous. *bituminous.*
- nummularia*. G. leaves three'd most obtuse, racemes with flowers double, legumes sessile suborbicular compress'd. *money.*

542. TWO BROTHERHOODS. TEN MALES. *Glycine*.

- Apios.* 8. *G.* leaves odd-feather'd egg-lanced: leaflets seven-fold.
- frutescens.* 9. *G.* leaves odd-feather'd stem perennial. *shrubby.*
- monophylla.* 10. *G.* leaves simple hearted, stem pubescent three-sided. *one-leaved.*
- labialis.* *G.* twining, leaves three'd inverse-egg'd rather hoary, flowers axillary collected, corol nearly two-lip'd. *S.* *lip'd.*
- striata.* *G.* twining, leaves three'd oblong most softly hoary, racemes axillary the length of the leaves, legumes most shaggy. *S.* *striated.*
- suaveolens.* *G.* shrubby erect hoary, leaves three'd egg'd acute, flowers axillary solitary, legumes two-seeded. *S.* *sweet-scented.*

869. CLITORIA. *Cor.* supine: banner most large expanding overshadowing the wings.

- Ternatea.* 1. *C.* leaves feather'd.
- braziliana.* 2. *C.* leaves three'd, calyxes solitary bell'd. *brazile.*
- virginiana.* 3. *C.* leaves three'd, calyxes double bell'd. *virginian.*
- mariana.* 4. *C.* leaves thtee'd, calyxes cylindric.
- galactra.* 5. *C.* leaves three'd, raceme erect, flowers pendulous.

870. PISUM. *Style* triangular, keel'd above pubescent. The two superiour divisions of the *Calyx* shorter. *Pea.*

- sativum.* 1. *P.* petioles columnar, stipules rounded below notch'd, peduncles many-flower'd. *cultivated.*
- arvense.* 2. *P.* petioles four-leaved, stipules notch'd, peduncles one-flower'd. *field.*
- maritimum.* 3. *P.* petioles flattish above, stem angled, stipules arrow'd, peduncles many-flower'd. *sea.*
- Ocbrus.* 4. *P.* petioles decurrent membranous two-leaved, peduncles one-flower'd.

871. OROBUS. *Style* linear. *Cal.* obtuse at the base: superiour divisions deeper, shorter.

- latbyroides* 1. O. leaves pair'd subsessile, stipules tooth'd. *latbyrus-like.*
- hirsutus.* 2. O. leaves pair'd petioled, stipules intire. *shaggy.*
- luteus.* 3. O. leaves feather'd egg-oblong, stipules round-moon'd tooth'd. *yellow.*
- vernus.* 4. O. leaves feather'd egg'd, stipules half-arrow'd most intire, stem simple. *vernal.*
- tuberosus.* 5. O. leaves feather'd lanced, stipules half-arrow'd most intire, stem simple. *tuberos.*
- sylvaticus.* A. O. stems decumbent shaggy branchy. *wood.*
- angustifolius.* 6. O. leaves two-pair'd sword-form, stipules awl'd, stem simple. *narrow-leaved.*
- niger.* 7. O. stem branchy, leaves six-pair'd egg-oblong. *black:*
- pyrenaicus.* 8. O. stem branchy, leaves two-pair'd lanced nerved, stipules rather thorny. *pyrenean.*
- sylvaticus.* 9. O. stem branchy shaggy decumbent, leaves mostly seven-pair'd. *sylvan.*
- canescens.* O. stem branchy, leaves two-pair'd linear, stipules half-arrow'd awl'd. *S. hoary.*
- albus.* O. leaves two-pair'd sword-form petioled, stipules simple, stem simple. *S. white.*

872. LATHYRUS. *Style* flat, villous above, broader upwards. Two superiour divisions of the *Calyx* shorter.

* *With peduncles one-flower'd.*

- Aphaca.* 1. L. peduncles one-flower'd, tendrils leafless, stipules arrow-hearted.
- Nissolia.* 2. L. peduncles one-flower'd, leaves simple, stipules awl'd.
- amphicarpos.* 3. L. peduncles one-flower'd longer than the calyx, tendrils two-leaved most simple. *all-fruit.*
- Cicera.* 4. L. peduncles one-flower'd, tendrils two-leaved, legumes egg'd compress'd: channel'd on the back.
- sativus.* 5. L. peduncles one-flower'd, tendrils two-leaved and four-leaved, legumes egg'd compress'd two-margin'd on the back. *cultivated.*

544. TWO BROTHERHOODS. TEN MALES. *Lathyrus*.

- inconspicuus*. 6. L. peduncles one-flower'd shorter than the calyx, tendrils two-leaved simple, leaflets lanced. *inconspicuous.*
- setifolius*. 7. L. peduncles one-flower'd, tendrils two-leaved, leaflets bristle-linear. *bristle-leaved.*
- angulatus*. 8. L. peduncles one-flower'd awn'd, tendrils two-leaved most simple, leaflets linear. *angled.*
- articulatus*. 9. L. peduncles mostly one-flower'd, tendrils many-leaved, leaflets alternate. *jointed.*

* * *With peduncles two-flower'd.*

- odoratus*. 10. L. peduncles two-flower'd, tendrils two-leaved, leaflets egg-oblong, legumes shaggy. *odorous.*
- annuus*. 11. L. peduncles two-flower'd, tendrils two-leaved, leaflets sword-form, legumes smooth, stipules two-parted. *annual.*
- tingitanus*. 13. L. peduncles two-flower'd, tendrils two-leaved: leaflets alternate lanced smooth, stipules moon'd. *Tangier.*
- Clymenum*. 14. L. peduncles two-flower'd, tendrils many-leaved stipules tooth'd,

* * * *With peduncles many-flower'd.*

- hirsutus*. 12. L. peduncles mostly three-flower'd, tendrils two-leaved, leaves lanced, legumes shaggy, seeds rugged. *shaggy.*
- tuberosus*. 15. L. peduncles many-flower'd, tendrils two-leaved: leaflets oval, spaces between the knots naked. *tuberous.*
- pratensis*. 16. L. peduncles many-flower'd, tendrils two-leaved most simple: leaflets lanced. *meadow.*
- silvestris*. 17. L. peduncles many-flower'd, tendrils two-leaved: leaflets sword-form, spaces between the knots membranous. *wood.*
- latifolius*. 18. L. peduncles many-flower'd, tendrils two-leaved: leaflets lanced, spaces between the knots membranous. *broad-leaved.*
- heterophyllus*. 19. L. peduncles many-flower'd, tendrils two-leaved and four-leaved: leaflets lanced, spaces between the knots membranous. *different-leaved.*
- palustris*. 20. L. peduncles many-flower'd, tendrils many-leaved, stipules lanced. *marsh.*

pisiformis. 21. L. peduncles many-flower'd, tendrils many-leaved, stipules egg'd broader than the leaflet. *Pea-form.*

873. VICIA. *Stigma* transversely bearded on the inferiour side. *Vetch.*

* *With peduncles elongated.*

- pisiformis*. 1. V. peduncles many-flower'd, petioles many-leaved : leaflets egg'd : the lowest sessile. *Pea-form.*
- dumetorum*. 2. V. peduncles many-flower'd, leaflets reflected egg'd dagger'd, stipules rather tooth'd. *bush.*
- sylvatica*. 3. V. peduncles many-flower'd, leaflets oval, stipules toothletted. *wood.*
- cassubica*. 4. V. peduncles mostly five-flower'd, leaflets tenfold egg'd acute, stipules intire.
- Cracca*. 5. V. peduncles many-flower'd, flowers imbricated, leaflets lanced pubescent, stipules intire.
- onobrychioides*. 6. V. peduncles many-flower'd, flowers distant, leaflets linear, stipules toothletted below. *onobrychis-like.*
- Nissoliana*. 7. V. peduncles many-flower'd, leaflets oblong, stipules intire, legumes villous egg-oblong.
- biennis*. 8. V. peduncles many-flower'd, petioles furrow'd mostly twelve-leaved : leaflets lanced smooth. *biennial.*
- benghalensis*. 9. V. peduncles many-flower'd, leaflets most intire, stipules intire, legumes erectish. *Bengal.*

** *With flowers axillary, subsessile.*

- sativa*. 10. V. legumes sessile mostly two'd erect, leaves retuse, stipules mark'd. *cultivated.*
- lathyroides*. 11. V. legumes sessile solitary erect smooth, leaflets sixfold : the inferiour ones inverse-hearted. *lathyrus-like.*
- lutea*. 12. V. legumes sessile reflected hairy solitary five-seeded, banners of the corol smooth. *yellow.*
- hybrida*. 13. V. legumes sessile reflected hairy five-seeded, banners of the corol villous. *mild.*
- peregrina*. 14. V. legumes subsessile pendulous smooth, four-seeded, leaflets linear end-nick'd. *foreign.*
- sepium*. 15. V. leaves pedicel'd mostly fourfold erect, leaflets egg'd most intire : exterior ones decreasing. *Hedge.*

16. V.

546. TWO BROTHERHOODS. TEN MALES. *Vicia*.

- bithynican.* 16. *V.* legumes peduncled solitary erect, leaflets fourfold oval-lanced, stipules tooth'd. *bithynian.*
narbonensis. 17. *V.* legumes with stipe mostly threefold erect, leaflets sixfold rather egg'd, stipules toothletted. *narbon.*
Faba. 18. *V.* stem erect, petiole without tendrils. *Bean.*

874. ERVUM. *Cal.* 5-parted the length of the corol. *Tare.*

- Lens.* 1. *E.* peduncles mostly two-flower'd, seeds compress'd convex.
tetraspermi- 2. *E.* peduncles mostly two-flower'd, seeds globular
um. fourfold. *four-seeded.*
hirsutum. 3. *E.* peduncles many-flower'd, seeds globular twofold. *shaggy.*
soloniense. 4. *E.* peduncles mostly two-flower'd awn'd, petioles pointed: leaflets obtuse.
monanthos. 5. *E.* peduncles one-flower'd. *one-flower'd.*
Ervilia. 6. *E.* germs bare-plaited: leaves odd-feather'd.

875. CICER. *Cal.* 5-parted the length of the corol: the four superiour divisions incumbent on the banner. *Legume* rhomb'd, turgid, two-seeded.

- arietinum.* CICER with leaflets saw'd. *ram.*

1319. LIPARIA. *Cal.* 5-cleft: the lowest division elongated. *Cor.* wings two-lobed below, Three teeth of the greater *Stamen* shorter. *Legume* egg'd.

- sphaerica.* L. flowers headed, leaves lanced nerved smooth. *spheric.*
graminifolia. L. flowers headed, leaves linear alternate acute sessile, calyxes villous. *grass-leaved.*
opposita. L. flowers solitary, floral leaves opposite. *opposite.*
umbellata. L. flowers umbel'd, leaves lanced polish'd. *umbel'd.*
villoja. L. flowers fascicled, leaves egg'd villous-downy. *villous.*
sericea. L. flowers subspiked, leaves egg'd villous downy. *silky.*

876. **CYTISUS.** *Cal.* 2-lip'd: $\frac{2}{3}$. *Legume* attenuated at the base.

- Laburnum.* 1. *C.* racemes simple pendulous, leaflets egg-oblong.
nigricans. 2. *C.* racemes simple erect, leaflets egg-oblong. *black.*
sessilifolius. 3. *C.* racemes erect, bracte of the calyx triple, floral
 leaves sessile. *sessile-leaved.*
Cajan. 4. *C.* racemes axillary erect, leaflets sublanced downy :
 the intermediate one petioled longer.
patens. *C.* flowers peduncled mostly two'd lateral nodding.
expanding.
hirsutus. 5. *C.* peduncles simple lateral, calyces shaggy three-cleft
 obtuse belly-oblong. *shaggy.*
supinus. 6. *C.* flowers umbel'd terminal rarely erect, leaflets egg'd.
supine.
austriacus. 7. *C.* flowers umbel'd terminal, stems erect, leaflets
 lanced. *austrian.*
argenteus. 11. *C.* flowers subsessile mostly two'd, leaves downy, stems
 decumbent, stipules minute. *silver.*
græcus. 10. *C.* leaves simple lance-linear, branches angled. *greek.*
wolgaricus. *C.* hoary, racemes simple erect, flowers one-rank'd,
 leaves feather'd: leaflets roundish, stipules
 awl'd. *S.* *Volga.*
proliferus. *C.* umbels axillary sessile proliferous, leaves three'd
 petioled: leaflets lanced silky, bractes thread-
 form. *S.* *proliferous.*
glaber. *C.* leaves three'd, flowers lateral solitary subsessile
 pendulous. *S.* *smooth.*
pendulinus. *C.* flowers mostly two'd peduncled lateral nodding one-
 rank'd. *S.* *pendulous.*

678. **GEOFFRYA.** *Cal.* 5-cleft. *Drupe* egg'd.
Nucleus compress'd.

- spinosa.* 1. **GEOFFRYA.** *thorny.*

548. TWO BROTHERHOODS. TEN MALES. Robinia.

879. ROBINIA. *Cal.* 4-cleft, *Legume* gibbous, elongated.

- Pseudacacia*. 1. R. racemes with pedicels one-flower'd, leaves odd-feather'd, stipules thorny. *falsi-acacia*.
- violacea*. 2. R. racemes with pedicels one-flower'd, leaves odd-feather'd, stem unarm'd. *violet*.
- bispida*. 7. R. racemes axillary, leaves odd-feather'd, stem unarm'd hispid. *bispid*.
- nitis*. 3. R. racemes with pedicels threefold, leaves odd-feather'd, stem unarm'd. *mild*.
- Caragana*. 4. R. peduncles simple, leaves abruptly feather'd, petioles unarm'd.
- spinosa*. R. peduncles simple, leaves abruptly feather'd, stipules and petioles spinose. *thorny*.
- frutescens*. 5. R. peduncles simple, leaves four'd subpetioled, terminated by an unarm'd thorn. *shrubby*.
- pygmaea*. 6. R. peduncles simple, leaves four'd sessile. *pygma*.
- Halodendron*. R. racemes axillary three-flower'd, petioles spinose, leaves three'd petioled: leaflets wedge-form thorny piked. S. *Salt-wood*.

880. COLUTEA. *Cal.* 5-cleft. *Legume* inflated gaping at the upper base. *Bladder-sena*.

- arborescens*. 1. C. arborecent, leaves inverse-hearted. *arborescent*.
- frutescens*. 2. C. shrubby, leaves egg-oblong. *shrubby*.
- herbacea*. 3. C. herbaceous, leaflets linear smooth. *herbaceous*.

882. GLYCYRRHIZA. *Cal.* 2-lip'd: $\frac{1}{3}$. *Legume* egg'd, compress'd. *Liquorice*.

- echinata*. 1. G. legumes hedge-hog'd, leaves stipuled, with an odd leaflet sessile. *hedge-hog'd*.
- glabra*. 2. G. legumes smooth, stipules none, leaflet odd petioled. *smooth*.
- hirsuta*. 3. G. legumes shaggy, leaflet odd petioled. *shaggy*.
- asperima*. G. legumes smooth? leaflets elliptic piked, stem hispid rugged. S. *roughest*.

883. CO-

883. CORONILLA. *Cal.* 2-lip'd: $\frac{2}{3}$: superiour teeth conjoin'd. *Banner* scarcely longer than the wings. *Legumes* intercepted with isthmuses.

- Emerus.* 1. C. shrubby, peduncles mostly three-flower'd, claws of the corols thrice as long as the calyx, stem angled.
- juncea.* 2. C. shrubby, leaflets fived and three'd linear-lanced rather fleshy obtuse. *rush.*
- valentina.* 3. C. shrubby, leaflets mostly nine, stipules suborbicular. *valentine.*
- glauca.* 4. C. shrubby, leaflets sevenfold most obtuse, stipules lanced. *sea-green.*
- coronata.* 5. C. shrubby, leaflets ninefold inverse-egg'd: the internal ones approximated to the stem, stipule leaf-opposed two-parted. *crown'd.*
- minima.* 7. C. shrubbyish procumbent, leaflets ninefold egg'd, stipule leaf-opposed end-nick'd, legumes angled knotty. *least.*
- argentea.* 6. C. shrubby, leaflets elevenfold silky: the outmost one greater. *silver.*
- Securidaca.* 8. C. herbaceous, legumes fickle-fworded, leaflets most numerous.
- varia.* 9. C. herbaceous, legumes erect columnar brawny numerous, leaflets most numerous smooth. *various.*
- cretica.* 10. C. herbaceous, legumes fivefold erect columnar jointed, leaflets elevenfold. *eretan.*
- scandens.* 11. C. stem climbing flaccid. *climbing.*

884. ORNITHOPUS. *Legume* jointed, columnar, bow'd, *Bird's-foot.*

- perpusillus.* 1. O. leaves feather'd, legumes incurved. *quite-feeble.*
- compressus.* 2. O. leaves feather'd, legumes recurved compress'd wrinkled, bracte feather'd. *compress'd.*
- scorpioides.* 3. O. leaves three'd subsessile: the odd one largest. *Scorpion-like.*
- 4-phylla.* 4. O. leaves four'd, flowers solitary. *four-leaved.*

885. HIPPOCREPIS. *Legume* compress'd, many-times edge-nick'd on one future, curved. *Horsethoe.*

- unifiliquosa.* 1. H. legumes sessile solitary straight. *one-filiqued.*
multifiliquosa. 2. H. legumes peduncled crowded circular, lobed on one margin. *many-filiqued.*
comosa. 3. H. legumes peduncled crowded bow'd: scollop'd on the exterior margin. *tufted.*

886. SCORPIURUS. *Legume* intercepted with isthmuses, revolute, columnar. *Scorpion-tail.*

- vermiculata.* 1. S. peduncles one-flower'd, legumes every where cover'd with obtuse scales. *caterpillar.*
muricata. 2. S. peduncles two-flower'd, legumes outwardly obtusely prickled. *murex'd.*
fulcata. 3. S. peduncles mostly two-flower'd, legumes with thorns outwardly distinct acute. *furrow'd.*
subvillosa. 4. S. peduncles mostly four-flower'd, legumes with thorns outwardly crowded acute. *subvillous.*

888. ÆSCHYNOMENE. *Cal.* 2-lip'd. *Legumes* with joints lop'd, one-seeded.

- grandiflora.* 1. Æ. stem arborescent, flowers most large, legumes thread-form. *great-flower'd.*
arborea. 2. Æ. stem arborescent polish'd, legumes with joints half-hearted smooth. *arborescent.*
aspera. 3. Æ. stem herbaceous rugged, legumes with joints rugged in the middle. *rough.*
americana. 4. Æ. stem herbaceous hispid, legumes with joints half-hearted, leaflets pointed, bracts fringed. *american.*
indica. 5. Æ. stem herbaceous polish'd, legumes polish'd brawny on one side obtuse, leaflets obtuse. *indian.*
Sesban. 6. Æ. stem herbaceous polish'd, legumes cylindric equal, leaflets obtuse.

- pumila*. 7. *Æ.* stem herbaceous polish'd, legumes saw'd on one side rugged in the middle, leaflets pointed. *dwarf.*
- coccinea*. *Æ.* arborefcnt, leaves feather'd: leaflets numerous linear obtufe dufty, legumes comprefs'd equal. *S.* *scarlet.*

887. HEDYSARUM. *Cor.* keel transversely obtufe. *Legume* with joints one-seeded. *French Honeysuckle.*

* *Leaves simple:*

- Alhagi*. 1. *H.* leaves simple lanced obtufe, stem shrubby thorny.
- bupleurifolium*. 2. *H.* leaves simple lanced acute, stem unarm'd, stipules parch'd. *Hare's ear-leaved.*
- nummularifolium*. 3. *H.* leaves simple wedge-form. *money-wort-leaved.*
- moniliferum*. 49. *H.* leaves simple orbicular, legumes necklace-form globe-jointed. *necklace-bearing.*
- styracifolium*. 6. *H.* leaves simple heart-orbicular retufe smooth above, downy underneath. *storax-leaved.*
- reniforme*. 4. *H.* leaves simple kidney-form, stem columnar. *kidney-form.*
- fororium*. *H.* leaves simple kidney-form end-nick'd, stem three-sided. *sister.*
- gangeticum*. 8. *H.* leaves simple egg'd acute stipuled. *ganges.*
- maculatum*. 5. *H.* leaves simple egg'd obtufe. *spotted.*
- latebrosum*. *H.* leaves simple egg'd sawletted, legumes conceal'd by a vaulted supine parch'd bracte. *lurking.*
- vaginale*. 9. *H.* leaves simple heart-lanced, petioles simple, stipules sheathing. *sheath.*
- triquetrum*. 10. *H.* leaves simple oblong, petioles wing'd, branches three-sided. *three-sided.*
- strobiliferum*. 11. *H.* leaves simple, bractes of the strobiles inflated hearted obtufe. *strobile-bearing.*
- imbricatum*. *H.* leaves simple hearted sessile stipuled: the superiour ones imbricated flower-bearing. *S.* *imbricated.*
- linifolium*. *H.* leaves simple linear hoary, stem prostrate, legumes globular. *S.* *flax-leaved.*
- vespertilionis*. *H.* leaves simple moon'd: lobes sickled backwards, raceme terminal, legumes retrofracted included in the inflated calyx. *S.* *Bat.*

* * *Leaves pair'd.*

diphyllum. 12. H. leaves two'd petioled, bractes double egg'd acute
sessile. *two-leaved.*

* * * *Leaves three'd.*

- pulchellum.* 13. H. leaves three'd: bractes double pair'd orbicular
lined. *pretty.*
- spartium.* H. leaves three'd and simple rather downy, stem two-
fork'd, flowers double, legumes jointed hispid. *Broom.*
- lineatum.* 19. H. leaves three'd oblong lined, racemes axillary pen-
dulous. *lined.*
- retroflexum.* 50. H. leaves three'd, racemes erect, legumes pendulous
many-jointed. *retroflex.*
- umbellatum.* 15. H. leaves three'd, peduncles umbel-bearing, stem
shrubby. *umbel'd.*
- biarticula-* 16. H. leaves three'd, stem shrubbyish, legumes two-
tum. jointed. *two-jointed.*
- heterocar-* 17. H. leaves three'd, flowers panicle-spiked, legumes
pon. jointed: the lowest one-seeded, stipules bristly.
different-fruited.
- viscidum.* 18. H. leaves three'd, legumes membranous polish'd in-
tire, stem and branches hispid. *viscid.*
- canadense.* 20. H. leaves simple and three'd, stem polish'd, flowers
racemed. *canadian.*
- canescens.* 21. H. leaves three'd rugged underneath, stem hispid,
flowers racemed pair'd. *hoary.*
- marylandi-* 23. H. leaves three'd: leaflets roundish, stem shrubby
cum. most branchy, legumes jointed polish'd. *mary-*
land.
- frutescens.* 24. H. leaves three'd rather egg'd villous underneath,
stem shrubby. *shrubby.*
- viridiflo-* 25. H. leaves three'd acutish, stem erect, racemes most
rum. long erect. *green-flower'd.*
- hirtum.* 26. H. leaves three'd oval, stem shrubby, spikes oblong,
calyxes and fruit shaggy one-seeded. *shaggy.*
- junceum.* 14. H. leaves three'd lanced, legumes one-jointed rhomb'd,
peduncles subumbel'd lateral. *rush.*
- violaceum.* 27. H. leaves three'd egg'd, flowers doubled, legumes
naked vein'd jointed rhomb'd. *violet.*
- panicula-* 28. H. leaves three'd linear-lanced, flowers paniced, le-
tum. gumes rhomb'd. *paniced.*

29. H.

- nudiflorum.* 29. H. leaves three'd, scape flower-bearing naked, stem leafy angled. *flower-naked.*
- repens.* 30. H. leaves three'd inverse-hearted, stems procumbent, racemes lateral. *creeping.*
- hamatum,* 31. H. leaves three'd nerved naked, spikes seffile, legumes two-seeded cover'd hook'd at the point. *hook'd.*
- triflorum.* 32. H. leaves three'd inverse-hearted, stems procumbent, peduncles one-flower'd threefold. *three-flower'd.*
- barbatum.* 22. H. leaves three'd, racemes oblong rather branchy, legumes inflected, calyxes hairy. *bearded.*
- lagopodioides.* 33. H. leaves three'd, racemes oblong, legumes inflected, calyxes shaggy. *bare's foot-like.*
- volvibile.* 34. H. leaves three'd egg-oblong, stem twining. *twining.*
- gyrans.* H. leaves three'd. *S. whirling.*

* * * * *Leaves feather'd.*

- argenteum.* H. leaves feather'd down-lucid underneath, legumes jointed, scape leafless. *silver.*
- alpinum.* 35. H. leaves feather'd, legumes jointed smooth pendulous, stem erect. *alpine.*
- obscurum.* 36. H. leaves feather'd, stipules sheathing, stem erect winding, flowers pendulous. *obscure.*
- coronarium.* 37. H. leaves feather'd, legumes jointed prickly naked straight, stem diffuse. *crown.*
- flexuosum.* 39. H. leaves feather'd, legumes jointed prickly winding, stem diffuse. *winding.*
- humile.* 40. H. leaves feather'd, legumes jointed rough, wings of the corol obscure, spikes shaggy, stems depress'd. *humble.*
- spinosissimum.* 38. H. leaves feather'd, legumes jointed prickly downy, stem diffuse. *most thorny.*
- virginicum.* 41. H. leaves feather'd, stem shrubby, legumes jointed smooth peduncled erect. *virginian.*
- pumilum.* 44. H. leaves feather'd, stem shrubbyish wings of the corols shorter than the banner, and the banner shorter than the keel, legumes one-seeded. *dwarf.*
- Onobrychis.* 42. H. leaves feather'd, legumes one-seeded prickly, wings of the corol equalling the calyx, stem elongate. *Saint Foin.*
- saxatile.* 43. H. leaves feather'd, legumes one-seeded furrow'd awulefs, wings of the corol most short, scapes almost rooted. *rock.*

554. TWO BROTHERHOODS. TEN MALES. *Hedyfarum*

- Caput galli.* 45. H. leaves feather'd, legumes one-seeded with the teeth of the crest awl'd, wings most short, stem diffuse. *Cock's head.*
- Crista galli.* H. leaves feather'd, legumes one-seeded: the prickly divisions of the crest lanced toothletted. *Cock's comb.*
- crinitum.* 47. H. leaves feather'd, racemes long, legumes inflected, stem shrubby. *hair'd.*
- cornutum.* 46. H. leaves feather'd linear, legumes one-seeded polish'd, stem shrubby: peduncles permanent - thorny. *horn'd.*
- fruticosum.* H. leaves feather'd: leaflets alternate oblong soft, stipules awl'd, branches axillary, joints of the legumes netted. *S. - shrubby.*
- argenteum.* H. leaves feather'd silky underneath lucid, legumes jointed, scape leafless. *S. silver.*

889. INDIGOFERA. *Cal.* expanding. Keel of the *Corol* with an awl'd spreading spur at each end! *Legume* linear. *Indigo.*

- sericea.* I. leaves simple lanced silky, spikes sessile, stem shrubby. *silky.*
- trifoliata.* 5. I. leaves three'd, flowers sessile lateral. *three-leaved.*
- psoraloides.* 4. I. leaves three'd lanced, racemes most long, legumes bowing. *Psoralea-like.*
- procumbens.* I. leaves three'd inverse-egg'd, stem herbaceous prostrate, spikes peduncled. *procumbent.*
- enneaphylla.* I. leaves feather'd wedged sevenfold, stems prostrate, spikes lateral. *nine-leaved.*
- pentaphylla.* I. leaves feather'd oval fivefold, stems prostrate, peduncles two-flower'd. *five-leaved.*
- glabra.* 3. I. leaves feather'd and three'd inverse-egg'd, racemes most short, legumes horizontal columnar. *smooth.*
- cytisoides.* 5: I. leaves five-feather'd and three'd, racemes axillary, stem shrubby. *cytisus-like.*
- hirsuta.* 2. I. leaves feather'd shaggy, stem erect, flowers spiked, legumes pendulous woolly. *shaggy.*
- angustifolia.* I. leaves feather'd linear, racemes elongate, stem shrubby. *narrow-leaved.*
- Anil.* I. leaves feather'd lanced, racemes short, stem shrubbyish.

- tinctoria*. 1. I. leaves feather'd inverse-egg'd, racemes short, stem shrubbyish. *dyers.*
- disperma*. 1. leaves feather'd oval, racemes elongate, legumes two-seeded. *two-seeded.*
- argentea*. 1. leaves feather'd downy inverse-egg'd, stem shrubby. *silver.*
- filiformis*. 1. erect, leaves five'd oblong villous, flowers spiked peduncled, peduncles and branches thread-form. *thread-form.*
- sarmentosa*. 1. prostrate thread-form, leaves three'd egg'd subsessile, peduncles axillary mostly two-flower'd. *S. sarmentous.*
- denudata*. 1. shrubby erect, leaves three'd egg'd smooth, racemes peduncled longer than the leaf. *S. naked.*
- stricta*. 1. shrubby erect, leaves feather'd smooth oblong, racemes axillary scarcely peduncled. *upright.*
- frutescens*. 1. shrubby erect, leaves feather'd egg'd smooth, racemes axillary peduncled. *shrubby.*
- digitata*. 1. shrubby, leaves finger'd, racemes peduncled. *S. finger'd.*
- ovata*. 1. herbaceous, leaves simple egg'd. *S. egg'd.*
- mexicana*. 1. leaves three'd, panicle branchy in spikes, stem shrubby. *S. mexican.*
- trita*. 1. leaflets three'd egg'd acute, racemes short, stem erect. *S. trite.*

890. GALEGA. *Cal.* teeth awl'd subequal. *Legume* with oblique strias, with the seeds interposed. *Goat's rue.*

- officinalis*. 1. G. legumes upright erect, leaflets lanced striated naked. *officinal.*
- cinerea*. 2. G. legumes upright expanding peduncled racemes leaf-
opposed, leaves dagger'd villous underneath. *ash-colour'd.*
- littoralis*. 9. G. legumes racemed, the whole villous-downy. *strand.*
- virginiana*. 3. G. legumes sickled backwards compress'd villous
spiked, calyxes woolly, leaflets oval oblong, pointed. *virginian.*
- villosa*. 4. G. legumes sickled backwards villous pendulous
racemed lateral, leaflets smooth lanced. *villous.*

556. TWO BROTHERHOODS. TEN MALES. *Galega*.

- maxima*. 5. *G.* legumes upright ascending smooth, stipules lanced, leaflets oblong smooth serrated. *most large.*
- purpurea*. 6. *G.* legumes upright ascending smooth racemed terminal, stipules awl'd, leaflets oblong smooth. *purple.*
- caribaea*. 10. *G.* legumes upright smooth pendulous racemed, leaflets smooth dagger'd, stem shrubby. *caribbean.*
- tinctoria*. 7. *G.* spikes lateral peduncled, legumes upright pendulous, leaflets end-nick'd villous underneath. *ayers.*
- senticosa*. 8. *G.* legumes twofold lateral smooth, leaflets end-nick'd silky underneath, stem shrubby. *briery.*
- spinosa*. *G.* stem diffuse, leaves wedge-form hoary, stipules spinescent, legumes solitary sickled backwards compress'd. *S. thorny.*
- cærulca*. *G.* stem rugged, leaves eight or ten-pair'd: leaflets elliptic, racemes terminal many-flower'd condensed. *S. blue.*

891. PHACA. *Legume* half-two-cell'd.

- baetica*. 1. *P.* stem-growing erect hairy, legumes column-boat-form. *brown.*
- alpina*. 2. *P.* stem-growing erect smooth, legumes oblong inflated rather hairy. *alpine.*
- aufivalis*. 4. *P.* stem branchy prostrate, leaflets lanced, wings of the flowers half-two-cleft. *southern.*
- trifoliata*. *P.* leaves three'd oval obtuse, legumes semiorbicular. *three-leaved.*
- vesicaria*. 5. *P.* stemless, calyxes fruit-bearing oval inflated smooth. *bladder.*
- sibirica*. 3. *P.* stemless, leaves feather'd: leaflets finger'd. *siberian.*
- salifula*. *P.* stem-growing erect hoary, leaves feather'd, legumes peduncled globular bowing. *S.*
- siberica*. *P.* stem-growing, leaflets fourfold lanced obtuse silky, calyx villous: teeth bristly. *S. siberian.*
- prostrata*. *P.* stemless, leaflets two'd linear silky, scape procumbent, calyx villous: teeth lanced short. *S. prostrate.*
- microphylla*. *P.* stemless, leaflets two'd egg'd obtuse villous, calyx murex'd hairless: teeth every where hispid. *S. small-leaved.*

muricata. P. stemless, leaflets threefold or fourfold linear-awl'd
murex'd underneath, calyx smooth: teeth
fringed. S. *murex'd.*

892. ASTRAGALUS. *Legume two-cell'd, gib-
bous. Milk-vetch.*

* *Stems leafy erect; not prostrate.*

alopecuroides. 1. A. stem-growing, spikes cylindric subseffile, calyces
and legumes woolly. *foxtail-like.*

christianus. 2. A. stem-growing erect, flowers glomerated subseffile
from all the leafy axils. *christian.*

capitatus. 3. A. stem-growing, heads globular: peduncles most
long, leaflets end-nick'd. *beaded.*

pilosus. 4. A. stem-growing erect hairy, flowers spiked, legumes
awl'd hairy. *hairy.*

austriacus. 24. A. stem-growing erect, stem five-corner'd smooth,
racemes erect, legumes acute at both ends naked,
leaflets sublinear. *austrian.*

galegiformis. 7. A. stem-growing upright smooth, flowers racemed
pendulous, legumes three-sided dagger'd at
both ends. *Galega-form.*

chinesis. 8. A. stem-growing upright smooth, flowers racemed
pendulous, legumes egg'd inflated dagger'd at
both ends. *china.*

Onobrychis. 23. A. stem-growing erect pubescent, flowers spiked,
banners twice as long as the flower, stipules
solitary.

uliginosus. 9. A. stem-growing erectish, flowers spiked, legumes
erectish naked tumid column-depress'd: dagger
reflected. *marsh.*

*carolinia-
nus.* 10. A. stem-growing erect polish'd, peduncles spiked,
legumes egg-cylindric pointed by the style.
carolina.

** *Stems leafy, diffusc.*

canadensis. 11. A. stem-growing diffuse, legumes subcylindric dag-
ger'd, leaflets nakedish. *canadian.*

Cicer. 12. A. stem-growing prostrate, legumes subglobular in-
flated dagger'd hairy.

558. TWO BROTHERHOODS. TEN MALES. Astragalus.

- microphyllus*. 13. A. stem-growing straight-spreading: leaflets oval, calyxes tumidish, legumes roundish. *small-leaved*.
- glycyphyllos*. 14. A. stem-growing prostrate, legumes somewhat three-sided bow'd, leaflets oval longer than the peduncle. *sweet-leaved*.
- hamosus*. 15. A. stem-growing procumbent, legumes awl'd recurved smooth, leaflets inverse-hearted villous underneath. *hook'd*.
- contortuplicatus*. 16. A. stem-growing procumbent, legumes writhed, channel'd villous. *writhed*.
- laetivus*. 17. A. stem-growing procumbent, spikes peduncled, legumes prismatic straight three-sided hook'd at top. *brown*.
- Stella*. A. stem-growing diffuse, heads peduncled lateral, legumes straight awl'd dagger'd. *Star*.
- sesameus*. 18. A. stem-growing diffuse, heads subsessile lateral, legumes erect awl'd reflected at the point. *sesama*.
- pentaglottis*. A. stem-growing procumbent, legumes headed plaited back compress'd converging crested with a reflected point. *five-tongued*.
- epiglottis*. 19. A. stem-growing procumbent, legumes headed sessile bowing hearted dagger'd plaited back naked:
- hypoglottis*. A. stem-growing prostrate, legumes headed egg'd plaited back compress'd hairy with a reflected point.
- syriacus*. 20. A. stem-growing procumbent, heads peduncled, flowers reflected, legumes downy egg-oblong: *syrian*.
- arenarius*. 21. A. rather stem-growing procumbent, flowers subracemed erect, leaves downy. *sand*.
- glaux*. 22. A. stem-growing diffuse, heads peduncled imbricated egg'd, flowers erect, legumes egg'd callous inflated.
- sinicus*. 40. A. stem-growing prostrate, umbels peduncled, legumes prismatic three-sided erect awl'd at top. *china*.
- alpinus*. 25. A. stem-growing procumbent, flowers pendulous racemed, legumes acute at both ends hairy. *alpine*.
- trimestris*. 36. A. rather stem-growing, scapes mostly two-flower'd, legumes hook'd awl'd two-keel'd. *three-month*.
- Laxmanni*. A. stem-growing procumbent, spikes elongate, legumes oblong three-corner'd plough'd with a furrow dagger'd villous. *S. of Laxmann*.

Anmodytes. A. stem-growing shrubbyish, flowers double, legumes egg'd twin woolly. S.

* * * *Scape naked; without a leafy stem.*

verticillaris. A. stemless, leaflets aggregate-semiverticil'd. *verticil'd.*

montanus. 26. A. nearly stemless, scapes longer than the leaf, flowers loosely spiked erect, legumes egg'd with an inflected point. *mountain.*

vesicarius. 27. A. stemless, scape longer than the leaf, flowers loosely spiked, calyxes and legumes inflated shaggy. *bladder.*

physodes. 28. A. stemless, scapes equalling the leaves, legumes inflated subglobular naked. *flatulent.*

caprinus. 29. A. stemless, scape erect, leaflets fringed, legumes egg'd tumid villous. *goat.*

uralensis. 30. A. stemless, scape erect longer than the leaves, legumes awl'd inflated villous erect.

monspessulanus. 33. A. stemless, scapes declining the length of the leaves, legumes awl'd columnar rather bow'd smooth. *montpeier.*

incanus. 34. A. stemless, scapes declining, leaflets downy, legumes awl'd rather bow'd hoary incurved at top. *hoary.*

campestris. 32. A. stemless, calyxes and legumes villous, leaflets lanced acute, scape decumbent. *field.*

depressus. 37. A. stemless, scapes shorter than the leaf, legumes bowing, leaflets rather end-nick'd naked. *depress'd.*

uncatus. 35. A. stemless scapeless, legumes awl'd hook'd longer than the leaf, leaflets inverse-hearted. *hook'd.*

exscapus. A. stemless scapeless, legumes woolly, leaves villous. *scapeless.*

* * * * *Stem woolly.*

tragoides. 38. A. nearly stemless, flowers radical numerous subsessile. *tragus-like.*

Tragacantha. 39. A. stock arboresecent, petioles spinescent. *goat's horn.*

Astragaluses with curved legumes. *trimestris, monspeliacus, incanus, hamosus, contortuplicatus.*

893. BISERRULA. *Legume* two-cell'd, flat: partition contrary.

Pelecinus. I. BISERRULA.

894. PSORALEA. *Calyx* sprinkled with callous points, the length of the one-seeded *Legume*.

- pinnata.* I. P. leaves feather'd linear, flowers axillary. *feather'd.*
aculeata. 2. P. leaves three'd: leaflets wedge-form recurve-dagger'd, heads terminal. *prickly.*
bracteata. P. leaves three'd inverse-egg'd recurve-dagger'd, spikes egg'd. *bracted.*
spicata. P. leaves three'd oblong obtuse, spikes cylindric. *spiked.*
aphylla. P. leaves none, stipules dagger'd most short subimbricated towards the flowers. *leafless.*
tenuifolia. 4. P. the inferior leaves three'd: the superior simple lance-awl'd. *slender-leaved.*
hirta. 3. P. leaves three'd, leaflets inverse-egg'd recurve-dagger'd, flowers threefold sessile. *shaggy.*
repens. P. leaves three'd inverse-egg'd end-nick'd, stem creeping, flowers subumbel'd. *creeping.*
bituminosa. 6. P. leaves all three'd, leaflets lanced, petioles polish'd, flowers headed. *bituminous.*
glandulosa. 7. P. leaves all three'd: leaflets lanced petioles rugged, flowers spiked. *glandular.*
palestina. P. leaves all three'd: leaflets egg'd, petioles pubescent, flowers headed. *palestine.*
americana. 8. P. leaves three'd: leaflets egg'd tooth-angled, spikes lateral. *american.*
tetragonoloba. 15. P. leaves three'd tooth'd, stem winding, spikes lateral, legumes upright quadrangular. *four-corner-lobed.*
axillaris. P. leaves three'd: leaflets lanced; peduncles axillary one-flower'd. *S axillary.*
Stachydis. P. leaves three'd petioled: leaflets oblong dagger'd; spikes terminal interrupted, calyxes villous. *S. Stachys.*
capitata. P. leaves three'd and simple linear, head terminal. *S. headed.*
P.

- Palæstina*: P. stem herbaceous, leaflets three'd egg'd, petioles pubescent, flowers headed. S. *Palæstine.*
- corylifolia*. 9. P. leaves simple egg'd rather tooth'd: spikes egg'd. *hazel-leaved.*
- rotundifolia*. P. leaves simple egg'd most intire, heads and bractes villous. S. *round-leaved.*
- pentaphylla*. 11. P. leaves finger-fived: leaflets unequal. *five-leaved.*
- prostrata*. 12. P. leaves superdecompound finger'd linear. *prostrate.*
- Dalea*. 14. P. leaves feather'd, spikes cylindric terminal.
- enneaphylla*. 13. P. leaves feather'd, spikes axillary. *nine-leaved.*
- lævigata*. P. leaves feather'd, stipules solid subacute most minute. S. *polish'd.*

896. TRIFOLIUM. *Flowers* rather headed. *Legumes* scarcely longer than the calyx, not gaping, deciduous. *Trefoil.*

* Melilots with legumes naked many-seeded.

- M. cærulea*. 1. T. racemes egg'd, legumes half-naked dagger'd, stem erect, spikes oblong. *blue.*
- M. indica*. 2. T. legumes racemed naked one-seeded, stem erect. *indian.*
- M. polonica*. 3. T. legumes racemed naked two-seeded lanceed, stem erect. *poland.*
- M. officinalis*. 4. T. legumes racemed naked two-seeded wrinkled acute, stem erect. *officinal.*
- M. italica*. 5. T. legumes racemed naked two-seeded wrinkled obtuse, stem erect, leaflets intire. *italian.*
- M. cretica*. 6. T. legumes racemed naked two-seeded membranous, stem erectish. *cretan.*
- M. ornithopadioides*. 7. T. legumes naked eight-seeded mostly threefold, twice as long as the calyx, stems declining. *bird's foot-like.*

** Lotus-like Trefoils. (*Lotoidca*) with legumes cover'd, many-seeded.

- Lupinaster*. 8. T. heads halved, leaves fived sessile, legumes many-seeded.
- reflexum*. 9. T. heads fruit-bearing reflected, legumes three-seeded. *reflected.*
- strictum*. 10. T. heads globular, legumes two-seeded, calyxes the length of the corol, leaflets sawletted, stipules upright. *upright.*
11. T.

562. TWO BROTHERHOODS. TEN MALES. *Trifolium*.

- hybridum*. 11. T. heads umbel'd, legumes four-seeded, stem ascend-
ing. *mule.*
- repens*. 12. T. heads umbel'd, legumes four-seeded, stem creep-
ing. *creeping*
- comosum*. 13. T. heads umbel-globular imbricated, banners de-
flected permanent, legumes four-seeded. *tufted.*
- alpinum*. 14. T. heads umbel'd, scape naked, legumes two-seeded
pendulous, leaves linear-lanced. *alpine.*
- * * * Hare's foot Trefoils, (*Legopoda*) with calyxes villous.
- subterrane-um*. 15. T. heads villous five-flower'd, tuft central reflected
rigid surrounding the fruit. *subterranean.*
- globosum*. 16. T. heads villous globular, superiour calyxes destitute
of a floret. *globular.*
- cherleri*. 17. T. heads villous globular terminal solitary, all the
calyxes fertile, stems procumbent, leaves in-
verse-hearted.
- lappaccum*. 22. T. spikes rather egg'd, calyx-teeth bristly hispid, stem
spreading, leaves egg'd. *burry.*
- rubens*. 18. T. spikes villous long, corols one-petal'd, stem erect,
leaves saw'd. *blushing.*
- pretense*. 19. T. spikes globular subvillous gilt with stipules opposite
membranous, corols one-petal'd. *meadow.*
- alpestre*. 21. T. spikes subglobular villous terminal, stem erect,
leaves lanced sawletted. *alpine.*
- pannonianum*. T. spikes villous long, corols one-petal'd, leaves most
intire and stem erect most villous. *hungarian.*
- squarrosum*. 20. T. spikes oblong rather hairy, the lowest tooth of the
calyxes most long reflected, stem herbaceous
erect. *ragged.*
- incarnatum*. 23. T. spikes villous oblong obtuse leafless, leaflets round-
ish notch'd. *incarnate.*
- ochroicucum*. T. spikes villous, stem erect pubescent, lowest leaflets
inverse-hearted. *pale-white.*
- angustifoli-um*. 24. T. spikes villous cone-oblong, calyx-teeth bristly
subequal, leaflets linear. *narrow-leaved.*

RACEMED Trefoils 1, 2, 3, 4, 5, 6, 7, 38, 39, 40, 41, 42.
UMBEL'D, 8, 9, 11, 12, 13, 14.
FASCICLED, 15, 16, 43.
HEADED, 22, 17, 27, 28, 29, 30, 33, 34, 35, 36, 37, 31.
SPIKED, 18, 10, 20, 21, 23, 24, 25, 26, 10.

25. T.

- arvense.* 25. T. spikes villous oval, calyx-teeth bristly villous equal.
field.
- stellatum.* 26. T. spikes hairy egg'd, calyxes expanding, stem diffuse, leaflets inverse-hearted.
star.
- clypæatum.* 27. T. spikes egg'd: calyxes spreading: the lowest division most large lanced, leaflets egg'd,
shield.
- scabrum.* 28. T. heads sessile lateral egg'd, divisions of the calyx unequal rigid recurved.
rugged.
- glomeratum.* 29. T. heads sessile hemispheric rigid, calyxes striated spreading equal.
glomerated.
- striatum.* 30. T. heads sessile sublateral egg'd, calyxes striated rounded.
striated.
- alexandrinum.* 31. T. heads oblong peduncled, stem erect, leaves opposite.
alexandrine.
- uniflorum.* 33. T. stemless, peduncles three-cleft and mostly three-flower'd shorter than the stipule.
one-flower'd.

*** Bladder-Trefoils, (*Vesicaria.*) with calyxes inflated bellied.

- spumosum.* 34. T. spikes egg'd, calyxes inflated smooth five-tooth'd, universal involucre five-leaved.
frothy.
- resupinatum.* 35. T. spikes rather egg'd, corols supine, calyxes inflated gibbous on the back, stem prostrate.
resupine.
- tomentosum.* 36. T. spikes sessile globular downy, calyxes inflated obtuse.
downy.
- fragiferum.* 37. T. spikes roundish, calyxes inflated two-tooth'd reflected, stems creeping.
strawberry.

*** Hop-Trefoils, (*Lupulina.*) with the banners of the corols inflected.

- montanum.* 38. T. spikes subimbricated mostly three: banners awl'd withering, calyxes naked, stem erect.
mountain.
- agrarium.* 39. T. spikes oval imbricated: banners deflected permanent, calyxes naked, stem erect.
field.
- spadiceum.* 37. T. spikes oval imbricated: banners deflected permanent, calyxes hairy, stem erect.
spadix'd.
- procumbens.* 38. T. spikes oval imbricated: banners deflected permanent, stems procumbent.
procumbent.
- filiforme.* 39. T. spikes subimbricated: banners deflected permanent, calyxes pedicel'd, stems procumbent.
thread-form.

564. TWO BROTHERHOODS. TEN MALES. *Trifolium*.

- biflorum*. 40. T. spikes two-flower'd sessile, involucre hispid funnel-form, leaves lanced. *two-flower'd.*
suffocatum. T. stemless scapeless, flowers subsessile radical. *suffocated.*
Messanense. T. legumes racemed naked one-seeded bow-striated half-egg'd acute, stem erect. S. *Messina.*

879. LOTUS. *Legume* cylindric, upright. *Wings* converging upwards longitudinally. *Cal.* tubular.

* *Legumes fewer, not constituting an head.*

- maritimus*. 1. L. legumes solitary membrane quadrangular, leaves smooth, bractes lanced. *sea.*
filiquosus. 2. L. legumes solitary membrane - quadrangular, stems procumbent, leaves downy underneath. *siliqued.*
tetragonolobus. 3. L. legumes solitary membrane-quadrangular, bractes egg'd. *four-corner-lobed.*
conjugatus. 4. L. legumes pair'd membrane-quadrangular, bractes oblong-egg'd. *pair'd.*
tetraphyllus. L. legumes solitary, leaves three'd inverse - heart-wedged, stipule solitary similar, bractes one-leaved. *four-leaved.*
edulis. 6. L. legumes subsolitary gibbous incurved. *eatable.*
peregrinus. 7. L. legumes mostly two'd linear compress'd nodding. *foreign.*
angustissimus. 8. L. legumes mostly two'd linear upright erect, stem erect, peduncles alternate. *narrowest.*
arabicus. 19. L. legumes cylindric awn'd, stems prostrate. peduncles three-flower'd, bractes one-leaved. *arabian.*
ornithopodioides. 9. L. legumes mostly three'd bow'd compress'd, stems diffuse. *bird's foot-like.*
iacobæus. 10. L. legumes mostly three'd, stem herbaceous erect, leaflets linear. *jacobean.*
creticus. 12. L. legumes mostly three'd, stem shrubbyish, leaves silky shining. *cretan.*
tetraphyllus. L. legumes solitary, leaflets inverse-hearted wedged, stipules solitary. S. *four-leaved.*

** *Peduncles*

* * *Peduncles many-flower'd in a head.*

- hirsutus.* 13. L. heads roundish, stem erect shaggy, legumes egg'd, shaggy.
græcus. 18. L. heads roundish, stem erect, leaves fived, legumes egg'd. greek.
rectus. 14. L. heads subglobular, stem erect polish'd, legumes straight smooth. straight.
corniculatus. 15. L. heads depress'd, stems decumbent, legumes cylindric expanding. horn'd.
cytisoides. 16. L. heads halved, stem diffuse most branchy, leaves downy. cytisus-like.
Dorycnium. 17. L. heads leafless, leaves sessile fived.

898. TRIGONELLA. *Banner and Wings* subequal, expanding, in the form of a 3-petal'd corol. *Fenugreek.*

- ruthenica.* 1. T. legumes peduncled collected pendulous linear straight, leaflets sublanced. russian.
platycarpus. 2. T. legumes peduncled collected pendulous oval compress'd, stem diffuse, leaflets roundish. broad-fruited.
polycerata. 3. T. legumes sessile collected erect nearly straight long linear, peduncles awnless. many-horn'd.
hamosa. 6. T. legumes peduncled racemed declining hook'd columnar, peduncles thorny longer than the leaflet. hook'd.
spinosa. 5. T. legumes subpeduncled collected declining sickled compress'd, peduncles thorny most short. thorny.
corniculata. 4. T. legumes peduncled collected declining rather sickled, peduncle long rather thorny, stem erect. horn'd.
monspeliaca. 7. T. legumes collected sessile bow'd divaricated inclining short, peduncle dagger'd unarm'd. montpelier.
laciniata. 8. T. legumes peduncled subumbel'd elliptic, leaflets wedge-form tooth'd, stipules jagg'd. jagg'd.
Foenum Græcum. 9. T. legumes sessile upright erectish rather sickled pointed, stem erect. Greek Hay.
sylvestris. a. T. the same with stem branch-stole-bearing at the base. wood.

566. TWO BROTHERHOODS. TEN MALES. *Trigonella*.

- indica*. 10. *T. legumes* sessile subsolitary rather sickled, leaflets most intire, stem diffuse. *indian*.
friata. *T. legumes* peduncled collected erectish distant, peduncles longer than the leaf, *S. striated*.

899. *MEDICAGO*. *Legume* compress'd, snail-horn'd. *Keel* of the corol bending down from the banner. *Medick*.

- arborea*. 1. *M. legumes* moon'd most intire on the margin, stem arborefcnt. *arborefcnt*.
virginica. 2. *M. stem* erect most branchy, flowers fascicled terminal. *virginian*.
radiata. 3. *M. legumes* kidney-form tooth'd on the edge, leaves three'd. *radiated*.
circinata. 4. *M. legumes* kidney-form tooth'd on the edge, leaves feather'd *spiral*.
fativa. 5. *M. peduncles* racemed, legumes contorted, stem erect smooth. *Lucern. cultivated*.
falcata. 6. *M. peduncles* racemed, legumes moon'd, stem prostrate. *sickled*.
lupulina. 7. *M. spikes* oval, legumes kidney-form one-seeded, stems procumbent. *hop*.
marina. 8. *M. peduncles* racemed, legumes snail-horn'd thorny, stem procumbent downy. *sea*.
polymorpha. 9. *M. legumes* snail-horn'd, stipules tooth'd, stem diffuse. *many-form*.
orbicularis. a. *M. legumes* solitary snail-horn'd depress'd flat, stipules fringed, stem diffuse. *orbicular*.
scutellata. b. *M. snail-horn'd* greater two-fruited, capsule round globular buckler'd. *buckler'd*.
tornata. c. *M. turn'd* greater and less soft. *turn'd*.
turbinata. d. *M. fruit* top-shape. *top-shape*.
intertexta. e. *M. snail-horn'd* thorny greater two-fruited, capsule or thorns longer extending upwards and downwards. *interwoven*.
arabica. f. *M. snail-horn'd* less many-fruited annual, capsule larger white, leaf hearted with a brown spot. *arabian*.
coronata. g. *M. fruit* most small, resembling a coronet tooth'd on both sides. *crown'd*.
ciliaris. h. *M. legumes* collected globular hispid, stipules fringed, fringed.
i. *M.*

DIADELPHIA. DECANDRIA. Medicago. 567.

- hirsuta.* i. M. legumes solitary globular most short hedge-hog'd, stipules saw'd. *shaggy.*
- rigidula.* k. M. three-leaved, legumes snail-horn'd thorny, the inferior leaflets wedge-form retuse, the superior roundish. *rigidish.*
- minima.* l. M. legumes snail-horn'd furnish'd externally with prickles hook'd alternate, stipules intire. *leaf.*
- muricata.* m. M. snail-horn'd two-fruited, capsule thorny round less. *murex'd.*
- nigra.* M. peduncles few-flower'd, legumes snail-horn'd with hooklets the length of the legumes. *black.*
- laciniata.* n. M. fruit hedge-hog'd, leaves linear tooth'd. *jagg'd.*
- prostrata.* M. diffuse, leaves three'd wedge-form tooth'd at top, stipules bristly most intire, legumes snail-horn'd unarm'd. S. *prostrate.*

1417. MULLERA. *Pericarp* elongate, fleshy, necklace-form: *globules* one-seeded. S.

moniliformis. MULLERA: *necklace-form.*



C L A S S XVIII.

MANY BROTHERHOODS.

(Polyadelphia.)

FIVE MALES.

(Pentandria.)

900 THEOBROMA. Cal. 3-leaved. Cor. 5-petal'd, nectaries 5.

Stamens 5: anthers 3. Pistils 3.

1418 AMBROMA.

Five-female. Capsule 5-cell'd, one-valved, gaping at top. Seeds kidney-form. S.

TWELVE MALES.

(Dodecandria.)

1268 MONSONIA.

Cal. 5-leaved. Cor. 5-petal'd. Stamens 5: anthers 3. Pistil 5-cleft.

TWENTY

T W E N T Y M A L E S .

(*Icosandria.*)

- 901 CITRUS. *Cal.* 5-tooth'd. *Cor.* 5-petal'd. *Stamens* 20
conjoin'd every where into a cylinder. *Pistil* 1. *Berry* cell'd with
bladdery pulp.

M A N Y M A L E S .

(*Polyandria.*)

- 1269 MELALEUCA. *Cal.* 5-parted, above. *Cor.* 5-petal'd. *Capsf.*
half-cloath'd with the berried calyx.
- 1270 HOPEA. *Cal.* 5-cleft, above. *Cor.* 5-petal'd. *Drupe*
with nucleus 3-cell'd.
- DURIO. *Cal.* 5-cleft, pitcher'd, beneath. *Cor.* 5-
petal'd, small. *Style* 1. The squadrons
of *Stamens* from seven to 5. *Pome*
5-cell'd.
- 1320 GLABRARIA. *Cal.* 5-cleft, beneath. *Cor.* 5-petal'd. *Style*
1. The squadrons of *Stamens* from
six to five. *Drupe*.
- 1321 MUNCHHAUSIA. *Cal.* beneath, six-cleft. *Cor.* 6-petal'd. *Capsf.*
6-cell'd.
- 677 SYMPLOCOS. *Cal.* 5-cleft, beneath. *Cor.* 5-petal'd. *Sta-*
mens growing to the corol in a four-
fold series.
- 902 HYPERICUM. *Cal.* 5-parted, beneath. *Cor.* 5-petal'd.
Styles 1, 3, or 5. *Capsf.* cell'd.
- 903 ASCYRUM. *Cal.* 4-leaved, beneath. *Cor.* 4-petal'd.
Styles 2. *Capsf.* 2-valved.

F I V E

F I V E M A L E S.

(*Pentandria.*)

900. THEOBROMA. *Cal.* 3-leaved. *Petals* 5, vaulted, two-horn'd. *Nectary* 5-leaved, regular. *Stamens* growing on the nectary, each with 5 anthers.

<i>cacao.</i>	1. T. leaves most intire.	
<i>Guazuma.</i>	2. T. leaves saw'd.	<i>Chocolate.</i>
<i>angusta.</i>	T. leaves hearted seven-angled.	<i>narrow.</i>

1418. AMBROMA. *Five-female.* *Capsule* 5-cell'd, one-valved, gaping at top. *Seeds* kidney-form: *Receptacle* shaggy. *S.*

<i>angusta.</i>	AMBROMA.	<i>narrow.</i>
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T W E L V E M A L E S.

(*Dodecandria.*)

1268. MONSONIA. *Cal.* 5-leaved. *Cor.* 5-petal'd. *Stamens* 15 conjoin'd on 5 filaments. *Style* 5-cleft. *Caps.* 5-grain'd.

<i>filia.</i>	M. leaves simple hearted lobed. <i>S.</i>	<i>filial.</i>
<i>speciosa.</i>	M. leaves fived: leaves twice-feather'd. <i>S.</i>	<i>specious.</i>

T W E N T Y M A L E S.

(*Icosandria.*)

901. CITRUS. *Cal.* 5-cleft. *Petals* 5, oblong.
Anthers 20 with filaments conjoin'd in
various bodies. *Berries* 9 - cell'd.
Citron.

Medica. 1. C. petioles linear.
Aurantium. 2. C. petioles wing'd, leaves pointed. *Orange.*
decumanus. 3. C. petioles wing'd, leaves obtuse end-nick'd. *large.*

M A N Y M A L E S.

(*Polyandria.*)

1320. GLABRARIA. *Cal.* 5 - cleft. *Petals* 5.
Nectary of the Receptacle with bristles
the length of the calyx. *Stamens* 30:
six always connected.

terfa. GLABRARIA. *terfe.*

1321. MUNCHHAUSIA. *Cal.* 6-cleft, wreathed.
Petals 6, claw'd. *Stamens* series 4 or
5. *Pistil* above: style thread - form
curved.

speciosa. 1. MUNCHHAUSIA. *specious.*

DURIO.

DURIO. *Cal.* Perianth one-leaved. *Cor.* Petals 5, growing to the calyx. *Stamens* conjoin'd in 5 bodies. *Germ* roundish. *Style* bristly, the length of the stamens. *Pome* roundish every where murex'd. *Seeds* egg'd with mucous aril.

Zibethinus. DURIO. civet.

1269. MELALEUCA. *Cal.* 5-parted, above. *Cor.* 5-petal'd. *Filaments* many, conjoin'd in five bodies. *Style* 1. *Capf.* imbricath'd with the berried calyx, 3-valved, 3-cell'd.

Leucadendron. M. many-brothers, leaves alternate lanced rather sickled five-nerved, spike elongate. *S.* white-wood.

lucida. M. smooth, leaves opposite egg'd vein'd, panicles terminal: pedicels opposite two-flower'd. *S.* lucid.

villosa. M. downy, leaves opposite egg'd vein'd, panicles terminal: pedicels two or three-flower'd. *S.* villous.

Scoparia. M. leaves alternate egg'd acute three-nerved dotted, flowers terminal solitary. *S.*

virgata. M. leaves opposite linear-lanced nerveless, umbels terminal. *S.* twiggy.

1270. HOPEA. *Cal.* 5-cleft, above. *Cor.* 5-petal'd. *Stamens* many, conjoin'd in 5 bodies. *Style* 1. *Drupe* with nut 3-cell'd.

tinctoria. I. HOPEA. dyers.

677. SYMPLOCOS. *Cal.* 5-cleft, beneath. *Cor.*
5-petal'd. *Stamens* growing to the
tube of the corol in a fourfold series.

martinicensis. SYMPLOCOS.

martinico.

902. HYPERICUM. *Cal.* 5-parted. *Petals* 5.
Filaments many, conjoin'd at the base
in 5 squadrons, *Capsule.*

* *Five-female.*

- balearicum.* 1. H. flowers five-female, stem shrubby, leaves and
branches scar'd. *Majorca.*
- kalmianum.* 2. H. flowers five-female, stem shrubby, leaves linear-
lanced.
- cayanense.* H. flowers five-female, corols shaggy, leaves egg'd,
stem arborefcnt. *Cayan.*
- bacciferum.* H. flowers five-female, leaves most intire, rather
downy underneath, stem arborefcnt, fruit
berried. *berry-bearing.*
- calycinum.* 3. H. flowers five-female solitary terminal, stem four-
corner'd shrubby, leaves oblong-egg'd leathery.
calyx'd.
- Ascyron.* 4. H. flowers five-female, stem four-corner'd herbaceous
erect simple, leaves polish'd most intire.
- Cayanense.* H. flowers five-female, corols bearded, calyxes striat-
ed, leaves egg'd, stem shrubby. *S. Cayan.*
- bacciferum.* H. flowers five-female, corols bearded, calyxes pol-
ish'd, leaves egg'd, stem shrubby. *S. berry-
bearing.*
- Guineense.* H. flowers five-female subumbel'd, stem shrubby,
branches columnar, leaves egg'd acute. *S. Guinea.*
- petiolatum.* H. flowers five-female, stem arborefcnt, leaves egg'd.
S. petioled.

** *Three-female.*

- Androsæ-
mum.* 5. H. flowers three-female, fruit berried, stem shrubby
two-edged.

574. MANY BROTHERHOODS. MANY MALES. Hyper.

- olympicum*. 6. H. flowers three-female, calyxes acute, stamens shorter than the corol, stem shrubby. *olympian.*
- petiolatum*. 7. H. flowers three-female, leaves egg'd petioled most intire downy underneath, stem shrubby four-corner'd compress'd. *petioled.*
- canariense*. 8. H. flowers three-female, calyxes obtuse, stamens shorter than the corol, stem shrubby. *canary.*
- hircinum*. 9. H. flowers three-female, stamens longer than the corol, stem shrubby two-edged. *goat.*
- ægyptium*. 10. H. flowers three-female, nectaries of the petals lanced, stems shrubbyish compress'd. *ægyptian.*
- orientale*. 11. H. flowers three-female, stipules reflected, leaves oblong toothlet-notch'd. *oriental.*
- scabrum*. 13. H. flowers three female, stem columnar shrubbyish murex'd, leaves oblong. *rugged.*
- repens*. 12. H. flowers three-female, stem columnar creeping, leaves lance-linear obtuse. *creeping.*
- prolificum*. 31. H. flowers three-female: primordial ones sessile, stem two-edged shrubby, leaves lance-linear. *prolific.*
- ericoides*. 14. H. flowers three-female, leaves linear imbricated. *Heath-like.*
- canadense*. 16. H. flowers three-female, leaves linear-lanced, stem quadrangular, pericarps colour'd. *canadian.*
- virginicum*. 15. H. flowers three-female nine-male, stem columnar, leaves egg'd stem-clasping. *virginian.*
- quadrangulare*. 17. H. flowers three-female, stem square herbaceous. *quadrangular.*
- perforatum*. 18. H. flowers three-female, stem two-edged, leaves obtuse, pellucid-dotted. *perforated.*
- humifusum*. 19. H. flowers three-female axillary solitary, stems two-edged prostrate thread-form, leaves smooth. *ground-spread.*
- crispum*. 32. H. flowers three-female, stem columnar, leaves sessile lanced wave-tooth'd at the base. *curl'd.*
- montanum*. 20. H. flowers three-female, calyxes saw-glanded, stem columnar erect, leaves egg'd smooth. *mountain.*
- hirsutum*. 21. H. flowers three-female, calyxes saw-glandular, stem columnar erect, leaves egg'd subpubescent. *shaggy.*
- tomentosum*. 22. H. flowers three-female, calyxes saw-glandular, leaves half-stem-clasping twining downy, stems prostrate. *downy.*

POLYADELPHIA. POLYANDRIA. *Hypericum*. 575.

- perfoliatum*. 32. H. flowers three-female, stem nearly two-edged, leaves stem-clasping egg'd, cyme with sessile flowers. *leaf-pierced.*
- elodes*. 23. H. flowers three-female, stem columnar creeping and leaves villous roundish.
- pulchrum*. 24. H. flowers three-female, calyxes saw-glandular, leaves stem-clasping hearted smooth, stem columnar. *beautiful.*
- nummulari-um*. 25. H. flowers three-female, calyxes saw-glandular, leaves heart-orbicular smooth. *money.*
- Coris*. 26. H. flowers three-female, calyxes saw-glandular, leaves subverticil'd.
- mexicanum*. H. flowers three-female, branches simple, leaves imbricated egg'd. *S. mexican.*
- reflexum*. H. flowers three-female, leaves sessile lanced approximated reflected, branches downy, panicle terminal. *S. reflected.*

* * * *Two-female.*

- mutilum*. 27. H. flowers two-female, leaves egg'd sessile. *mutilated.*
- jetosum*. 28. H. flowers two-female, leaves linear. *bristly.*

* * * * *One-female.*

- monogynum*. 29. H. flowers one-female, stamens longer than the corol, calyxes colour'd, stem shrubby. *one-female.*

903. ASCYRUM. *Cal.* 4-leaved. *Petals* 4. *Filaments* many, distributed into four squadrons.

- Crux Andreae*. 1. A. leaves egg'd, stem columnar, panicle two-fork'd. *Andrew's Cross.*
- Hypericoides*. 2. A. leaves oblong, branches two-edged. *Hypericum-like.*
- villosum*. 3. A. leaves shaggy, stem upright. *villous.*



C L A S S X I X .

CONFEDERATE MALES.

(*Syngenesia.*)

E Q U A L P O L Y G A M Y .

(*Polygamia æqualis.*)

* *Semiflosculous flowers of Tournefort with all the corols ligulate.*

- 922 SCOLYMUS. *Receptacle* chaffy. *Pappus* none. *Calyx* imbricated, thorny.
- 921 CICHOREUM. *Recept.* rather chaffy. *Pappus* mostly 5-tooth'd. *Cal.* calyced.
- 920 CATANANCHE. *Recept.* chaffy. *Pappus* 5-awn'd, sessile. *Cal.* imbricated, parch'd.
- 917 SERIOLA. *Recept.* chaffy. *Pappus* somewhat hairy. *Cal.* simple.
- 918 HYPOCHAERIS. *Recept.* chaffy. *Pappus* subplumy. *Cal.* imbricated.
- 904 GEROPOGON. *Recept.* chaffy. The *Pappus* of the disk plumy, of the rays 5-awn'd. *Cal.* simple.
- 915 ANDRYOLA. *Recept.* villous. *Pappus* hairy sessile. *Cal.* subequal, rounded.

- 905 TRAGOPOGON. *Recept.* naked. *Pappus* plumy stiped. *Cal.* simple.
- 907 PICRIS. *Recept.* naked. *Pappus* plumy, stiped. *Cal.* calyceled.
- 912 LEONTODON. *Recept.* naked. *Pappus* plumy, stiped. *Cal.* imbricated with loose scales.
- 906 SCORZONERA. *Recept.* naked. *Pappus* plumy, stiped. *Cal.* imbricated with a parch'd margin.
- 914 CREPIS. *Recept.* naked. *Pappus* hairy. *Cal.* calyceled with different scales.
- 910 CHONDRILLA. *Recept.* naked. *Pappus* plumy, stiped. *Cal.* calyceled many-flower'd.
- 911 PRENANTHES. *Recept.* naked. *Pappus* hairy. *Cal.* calyceled mostly 5-flower'd.
- 909 LACTUCA. *Recept.* naked. *Pappus* hairy, stiped. *Cal.* imbricated with a parch'd margin.
- 913 HIERACIUM. *Recept.* naked. *Pappus* hairy, sessile. *Cal.* imbricated, egg'd.
- 908 SONCHUS. *Recept.* naked. *Pappus* hairy, sessile. *Cal.* imbricated, gibbous.
- 919 LAPSANA. *Recept.* naked. *Pappus* none. *Cal.* calyceled.
- 916 HYOSERIS. *Recept.* naked. *Pappus* crown'd with a calycle. *Cal.* subequal.

** *Headed flowers.*

- 930 ATRACTYLIS. *Corol* radiate!
- 929 CARLINA. *Cal.* radiate: rays colour'd!
- 926 CNICUS. *Cal.* intrench'd with bractes.
- 923 ARCTIUM. *Cal.* with scales incurve-hook'd at top.
- 931 CARTHAMUS. *Cal.* ragged with leafy scales.
- 928 CYNARA. *Cal.* ragged with scales channel'd, thorny.
- 925 CARDUUS. *Cal.* bellied with thorny scales. *Recept.* hairy.
- 927 ONOPORDON. *Cal.* bellied with thorny scales. *Recept.* honey-comb'd.
- 924 SERRATULA. *Cal.* imbricated with scales acutish awn'd, subcylindric.
- 1419 BARNADESIA. *Cal.* naked, imbricated, pungent. *S.*

*** *Disklike flowers.*

- 934 ETHULIA. *Recept.* naked. *Pappus* none. *Cal.* equal.
- 1287 SPILANTHUS. *Recept.* naked. *Pappus* two-tooth'd. *Cal.* subequal.

578. CONFEDERATE MALES.

- 936 AGERATUM. *Recept.* naked. *Pappus* 5-awn'd. *Cal.* sub-equal. *Corollets* 4-cleft.
- 933 CACALIA. *Recept.* naked. *Pappus* hairy. *Cal.* caly-cled.
- 939 CHRYSOCOMA. *Recept.* naked. *Pappus* hairy. *Calyx* imbricated. *Pistils* most short.
- 935 EUPATORIUM. *Recept.* naked. *Pappus* plummy. *Cal.* imbricated. *Pistils* most long.
- 942 SANTOLINA. *Recept.* chaffy. *Pappus* none. *Cal.* imbricated hemispherical.
- 941 CALEA. *Recept.* chaffy. *Pappus* hairy. *Cal.* imbricated.
- 932 BIDENS. *Recept.* chaffy. *Pappus* awn'd. *Cal.* imbricated.
- 938 STAEHELINA. *Recept.* chaffy. *Pappus* plummy branch'd. *Anthers* tail'd.
- 937 PTERONIA. *Recept.* with parted bristles. *Pappus* rather feather'd. *Cal.* imbricated.
- 940 TARCONANTHUS. *Recept.* hairy. *Pappus* hairy cloathing. *Cal.* top-shape one-leaved.

* *Tansley.*

SUPERFLUOUS POLYGAMY.

(*Polygamia superflua.*)

* *Disk-like flowers.*

- 945 ARTEMISIA. *Recept.* nakedish. *Pappus* none. *Corol* rays none.
- 948 CARPESIUM. *Recept.* naked. *Pappus* none. *Corols* of the rays 5-cleft.
- 944 TANACETUM. *Recept.* naked. *Pappus* submargin'd. *Corols* of the rays 3-cleft.
- 968 COTULA. *Recept.* rather naked. *Pappus* margin'd. *Corols* of the disk 4-cleft.
- 949 BACCHARIS. *Recept.* naked. *Pappus* hairy. *Feminine Corols* mix'd with hermaphrodite ones.
- 950 CÖNYZA. *Recept.* naked. *Pappus* hairy. *Corols* of the rays 3-cleft.

946 GNA-

- 946 GNAPHALIUM. *Recept.* naked. *Pappus* plummy. *Cal.* parch'd : with concave scales.
- 947 XERANTHEMUM. *Recept.* chaffy. *Pappus* rather bristly. *Cal.* parch'd with flat rays.
- 969 ANACYCLUS. *Recept.* chaffy. *Pappus* naked. *Seeds* margin'd end-nick'd.

* * *Semiflosculous flowers, rather two-lip'd.*

- 960 PERDICIUM. *Recept.* naked. *Pappus* hairy. *Corols* 3-cleft : the exterior division greater three-lobed.

* * * *Radiate flowers.*

- 962 BELLIS. *Recept.* naked. *Pappus* none. *Cal.* simple with equal scales.
- 967 MATRICARIA. *Recept.* naked. *Pappus* none. *Cal.* imbricated with acute scales.
- 1420 UNXIA. *Recept.* naked. *Pappus* none. *Cal.* five-leaved. *S.*
- 966 CHRYSANTHEMUM. *Recept.* naked. *Pappus* none. *Cal.* with the inward scales parch'd.
- 959 DORONICUM. *Recept.* naked. *Pappus* hairy. *Pappus* of the rays none.
- 958 ARNICA. *Recept.* naked. *Pappus* hairy. *Stamens* of the rays castrated.
- 956 INULA. *Recept.* naked. *Pappus* hairy. *Anthers* two-bristled at the base.
- 951 ERIGERON. *Recept.* naked. *Pappus* hairy. *Corols* of the rays capillary.
- 955 SOLIDAGO. *Recept.* naked. *Pappus* hairy. *Corols* rays about six, remote.
- 957 CINERARIA. *Recept.* naked. *Pappus* hairy. *Cal.* equal, simple.
- 953 SENECIO. *Recept.* naked. *Pappus* hairy. *Cal.* with scales sphacelated at top.
- 952 TUSSILAGO. *Recept.* naked. *Pappus* hairy. *Cal.* with scales submembranous.
- 954 ASTER. *Recept.* naked. *Pappus* hairy. *Cal.* somewhat ragged.
- 1322 BELLIUM. *Recept.* naked: *Pappus* awn'd and 8-leaved. *Cal.* simple.
- 964 TAGETES. *Recept.* naked. *Pappus* awn'd. *Cal.* one-leaved. *Rays* 5-flower'd.

- 961 HELENIUM. *Recept.* half-naked. *Pappus* 5-awn'd. *Calyx* many-parted. The rays with *Corols* 3-cleft.
- 965 PECTIS. *Recept.* naked. *Pappus* awn'd. *Cal.* 5-leaved. *Rays* 5-flower'd.
- 1421 MUTISIA. *Recept.* naked, *Pappus* plumy. *Cal.* cylindrical imbricated. *S.*
- 963 LYCERA. *Recept.* half-chaffy. *Pappus* plumy. *Cal.* parch'd.
- 973 SEGISBECKIA. *Recept.* chaffy. *Pappus* none. *Rays* halved.
- 1321 ECLIPTA. *Recept.* chaffy. *Pappus* none. *Corollets* of the disk four-cleft.
- 970 ANTHEMIS. *Recept.* chaffy. *Pappus* none. *Cal.* hemispherical.
- 971 ACHILLEA. *Recept.* chaffy. *Pappus* none. *Rays* mostly 5-flower'd. *Calyx* oblong.
- 977 BUPHTHALMUM. *Recept.* chaffy. *Pappus* margin'd. *Stigma* of the hermaphrodite flowers simple.
- 978 AMELLUS. *Recept.* chaffy. *Pappus* hairy. *Cal.* imbricated.
- 972 TRIDAX. *Recept.* chaffy. *Pappus* hairy. *Corols* of the rays 3-parted.
- 975 VERBESINA. *Recept.* chaffy. *Pappus* awn'd. *Florets* of the rays about five.
- 974 ZINNIA. *Recept.* chaffy. *Pappus* awn'd. *Rays* 5-flower'd permanent. *Calyx* imbricated.

* *Tetragonotheca.* *see* *Po'ymnia.*

FRUSTRANEOUS POLYGAMY.

(*Polygamia frustranea.*)

- 982 GORTERIA. *Recept.* nakedish. *Pappus* hairy. *Rays* of the corols ligulate.
- 984 CENTAUREA. *Recept.* bristly. *Pappus* hairy. *Rays* of the corols tubular.
- 1271 ZOEGERA. *Recept.* bristly. *Pappus* bristly. *Rays* of the corols ligulate.
- 980 RUDBECKIA. *Recept.* chaffy. *Pappus* margin'd. *Calyx* with a double series.

981 CORE-

- 981 COREOPSIS. *Recept.* chaffy. *Pappus* awn'd. *Calyx* calyced.
 979 HELIANTHUS. *Recept.* chaffy. *Pappus* awn'd. *Cal.* ragged.
 983 OSMITES. *Recept.* chaffy. *Pappus* obscure. *Cal.* imbricated.

NECESSARY POLYGAMY.

(Polygamia necessaria.)

- 995 FILAGO. *Recept.* naked. *Pappus* none. *Feminine florets* between the scales of the calyx.
 996 MICROPUS. *Recept.* naked. *Pappus* none. *Feminine florets* sheath'd by the scales of the calyx.
 985 MILLERIA. *Recept.* naked. *Pappus* none. *Feminine florets* mostly solitary.
 1323 BALTIMORA. *Recept.* naked. *Pappus* none. *Cal.* cylindrical. *Ray* five-flower'd.
 993 OTHONNA. *Recept.* naked. *Pappus* hairy. *Cal.* one-leaved.
 1224 HIPPIA. *Recept.* naked. *Pappus* none. *Seeds* smooth, margin-compress'd. *Ray* obscure.
 992 OSTEOSPERMUM. *Recept.* naked. *Pappus* none. *Seeds* globular, bony.
 990 CALENDULA. *Recept.* naked. *Pappus* none. *Seeds* membranous.
 991 ARCTOTIS. *Recept.* somewhat hairy. *Pappus* 5-leaved. *Seeds* downy.
 994 ERIOCEPHALUS. *Recept.* villous. *Pappus* none. *Florets* of the rays fivefold.
 987 POLYMNIA. *Recept.* chaffy. *Pappus* none. *Cal.* 5-leaved.
 989 MELAMPODIUM. *Recept.* chaffy. *Pappus* one-leaved. *Cal.* 5-leaved.
 986 SILPHIUM. *Recept.* chaffy. *Pappus* 2-awn'd. *Cal.* ragged.
 988 CHRYSOGONUM. *Recept.* chaffy. *Pappus* 3-awn'd. *Seeds* with proper calyces.

SEPERATE POLYGAMY.

(Polygamia segregata.)

- 1001 STROEBE. *Perianth* one-flower'd. *Pappus* plumy. *Polygamy* equal.
- 1325 OEDERA, *Recept.* chaffy. *Pappus* chaffy. *Perianth* proper with tubular and ligulate florets.
- 1422 JUNGIA. *Recept.* chaffy. *Pappus* sessile. *Perianth* common, 3-flower'd. S.
- 999 ECHINOPS. *Perianth* one-flower'd. *Pappus* pubescent. *Polygamy* equal.
- 997 ELEPHANTOPUS. *Perianth* 4-flower'd. *Pappus* bristled. *Polygamy* equal.
- 1000 GUNDELIA. *Recept.* 5-flower'd *Pappus* none. *Polygamy* frustraneous.
- 998 SPHÆRANTHUS. *Recept.* many-flower'd. *Pappus* none. *Polygamy* necessary.

M O N O G A M Y.

(Monogamia.)

- 1002 STRUMPFIA. *Cal.* 5-tooth'd. *Corol* 5-petal'd regular. *Berry* beneath, one-seeded.
- 1003 SERIPHIMUM. *Cal.* imbricated. *Corol* 1-petal'd regular. *Seed* 1, oblong.
- 1004 CORYMBIUM. *Cal.* 2-leaved. *Corol* 1-petal'd regular, *Seed* 1, woolly.
- 1005 JASIONE. *Cal.* common. *Corol* 5-petal'd regular. *Capsule* beneath, 2-cell'd.
- 1006 LOBELIA. *Cal.* 5-tooth'd. *Corol* 1-petal'd irregular, *Capsule* beneath 2-cell'd.
- 1007 VIOLA. *Cal.* 5-leaved. *Corol* 5-petal'd irregular. *Capsule* above, 3-valved.
- 1008 IMPATIENS. *Cal.* 2-leaved. *Corol* 5-petal'd irregular. *Capsule* above, 5-valved.

EQUAL

EQUAL POLYGAMY.

(Polygamia æqualis.)

904. GEROPOGON. *Receptacle* bristle - chaffy.
Calyx simple. *Seeds* of the Disk with
 plummy pappus : of the rays with awn'd
 pappus.

<i>glabrum.</i>	1. G. leaves smooth.	<i>smooth.</i>
<i>birsutum.</i>	2. G. leaves hairy.	<i>shaggy.</i>
<i>calyculatum.</i>	G. calyxes calyced.	<i>calyced.</i>

905. TRAGOPOGON. *Recept.* naked. *Calyx*
 simple. *Pappus* plummy. *Goat's beard.*

<i>pratense.</i>	1. T. calyxes equalling the rays of the corol, leaves intire upright.	<i>meadow.</i>
<i>orientale.</i>	2. T. calyxes shorter than the rays of the corol, leaves intire rather waved.	<i>oriental.</i>
<i>porrifolium.</i>	3. T. calyxes longer than the rays of the corol, leaves intire upright, peduncles thicken'd above.	<i>leak-leaved.</i>
<i>crocifolium.</i>	5. T. calyxes longer than the rays of the corol, leaves intire radical and peduncles villous at the base.	<i>safforn-leaved.</i>
<i>villosum.</i>	4. T. calyxes half as long again as the corol, stem and leaves villous.	<i>villous.</i>
<i>Dalecampii.</i>	6. T. calyxes one-leaved shorter than the corol unarm'd, leaves runcinate.	<i>of Dalacamp.</i>
<i>Picroides.</i>	7. T. calyxes one-leaved shorter than the corol prickly, leaves runcinate toothletted.	<i>Picris-like.</i>
<i>asperum.</i>	8. T. calyxes shorter than the corol hispid, leaves intire : stem-leaves oblong.	<i>rough.</i>
<i>dandelion.</i>	9. T. leaves sword-form intire polish'd, scapes radical.	<i>dandelion.</i>

584. CONFEDERATE MALES. EQUAL POLYG. Trag:
lanatum. 10. T. leaves sword-form waved villous, scapes radical.
virginicum. 11. T. leaves radical lyred rounded, stem-leaves undivided.
woolly.
virginian.

906. SCORZONERA. *Receptacle* naked. *Pappus* plumy. *Calyx* imbricated with scales parch'd on the margin.

tomentosa. 3. S. leaves egg'd nerved downy most intire feffile.
downy.
humilis. 1. S. stem nakedish one-flower'd, leaves broad-lanced nerved flat.
low.
hispanica. 2. S. stem branchy, leaves stem-clasping intire sawletted.
spanish.
graminifolia. 4. S. leaves linear-sword-form intire keel'd. *grass-leaved.*
purpurea. 5. S. leaves linear-awl'd intire channel-three-sided, peduncles cylindric.
purple.
angustifolia. 6. S. leaves awl'd intire, peduncles villous, stem thickened at the base.
narrow-leaved.
hirsuta. S. the linear leaves and the one-flower'd, stem shaggy.
shaggy.
resedifolia. 8. S. leaves obtusely tooth'd, stem divaricated, calyxes with downy tops.
reseda-leaved.
laciniata. 9. S. leaves linear tooth'd acute, stem erect, calyxes with scales broad-dagger'd.
jagg'd.
orientalis. 7. S. leaves sinuous toothletted acute, stems mostly one-flower'd.
oriental.
tingitana. 10. S. leaves all runcinate stem-clasping.
Tangiers.
Picroides. 9. S. superiour leaves stem-clasping most intire, inferiour leaves runcinate, peduncles scaly. *Picris-like.*

907. PICRIS. *Receptacle* naked. *Calyx* calyced. *Pappus* plumy, *Seeds* transversely furrow'd.

Echioides. 1. P. exterior perianths five-leaved larger than the interior awn'd one.
Echium-like.
Hieracioides. 2. P. perianths loose, leaves intire, peduncles scaly up to the calyx.
Hawkweed-like.
asplenoides. 4. P. leaves feather-cleft, lobes alternate rounded.
asplenium-like.

908. SON-

908. SONCHUS. *Receptacle* naked. *Calyx* imbricated bellied. *Pappus* hairy. *Sowthistle*.

- maritimus.* 4. S. peduncle naked, leaves lanced stem-clasping undivided sharply tooth'd backwards. *sea.*
- palustris.* 2. S. peduncles and calyxes hispid subumbel'd, leaves runcinate awn'd at the base. *marsh.*
- arvensis.* 3. S. peduncles and calyxes hispid subumbel'd, leaves runcinate hearted at the base. *field.*
- oleraceus.* 5. S. peduncles downy, calyxes smooth. *potherb.*
- tenerimus.* 6. S. peduncles downy, calyxes hairy. *most tender.*
- Plumieri.* 8. S. peduncles naked, flowers paniced, leaves runcinate. *of Plumier.*
- alpinus.* 7. S. peduncles scaly, flowers racemed, leaves runcinate. *alpine.*
- floridanus.* 9. S. peduncles, leaves lyre-halberted. *Florida.*
- tuberosus.* S. peduncles scaly, the inferiour leaves runcinate, the superiour arrow'd. *tuberous.*
- sibiricus.* 8. S. peduncles scaly, leaves lanced undivided sessile. *siberian.*
- tataricus.* S. peduncles naked, leaves lanced tooth'd runcinate. *tartarian.*
- tuberosus.* S. peduncles rather scaly, leaves runcinate and intire arrow'd sessile. *tuberous.*
- canadensis.* 1. S. peduncles hispid, leaves runcinate, flowers racemed. *canada.*
- fruticosus.* S. shrubby, most smooth, leaves elongate lanced sinuous subpetioled, umbels rather downy involucred, calyxes ragged most smooth. *S. shrubby.*
- tuberosus.* S. the inferiour leaves runcinate, the superiour arrow'd. *tuberous.*

909. LACTUEA. *Receptacle* naked. *Calyx* imbricated, cylindric, with membranous margin. *Pappus* simple, stiped. *Seeds* polish'd. *Lettice*.

- quercinea.* 1. L. leaves runcinate toothletted acute: polish'd underneath, stem smooth. *oak.*
- fativa.* 2. L. leaves rounded on the stem hearted, stem corymbed. *cultivated.*

4. L.

586. CONFEDERATE MALES. EQUAL POLYG. *Lactuca*

- Scariola.* 4. L. leaves vertical prickly on the keel.
virosa. 5. L. leaves horizontal prickly on the keel tooth'd.
saligna. 6. D. leaves halbert-linear sessile prickly on the keel.
canadensis. 3. L. leaves lance-sword-form stem-clasping tooth'd un-
 arm'd.
indica. L. leaves lance-sword-form sessile unequally tooth'd.
perennis. 7. L. leaves linear tooth-feather'd : the divisions tooth'd
 upwards.

poisonous.

willow.

canada.

indian.

perennial.

910. CHONDRILLA. *Receptacle* naked. *Calyx*
 calyced. *Pappus* simple, stiped. *Flo-*
rets in a manifold series. *Seeds* murex'd.

- juncea.* 1. C. radical leaves runcinate, stem-leaves linear intire.
crepoides. C. leaves arrow'd stem-clasping, stem simple, flowers
 subsessile lateral.
nudicaulis. C. scape naked, flowers paniced.

rush.

crepis-like.

stem-naked.

911. PRENANTHES. *Receptacle* naked. *Calyx*
 calyced. *Pappus* simple subsessile.
Florets in a simple series.

- tenuifolia.* 1. P. leaves linear most intire.
viminea. 2. P. films of the leaves adhering to the stem.
purpurea. 3. P. florets fivefold, leaves lanced toothletted.
muralis. 4. P. florets fivefold, leaves runcinate.
altissima. 5. P. florets fivefold, leaves three-lobed, stem erect.
chondrilloi- 8. P. florets tenfold, calyxes eight-cleft, leaves lanced :
des. radical leaves undivided rather tooth'd.
japonica. 9. P. florets fifteenfold, radical leaves lyred, stem rather
 naked.
alba. 6. P. florets most numerous, flowers nodding subumbel'd,
 leaves halbert-angled.
repens. 7. P. creeping, leaves three-lobed.
pinnata. P. shrubby, leaves feather'd with an odd one many-
 pair'd : leaflets linear most intire panicle com-
 pound. S.

slender-leaved.

twiggy.

purple.

wall.

highest.

chon-

drilla-like.

japan.

white.

creeping.

feather'd.

912. LEON-

912. LEONTODON. *Receptacle* naked. *Calyx* imbricated with loofish scales. *Pappus* plumy. *Dandelion*.

- Taraxacum*. 1. L. calyx with scales reflected beneath, leaves runcinate toothletted, polish'd.
- bulbosum*. 3. L. leaves oblong egg'd rather tooth'd smooth, calyx polish'd, scape shaggy above. *bulbous*.
- aureum*. 2. L. leaves runcinate, stem mostly one-leaved, calyx hispid. *golden*.
- hastile*. 5. L. scape and calyx polish'd, leaves lanced tooth'd most intire smooth. *spear*.
- tuberosum*. 6. L. leaves runcinate rugged, calyx acute shaggy. *tuberous*.
- autumnalis*. 4. L. stem branchy, peduncles scaly, leaves lanced tooth'd most intire smooth. *autumnal*.
- hispidum*. 8. L. calyx all erect, leaves tooth'd most intire hispid: bristles fork'd. *hispid*.
- hirtum*. 7. L. calyx all erect, leaves tooth'd shaggy: bristles most simple. *shaggy*.
- tomentosum*. L. calyx oblong, leaves lanced undivided downy underneath, pappus stiped. S. *downy*.

913. HIERACIUM. *Receptacle* naked, *Calyx* imbricated, egg'd. *Pappus* simple, sessile. *Hawkweed*.

* *Scape naked one-flower'd*.

- incanum*. 1. H. leaves most intire somewhat toothletted lanced rugged, scape one-flower'd. *hoary*.
- pumilum*. H. leaves egg'd, petioles dilated, scapes mostly one-flower'd. *dwarf*.
- alpinum*. 1. H. leaves oblong intire tooth'd, scape rather naked one-flower'd, calyx hairy. *alpine*.
- Taraxaci*. 2. H. leaves lanced tooth'd smooth, scaped rather naked one-flower'd, calyx shaggy.
- venosum*. 3. H. leaves wedge-form shaggy, scape one-flower'd naked most thick erect. *vein'd*.
- Pilosella*. 3. H. leaves most intire egg'd downy underneath, stoles creeping, scape one-flower'd.

** *Scape*

* * Scape naked many-flower'd.

- dubium*. 5. H. leaves intire egg-oblong, stoles creeping, scape naked many-flower'd. *dubious.*
- auricula*. 6. H. leaves most intire lanced, stoles creeping, scape naked.
- cymosum*. 7. H. leaves lanced intire hairy, scape rather naked hairy at the base, flowers subumbel'd. *cymed.*
- præmorsum*. 8. H. leaves egg'd rather tooth'd, scape naked branchy, the superiour flowers forwardest. *end-bitten.*
- aurantiacum*. 9. H. leaves intire, stem nakedish most simple hairy corymbe-bearing. *orange.*
- Gronovii*. 10. H. stem panicled nakedish, radical leaves inverfe-egg'd most intire hairy: *of Gronovius.*
- Gmelini*. 13. H. stem panicled naked, radical leaves egg'd saw'd smooth. *of Gmelin.*
- sanctum*. 12. H. scape naked many-flower'd, leaves lyred obtuse tooth'd. *holy.*
- capense*. 11. H. stem naked many-flower'd, the inferiour peduncles longer, leaves oblong tooth'd rugged. *cape.*

* * * Stem shrubby.

- paniculatum*. 14. H. stem erect, leaves alternate lanced naked tooth'd, panicle capillary. *panicled.*
- porrifolium*. 16. H. stem branchy leafy, leaves lance-linear very intire. *leak-leaved.*
- chondrilloides*. 15. H. stem branchy, stem-leaves elongate tooth'd smooth, radical leaves lanced intire. *chondrilla-like.*
- murorum*. 17. H. stem branchy, radical leaves egg'd tooth'd; the stem-leaf less. *wall.*
- paludosum*. 18. H. stem panicled, leaves stem-clasping tooth'd smooth, calyxes hispid. *lake.*
- lyratum*. 19. H. stem many-flower'd, leaves lyred smooth, calyxes and peduncles hispid. *lyred.*
- cerinthoides*. 20. H. radical leaves inverfe-egg'd toothletted, stem-leaves oblong half-stem-clasping. *cerinthe-like.*
- amplexicaule*. 21. H. leaves stem-clasping hearted rather tooth'd, peduncle one-flower'd shaggy, stem branchy. *stem-clasping.*
- pyrenaicum*. H. leaves stem-clasping inverfe-egg-lanced tooth'd backwards, stem simple, calyxes loose. *pyreanean.*
- blattarioides*. b. H. leaves lanced stem-clasping tooth'd, flowers solitary, calyxes loose. *blattaria-like.*

c. H.

- pileosum.* c. H. *pyrenean* Picris with loose perianths, stem hairy, leaves tooth-sinuuous. *hairy.*
- austriacum.* d. H. *austrian* Crepis with leaves oblong toothletted, involucre most loose and calyxes hispid. *austrian.*
- bebeticum.* c. H. leaves stem-clasping minutely saw'd acute. *swiss.*
- villosum.* 23. H. stem branchy leafy, leaves shaggy; radical leaves lance-egg'd tooth'd; stem-leaves stem-clasping hearted. *villous.*
- glutinosum.* 24. H. leaves lanced runcinate ruggedish, flowers umbel'd. *glutinous.*
- Kalmii.* 25. H. stem erect many-flower'd, leaves lanced tooth'd, peduncles downy. *of Kalm.*
- sprangeranium.* 26. H. stem branchy leafy, leaves half-stem-clasping oblong scollop'd hispid.
- sabaudum.* 27. H. stem erect many-flower'd, leaves egg-lanced tooth'd half-stem-clasping. *javoy.*
- umbellatum.* 28. H. leaves linear rather tooth'd scatter'd, flowers subumbel'd. *umbel'd.*

914. CREPIS. *Receptacle* naked. *Calyx* calyceled with deciduous scales. *Pappus* plummy, stiped.

- pygmæa.* 1. C. leaves egg'd intire villous petioled, stem procumbent. *pygmy.*
- bursifolium.* 2. C. leaves feather-cleft notch'd, scape naked few-flower'd. *purse-leaved.*
- barbata.* 3. C. involucre longer than the calyx; scales bristly scatter'd. *bearded.*
- vesicaria.* 5. C. involucre parch'd the length of the calyx, flowers corymbed, bractes egg'd. *bladder.*
- alpina.* 10. C. involucre parch'd the length of the calyx, flowers solitary. *alpine.*
- rubra.* 6. C. leaves stem-clasping lyre-runcinate. *red.*
- fetida.* 7. G. leaves runcinate-feather'd shaggy, petioles tooth'd. *fetid.*
- aspera.* 4. C. leaves tooth'd: the inferiour leaves egg'd ear'd, the superiour arrow'd, stem with rigid scatter'd bristles. *rough.*
- rhagadioloides.* 16. C. leaves intire stem-clasping oblong, the interior calyxes wreath-jointed hispid, leaflets boat-form. *rhagadiolus-like.*

590. CONFEDERATE MALES. EQUAL POLYG. *Crepis*.

- sibirica*. C. leaves stem-clasping oblong wrinkled tooth'd underneath, stem shaggy, calyxes fringed on the keel. *siberian.*
- teflorum*. 10. C. leaves lance-runcinate sessile polish'd, the inferiour leaves tooth'd. *wall.*
- biennis*. 11. C. leaves runcinate-feather-cleft rugged: tooth'd above at the base, calyxes murex'd. *biennial.*
- virens*. 9. C. leaves runcinate smooth stem-clasping, calyxes somewhat downy. *green.*
- Dioscoridis*. 8. C. radical leaves runcinate; stem-leaves halberted, calyxes rather downy. *of Dioscorides.*
- pulchra*. 11. C. leaves arrow'd tooth'd, stem panicled, flowers pyramidal smooth. *beautiful.*
- neglecta*. 15. C. leaves stem-clasping runcinate tooth'd rather hairy, stem panicled, calyxes thornlet-unarm'd. *uncultivated.*

915. ANDRYALA. *Receptacle* villous. *Calyx* many-parted, subequal, rounded. *Pappus* simple, sessile.

- integrifolia*. 1. A. the inferiour leaves runcinate, the superiour egg-oblong downy. *intire-leaved.*
- ragusina*. 2. A. leaves lanced undivided toothletted acute downy, flowers solitary.
- lanata*. 4. A. leaves oblong-egg'd rather tooth'd woolly, peduncles branchy. *woolly.*

916. HYOSERIS. *Receptacle* naked. *Calyx* subequal. *Pappus* hairy and calyced.

* *Stem naked.*

- fetida*. 1. H. scape one-flower'd, leaves feather-cleft, seeds naked. *fetid.*
- radiata*. 2. H. scapes one-flower'd, leaves smooth runcinate angled tooth'd: jagg'd at top. *radiate.*
- lucida*. 9. H. scapes one-flower'd, leaves somewhat fleshy runcinate angled tooth'd. *lucid.*
- scabra*. 3. H. scapes one flower'd, leaves rugged, seeds pappus'd. *rugged.*

4. H.

- virginica*. 4. H. scapes one-flower'd, leaves lanced lyred smooth.
minima. 5. H. stem divided naked, peduncles thicken'd. *virginia*.
leaf.

* * Stem leafy.

- Pedyprois*. 6. H. fruit egg'd smooth, stem branchy.
Rhagadioloides. 7. H. fruit egg'd hairy, stem branchy. *rhagadiolus-like*.
cretica. 8. H. fruit egg'd rugged, stem branchy. *cretan*.

917. SERIOLA. *Receptacle* chaffy. *Calyx* simple.
Pappus subplumy.

- laevigata*. 1. S. rather polish'd, leaves inverse-egg'd tooth'd. *polish'd*.
aethenensis. 2. S. hispid, leaves inverse-egg'd rather tooth'd. *Etna*.
cretensis. 3. S. shaggy, leaves runcinate. *cretan*.
urens. 4. S. stinging, leaves tooth'd, stem branchy. *stinging*.

918. HYPOCHÆERIS. *Recept.* chaffy. *Calyx*
subimbricated. *Pappus* plumy.

- pontana*. 1. H. stem simple leafy one-flower'd, leaves lanced
tooth'd.
maculata. 2. H. stem nakedish; branch solitary, leaves egg-oblong
intire tooth'd. *spotted*.
glabra. 3. H. smooth, calyxes oblong imbricated, stem branchy
naked, leaves tooth-sinuuous. *smooth*.
radicata. 4. H. leaves runcinate obtuse rugged, stem branchy
naked polish'd, peduncles scaly. *rooted*.

919. LAPSANA. *Receptacle* naked. *Calyx* caly-
cled, all the interior scales channel'd.
Nipple-wort.

- communis*. 1. L. calyxes of the fruit angled, peduncles slender mast
branchy. *common*.
Zacantha. 2. L. calyxes of the fruit wreath'd depresso obtuse
sessile.

592. CONFEDERATE MALES. EQUAL POLYG. *Lapsana*

- stellata.* 3. L. calyxes of the fruit every way expanding; rays awl'd, stem-leaves lanced undivided. *star.*
Rbagadiolus. 4. L. calyxes of the fruit every way expanding: rays awl'd, leaves lyred.
Kolpinia. L. calyxes of the fruit every way expanding, rays awl'd incurved hedge-hog'd, stem-leaves lanced undivided. *S.*

920. CATANANCHE. *Receptacle* chaffy. *Calyx* imbricated. *Pappus* awn'd with calyx-cle 5-bristled.

- cærulea.* 1. C. inferiour calyx-scales egg'd. *blue.*
lutea. 2. C. inferiour calyx-scales lanced. *yellow.*
græca. 3. C. leaves gash'd. *greek.*

921. CICHOREUM. *Receptacle* rather chaffy. *Calyx* calyced. *Pappus* mostly 5-tooth'd, obscurely hairy. *Succory.*

- Intybus.* 1. C. flowers double feffile, leaves runcinate.
Endivia. 2. C. flowers solitary peduncled, leaves intire notch'd. *Endive.*
spinofum. 3. C. stem two-fork'd thorny, flowers axillary feffile. *thorny.*

922. SCOLYMUS: *Receptacle* chaffy. *Calyx* imbricated, thorny. *Pappus* none.

- maculatus.* 1. S. flowers solitary. *spotted.*
hispanicus. 2. S. flowers collected. *spanish.*

923. ARCTIUM. *Calyx* globular: scales with reflected hooks at top. *Burdock.*

- Lappa.* 1. A. leaves hearted unarm'd petioled. *bur.*
Personata. 2. A. leaves decurrent fringe-thorny: radical leaves feather'd; stem-leaves oblong egg'd. *mask'd.*
Carduelis. 3. A. leaves feather-cleft prickly. *thistle.*

924. SERRATULA. *Cal.* subcylindric, imbricated, awnless. *Saw-wort.*

- tinctoria.* 1. S. leaves lyre-feather-cleft; the terminal feather greatest, florets uniform. *dyers.*
- coronata.* 2. S. leaves lyre-feather-cleft: the terminal feather greatest, feminine florets of the rays longer. *crownd.*
- alpina.* 3. S. calyxes egg-shaggyish, leaves undivided. *alpine.*
- salicifolia.* 4. S. leaves linear lanced alternate hoary underneath sessile most intire. *willow-leaved.*
- multiflora.* 5. S. leaves lanced villous underneath subdecurrent most intire, stem corymbed, calyxes cylindric. *many-flower'd.*
- noveboracensis.* 6. S. leaves lance-oblong saw'd pendulous. *new york.*
- pratensis.* 7. S. leaves lance-oblong saw'd expanding shaggy underneath. *very tall.*
- glauca.* 8. S. leaves egg-oblong pointed saw'd, flowers corymbed, calyxes roundish. *sea-green.*
- squarrosa.* 9. S. leaves linear, calyxes ragged sessile pointed lateral. *ragged.*
- scariosa.* 10. S. leaves lanced most intire, calyxes ragged peduncled obtuse lateral. *parch'd.*
- spicata.* 11. S. leaves linear fringed at the base, flowers sessile lateral spiked, stem simple. *spiked.*
- amara.* 13. S. leaves lanced, calyx-scales parch'd at top obtuse spreading colour'd, flowers terminal. *bitter.*
- centauroides.* 14. S. leaves feather-cleft oblique acute smooth unarm'd, calyx-scales dagger'd: interior ones parch'd. *centaury-like.*
- arvensis.* 16. S. leaves tooth'd thorny. *field.*

925. CARDUUS. *Cal.* egg'd, imbricated with thorny scales. *Recept.* hairy. *Thistle.** *Leaves decurrent.*

leucographus. 1. C. leaves decurrent tooth'd thorny, peduncles most long one-flower'd, calyxes thorny inclined. *white-mark'd.*

2. C.

- lanceolatus*. 2. *C.* leaves decurrent feather-cleft hispid: divisions divaricated, calyxes egg'd thorny villous, stem hairy. *lanced.*
- mutans*. 3. *C.* leaves half-decurrent thorny, flowers bowing: calyx-scales expanding above. *nodding.*
- acanthoides*. 4. *C.* leaves decurrent sinuous: thorny on the margin, calyxes peduncled solitary erect villous. *acanthus-like.*
- erispus*. 5. *C.* leaves decurrent sinuous: thorny on the margin, flowers aggregate terminal: scales unarm'd somewhat awn'd spreading. *curl'd.*
- palyanthemus*. 23. *C.* leaves decurrent sinuous fringed naked underneath, flowers peduncled collected. *many-flower'd.*
- palystris*. 6. *C.* leaves decurrent tooth'd: thorny on the margin, flowers racemed erect, peduncles unarm'd. *marsh.*
- pynocephalus*. 7. *C.* leaves decurrent feather-cleft-sinuous pubescent thorny, peduncles naked downy, calyxes deciduous. *many-headed.*
- argentatus*. *C.* leaves decurrent runcinate thorny, peduncles rather downy one-flower'd, calyxes egg'd dagger'd unarm'd. *silvered.*
- dissectus*. 8. *C.* leaves decurrent lanced: toothlets unarm'd calyxes thorny. *dissected.*
- cyanoides*. 9. *C.* leaves decurrent feather-cleft linear most intire unarm'd petioled, downy underneath. *cyanus-like.*
- canus*. 27. *C.* leaves decurrent lanced tooth-gnaw'd prickle-fringed: cobweb-subvillous on both sides. *grey.*
- pectinatus*. *C.* leaves decurrent lanced comb-feather-cleft, peduncles most long, flowers deflower'd bowing. *comb.*
- defloratus*. 11. *C.* leaves decurrent lanced saw'd thornlet-fringed naked, peduncles most long furry one-flower'd. *deflower'd.*
- montepellulanus*. 10. *C.* leaves decurrent lanced rather scollop'd smooth unequally fringed, peduncles alternate, calyxes unarm'd. *montpelier.*
- tuberosus*. 19. *C.* leaves subdecurrent petioled rather feather-cleft thorny, stem unarm'd, flowers solitary. *tuberos.*
- parviflorus*. *C.* leaves adjoin'd at the base lanced naked gnaw'd thornlet-fringed unarm'd. *small-flower'd.*
- australis*. *C.* leaves decurrent runcinate thorny, calyxes subseffile terminal. *S. southern.*

Pannonicus. C. leaves half-decurrent naked undivided fringed,
flower solitary. S.

** *Leaves sessile.*

- casabonæ.* 12. C. leaves sessile lanced most intire: thorns on the
margin three'd.
- stellatus.* 13. C. leaves sessile intire lanced unarm'd downy under-
neath, thorns branch'd axillary, flowers sessile
lateral. *star.*
- marianus.* 14. C. leaves stem-clasping halbert-feather-cleft thorny,
calyxes leafless: thorns channel'd double-
thorn'd.
- syriacus.* 15. C. leaves stem-clasping thorn-angled, flowers solitary
subsessile intrench'd with leaflets mostly fivefold.
syrian.
- criophorus.* 16. C. leaves sessile feather-cleft two-ways: divisions
alternate erect, calyxes globular villous. *cotton-
bearing.*
- altissimus.* 17. C. leaves sessile feather-cleft sinuous saw'd unarm'd,
stem most branchy, calyxes villous rather saw'd.
tallest.
- virginianus.* 18. C. leaves lanced thornletted: downy underneath,
stem unarm'd leafy one-flower'd. *virginian.*
- heterophyl-
lus.* 20. C. leaves stem-clasping lanced fringed intire and
jagg'd, stem one-flower'd, calyx unarm'd.
different-leaved.
- helenioides.* 21. C. leaves stem-clasping lanced tooth'd: thornlets un-
equally fringed, stem unarm'd. *helenium-like.*
- ferrataloi-
des.* 22. C. leaves rather stem-clasping lanced intire: sawlets
thorn-bristly, peduncles one-flower'd. *saw-
wort-like.*
- tataricus.* 23. C. leaves stem-clasping lanced: sawlets thorn-bristly,
flowers three-leaved. *tartarian.*
- flavescens.* 24. C: leaves lanced intire unarm'd tooth'd smooth,
flowers leafless thorn-unarm'd. *yellow.*
- mollis.* 25. C. leaves feather-cleft linear downy underneath, stem
unarm'd one-flower'd. *soft.*
- acaulis.* 26. C. stemless, calyx smooth. *stemless.*

926. CNICUS. *Cal.* egg'd, imbricated with scales
branch - thorny, fenced with bractes.
Corollets equal.

- oleraccus.* 1. C. leaves feather-cleft keel'd naked, bractes concave
intire subcolour'd. *potherb.*
- Eristhales.* 4. C. leaves stem-clasping feather-cleft awn-saw'd, pe-
duncles bowing, calyxes glutinous.
- ferox.* 8. C. leaves decurrent ligulate tooth - thorn'd, stem
branchy erect. *ferocious.*
- pygmicus.* 2. C. leaves sessile sublinear most crowded, calyx un-
arm'd. *pygmy.*
- Acarua.* 7. C. leaves decurrent lanced undivided, calyx feather-
thorn'd
- spinosissimus.* 3. C. leaves stem-clasping sinus-feather'd thorny, stem
simple, flowers sessile. *most thorny.*
- Centauroides.* 5. C. leaves feather-cleft, calyxes parch'd: scales
pointed. *Centaury-like.*
- uniflorus.* C. leaves feather-cleft, calyx parch'd hairy. *one-
flower'd.*
- cernuus.* 6. C. leaves hearted, petioles curl'd thorny stem-clasp-
ing, flowers bowing, calyxes parch'd. *bowing.*

927. ONOPORDON. *Receptacle* honey-comb'd.
Cal. scales dagger'd.

- Acanthium.* 1. O. calyxes ragged: scales expanding, leaves egg-
oblong sinuous.
- illyricum.* 2. O. calyxes ragged: inferiour scales hook'd, leaves
lanced feather-cleft. *illyrian.*
- arabicum.* 3. O. calyxes imbricated. *arabian.*
- acaulon.* 4. O. stemless. *stemless.*
- græcum.* O. calyxes ragged cobweb - downy, leaves thorny
awl-lanced sinuous downy. *S. greek.*

928. CYNARA. *Cal.* dilated, imbricated with
scales fleshy, end-nick'd with a point.

- Scolumus.* 1. C. leaves rather thorny feather'd and undivided, calyx-
scales egg'd.

- Cardunculus*. 2. *C.* leaves thorny: all feather-cleft; calyx-scales egg'd.
humilis. 3. *C.* leaves thorny feather-cleft downy underneath, calyx-scales awl'd. *humble.*
acaulis. 4. *C.* stemless, leaves feather'd unarm'd smooth above. *stemless.*

929. **CARLINA.** *Cal.* radiated with scales marginal long, colour'd. *Carlina.*

- acaulis*. 1. *C.* stem one-flower'd shorter than the flower. *stemless.*
lanata. 2. *C.* stem two-cleft, calyxes bloody terminal: the first axillary sessile. *woolly.*
corymbosa. 3. *C.* stem many-flower'd subdivided, flowers sessile, calyx with yellow rays. *corymbed.*
vulgaris. 4. *C.* stem many-flower'd corymbed, flowers terminal, calyx with white rays. *common.*
racemosa. 5. *C.* flowers sessile lateral very few. *racemed.*
pyrenaica. 6. *C.* stem many-flower'd, leaves decurrent runcinate: *pyrenean.*
atractylodes. 7. *C.* stem branchy, calyxes with thorns fringed. *atractylis-like.*
Xeranthemoides. *C.* shrubby, branchy, downy, leaves linear-awl'd: sawing thorn-growing, panicle terminal, rays yellow. *S.* *Xeranthemum-like.*

930. **ATRACTYLIS.** *Cor.* radiate: corollets of the radius 5-tooth'd. *Distaff.*

- gummifera*. 1. *A.* flower stemless. *gum-bearing.*
humilis. 2. *A.* leaves tooth-sinuuous, flower radiate: fenced with and expanding involucre, stem herbaceous. *humble.*
cancellata. 3. *A.* involucre latticed belliced linear tooth'd, calyxes egg'd, flowers flosculous. *latticed.*
oppositifolia. *A.* leaves opposite. *opposite-leaved.*
purpurea. *A.* leaves halberted runcinate. *S.* *purple.*
mexicana. *A.* leaves oblong, most intire. *S.* *mexican.*

931. CARTHAMUS. *Cal.* egg'd, imbricated with scales rather egg-leafy at top.

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|----------------------|-------|---|-----------------------|
| <i>tinctorius.</i> | 1. C. | leaves egg'd intire saw-prickly. | <i>dyers.</i> |
| <i>lanatus.</i> | 2. C. | stem hairy : woolly above, inferior leaves feather-cleft : the highest stem-clasping tooth'd. | <i>woolly.</i> |
| <i>creticus.</i> | 3. C. | stem smoothish, calyxes rather woolly, florets mostly nine, inferior leaves lyred. | <i>cretan.</i> |
| <i>tingitanus.</i> | 4. C. | radical leaves feather'd ; stem-leaves feather-cleft, stem one-flower'd. | <i>Tangiers.</i> |
| <i>cæruleus.</i> | 5. C. | leaves lanced thorn-tooth'd, stem mostly one-flower'd. | <i>blue.</i> |
| <i>mitissimus.</i> | 6. C. | leaves unarm'd : radical leaves tooth'd : stem-leaves feather'd. | <i>mildest.</i> |
| <i>Carduncellus.</i> | 7. C. | stem-leaves linear feather'd the length of the plant. | |
| <i>arborescens.</i> | 8. C. | leaves sword-form sinus-tooth'd. | <i>arborescent.</i> |
| <i>corymbosus.</i> | 8. C. | flowers corymbed numerous. | <i>corymbed.</i> |
| <i>salicifolius.</i> | C. | shrubby, petioles thorny, leaves lanced intire downy underneath pungent at top, branches one-flower'd. S. | <i>willow-leaved.</i> |

1287. SPILANTHUS. *Common Calyx* erect, with leaflets numerous, subequal, oblong : the two exterior longer.

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|-------------------------|-------|---|-------------------------|
| <i>urens.</i> | 1. S. | leaves lanced most intire, stem prostrate. | <i>stinging.</i> |
| <i>Pseudo-Acmella.</i> | S. | leaves lanced saw'd, stem erect. | <i>false acmella.</i> |
| <i>Acmella.</i> | S. | leaves egg'd saw'd, stem erect flowers radiate. | |
| <i>atriplexifolius.</i> | S. | leaves alternate delta-like tooth'd petioled stipuled, stem panicled. | <i>Atriplex-leaved.</i> |
| <i>insipida.</i> | 2. S. | leaves inverse-egg'd rather tooth'd sessile. | <i>insipid.</i> |
| <i>oleracea.</i> | 3. S. | leaves rather hearted sawletted petioled. | <i>oleraceous.</i> |

932. BIDENS. *Receptacle* chaffy. *Pappus* with awns erect, rugged. *Cal.* imbricated. *Cor.* sometimes furnish'd with one floret alternately radiant.

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|--------------------|-------|--|----------------------|
| <i>tripartita.</i> | 1. B. | leaves three-cleft, calyxes rather leafy, seeds erect. | <i>three-parted.</i> |
|--------------------|-------|--|----------------------|

- minima.* 2. *B.* leaves lanced sessile, flowers and seeds erect. *leafy.*
nodiflora. 4. *B.* leaves oblong most intire one-tooth'd, stem two-
 fork'd, flowers solitary sessile. *knot-flowering.*
tenella. 5. *B.* leaves linear, peduncles capillary, calyxes mostly
 four-leaved, seeds erect fivefold. *tender.*
cernua. 3. *B.* leaves lanced stem-clasping, flowers bowing, seeds
 erect. *bowing.*
frondosa. 6. *B.* leaves feather'd saw'd lined smooth, seeds erect,
 calyxes leafy, stem polish'd. *leafy.*
pilosa. 7. *B.* leaves feather'd rather hairy, stem with knots
 bearded, calyxes with a simple involucre, seed
 diverging. *hairy.*
bipinnata. 8. *B.* leaves twice-feather'd gash'd, calyxes involucre,
 corols semiradiate, seeds diverging. *twice-
 feather'd.*
nivea. 9. *B.* leaves simple rather halberted saw'd petioled,
 flowers globular, peduncles elongate seeds
 polish'd. *snowy.*
verticillata. 10. *B.* leaves oblong intire: alternate below opposite
 above, flowers verticil'd. *verticil'd.*
scandens. 11. *B.* leaves opposite egg'd pointed most intire, stem
 climbing shrubby, flowers opposite panicled.
climbing.
bullata. 12. *B.* leaves egg'd saw'd: the inferiour opposite, the su-
 perieur three'd: the intermediate one larger.
studded.

933. *CACALIA*. *Receptacle* naked. *Pappus* hairy.
Cal. cylindric, oblong, subcalyced
 only at the base.

* *Shrubby.*

- papillaris.* 1. *C.* stem shrubby fenced with thorns petioled lop'd.
papillary.
Anteuphorbi- 2. *C.* stem shrubby, leaves egg-oblong flat, petioles ex-
um. tended at the base with a triple line.
cuncifolia. *C.* stem shrubby, leaves wedge-form fleshy. *wedge-
 leaved.*
Kleinia. 3. *C.* stem shrubby compound, leaves lanced flat, scars
 of the petioles obscure.
Ficoides. 4. *C.* stem shrubby, leaves compress'd fleshy. *Fig-like.*
repens. 14. *C.* stem shrubby, leaves depress'd fleshy. *creeping.*

- suffruticosa*. 13. C. stem shrubbyish branchy, leaves linear flat scatter'd. *shrubbyish.*
- laurifolia*. C. shrubby, smooth, leaves petioled egg'd triple-nerved obtuse most intire most smooth, thyrse terminal, calyx four-leaved smooth. S. *bay-leaved.*
- cordifolia*. C. shrubby, shaggy, leaves petioled heart-egg'd nerved acute rugged, calyx four-leaved four-flower'd pubescent. S. *heart-leaved.*
- asclepiadea*. C. shrubby downy, leaves petioled egg-lanced most intire most smooth above downy underneath revolute on the margin, panicles terminal. S. *asclepias-like.*
- appendiculata*. C. shrubby downy, leaves hearted egg'd acute angled downy underneath, petioles appendagedly leafy. S. *appendaged.*
- tomentosa*. C. downy, stem shrubby, leaves lanced tooth'd downy underneath sessile. S. *downy.*

* * *Herbaceous.*

- Porophyllum*. 5. C. stem herbaceous undivided, leaves elliptic rather notch'd. *Pore-leaved.*
- sonchifolia*. 6. C. stem herbaceous, leaves lyred stem-clasping tooth'd. *swistle-leaved.*
- incana*. 7. C. stem herbaceous, leaves lanced tooth'd. *hoary.*
- saracenic*. 8. C. stem herbaceous, leaves lanced saw'd decurrent. *saracenic.*
- hastata*. 9. C. stem herbaceous, leaves three-lobed pointed saw'd, flowers nodding. *halberted.*
- suaveolens*. 10. C. stem herbaceous, leaves halbert arrow'd toothletted, petioles dilated above. *sweet-scented.*
- atriplicifolia*. 11. C. stem herbaceous, leaves rather hearted tooth-sinu-ous, calyxes five-flower'd. *atriplex-leaved.*
- alpina*. 12. C. leaves kidney-form-hearted acute toothletted. *alpine.*
- chinata*. C. herbaceous, leaves kidney-form hearted angle-tooth'd downy underneath, calyx-leaflets tubercled. S. *hedge-bog'd.*
- albifrons*. C. herbaceous, leaves hearted twice-saw'd acute downy underneath, stipules oblong rounded. S. *white-leaved.*
- bipinnata*. C. stem herbaceous, leaves twice-feather'd linear. S. *twice-feather'd.*

- acaulis*. C. stemless, leaves half-columnar, scapes one-flower'd. S. *stemless.*
- radicans*. C. herbaceous creeping rooting, leaves column-egg'd fleshy. S. *rooting.*
- articulata*. C. fleshy, stem decumbent jointed, the inferiour leaves halberted, the superiour lyred. S. *jointed.*

934. *ETHULIA*. *Receptacle* naked. *Pappus* none.

- Conyzoides*. 1. E. flowers paniced. *Conyza-like.*
- Spargano-*
phora. 2. E. flowers sessile lateral.
- divaricata*. 4. E. leaves linear tooth'd decurrent, peduncles flower-opposed one-flower'd, stem divaricated *diva-*
cated.
- tomentosa*. 5. E. shrubbyish, leaves linear most intire downy. *downy.*
- bidentis*. 5. E. racemelets one-rank'd, calyxes mostly five-flower'd, leaves lanced opposite. *bident.*

935. *EUPATORIUM*. *Receptacle* naked. *Pappus* feathery. *Cal.* imbricated, oblong. *Style* half-two-cleft, long. *Hemp-agri-*
*mony.** *Calyxes* four-flower'd.

- Dalea*. 1. E. leaves lanced vein'd obscurely saw'd smooth, calyxes four-flower'd, stem shrubby.
- hyssopifolium*. 2. E. leaves lance-linear three-nerved very intire. *hyssop-leaved.*
- scandens*. 3. E. stem twining, leaves hearted tooth'd acute. *climbing.*
- Houstonis*. 4. E. stem twining, leaves egg'd most intire. *of Houston.*

* * *Calyxes* five-flower'd.

- zeilanicum*. 6. E. leaves egg-halberted petioled tooth'd. *ceylon.*
- sessilifolium*. 7. E. leaves sessile stem-clasping distinct lanced. *sessile-*
leaved.
- album*. 22. E. leaves lanced saw'd, calyxes with leaflets lanced parch'd at top colour'd. *white.*

8. E.

- chinense.* 8. E. leaves egg'd petioled saw'd. *china.*
rotundifolium. 9. E. leaves sessile distinct rather round-hearted. *round-leaved.*
altissimum. 10. E. leaves lanced nervy : the inferiour ones rather saw'd on the outside, stem shrubbyish. *highest.*
bastatum. 5. E. leaves heart-halberted rather tooth'd naked, stem twining, flowers spiked. *halberted*
trifoliatum. 11. E. leaves threefold. *three-leaved.*
cannabinum. 12. E. leaves finger'd. *hemp.*

* * * *Calyxes seven-flower'd.*

- cinereum.* E. calyxes seven-flower'd, leaves opposite lanced downy. S. *ash-colour'd.*

* * * * *Calyxes eight-flower'd.*

- purpureum.* 13. E. leaves fourfold rugged lance-egg'd unequally saw'd petioled wrinkled. *purple.*
maculatum. 14. E. leaves fivefold rather downy lanced equally saw'd vein'd petioled. *spotted.*
scabrum. E. villous, leaves opposite petioled egg'd intirish wrinkled rugged above. S. *rugged.*

* * * * * *Calyxes with fifteen or more florets.*

- perfoliatum.* 15. E. leaves conjoin-leaf-pierced downy. *leaf-pierced.*
caelestinum. 18. E. leaves heart-egg'd obtusely saw'd petioled, calyxes many-flower'd. *caelestial.*
aromaticum. 19. E. leaves egg'd obtusely saw'd petioled three-nerved, calyxes simple. *aromatic.*
altissimum. E. leaves egg'd saw'd petioled, stem smooth. *highest.*
odoratum. 16. E. leaves delta-like tooth'd below downy underneath, calyxes many-flower'd. *odorous.*
ivæfolium. 17. E. leaves narrow-lanced three-nerved rather saw'd, calyxes ragged many-flower'd. *iva-leaved.*
urticæfolium. E. hispid, leaves petioled hearted gash-saw'd, panicle terminal, calyxes many-flower'd awl'd subpungent. S. *nettle-leaved.*
stachadifolium. E. downy, leaves petioled linear notch'd downy hoary underneath, panicle terminal. S. *stachas-leaved.*

- microphyllum.* E. leaves triangular-egg'd nine-notch'd downy underneath brown-vein'd, panicle conglomerated terminal, peduncle elongate. S. *small-leaved.*
ageratoides. E. leaves egg'd saw'd petioled, stem smooth. S. *ageratum-like.*

936. AGERATUM. *Receptacle naked. Pappus 5-awn'd. Cal. oblong, subequal. Corollets four-cleft.*

- Conyzoides.* 1. A. leaves egg'd, stem hairy. *Conyza-like.*
ciliare. 2. A. leaves egg'd notch'd obtuse, stem smooth. *fringed.*

937. PTERONIA. *Receptacle with bristles many-parted. Pappus rather feather'd. Cal. imbricated.*

- camphorata.* 1. P. leaves scatter'd fringed at the base. *camphor.*
oppositifolia. 2. P. leaves opposite, branches two-fork'd divaricated: *opposite-leaved.*
flexicaulis. P. leaves thread-form smooth, calyxes nearly four-corner'd, branches short rigid. S. *stem-winding.*
retorta. P. leaves egg'd reflected smooth fringed on the margin rugged, stem erect, calyx-scales intire. S. *retorted.*
hirsuta. P. leaves lanced expanding hairy, stem procumbent, calyx-scales intire. S. *shaggy.*
glabrata. P. leaves lanced smooth, calyx-scales egg'd membranous. S. *smooth'd.*
inflexa. P. leaves egg'd hairy, calyx-scales rather jointed membranous, peduncle inflected. S. *inflected.*
scariosa. P. branches thorny, calyxes parch'd, leaves oval. S. *parch'd.*
glomerata. P. leaves egg-three-sided smooth, stem four-corner'd. S. *glomerate.*
cinerea. P. leaves oblong downy, calyx-scales egg'd membranous. S. *ash-colour'd.*
villosa. P. leaves lanced obtuse hairy, calyx-scales egg'd membranous. S. *villous.*
spinosa. P. leaves awl'd spinescent pungent. S. *thorny.*
membranacea. P. leaves egg'd dust-downy, calyx-scales awl'd parch'd on the margin. S. *membranous.*

604. CONFEDERATE MALES. EQUAL POLYG. Pteron:

- pallens.* P. leaves thread-form smooth, calyxes columnar egg'd, stem and branches incurved columnar. *pale.*
- minuta.* P. leaves linear vague, flowers axillary. S. *minute.*
- fasciculata.* P. flowers fascicled one-flower'd. S. *fascicled.*
- Cephalotes.* P. calyxes oblong terminal most minutely torn, leaves awl'd conduplicate keel'd sawletted. S. *headed.*

938. STÆHELINA. *Receptacle* most shortly chaffy. *Pappus* branchy. *Antbers* tail'd.

- gnaphaloides.* 1. S. leaves thread-form downy, calyx-scales membranous at top reflected. *gnaphalium-like.*
- dubia.* 2. S. leaves linear toothletted, calyx-scales lanced pappus twice as long as the calyxes. *dubious.*
- arborescens.* 3. S. leaves oval. *arborescent.*
- fruticosa.* 4. S. leaves lanced obtuse. *shrubby.*
- Chamcepense.* 5. S. leaves linear crowded most long revolute. *imbricated.*
- imbricata.* S. leaves awl'd erect downy. *imbricated.*
- ilicifolia.* S. arborefcnt, leaves opposite most shortly petioled hearted tooth'd lucid above downy underneath S. *Holly-leaved.*
- corymbosa.* S. leaves wedged end-bitten, flowers corymbcd. S. *corymbcd.*

939. CHRYSOCOMA. *Receptacle* naked. *Pappus* simple. *Cal.* hemispheric, imbricated. *Style* scarcely longer than the florets. *Goldy-locks.*

* *Shrubby.*

- oppositifolia.* 1. C. shrubby, leaves opposite inverse-egg'd, flowers fascicled peduncled. *opposite-leaved.*
- Comaurea.* 2. C. shrubby, leaves linear straight smooth decurrent on the back.
- patula.* C. shrubbyish: leaves linear smooth, branches divaricated. *spreading.*
- cernua.* 3. C. shrubbyish: leaves linear recurved rather rugged: the mature flowers nodding. *bowing.*
- ciliata.* 4. C. shrubbyish, leaves linear straight fringed, branches pubescent. *fringed.*
6. C.

- tomentosa*. 6. C. shrubbyish, leaves and branches downy. *downy*.
scabra. 5. C. shrubbyish, leaves lance-egg'd recurved toothlet-
 saw'd, peduncles pubescent. *rugged*.
dichotoma. C. shrubby proliferous two-fork'd smooth, leaves
 linear flat saw'd ruggedish, peduncles corymb'd
 scaly shaggy. S. *two-fork'd*.
sericea. C. shrubby white-filky, leaves linear channel'd,
 branchlets paniced at top. S. *filky*.

** *Herbaceous*.

- Linofyris*. 6. C. herbaceous, leaves linear smooth, calyxes loose.
biflora. 7. C. herbaceous paniced, leaves lanced three-nerved
 dotted naked. *two-flower'd*.
graminifolia. 8. C. herbaceous, leaves linear lanced smooth, flowers
 corymbed. *grass-leaved*.
villosa. 9. C. herbaceous, leaves lanced villous, calyxes con-
 tracted. *villous*.

940. TARCONANTHUS. *Receptacle* villous. *Pappus* feathery. *Cal.* one-leaved, half-
 seven-cleft top-shape. *Fleabane-*
tree.

- Ericoides*. T. leaves awny, calyxes four-leaved. S. *Heath-like*.
glaber. T. leaves smooth intire and tooth'd. S. *smooth*.
camphoratus. T. leaves oblong flat, calyx one-leaved five cleft. S. *camphor*.

941. CALEA. *Receptacle* chaffy, *Pappus* hairy.
Cal imbricated.

- jamaicensis*. 1. C. flowers mostly threefold peduncled, leaves egg-
 oblong rather saw'd petioled. *jamaica*.
oppositifolia. 2. C. corymbes collected, peduncles most long, leaves
 lanced, stem herbaceous. *opposite-leaved*.
Amellus. 3. C. flowers subpaniced, calyxes short, seeds naked,
 leaves egg-lanced petioled.
scoparia. C. stem shrubbyish, branches subopposite angled.
beefom.

942. SANTOLINA. *Receptacle* chaffy. *Pappus* none. *Cal.* imbricated, hemispheric.
Lavender-cotton.

- Chamæ-Cy-* 1. S. peduncles one-flower'd, leaves tooth'd four ways.
parissus.
rosmarini- 2. S. peduncles one-flower'd, leaves linear tubercled on
fo- the margin. *Rosmary-leaved.*
lia.
alpina. 3. S. peduncles one-flower'd, leaves twice-feather'd,
stems simple. *alpine.*
anthemoides. 4. S. peduncles one-flower'd, leaves twice-feather'd,
stem most branchy villous. *anthemis-like.*

943. ATHANASIA. *Receptacle* chaffy. *Pappus* chaffy most short. *Cal.* imbricated.

- squarrosa.* 1. A. peduncles one-flower'd lateral, leaves egg'd re-
curved. *ragged.*
crenata. 2. A. flowers solitary terminal, leaves linear. *notch'd.*
capitata. 3. A. flowers terminal subseffile, leaves lanced shaggy.
beaded.
maritima. 10. A. peduncles two-flower'd, leaves lanced notch'd ob-
tuse downy. *sea.*
genistifolia. 11. A. corymbes simple, leaves lanced undivided naked
crowded. *Genista-like.*
pubescens. 8. A. corymbes simple, leaves lanced undivided villous.
pubescent.
annua. 9. A. corymbes simple crowded, leaves feather-cleft
tooth'd. *annual.*
dentata. 5. A. corymbes compound, leaves recurved: the inferi-
our linear tooth'd, the superiour egg'd saw'd.
tooth'd.
trifurcata. 6. A. corymbes simple, leaves three-lobed wedge-form.
three-fork'd.
crithmifolia. 7. A. corymbes simple, leaves half-three-cleft linear.
Samphire-leaved.
parviflora. 1. A. corymbes compound, leaves feather'd linear.
small-flower'd.
dentata. A. leaves lanced tooth'd saw'd, corymbe compound.
S. *tooth'd.*
pinnata. A. leaves feather'd linear downy, corymbes dense
compound. S. *feather'd.*
linifolia. A. leaves linear, corymbe simple. S. *Flax-leaved.*
A.

- filiformis.* A. leaves linear smooth spreading, corymbe compound. S. *thread-form.*
- cinerea.* A. leaves linear downy intire, corymbe compound. S. *ash-colour'd.*
- pectinata.* A. leaves feather'd smooth, corymbe compound. S. *comb.*
- sessiliflora.* A. leaves linear hairy, peduncles one-flower'd shorter than the leaf. S. *sessile-flower'd.*
- pumila.* A. leaves linear hairy, peduncles one-flower'd longer than the leaf. S. *dwarf.*
- uniflora.* A. leaves inverse-egg'd imbricated smooth, flowers terminal sessile solitary. S. *one-flower'd.*

1419. BARNADESIA. *Cor.* radiate. *Cal.* naked, imbricated, pungent. *Pappus* of the *Rays* feathery; of the *Disk* bristly, retrofracted. S.

spinosa. BARNADESIA. *thorny.*

SUPERFLUOUS POLYGAMY.

(*Polygamia superflua.*)

944. TANACETUM. *Receptacle* naked. *Pappus* submargin'd. *Cal.* imbricated, hemispheric. *Corols* of the *Rays* obscure three-cleft. (*Sometimes no corols and all the florets hermaphrodite.*) *Tansy.*

- sibiricum.* 4. T. leaves feather'd: divisions linear - thread - form, corymbes smooth, stem herbaceous. *Siberian.*
- incanum.* 5. T. leaves twice-feather'd downy, corymbe egg'd compound. *hoary.*
- cotuloides.* T. leaves tooth-feather'd pointed, stem most branchy, flowers subpanicled. *Cotula-like.*
- annuum.* 6. T. leaves twice-feather'd linear acute, corymbes downy. *annual.*

- monanthos.* 9. T. stems most simple one-flower'd the length of the leaves. *one-flower'd.*
vulgare. 7. T. leaves twice-feather'd gash'd saw'd. *common.*
Balsamita. 8. T. leaves egg'd intire saw'd.

945. ARTEMISIA. *Receptacle* subvillous or naked-ish. *Pappus* none. *Cal.* imbricated with scales rounded converging. *Corols* of the rays none.

* *Shrubby erect.*

- vermiculata.* A. shrubby, leaves awny crowded most small, panicle racemed, flowers sessile. *worm.*
judaica. A. shrubby, leaves inverse-egg'd obtuse lobed small, flowers paniced pedicel'd. *judean.*
æthiopica. 1. A. shrubby, leaves handed linear most minute, flowers racemed peduncled. *ethiopian.*
contra. A. shrubby, leaves handed linear minute panicle racemed, flowers sessile.
Abrotanum. 2. A. shrubby, leaves bristly most branchy. *southern-wood.*
arborefcens. 15. A. shrubby, leaves compound many-cleft linear, flowers subglobular. *arborefcent,*

** *Procumbent before florefcence.*

- santonica.* 3. A. stem-leaves linear feather-many-cleft, branches undivided, spikes one-rank'd reflected, flowers five-flower'd.
campesfris. 4. A. leaves many-cleft linear, stems procumbent twiggy. *field.*
palustris. 5. A. leaves linear feather'd most intire, flowers glomerate subsessile. *marsh.*
crithmifolia. 6. A. leaves compounded divaricated linear fleshy smooth, stem ascending paniced. *samphire-leaved.*
maritima. 7. A. leaves many-parted downy, racemes bowing, feminine florets threefold. *sea.*
glacialis. 9. A. leaves handed many-cleft silky, stems ascending, flowers glomerate level-top'd. *icy.*
rupefris. 8. A. leaves feather'd, stems ascending, flowers globular bowing with receptacle pappus'd. *rock.*

*** *Erect*

*** Erect herbaceous, with leaves compound.

- pontica*. 10. A. leaves many-parted downy underneath, flowers roundish nodding: receptacle naked. *pontic.*
- annua*. 11. A. leaves triple-feather'd smooth on both sides, flowers subglobular nodding: receptacle smooth conic. *annual.*
- tanacetifolia*. 13. A. leaves twice-feather'd downy underneath glossy: feathers transverse, racemes simple. *tansey-leaved.*
- Abfinthium*. 14. A. leaves compound many-cleft, flowers subglobular pendulous: receptacle hairy. *wormwood.*
- vulgaris*. 16. A. leaves feather-cleft flat gash'd downy underneath, racemes simple recurved, flowers with rays five-flower'd. *mugwort.*
- pectinata*. A. leaves feather'd comb'd smooth sessile, flowers axillary solitary sessile four-flower'd. *comb.*

**** Leaves simple.

- integrifolia*. 14. A. leaves lanced downy underneath most intire and tooth'd, feminine florets fivefold. *intire-leaved.*
- cærulefcens*. 15. A. stem-leaves lanced intire: radical leaves many-cleft, feminine florets threefold. *blue.*
- Dracunculus*. 16. A. leaves lanced smooth most intire. *tarragon.*
- chinensis*. 17. A. leaves simple downy obtuse lanced: the inferiour ones wedge-form three-lobed. *china.*
- maderaspata*. 18. A. leaves simple lyre-sinuuous, stems procumbent, flowers peduncled solitary globular leaf-opposed. *madrafs.*
- minima*. 22. A. leaves wedge-form scollop'd, stem procumbent, flowers axillary sessile. *leaf?*

946. GNAPHALIUM. Receptacle naked. Pappus feathery. Cal. imbricated: marginal scales rounded, parch'd colour'd. Cudweed.

* Shrubby Silver-hair.

- eximium*. G. Shrubby, leaves sessile egg'd crowded erect downy, corymbe sessile. *excellent.*

1. G.

610. CONFEDERATE MALES. SUPERF. POLYG. Gnaph:

- arboreum*. 1. G. shrubby, leaves sessile linear smooth above revolute on the margin, flowers rather headed, peduncles elongate. *arboreferent.*
- grandiflorum*. 2. G. shrubby, leaves stem-clasping egg'd three-nerved woolly on both sides. *great-flower'd.*
- fruticans*. G. shrubby, leaves egg'd stem-clasping, stem rigid, cyme sessile. *shrubby.*
- coronatum*. 3. G. shrubby, leaves sessile lanced, corymbes compound sessile, peduncles leafless, calyxes crown'd. *crown'd.*
- discolorum*. 4. G. shrubby, leaves sessile lanced, calyxes white: the inferior scales fleshy. *discolour'd.*
- muricatum*. 6. G. shrubby, leaves awl'd dagger'd, umbel compound, calyxes mostly three-flower'd cylindrical. *muric'd.*
- ericoides*. 7. G. shrubby, leaves sessile linear, exterior calyxes rude; the interior fleshy. *Heath-like.*
- teretifolia*. 10. G. shrubby, leaves crowded columnarish, corymbes branchy, calyxes outwardly iron-colour'd. *column-leaved.*
- * * *Shrubby goldenhair.*
- mucronatum*. G. shrubby, leaves awl'd dagger'd, calyx - scales roundish. *dagger'd.*
- Stachas*. 9. G. shrubby, leaves linear, corymbe compound, branches twiggy.
- igneifens*. 11. G. shrubby, leaves sublanced downy sessile, corymbes alternate conglobate, flowers globular. *fiery.*
- dentatum*. 12. G. shrubby, leaves wedge-form tooth'd sessile, corymbe simple. *tooth'd.*
- ferratum*. 13. G. shrubby, leaves stem-clasping lanced saw'd naked above. *saw'd.*
- patulum*. 14. G. shrubby, leaves stem-clasping spatuled, corymbes aggregate, branches expanding. *spreading.*
- petiolatum*. 15. G. shrubby, leaves egg'd most intire petioled, flowers crowded terminal. *petioled.*
- crassifolium*. 16. G. shrubby, leaves broad-lanced subpetioled leathery downy, corymbe compound, stem proliferous. *thick-leaved.*
- maritimum*. G. shrubby most branchy, leaves lanced sessile acutish: the innermost calyx-scales golden. *sea.*
- repens*. G. shrubbyish, leaves linear, stem creeping straight, branches erect most simple. *creeping.*

**** *Herbaceous golden-hair.*

- cylindricum.* 16. G. herbaceous, leaves sessile oblong downy, corymbes unqual, calyxes smooth cylindric sessile. *cylindric.*
- orientale.* 17. G. subherbaceous, leaves linear-lanced sessile, corymbe compound, peduncles elongate. *oriental.*
- arenarium.* 18. G. herbaceous, leaves lanced: inferior ones obtuse, corymbe compound, stems most simple. *sand.*
- rutilans.* 19. G. herbaceous, leaves lanced, corymbe decomposed, stem branchy beneath. *shining.*
- imbricatum.* 20. G. herbaceous: leaves lanced downy, calyx - scales reflected, stem branchy. *imbricated.*
- cymosum.* 21. G. herbaceous, leaves lanced three - nerved: smooth above, raceme terminal, stem branchy beneath. *cymed.*
- nudifolium.* 22. G. herbaceous, leaves lanced three - nerved naked net-vein'd. *naked-leaved.*
- luteo-album.* 23. G. herbaceous, leaves half-stem-clasping sword-form scollop'd obtuse pubescent on both sides, flowers conglomerated. *yellow-white.*
- pedunculare.* G. herbaceous, leaves spatuled rather stem - clasping downy underneath, calyx-scales acutish. *peduncled.*
- odoratissimum.* 24. G. herbaceous, leaves decurrent dagger'd downy on both sides flat. *most odorous.*

**** *Herbaceous Silver hair.*

- sanguincum.* 25. G. herbaceous, leaves decurrent lanced downy flat with point naked terminal. *bloody.*
- foetidum.* 26. G. herbaceous, leaves stem-clasping most intire acute downy underneath, stem branchy. *ftid.*
- undulatum.* 27. G. herbaceous, leaves subcurrent lanced waved acute downy underneath, stem branchy. *waved.*
- crispum.* 28. G. herbaceous, leaves stem-clasping spatuled downy, calyxes most obtuse plait-waved, downy at base. *curl'd.*
- helianthemifolium.* 22. G. herbaceous, leaves rather stem-clasping lanced, corymbes compound, scales of the calyxes rather plaited. *Helianthemum-leaved.*
- squarrosum.* 30. G. herbaceous, leaves sessile tongue'd downy, interior calyx-scales awld recurved. *ragged.*
- stellatum.* 31. G. herbaceous, leaves sessile lanced villous, calyxes acute fleshy without. *star.*

612. CONFEDERATE MALES. SUPERF. POLYG. Gnaph:

- obtusifolium.* 32. G. herbaceous, leaves lanced, stem downy paniced, flowers glomerate conic terminal. *obtusifolium.*
- margaritaceum.* 33. G. herbaceous, leaves linear lanced pointed alternate, stem branchy above, corymbes level-top'd. *pearl.*
- plantagineum.* 34. G. sarments procumbent, stem most simple, radical leaves egg'd most large. *plantain.*
- dioicum.* 35. G. sarments procumbent, stem most simple, corymbe simple, flowers headed. *two-house.*
- alpinum.* 36. G. sarments procumbent, stem most simple, head leafless, flowers oblong. *alpine.*
- indicum.* 37. G. herbaceous, leaves lanced, stem most branchy diffuse, corymbes unequal calyxes colour'd within. *indian.*
- purpureum.* 38. G. herbaceous, leaves lanced naked, stem erect most simple, flowers spiked lateral sessile. *purple.*

* * * * * *Filago-like.*

- sylvaticum.* 39. G. stem herbaceous most simple erect, flowers scatter'd. *wood.*
- supinum.* G. stem herbaceous simple procumbent, flowers scatter'd. *supine.*
- uliginosum.* 41. G. stem herbaceous branchy diffuse, flowers crowded terminal. *marsh.*
- glomeratum.* 40. G. stem herbaceous diffuse, calyxes with the interior scales awl'd naked; leaves rather stem-clasping. *glomerated.*

From the Supplement.

- Milleflorum.* G. flowers corymbes level-top'd red-white, calyxes subcylindric. *S.*
- crispum.* G. shrubby, leaves downy underneath rugged above: radical leaves petioled oblong; stem-leaves stem-clasping waved. *S.* *curl'd.*
- appendiculatum.* G. shrubby, leaves sessile imbricated lanced woolly appendaged at top with a parch'd membrane. *S.* *appendaged.*
- umbellatum.* G. shrubby, leaves fascicled awl'd twisted, umbels simple terminal sessile. *S.* *umbel'd.*
- hispidum.* G. shrubby, leaves linear half-columnar plough'd with furrows hispid spreading, heads terminal simple. *hispid.*
- G.

- verticillatum.* G. stem most simple, flowers verticil'd, leaves linear.
S. *verticil'd.*
- Oculus Cati.* G. herbaceous prostrate, leaves egg'd glomerate terminal most villous. S. *Cat's Eye.*
- Pilosellum.* G. herbaceous, leaves lanced five-nerved downy underneath, stem naked, flowers headed. S. *hairy.*
- denudatum.* G. silver-hair'd, leaves spatuled snowy underneath downy polish'd above. S. *naked.*
- declinatum.* G. herbaceous, leaves linear-lanced calyxes with ray white lanced. S. *declining.*
- coronatum.* G. herbaceous, leaves lanced, calyxes with ray manifold roundish. S. *crown'd.*

947. XERANTHEMUM. *Receptacle chaffy. Pappus bristly. Cal. imbricated, radiate: with ray colour'd. Everlasting.*

* *Receptacle chaffy; pappus five-bristled.*

annuum. 1. X. herbaceous, leaves lanced expanding. *annual.*

** *Receptacle naked. Pappus hairy.*

vestitum. 3. X. shrubby erect, leaves adjoin'd lance-linear callous-dagger'd at top, branches one-flower'd leafy. *cloathed.*

speciosissimum. 4. X. shrubby erect, leaves stem-clasping lanced three-nerved, flowers peduncled. *most beautiful.*

proliferum. 5. X. stem shrubby proliferous, flowers sessile leaves grain-roundish imbricated obscure. *proliferous.*

imbricatum. 6. X. stems shrubby, leaves egg'd rather downy, peduncles scaly. *imbricated.*

canescens. 7. X. shrubby, leaves imbricated egg-awl'd smooth. *hoary.*

*** *Receptacle naked, pappus feathery.*

retortum. 8. X. stems shrubby provolvute, leaves downy recurved. *retorted.*

spinosum. 9. X. calyx-scales dagger-thorn'd. *thorny.*

sesamoides. 10. X. branches one-flower'd imbricated, leaves linear. *Sesamum-like.*

virgatum. 2. X. branches one-flower'd twiggy, leaves lanced downy, peduncles nakedish. *twiggy.*

- Stæbelina*. 12. X. peduncles terminal protruded naked one-flower'd, leaves lanced downy.
- variegatum*. 13. X. flowers solitary nodding, calyx-scales obtuse spotted. *variegated.*
- paniculatum*. 11. X. flowers panicled, leaves linear-lanced. *panicled.*

From the Supplement.

- fulgidum*. X. leaves broad-lanced convolute-incumbent, flowers few. *S. fulgid.*
- stoloniferum*. X. procumbent creeping filky, leaves oblong recurve-spreading, branchlets one-flower'd. *S. stolon-bearing.*
- recurvatum*. X. leaves recurved lanced complicate-channel'd piked fringed, branchlets one-flower'd. *S. recurved.*
- paniculatum*. X. shrubby, leaves awl'd channel'd woolly piked spreading, corymbes terminal. *S. panicled.*

948. CARPESIMUM. *Receptacle* naked. *Pappus* none. *Cal.* imbricated; exterior scales reflected.

- cernuum*. 1. C. flowers terminal. *bowing.*
- abrotanoides*. 2. C. flowers lateral. *abrotanum-like.*

949. BACCHARIS. *Receptacle* naked. *Pappus* hairy. *Cal.* imbricated, cylindric. Feminine *florets* mix'd with hermaphrodite ones.

- ivaefolia*. 1. B. leaves lanced longitudinally tooth-saw'd. *iva-leaved.*
- neriifolia*. 2. B. leaves lanced saw'd above with one or two tooth-lts. *nerium-leaved.*
- arboresca*. B. leaves ellipse-lanced most intire naked petioled. *arborescent.*
- halimifolia*. 3. B. leaves inverse-egg'd end nick-notch'd above. *Halimus-leaved.*
- Dioscoridis*. 4. B. leaves broad-lanced tooth'd sessile stipuled. *of Dioscorides.*
5. B.

- indica.* 5. B. leaves inverse-egg'd toothletted petioled. *indian.*
brasiliانا. 6. B. leaves inverse-egg'd intire rugged sessile veined
 underneath. *brazilian.*
fœtida. 7. B. leaves lanced saw-tooth'd, corymbes leafy. *fetid.*

950. CONYZA. *Receptacle* naked. *Pappus* simple.
Cal. imbricated, roundish. *Cor.* of
 the ray three-cleft. *Flea-bane.*

- squarrosa.* 1. C. leaves lanced acute, stem herbaceous corymbed,
 calyxes ragged. *ragged.*
linifolia. 2. C. leaves linear-lanced most intire, corols radiate.
Flax-leaved.
sordida. C. leaves linear most intire, peduncles long three-
 flower'd, stem shrubbyish. *sordid.*
saxatilis. 3. C. leaves linear rather tooth'd, peduncles most long
 one-flower'd, stem shrubbyish. *stone.*
rupestris. 22. C. leaves spatuled rather tooth'd and shrubbyish,
 stem downy, peduncles elongate one-flower'd.
rock.
scabra. 21. C. leaves oblong rather tooth'd sessile rugged, pedun-
 cles one-flower'd elongate. *rugged.*
asteriodes. 4. C. leaves broad-lanced rather saw'd, corols radiate,
 calyxes ragged. *aster-like.*
bifrons. 7. C. leaves egg-oblong stem-clasping. *two-faced.*
lobata. 8. C. inferior leaves three-cleft; superior ones egg-
 lanced obscurely saw'd, flowers corymbed.
lobed.
bifoliata. 5. C. leaves oval tooth'd, peduncles two-leaved: bractes
 opposite. *two-leaved.*
pubigera. 20. C. leaves oblong rather tooth'd subpetioled, peduncles
 woolly mostly two-flower'd. *hair-bearing.*
tortuosa. 10. C. stem twisted shrubby, leaves egg-oblong most in-
 tire, racemes reflected. *twisted.*
Candida. 12. C. leaves egg'd downy, flowers crowded, peduncles
 lateral and terminal. *white.*
anthelmin- 11. C. leaves lance-egg'd rugged, peduncles one-flower'd
tica. calyxes ragged. *anthelmintic.*
balsamifera. 13. C. leaves lanced downy underneath: petioles also
 tooth'd. *balsam-bearing.*
cinerea. 14. C. leaves oblong, flowers panicled, corols cylindric,
 twice the length of the calyx. *ash-colour'd.*

616. CONFEDERATE MALES. SUPERF. POLYG. Cony:

- odorata*. 15. C. leaves egg'd saw'd rather downy acute, stem corymbed, corols subglobular. *odorous.*
- chinensis*. 16. C. leaves lance-egg'd reflex-saw'd downy underneath, flowers terminal collected. *china.*
- hirsuta*. 19. C. leaves oval most intire rugged shaggy underneath. *shaggy.*
- arborescens*. 18. C. leaves egg'd most intire acute downy underneath, spikes recurved one-rank'd, bractes reflected. *arborescent.*
- fruticosa*. 17. C. leaves egg'd most intire obtuse, flowers sessile alternate, branchlets winding. *shrubby.*
- virgata*. 5. C. leaves decurrent lanced sawletted, stems twiggy, flowers spiked scatter'd collected. *twiggy.*
- decurrens*. 6. C. leaves decurrent lanced sawletted, flowers axillary sessile glomerate. *decurrent.*
- aurita*. C. leaves tooth - sinuous with earlets subdecurrent. S. *ear'd.*
- canescens*. C. leaves linear, panicle level-top'd. S. *hoary.*

951. ERIGERON. *Receptacle* naked. *Pappus* hairy. *Corols* of the Ray linear, most narrow.

- viscosum*. 1. E. peduncles one-flower'd lateral, leaves lanced tooth-letted reflected at the base, calyxes ragged, corols radiate. *viscous.*
- graveolens*. 2. E. leaves sublinear most intire, lateral branches many-flower'd. *stinking.*
- glutinofum*. 18. E. leaves lanced linear hair-viscid, peduncles one-flower'd. *glutinous.*
- ficulum*. 3. E. inferiour calyx-scales loose surpassing the flower, peduncles leafy. *sicilian.*
- carolinianum* 4. E. stem paniced, flowers subsolitary terminal, leaves linear most intire. *carolina.*
- canadense*. 5. E. stem with flowers paniced shaggy, leaves lanced fringed. *canadian.*
- bonoriense* 7. E. leaves revolute at base. *Bologna.*
- jamaicense*. 6. E. stem few-flower'd subvillous, leaves wedge-form-lanced: two sawings on both sides. *jamaica.*
- philadelphicum* 8. E, stem many-flower'd, leaves lanced rather saw'd: stem-leaves half-stem-clasping, florets of the ray capillary the length of the disk. *Philadelphia.*
- egyptiacum* 17. E. leaves half-stem-clasping spatuled tooth'd, flowers globular. *egyptian.*
- E.

- Gouani.* E. flowers collected, calyxes parch'd, leaves lanced rather tooth'd rugged on the margin. *of Gouan.*
- acre.* 9. E. peduncles alternate one-flower'd. *acid.*
- alpinum.* 10. E. stem mostly two-flower'd, calyx rather shaggy, leaves obtuse villous underneath. *alpine.*
- uniflorum.* 11. E. stem one-flower'd, calyx hairy. *one-flower'd.*
- gramineum.* 12. E. stem one-flower'd, leaves linear fringed rugged. *grafs.*
- camphora-* 14. E. leaves lance-egg'd villous: sawings cartilaginous *at top.* *camphire.*
- tum.*
- tuberosum.* 15. E. leaves linear, branches one-flower'd, stem shrubbyish. *tuberous.*
- fœtidum.* 16. E. leaves lance-linear retuse, flowers corymbed. *fetid.*
- tricuneatum.* E. shrubbyish, leaves wedged three-lobed. *S. three-wedged.*
- pinnatum.* E. leaves feather-cleft tooth'd. *feather'd.*

952. TUSSILAGO. *Receptacle* naked. *Pappus* simple. *Cal.* scales equal, equalling the disk, submembranous. *Colt's foot.*

- Anandria.* 1. T. scape one-flower'd scaly erect, leaves lyre-egg'd.
- dentata.* 3. T. scape one-flower'd bractelets, leaves lanced tooth'd villous. *tooth'd.*
- nutans.* 2. T. scape one-flower'd bractelets, flower nodding, leaves lyred obtuse. *nodding.*
- alpina.* 4. T. scape one-flower'd nakedish, leaves heart-orbicular notch'd. *alpine.*
- Farfara.* 5. T. scape one-flower'd imbricated, leaves rather hearted angled toothletted.
- japonica.* 10. T. flowers alternate radiate. *japan.*
- frigida.* 6. T. thyrse level-top'd, flowers radiate. *frigid.*
- alba.* 7. T. thyrse level-top'd, feminine florets naked few. *white.*
- hybrida.* 8. T. thyrse oblong, feminine florets naked most numerous. *mule.*
- Petasites.* 9. T. thyrse egg'd, feminine florets naked few.

953. SENECEO. *Receptacle* naked. *Pappus* simple. *Cal.* cylindric, calyced: scales sphaelated at top. *Groundsel.*

* *Flowers fuscous.*

- hieracifolius.* 1. S. corols naked, leaves stem-clasping torn, stem herbaceous erect. *hieracium-leaved.*
- purpureus.* 5. S. corols naked, leaves lyred shaggy; superiour leaves lanced tooth'd. *purple.*
- persicifolius.* 3. S. corols naked, leaves lanced most intire tooth'd at the base. *peach-leaved.*
- virgatus.* 4. S. corols naked, leaves lyred downy underneath, peduncles one-flower'd; scales awl'd. *twiggy.*
- divaricata.* 2. S. corols naked, leaves lanced tooth'd rugged, branchlets flower-bearing divaricated. *divaricated.*
- Pseudo-China.* 6. S. corols naked, scape nakedish most long. *Mock-China.*
- vulgaris.* 7. S. corols naked, leaves feather-sinuuous stem-clasping, flowers scatter'd. *common.*
- arabicus.* 41. S. corols naked, leaves mostly twice-feather'd petioled polish'd. *arabian.*

** *Flowers radiate: ray revolute.*

- triflorus.* 8. S. corols revolute, leaves sessile sinuous, calyxes conic: scales least not touching. *three-flower'd.*
- egyptius.* 9. S. corols revolute, leaves stem-clasping, sinuous calyx-scales shorter intire sphaelated. *egyptian.*
- lividus.* 10. S. corols revolute, leaves stem-clasping lanced tooth'd, calyx-scales most short not touching. *livid.*
- trilobus.* 11. S. corols revolute, leaves stem-clasping, calyx-scales sphaelated torn. *three-lobed.*
- viscosus.* 12. S. corols revolute, leaves feather-cleft viscid, calyx-scales loose the length of the perianth. *viscous.*
- sylvaticus.* 13. S. corols revolute, leaves feather-cleft toothletted, stem corymbed erect. *wood.*
- nebrodensis.* 14. S. corols revolute, leaves lyred sinuous obtuse petioled; stem shaggy. *Nebrodes.*
- glaucus.* 15. S. corols revolute, leaves stem-clasping lanced obtuse tooth'd most intire. *sea-green.*
- varicosus.* 16. S. corols revolute, leaves egg'd petioled tooth'd cup-swell'd. *varicosus.*

*** *Flowers*

*** Flowers radiate: ray expanding, leaves feather-cleft.

- hastatus.* 17. S. corols radiant, petioles stem-clasping, peduncles three times longer than the leaf, leaves feather-finuious. *halberted.*
- pubigerus.* 18. S. corols radiant, radical petioles woolly, leaves runcinate, stems most simple, flowers lateral sessile. *hair-bearing.*
- elegans.* 19. S. corols radiant, leaves feather-cleft equal most expanding with margin thickening recurved. *elegant.*
- squalidus.* 20. S. corols radiant longer than the calyx intire, leaves feather-cleft: divisions linear distant. *squalid.*
- erucifolius.* 21. S. corols radiant, leaves feather-cleft tooth'd rather fhaggy, stem erect. *eruca-leaved.*
- incanus.* 22. S. corols radiant, leaves downy on both sides rather feather'd obtuse, corymbe roundish. *hoary:*
- abrotanifolius.* 23. S. corols radiant, leaves feather-many-cleft linear naked acute, peduncles mostly two-flower'd. *abrotanum-leaved.*
- canadensis.* 24. S. corols radiant, leaves all twice-feather'd linear, peduncles corymbed. *canadian.*
- Jacobæa.* 25. S. corols radiant, leaves feather-lyred: divisions jagletted, stem erect.
- aureus.* 26. S. corols radiant, leaves notch'd: the lowest hearted petioled: the superiour ones feather-cleft lyred. *golden:*
- umbellatum.* 27. S. corols radiant linear, leaves feather-toothletted divisions distant. *umbel'd.*

**** Flowers radiate: ray expanding, leaves undivided.

- linifolius.* 28. S. corols radiant, leaves linear most intire, corymbe rather scaly, stem herbaceous. *flax-leaved.*
- paludosus.* 29. S. corols radiant, leaves sword-form acutely saw'd subvillous underneath, stem upright. *marsh.*
- nemorensis.* 30. S. corols radiant eightfold, leaves lanced twice-saw'd villous underneath, stem branchy. *grove.*
- sarracenicus.* 32. S. corols radiant, flowers corymbed, leaves lanced saw'd smoothish. *sarracen.*
- Doria.* 31. S. corols radiant, flowers corymbed, leaves subdecurrent naked lanced toothletted, superiour ones gradually less.

- doronicum*. 33. S. corol radiant, stem undivided mostly one-flower'd, leaves undivided saw'd; radical leaves egg'd villous underneath.
- longifolius*. 34. S. corols radiant, leaves linear scatter'd, stem shrubby. *long-leaved.*
- lyzantinus*. 35. S. corols radiant, leaves oblong remotely tooth'd thorn-toothletted naked above, stem herbaceous.
- balimifolius*. 36. S. corols radiant, leaves inverse-egg'd fleshy tooth'd, stem shrubby. *constantinople.*
- ilicifolius*. 37. S. corols radiant, leaves arrow'd stem-clasping tooth'd stem herbaceous. *balimus-leaved.*
- rigidus*. 39. S. corols radiant, leaves stem-clasping spatuled scollop'd gnaw'd rugged, stem shrubby. *Holly-leaved.*
- populifolius*. 40. S. corols radiant, leaves egg'd spatuled intire obtuse, the more adult smooth above, stem shrubby. *rigid.*
- poplar-leaved.*

From the Supplement.

- reclinatus*. S. corols naked, leaves linear scatter'd rugged recurved, stem shrubby. S. *reclined.*
- lyratus*. S. hairy, corols radiant, lowest leaves lyred tooth'd, the highest saw'd stem-clasping: lobes murex'd on the margin. S. *lyred.*
- rosmarinifolius*. S. corols radiant, leaves linear revolute on the margin, stem shrubby. S. *rosmary-leaved.*
- angulatus*. S. corols radiant, leaves petioled egg'd tooth-angled smooth. S. *angled.*
- maritimus*. S. corols radiant, leaves stem-clasping egg'd toothletted fleshy, stem herbaceous procumbent S. *sea.*
- cernuus*. S. flowers flosculous when ripe bowing, leaves gnaw'd ear'd. S. *bowing.*
- sibiricus*. S. corols radiant five-ray'd, leaves elliptic polish'd. S. *siberian.*
- erosus*. S. corols radiant, radical leaves petioled oblong sinuous saw'd villous, stem one-flower'd nakedish. S. *gnaw'd.*
- marginatus*. S. corols radiant, leaves stem-clasping lanced smooth rather jointed margin'd, corymbe compound. S. *margin'd.*
- lanatus*. S. corols radiant, leaves sessile woolly on both sides tooth'd, the lowest egg'd, the superiour ones lanced. S. *woolly.*
- S.

- cruciatus.* S. corols radiant, leaves linear downy underneath, the inferior ones cross'd, the superior intire. S. *cross'd.*
- diffusus.* S. corols radiant, leaves twice-feather'd linear, stems diffuse. S. *diffuse.*
- juniperinus.* S. shrubby, leaves awl'd. S. *juniper.*
- alpinus.* S. corols radiant, leaves hearted lyred grossly saw'd, petioles ear'd. S. *alpine.*
- cordifolius.* S. corols radiant, leaves hearted tooth'd, calyxes most simple. S. *heart-leaved.*
- glastifolius.* S. corols radiant, leaves stem-clasping lanced rather tooth'd polish'd. S. *wood-leaved.*
- peucedanifolius.* S. corols naked, leaves feather'd thread-form. S. *Peucedanum-leaved.*

954. ASTER. *Receptacle* naked. *Pappus* simple. *Cor.* rays more than 10. *Cal.* imbricated inferior scales spreading. *Star.*

* *Shrubby.*

- taxifolius.* 2. A. shrubbyish, leaves decurrent awl'd channel'd fringed, flowers terminal. *yew-leaved.*
- reflexus.* 3. A. shrubby, leaves egg'd subimbricated recurved saw-fringed, flowers terminal. *reflected.*
- crinitus.* 4. A. shrubbyish, leaves egg-oblong acute downy underneath, calyxes terminated by a hair. *hair'd.*
- fruticulosus.* 5. A. shrubby, leaves linear dotted, peduncles one-flower'd naked. *shrubbyish.*

** *Herbaceous intire-leaved, Peduncles naked.*

- tenellus.* 6. A. leaves rather thread-form prickly-fringed, peduncles naked, calyxes hemispheric equal. *tender.*
- alpinus.* 7. A. leaves spatuled shaggy: radical leaves obtuse, stem most simple one-flower'd. *alpine.*
- sibiricus.* 8. A. leaves lanced vein'd rugged saw'd outwardly, stems striated, peduncles downy. *siberian.*
- Tripolium.* 9. A. leaves lanced most intire fleshy smooth, branches unequal, flowers corymbed.
- Anellus.* 10. A. leaves lanced obtuse rugged three-nerved intire, peduncles nakedish corymbed, calyx-scales obtuse.

divaricatus. 11. A. branches divaricated, leaves egg'd saw'd, flora leaves most intire obtusifish stem-clasping. *divaricated.*

*** *Herbaceous intire-leaved, Peduncles scaly.*

- byssopifolius*. 37. A. leaves linear most intire oblique acute rugged on the margin, peduncles nakedish. *byssop-leaved.*
- dumosus*. 12. A. leaves linear most intire, stem panicled, flowers terminal. *bush.*
- ericoides*. 13. A. leaves linear most intire, stem panicled, peduncles racemed: pedicels leafy. *heath-like.*
- tenuifolius*. 14. A. leaves sublinear most intire, peduncles leafy. *scender-leaved.*
- linariifolius*. 15. A. leaves linear most intire dagger'd rugged keel'd, peduncles leafy. *Linaria-leaved.*
- linifolius*. 16. A. leaves linear acute most intire, stem corymbed most branchy. *flax-leaved.*
- acris*. 17. A. leaves lance-linear upright most intire flat, flowers corymbed level-top'd, peduncles leafy. *acid.*
- concolor*. 18. A. leaves egg'd sessile most intire, stem most simple, raceme terminal. *same-colour'd.*
- rigidus*. 19. A. leaves linear alternate, flowers terminal solitary. *rigid.*
- novæ angliæ*. 21. A. leaves lanced alternate most intire half-stem-clasping, flowers crowded terminal, stem hispid. *new-england.*
- undulatus*. 20. A. leaves stem-clasping waved downy underneath, flowers racemed ascensing. *waved.*
- grandiflorus*. 32. A. leaves stem-clasping tongued most intire, branches one-flower'd, calyxes ragged. *great-flower'd.*

**** *Herbaceous saw-leaved, peduncles polish'd.*

- cordifolius*. 22. A. leaves hearted saw'd petioled, stem corymbed; peduncles leafless, calyxes polish'd. *heart-leaved.*
- puniceus*. 23. A. leaves half stem-clasping lanced saw'd rugged, peduncles alternate mostly one-flower'd, calyxes surpassing the disk. *scarlet.*
- annuus*. 24. A. leaves lanced: inferiour leaves notch'd, stem corymbed, peduncles naked, calyxes hemispheric. *annual.*
- vernus*. 25. A. radical leaves lanced most intire obtuse, stem nakedish thread-form rather branchy, peduncles naked. *vernal.*

***** *Her-*

***** *Herbaceous saw-leaved, Peduncles scaly.*

- indicus.* 26. A. leaves egg-oblong saw'd: floral leaves oval-lanced most intire, branchlets one-flower'd. *indian.*
- lævis.* 27. A. leaves lanced sessile polish'd rather saw'd, peduncles leafy subdivided. *polish'd.*
- mutabilis.* 28. A. leaves lanced saw'd, calyxes ragged, panicle rather level-top'd. *mutable.*
- Tradescanti.* 29. A. leaves lance-linear saw'd in the middle, peduncles leafy, stem racemed, calyxes erect. *of Tradescant.*
- novi belgii.* 30. A. leaves lanced rather saw'd sessile, stem panicled; branchlets one-flower'd solitary, calyxes ragged. *New-Holland.*
- tardiflorus.* 31. A. leaves spatule-lanced saw'd oblong: winding at the base half-stem-clasping, stems prostrate, flowers terminal. *late-flowering.*
- miser.* 33. A. leaves saw'd: leaves of the branches most intire, flowers egg'd: disk longer than the rays. *miserable.*
- macrophyl-lus.* 34. A. leaves saw'd: radical leaves most large hearted three-nerved; stem-leaves egg'd sessile. *long-leaved.*
- chinesis.* 35. A. leaves egg'd angled tooth'd petioled, stems expanding leafy terminal. *china.*
- tataricus.* A. radical leaves lance-egg'd saw'd rugged, stem few-flower'd. S. *tartarian.*

955. SOLIDAGO. *Receptacle naked. Pappus simple. Cor. rays about 5. Cal. scales imbricated, close. Golden Rod.*

- sempervirens.* 1. S. leaves lanced rather fleshy most smooth ruggedish on the margin, panicle corymbed. *ever-green.*
- canadensis.* 2. S. panicle-corymbed, racemes recurved, flowers ascending, leaves three-nerved rather saw'd rugged. *canadian.*
- altissima.* 3. S. panicle-corymbed, racemes recurved, flowers ascending, leaves nerveless saw'd. *most lofty.*
- lateriflora.* 4. S. panicle-corymbed: racemes recurved ascending, stem branchy beneath and flower-bearing. *side-flowering.*
- bicolor.* 14. S. racemes spiked, leaves rather saw'd, ray of the flower two-colour'd. *two-colour'd.*

13. S.

624. CONFEDERATE MALES. SUPERF. POLYG. Solida:

- lanceolata.* 13. S. corymbes terminal, leaves linear-lanced most intire
three-nerved. *lanced.*
- caesia.* 5. S. panicle - corymbed, racemes denser above, stem
smooth polish'd. *grey'd.*
- mexicana.* 9. S. stem oblique, peduncles erect leafy branchy, leaves
lanced most intire. *mexican.*
- flexicaulis.* 7. C. stem winding, leaves egg'd pointed saw'd, racemes
lateral simple. *winding-stem.*
- latifolia.* 8. S. stem erect, leaves egg'd pointed saw'd, racemes
lateral simple. *broad-leaved.*
- Virgaurea.* 9. S. stem rather winding angled, racemes panicled erect
crowded. *golden-rod.*
- minuta.* 10. S. stem most simple, stem leaves most intire, pedun-
cles axillary one-flower'd. *minute.*
- rigida.* 11. S. stem-leaves egg'd rugged most intire, branches al-
ternate level-top'd, corymbes terminal. *rigid.*
- noveboracensis.* 12. S. radical leaves egg-oblong petioled, stem nakedish
branchy level-top'd. *New-York.*

957. CINERARIA. *Receptacle* naked. *Pappus*
simple. *Cal.* simple, many - leaved,
equal. *Sky-Flower.*

- geifolia.* 1. C. peduncles branchy, leaves kidney-form suborbicu-
lar sublobed tooth'd petioled. *geum-leaved.*
- cymbalarifolia.* 2. C. leaves lyred: with an odd one kidney-form tooth-
letted: highest stem-leaves stem-clasping lobed
most intire. *cymbalaria-leaved.*
- sibirica.* 3. C. raceme simple, leaves hearted obtuse toothletted
polish'd, stem most simple one-leaved. *siberian.*
- glauca.* 4. C. raceme simple, leaves spatule-hearted most intire,
stem most simple. *sea-green.*
- sonchifolia.* 5. C. leaves stem-clasping sinuous different. *Sonchus-*
leaved.
- palustris.* 6. C. flowers corymbed, leaves broad-lanced tooth-sinu-
ous, stem villous. *marsh.*
- alpina.* 7. C. umbel involucred, common peduncle nakedish,
leaves oblong villous. *alpine.*
- aurea.* 8. C. flowers corymbed, leaves lanced saw'd downy un-
derneath. *golden.*
- maritima.* 9. C. flowers panicled, leaves feather-cleft downy: di-
visions sinuous, stem shrubby. *sea-*
- canadensis.* 10. C. flowers panicled, leaves feather-cleft subvillous:
divisions sinuous, stem herbaceous. *canadian.*
11. C.

- linifolia.* 11. C. peduncles one-flower'd, leaves scatter'd, stem shrubby. *flax-leaved.*
- purpurata.* C. stem mostly two-flower'd, leaves inverse-egg'd rather downy. *purple.*
- Amelloides.* 13. C. peduncles one-flower'd, leaves opposite egg'd naked, stem shrubbyish. *Amellus-like.*
- americana.* C. shrubby, panicles axillary, leaves alternate petioled broad-lanced saw'd smooth above hoary underneath. *S. american.*
- alata.* C. stem herbaceous, leaves inverse-egg'd decurrent, flowers corymbed. *S. wing'd.*
- elongata.* C. leaves rather hearted gnaw'd, peduncles most long awl-scaled. *S. elongate.*
- Cacalioides.* C. leaves columnar oblong fleshy, panicle terminal elongate few-flower'd, peduncles alternate. *S. Cacalia-like.*
- denticulata.* C. leaves lanced smooth toothletted, flowers panicled. *S. toothletted.*
- perfoliata.* C. leaves egg'd hearted stem-clasping, peduncles one-flower'd elongate. *S. leaf-pierced.*
- capillacea.* C. leaves feather'd: feathers capillary intire. *S. capillary.*
- lineata.* C. leaves lanced downy underneath saw'd at top tooth'd at base. *S. lined.*
- cordifolia.* C. panicle few-flower'd, stem-leaves petioled hearted acutely saw'd smooth, stem angled. *S. heart-leaved.*
- crispa.* C. flowers panicled, stem-leaves spatule-oblong saw'd obtuse stem-clasping broad-tooth'd at the base. *S. curl'd.*
- hastifolia.* C. leaves halberted: divisions lateral two-cleft divaricated. *S. halbert-leaved.*

956. INULA. *Receptacle* naked. *Pappus* simple. *Anthems* ending at the base in two bristles. *Elecampane.*

- Helenium.* 1. I. leaves stem-clasping egg'd wrinkled downy underneath, scales of the calyxes egg'd.
- odora.* 4. I. leaves stem-clasping tooth'd most shaggy; radical leaves egg'd; stem-leaves lanced, stem few-flower'd. *odorous.*
- Oculus Christi.* 5. I. leaves stem-clasping oblong intire shaggy, stem hairy corymbed. *Christ's Eye.*
6. I.

626. CONFEDERATE MALES. SUPERFL. POLYG. *Inula*

- britannica.* 6. I. leaves stem-clasping lanced saw'd distinct villous underneath, stem branchy erect villous. *british.*
- dysenterica.* 7. I. leaves stem-clasping heart-oblong, stem villous panicled, calyx-scales bristly. *dysenteric.*
- undulata.* 24. I. leaves stem-clasping heart-lanced waved. *waved.*
- indica.* 8. I. leaves stem-clasping heart-lanced saw'd, peduncles one-flower'd thread-form, flowers globular. *indian.*
- Pulicaria.* 9. I. leaves stem-clasping waved, stem prostrate, flowers subglobular with the ray most short. *Fleawort.*
- arabica.* 22. I. leaves oblong sessile, peduncles thread-form, calyxes cylindrical. *arabian.*
- spiraeifolia.* 10. I. leaves subsessile egg-oblong naked netted crowded sawletted, flowers terminal subsessile. *spirea-leaved.*
- squarrosa.* 14. I. leaves sessile oval polish'd net-vein'd rather notch'd, calyx ragged. *ragged.*
- salicina.* 11. I. leaves lanced recurved saw-rugged, branches angled, inferior flowers higher. *willow.*
- hirta.* 12. I. leaves sessile lanced recurved rather saw-rugged, stem columnarish somewhat hairy, inferior flowers higher. *shaggy.*
- marina.* 16. I. leaves sessile lanced rather saw'd hairy, peduncles mostly one-flower'd subviscous: leaflets linear.
- germanica.* 13. I. leaves sessile lanced recurved rugged, flowers subsessile. *german.*
- ensifolia.* 15. I. leaves sessile linear pointed nerved smooth scatter'd, stem mostly one-flower'd. *sword-leaved.*
- crithmifolia.* 17. I. leaves linear fleshy three-piked. *Sampshire-leaved.*
- provincialis.* 18. I. leaves rather saw'd downy underneath: radical leaves petioled egg'd, stem erect one-flower'd. *provincial.*
- montana.* 19. I. leaves lanced shaggy most intire, stem one-flower'd, calyx short imbricated. *mountain.*
- æstuans.* 2. I. leaves spatuled downy underneath. *burning.*
- bifrons.* 3. I. leaves decurrent oblong toothletted, flowers collected terminal subsessile. *two-faced.*
- cærulea.* I. leaves decurrent inverse-egg'd rather saw'd, stem shrubbyish, flowers sessile terminal. *blue.*
- aromatica.* 20. I. leaves linear most intire downy scatter'd, stem shrubby. *aromatic.*
- pinifolia.* 21. I. leaves awl-linear three-sided most crowded, stem shrubby. *pine-leaved.*

fætida. 22. I. leaves lance-linear most intire, corymbes branchy,
rays of the flowers most short. *fetid*.

958. *ARNICA*. *Receptacle* naked. *Pappus* simple.
Corollets of the ray with 5 filaments
without anthers.

montana. 1. A. leaves egg'd intire, stem-leaves double opposite.
mountain.

piloselloides. 2. A. leaves most intire villous, scape one-flower'd leaf-
less woolly, calyx equalling the ray. *Pilosella-like*.

scorpioides. 3. A. leaves alternate saw'd. *scorpion-like*.

maritima. 4. A. leaves lanced: inferiour leaves saw'd, stem leafy
many-flower'd. *sea*.

crocea. 5. A. leaves egg'd scillop-toothletted downy under-
neath. *jaffron*.

Gerbera. 6. A. leaves feather-cleft: lobes rounded.

coronopifolia. 7. A. leaves feather'd: divisions linear *coronopus-leaved*.

japonica. A. stem-growing pubescent, leaves feather-cleft: leaf-
lets rather foot-cleft gash'd tooth'd, panicle
terminal. *S. japan*.

959. *DORONICUM*. *Receptacle* naked, *Pappus*
simple. Scales of the *Calyx* of a double
order equal, longer than the disk.
Seeds of the Ray naked and destitute of
pappus. *Leopard's Bane*.

pardalianches. 1. D. leaves hearted obtuse toothletted: radical leaves
petioled, stem-leaves stem-clasping. *Tyger-bane*.

plantagineum. 2. D. leaves egg'd acute rather tooth'd, branches alter-
nate. *plantain*.

Bellidiastrum. 4. D. stem naked most simple one-flower'd. *Daisy-star*.

960. *PERDICIUM*. *Receptacle* naked *Pappus* sim-
ple. *Corollets* two-lip'd.

semiflosculare. 1. P. flower semiflosculous, scape one-flower'd naked.
semiflosculous.

radiale. 2. P. flowers subradiate, exterior calyx four-leaved,
stem shrubby. *radiate*.

D d

3. P.

628. CONFEDERATE MALES. SUPERF. POLYG. Perd:

brasiliense. 3. P. flowers subradiate, calyxes simple, stem herbaceous. *Braziles*.
Magellanicum. P. leaves runcinate, stem two-leaved simple one-flower'd. S. *Magellan.*

961. HELENIUM. *Receptacle* naked: of the Ray chaffy. *Pappus* 5-awn'd. *Cal.* simple many-parted. *Corollets* of the Ray half-three-cleft.

autumnale. 1. H. leaves saw'd. *autumnal.*

962. BELLIS. *Receptacle* naked, conic. *Pappus* none. *Cal.* hemispheric: scales equal. *Seeds* inverse-egg'd. *Daisy*.

perennis. 1. B. scape naked. *perennial.*
annua. 2. B. stem rather leafy. *annual.*

1322. BELLIIUM. *Receptacle* naked. *Seeds* conic with crown chaffy 8-leaved, and with *Pappus* awn'd. *Cal.* leaflets equal.

bellidioides. B. scapes naked thread-form. *daisy-like.*
minutum. B. stem leafy. *minute.*

964. TAGETES. *Receptacle* naked. *Pappus* with awns 5, erect. *Cal.* 1-leaved, 5-tooth'd, tubular. *Florets* of the ray 4, permanent.

patula. 1. T. stem subdivided spreading. *spreading.*
erecta. 2. T. stem simple erect, peduncles naked one-flower'd. *erect.*
minuta. 3. T. stem simple straight, peduncles scaly many-flower'd. *minute.*

963. LEY-

963. LEYSERA. *Receptacle* rather chaffy. *Pappus* chaffy; but of the disk feathery. *Cal.* parch'd.

gnaphalodes. 1. L. leaves scatter'd, flowers peduncled. *gnaphalium-*
like.

Callicornia. L. leaves three-faced, flowers sessile.

paleacea. 2. L. leaves three-sided callous at top recurved. *chaffy.*

974. ZINNIA. *Receptacle* chaffy. *Pappus* with awns 2, erect. *Cal.* egg-cylindric, imbricated. *Florets* of the ray 5, permanent intire.

pauciflora. 1. Z. flowers sessile. *few-flower'd.*

multiflora 2. Z. flowers peduncled. *many-flower'd.*

965. PECTIS. *Receptacle* naked. *Pappus* awn'd. *Cal.* 5-leaved, cylindric. Radiant *Florets* 5.

ciliaris. A. P. leaves linear fringed. *fringed.*

punctata. 2. P. leaves linear most intire dotted underneath. *dotted.*

linifolia. 3. P. leaves linear most intire polish'd on both sides. *flax-leaved.*

966. CHRYSANTHEMUM. *Receptacle* naked. *Pappus* margin'd. *Cal.* hemispheric, imbricated: marginal scales membranous.

* *White-flower'd.*

frutescens. 1. C. shrubby, leaves fleshy linear feather'd tooth'd three-cleft at top. *shrubby.*

serotinum. 3. C. leaves lanced saw'd above pointed at both ends. *late.*

atratum. 5. C. leaves all wedge-form oblong gash'd fleshy. *black.*

alpinum. 11. C. leaves wedge-form feather-cleft: divisions intire, stems one-flower'd. *alpine.*

630. CONFEDERATE MALES. SUPERF. POLYG. Chry:

- Leucanthemum.* 4. C. leaves stem-clasping oblong : saw'd above ; tooth'd below. *white-flower'd.*
- montanum.* 6. C. lowest leaves spatule-lanced saw'd : highest linear. *mountain.*
- graminifolium.* 7. C. leaves linear very intire. *grass-leaved.*
- montpelienfe.* 9. C. lowest leaves handed : leaflets linear feather-cleft. *montpelier.*
- Balsamita.* 8. C. leaves egg'd oblong saw'd ear'd.
- inodorum.* 10. C. leaves teather'd many-cleft, stem branchy diffuse. *inodorous.*
- achilleæ.* 22. C. leaves twice-feather'd : feather imbricated, stem upright many-flower'd.
- corymbosum.* 2. C. leaves feather'd gash-saw'd, stem many-flower'd. *corymbed.*
- * * *Golden-flower'd.*
- indicum.* 12. C. leaves simple egg'd sinuous angled saw'd acute. *indian.*
- arcticum.* 13. C. leaves simple wedge-form rather handed many-cleft obtuse. *arctic.*
- pestinatum.* 17. C. leaves feather'd linear parallel acute most intire, peduncles solitary one-flower'd. *comb.*
- segetum.* 15. C. leaves stem-clasping : jagg'd above ; tooth-saw'd beneath. *corn.*
- myconis.* 14. C. leaves tongued obtuse saw'd, calyx-scales equal. *of myco.*
- italicum.* 21. C. leaves twice-feather'd saw'd, rays of the flowers the length of the disk, stem procumbent. *italian.*
- millefoliatum.* 21. C. leaves twice-feather'd tooth'd, stem decumbent, rays of the corol shorter than the disk. *thousand-leaved.*
- bipinnatum.* 18. C. leaves twice-feather'd saw'd villous, rays shorter than the disk. *twice-feather'd.*
- coronarium.* 16. C. leaves feather'd gash'd broader outwardly. *crown.*
- foscolum.* 19. C. florets all uniform hermaphrodite. *fosculous.*
- pinnatifidum.* C. shrubby, leaves simple oblong feather-cleft : feathers saw'd. *S. feather-cleft.*

967. **MATRICARIA.** *Receptacle* naked. *Pappus* none. *Cal.* hemispheric, imbricated: marginal scales solid acutish. *Feverfew*.

- Parthenium*. 1. M. leaves compound flat: leaflets egg'd gash'd, peduncles branchy.
- maritima*. 2. M. receptacles hemispheric, leaves twice-feather'd rather fleshy: convex above, keel'd underneath.
- suaveolens*. 5. M. receptacles conic, rays deflected, calyx-scales equal on the margin. *sea.*
sweet-scented.
- Chamomilla*. 3. M. receptacles conic, rays expanding, calyx-scales equal on the margin. *Chamomile.*
- argentea*. 4. M. leaves twice-feather'd, peduncles solitary. *silver.*
- Asteroides*. 7. M. leaves lanced intire smooth oblique. *Aster-like.*

968. **COTULA.** *Receptacle* nakedish. *Pappus* margin'd. *Corollets* of the disk 4-cleft; of the ray nearly none.

- Anthemoides*. 1. C. leaves feather-many-cleft dilated, flowers flosculous. *Anthemis-like.*
- aurea*. 4. C. leaves feather-bristly many-cleft, flowers flosculous bowing. *golden.*
- stricta*. C. leaves feather-cleft flat naked dotted, stem erect upright, flowers radiate. *upright.*
- coronopifolia*. 3. C. leaves lance-linear stem-clasping tooth'd, flowers flosculous. *coronopus-leaved.*
- viscosa*. 5. C. leaves lyre-feather'd, flowers radiate. *viscous.*
- turbinata*. 6. C. receptacles inflated underneath top-shape, flowers radiate. *top-shape.*
- tanacetifolia*. 10. C. leaves three-feather'd: divisions acute, stem erect, flowers flosculous corymbed. *tansy-leaved.*
- Verbesina*. 7. C. leaves opposite three-nerved hearted notch'd, flowers radiate peduncled twofold.
- capensis*. C. leaves feather'd rather fleshy columnarish: the lowest mostly two-feather'd, flowers radiate. *cape.*
- quinquefolia*. C. stems erect, leaves five-lobed rather downy. *S. five-leaved.*

632. CONFEDERATE MALES. SUPERF. POLYG. *Cotula*.

- sericea*. C. leaves superdecompound downy linear. S. *silky*.
pilulifera. C. leaves twice-feather'd, heads globular, stem erect.
 S. *ball-bearing*.
umbellata. C. leaves lanced shaggy, stem erect, flowers umbel'd.
umbel'd.

969. ANACYCLUS. *Receptacle* chaffy. *Pappus* end-nick'd. *Seeds* with membranous fides.

- creticus*. 1. A. leaves decompound linear : divisions divided flat.
cretan.
orientalis. 2. A. leaves compound bristly acute straight. *oriental*.
aureus. A. leaves twice-feather'd columnarish hoary hollow-dotted.
golden.
valentinus. 3. A. leaves decompound linear : divisions divided columnarish acute, flowers flosculous. *valentine*.

970. ANTHEMIS. *Receptacle* chaffy. *Pappus* none. *Cal.* hemispheric, subequal. *Forets* of the ray more than 5. *Camomile*.

* *Ray* discolour'd or white.

- Cota*. 1. A. chaff of the flowers rigid pungent.
altissima. 2. A. erect, leaves feather'd : bases of the feathers rough with a reflected toothlet. *highest*.
maritima. 3. A. leaves feather'd toothletted fleshy naked dotted, stem prostrate, calyxes rather downy. *sea*.
tomentosa. 4. A. leaves feather-cleft obtuse flat, peduncles shaggy leafy, calyxes downy. *downy*.
mixta. 5. A. leaves simple tooth-jagg'd. *mix'd*.
alpina. 9. A. leaves tooth-feather'd most intire linear, stem villous one-flower'd, petals egg'd chaff spacelated. *alpine*.
chia. 6. A. leaves feather-cleft jagg'd, peduncles naked subvillous. *chion*.
nobilis. 7. A. leaves feather-compound linear acute subvillous. *noble*.
arvensis. 8. A. receptacles conic : chaff bristly, seeds crown-margin'd. *field*.
 10. A.

Cotula. 10. A. receptacles conic: chaff bristly, seeds naked
May-weed.

Pyrethrum. 13. A. stems simple one-flower'd decumbent, leaves
feather-many-cleft.

* * *Ray same-colour'd or yellow:*

valentina. 14. A. stem branchy, leaves pubescent thrice-feather'd
bristly, calyxes villous peduncled. *valentine.*

repanda. 15. A. leaves simple egg-lanced scollop-notch'd. *scollop'd.*

americana. 13. A. leaves three-times-thrice-three'd, peduncles termi-
nal longer than the branch. *american.*

tinctoria. 16. A. leaves twice-feather'd saw'd downy underneath,
stem corymbed. *dyers.*

arabica. 17. A. stem decomposed, calyxes branch-bearing.
arabian.

Americana. A. leaves opposite petioled egg'd saw'd three-nerved,
receptacle conic. *S. american.*

971. ACHILLEA. *Receptacle chaffy. Pappus*
none. Cal. egg'd, imbricated. Florets
of the ray about 4. Milfoil.

* *Corols yellow.*

Santolina. 1. A. leaves bristly tooth'd: toothlets nearly intireawl'd
reflected.

Ageratum. 2. A. leaves lanced obtuse acutely saw'd.

falcata. 3. A. leaves linear tooth'd obtuse flat: toothlets notch'd.
sickled.

tomentosa. 4. A. leaves feather'd shaggy: feathers linear tooth'd.
downy.

pubescens. 5. A. leaves feather'd: leaflets lanced gash'd saw'd wool-
bearing underneath. *pubescent.*

abrotanifolia. 6. A. leaves feather'd superdecomposed: divisions linear
distant. *abrotanum-leaved.*

bipinnata. 7. A. leaves twice-feather'd downy: leaflets egg'd intire.
twice-feather'd.

egyptiaca. 8. A. leaves feather'd: leaflets obtusely lanced saw-tooth'd
egyptian.

* * *Corols white in the Ray.*

macrophylla. 10. A. leaves feather'd flat gash-saw'd: the outmost larger
coadjoin'd. *long-leaved.*

11. A.

634. CONFEDERATE MALES. SUPERF. POLYG. Achil:

- impatiens*. 11. A. leaves feather'd : feathers distant linear-lanced acute from the base upwards. *impatient.*
- Clavennæ*. 12. A. leaves jagg'd flat obtuse downy.
- Ptarmica*. 13. A. leaves lanced pointed sharply saw'd. *sneeze-wort.*
- alpina*. 14. A. leaves lanced tooth-saw'd ; toothlets most finely saw'd. *alpine.*
- atrata*. 15. A. leaves with featherlets comb'd intirish, peduncles villous. *black.*
- nana*. 16. A. leaves feather'd tooth'd most shaggy, flowers glo-merate-umbel'd. *dwarf.*
- magna*. 17. A. leaves twice-feather'd rather hairy : divisions linear tooth'd : carlets decussated. *large.*
- Millefolium*. 18. A. leaves twice-feather'd naked : divisions linear tooth'd, stems furrow'd above. *Milfoil.*
- nobilis*. 19. A. leaves twice-feather'd : inferiour leaves naked flat, superiour obtuse downy, corymbes convex most crowded. *noble.*
- odorata*. 20. A. leaves twice-feather'd oval nakedish, corymbes level-top'd crowded. *odorous.*
- cretica*. 21. A. leaves linear : feathers roundish imbricated backwards, stem downy. *cretan.*

972. TRIDAX. *Receptacle* chaffy. *Pappus* many-ray'd simple. *Cal.* imbricated, cylindrical. *Corollets* of the ray 3-parted.

procumbens. 1. TRIDAX.

procumbent.

978. AMELLUS. *Receptacle* chaffy. *Pappus* simple. *Cal.* imbricated. *Corollets* of the Ray undivided.

- lychnitis*. 1. A. leaves opposite lanced obtuse downy, peduncles one-flower'd
- umbellatus*. 2. A. leaves opposite triple-nerved downy underneath, flowers umbel'd. *umbel'd.*

1321. ECLIPTA. *Receptacle* chaffy. *Pappus* none.
Corollets of the disk 4-cleft.

- erecta.* E. stem erect, leaves deflected at the base sessile. *erect.*
prostrata. E. stem prostrate, leaves rather waved subpetioled.
latifolia. E. stem erect, leaves egg'd petioled. S. *broad-leaved.*

973. SIGESBECKIA. *Receptacle* chaffy. *Pappus* none. Exteriour *Calyx* 5-leaved, the proper one expanding. *Ray* halved.

- orientalis.* 1. S. petioles sessile, exteriour calyxes linear greater expanding. *oriental.*
occidentalis. 2. S. petioles decurrent, calyxes naked. *occidental.*

975. VERBESINA. *Receptacle* chaffy. *Pappus* awn'd. *Cal.* in double order. *Florets* of the ray about 5:

- alata.* 1. V. leaves alternate decurrent waved obtuse. *wing'd.*
chinensis. 2. V. leaves alternate petioled egg-lanced saw'd. *china.*
virginica. 3. V. leaves alternate lanced petioled, flowers corymbed. *virginian.*
Lavenia. 8. V. leaves opposite egg'd three-nerved smooth petioled, feeds three-horn'd.
biflora. 9. V. leaves opposite oblong-egg'd triple-nerved pointed saw'd, peduncles double two-flower'd. *two-flower'd.*
calendulacea. 12. V. leaves opposite lanced obtusish, peduncles long one-flower'd, calyxes simple. *marigold.*
nodiflora. 7. V. leaves opposite egg'd saw'd, calyxes oblong sessile, on the stem lateral. *knot-flowering.*
fruticosa. 6. V. leaves opposite egg'd saw'd petioled, stem shrubby. *shrubby.*
Bosvallea. V. leaves many-cleft-capillary, stems prostrate, florets sixfold, feminine one single. S

977. BUPHTHALMUM. *Receptacle* chaffy. *Pappus* margin obscure. Sides of the *Seeds*, especially of the ray, margin'd. *Stigma* of the hermaphrodite florets undivided. *Ox-eye*.

* *Asteriscus* of *Tournefort*.

- Frutescens*. 1. B. leaves opposite lanced, petioles two-tooth'd, stem shrubby. *shrubby*.
- arborescens*. 2. B. leaves opposite lanced downy on both sides toothless most intire, stem shrubby. *arborescent*.
- fruticosum*. 4. B. calyxes acutely leafy, leaves alternate lanced stem-clasping most intire. *thorny*.
- aquaticum*. 5. B. calyxes obtusely leafy sessile axillary, leaves alternate oblong obtuse, stem herbaceous. *aquatic*.
- maritimum*. 6. B. calyxes obtusely leafy peduncled, leaves alternate spatulcd, stem herbaceous. *sea*.
- durum*. 9. B. leaves alternate lanced most intire, stem shrubby-hard. *hard*.

** *Asteroides* of *Tournefort*.

- salicifolium*. 7. B. leaves alternate lanced rather saw'd villous, calyxes naked, stem herbaceous. *willow-leaved*.
- grandiflorum*. 8. B. leaves alternate lanced rather toothletted smooth, calyxes naked, stem herbaceous. *great-flower'd*.
- speciosissimum*. 11. B. leaves alternate stem-clasping egg'd naked saw'd rather fringed, stem one-flower'd. *most beautiful*.
- Helianthoides*. 10. B. leaves opposite egg'd saw'd triple-nerved, calyxes leafy, stem herbaceous. *sun-flower-like*.
- sericeum*. B. leaves opposite most approximated spatule-oblong silky, calyx-scales bristly shaggy, stem arborecent. *S. silky*.

1420. UNXIA. *Receptacle* naked, flat. *Pappus* none, *Cal.* 5-leaved: *leaflets* egg'd. *Flowers* of the ray and disk five. *S.*

camphorata. UNXIA, *camphor*.

1421. MUTISIA. *Receptacle* naked. *Pappus* feathery. *Calyx* cylindric, imbricated. *Corollets of the ray* oval-oblong; of the *disk* three-cleft. S.

Clematis. MUTISIA.

FRUSTRANEOUS POLYGAMY.

(*Polygamia frustranea.*)

979. HELIANTHUS. *Receptacle* chaffy flat. *Pappus* 2-leaved. *Cal.* imbricated rather ragged. *Sun-flower.*

- | | | | |
|------------------------------------|-----|---|-----------------------|
| <i>annuus.</i> | 1. | H. leaves all hearted three-nerved, peduncles thick-en'd, flowers bowing. | <i>annual.</i> |
| <i>indicus.</i> | | H. leaves all hearted three-nerved, peduncles equal, calyxes leafy. | <i>indian.</i> |
| <i>multiflorus.</i> | 2. | H. inferiour leaves hearted three-nerved: superiour ones egg'd. | <i>many-flower'd.</i> |
| <i>tuberosus.</i> | 3. | H. leaves egg-hearted triple-nerved. | <i>tuberous.</i> |
| <i>decapetalus.</i> | 5. | H. stem polish'd beneath, leaves lance-hearted triple-nerved, rays ten-petal'd, peduncles ragged. | <i>ten-petal'd.</i> |
| <i>frondosus.</i> | 4. | H. calyxes ragged waved leafy; rays eight-petal'd, leaves egg'd, stem ragged below. | <i>leafy.</i> |
| <i>strumosus.</i> | 6. | H. root spindle-form. | <i>strumous.</i> |
| <i>giganteus.</i> | 8. | H. leaves alternate lanced rugged fringed at the base, stem upright rugged. | <i>giant.</i> |
| <i>altissimus.</i> | 7. | H. leaves alternate broadishly lanced rugged, petioles fringed, stem upright smooth. | <i>highest.</i> |
| <i>lævis.</i> | 9. | H. leaves opposite three-nerved lanced saw'd polish'd, stem and peduncles smooth. | <i>polish'd.</i> |
| <i>angustifoli-</i> | 10. | H. leaves alternate linear. | <i>narrow-leaved.</i> |
| <i>125.</i>
<i>divaricatus.</i> | 11. | H. leaves opposite sessile egg-oblong three-nerved, panicle two-fork'd. | <i>divaricated.</i> |

638. CONFEDERATE MALES. FRUST. POLYG. Helian:

atrорubens. 12. H. leaves opposite spatuled notch'd triple-nerved rugged, calyx-scales erect the length of the disk.
black-blushing.

980. RUDBECKIA. *Receptacle* chaffy, conic. *Pappus* with margin 4-tooth'd. *Cal.* with a double order of scales.

- laciniata*. 1. R. leaves compound jagg'd. *jagg'd.*
triloba. 2. R. leaves spatuled: the inferiour leaves three-lobed, the superiour undivided. *three-lobed.*
hirta. 3. R. leaves undivided spatule-egg'd, petals of the ray end-nick'd. *shaggy.*
purpurea. 4. R. leaves lance-egg'd alternate undivided, petals of the ray two-cleft. *purple.*
oppositifolia. 5. R. leaves opposite lance-egg'd saw'd, petals of the ray two-cleft. *opposite-leaved.*
angustifolia. 6. R. leaves opposite linear most intire. *narrow-leaved.*

981. COREOPSIS. *Receptacle* chaffy. *Pappus* two-horn'd. *Cal.* erect, many-leaved, girt at the base with expanding rays. *Tickseed.*

- verticillata*. 1. C. leaves decompound-feather'd linear. *verticil'd.*
coronata. 2. C. leaves feather'd saw'd lined smooth. *crown'd.*
leucantha. 6. C. leaves feather'd saw'd, ray of the flowers divers-colour'd. *white-flower'd.*
chrysantha. 5. C. leaves three'd egg-oblong saw'd, ray of the flowers same-colour'd. *gold-flower'd.*
tripteris. 9. C. leaves mostly three'd most intire. *three-wing'd.*
alba. 8. C. leaves mostly three'd wedged saw'd. *white.*
reptans. 3. C. leaves saw'd egg'd: the highest three'd, stem creeping, *creeping.*
auriculata. 7. C. leaves most intire egg'd: inferiour leaves three'd. *ear'd.*
lanceolata. 10. C. leaves lanced most intire fringed. *lanced.*
Bidens. 4. C. leaves lanced saw'd opposite stem-clasping.
alternifolia. 11. C. leaves lanced saw'd alternate petioled decurrent. *alternate-leaved.*
bacata C. leaves egg'd saw'd, seeds berry-form. S. *berry.*

983. OSMITES. *Receptacle* chaffy. *Pappus* obscure. *Corollets* of the ray ligulate. *Cal.* imbricated, parch'd.

- Bellidiastrum*. 1. O. leaves linear fleshy, stems parch'd.
camphorina. 2. O. leaves lanced rather saw'd tooth at the base. *camphor.*
Asteriscoides. 3. O. leaves lanced dotted, stems leafy. *asteriscus-like.*
calycina. O. leaves lanced naked, calyxes parch'd. S. *calyx'd.*

981. GORTERIA. *Receptacle* naked. *Pappus* woolly. *Corollets* of the ray ligulate. *Cal.* imbricated with thorny scales.

- personata*. 1. G. leaves lanced intire and sinuous, stem erect, flowers peduncled. *mask'd.*
rigens. 2. G. scapes one-flower'd, leaves lanced feather-cleft, stem depress'd. *stiff.*
squarrosa. 3. G. leaves lanced decurrent adjoin'd fringe-thornletted, flowers sessile. *ragged.*
setosa. G. leaves lanced decurrent adjoin'd fringe-thorny, flowers terminal. *bristly.*
ciliaris. 4. G. leaves imbricated two ways fringed; exterior fringes and terminal thorn reflected. *fringed.*
Asteroides. G. leaves elliptic: sawings bristly. S. *Aster-like.*
herbacea. G. stem-leaves stem-clasping fringed, radical leaves unarm'd villous underneath. S. *herbaceous.*
hispida. G. leaves oblong fringe-thorny erect smooth, calyxes intire terminated with a thorn. S. *hispid.*
spinosa. G. leaves oblong sessile tooth-thorny expanding smooth, calyxes fringe-thorny, flowers erect. S. *thorny.*
cernua. G. leaves oblong stem-clasping tooth-thorny expanding smooth, calyxes fringe-saw'd flowers bowing. S. *bowing.*
uniflora. G. stems one-flower'd depress'd, leaves lanced undivided downy underneath. S. *one-flower'd.*
barbata. G. leaves ellipse-lanced tooth-awn'd, calyxes peduncled fringe-bristly. S. *bearded.*

1271. ZOEGEA. *Receptacle* bristly. *Pappus* bristly.
Cor. of the ray ligulate. *Cal.* imbricated.

capensis. Z. leaves linear, calyx smooth gibbous at the base. *S.*
Leptaurea. Z. leaves oblong, calyx shaggy bell'd. *S.* *cape.*

984. CENTAUREA. *Receptacle* bristly. *Pappus* simple. *Cor.* of the ray funnel-form, longer, irregular.

* *Jaceas* : with calyxes polish'd unarm'd.

- Grupina.* 1. C. calyxes unarm'd ; scales lanced, leaves feather'd saw'd rather fringed.
moschata. 2. C. calyxes unarm'd roundish smooth : scales egg'd, leaves lyre-tooth'd. *musk.*
erucifolia. 3. C. calyxes unarm'd : scales lanced, leaves lanced rather tooth'd. *cruca-leaved.*
Lippii. 4. C. calyxes unarm'd : scales dagger'd, leaves subdecurrent lyre-tooth'd. *of Lippius.*
alpina. 6. C. calyxes unarm'd : scales egg'd obtuse, leaves feather'd smooth most intire : with an odd one saw'd. *alpine.*
Centaureum. 7. C. calyxes unarm'd : scales egg'd, leaves feather'd : leaflets saw'd decurrent.

** *Cyanuses* : with calyx-scales saw-fringed.

- phrygia.* 8. C. calyxes recurve-feather'd, leaves undivided oblong rugged. *phrygian.*
capillata. 10. C. calyxes recurve-feather'd, lowest leaves feather'd tooth'd : highest lanced. *capillary.*
uniflora. 62. C. calyx recurve-feather'd, leaves lanced rather tooth'd downy. *one-flower'd.*
linifolia. 63. C. calyxes recurve-feather'd, leaves linear scatter'd. *Flax-leaved.*
peclinata. 9. C. calyxes recurve-feather'd : leaves lyred toothletted ; branch-leaves lanced most intire. *comb.*
nigra. 11. C. calyxes fringed : scalelet egg'd : fringes capillary erect, leaves lyre-angled, flowers flosculous. *black.*
12. C.

- pullata*. 12. C. calyxes fringed verticil-leafy, leaves lyred tooth'd obtuse. *fad-colour'd.*
- montana*. 13. C. calyxes saw'd, leaves lanced decurrent, stem most simple. *mountain.*
- Cyanus*. 14. C. calyxes saw'd, leaves linear most intire: lowest leaves tooth'd. *blue-bottle.*
- paniculata*. 15. C. calyxes fringed: scales flat, leaves twice-feather'd: branch-leaves feather-cleft linear, stem panicled. *panicled.*
- spinosa*. 16. C. calyx rather fringed, branches thorny. *thorny.*
- ragusma*. 17. C. calyxes fringed, leaves downy feather-cleft: leaflets obtuse egg'd most intire: exterior ones larger. *ragusine.*
- cineraria*. 18. C. calyxes fringed terminal-seffile, leaves downy twice-feather-cleft: lobes acute. *ash-colour'd.*
- argentea*. 19. C. calyxes saw'd, leaves downy: radical leaves feather-cleft: leaflets earless. *silver.*
- sibirica*. 20. C. calyxes fringed, leaves downy undivided and feather-cleft most intire, stem declining. *siberian.*
- Jempervirens*. 21. C. calyxes fringed, leaves lanced saw'd: substipuled with the lowest tooth; the inferior leaves halberted. *ever-green.*
- Scabisfa*. 22. C. calyxes fringed, leaves feather-cleft: feathers lanced. *Scabious.*
- Stoebe*. 24. C. calyxes fringed oblong, leaves feather-cleft linear most intire.
- acaulis*. 25. C. calyxes fringed, leaves lyred: stem nearly none. *stemless.*
- tatarica*. C. calyxes fringed, leaves feather'd. feathers lanced undivided. *S. tartarian.*

*** *Rhaponticums*: with calyx-scales dry parch'd.

- orientalis*. 23. C. calyxes parch'd fringed, leaves feather-cleft: feathers lanced. *oriental.*
- Behen*. 26. C. calyxes parch'd, radical leaves lyred: lobes opposite; stem-leaves stem-clasping.
- repens*. 28. C. calyxes parch'd, leaves lanced subpetioled tooth'd, peduncles thread-form leafless. *creeping.*
- Jacea*. 29. C. calyxes parch'd torn, leaves lanced: radical leaves sinuous tooth'd: branches angled. *knap-wood.*
- amara*. 27. C. calyxes parch'd, leaves lanced most intire, stems decumbent. *bitter.*

642. CONFEDERATE MALES. FRUSTR. POLYG. Cent:

- alba.* 30. C. calyxes parch'd intire dagger'd, leaves feather-tooth'd : stem-leaves linear tooth'd at the base. *white.*
- splendens.* 31. C. calyxes parch'd obtuse, radical leaves twice-feather-cleft : stem-leaves feather'd : teeth lanced. *splendent.*
- Rhapontica.* 32. C. calyxes parch'd, leaves egg-oblong toothletted intire petioled : downy underneath.
- babylonica.* C. calyxes parch'd, leaves rather downy decurrent undivided : radical leaves lyred. *Babylon.*
- glastifolia.* 33. C. calyxes parch'd, leaves undivided most intire decurrent. *wood-leaved.*
- conifera.* 34. C. calyxes parch'd, leaves downy : radical leaves lanced : stem-leaves feather-cleft, stem simple. *cone-bearing.*

*** Stoces : *with calyx-thorns handed.*

- sonchifolia.* 35. C. calyxes hand-thorny, leaves subdecurrent thornletted scollop-tooth'd. *sonchus-leaved.*
- seridis.* 36. C. calyxes hand-thorny ; leaves decurrent downy oblong : lowest sinuous-tooth'd.
- romana.* 37. C. calyxes hand-thorny, leaves decurrent unarm'd : radical leaves feather-cleft : with an odd one most large. *roman.*
- sphaerocephala.* 38. C. calyxes hand-thorny, leaves egg-lanced petioled tooth'd. *sphere-headed.*
- Isnardi.* 39. C. calyxes hand-thorny, leaves lyre-tooth'd hispid rather stem-clasping, flowers sessile terminal. *of Isnard.*
- napifolia.* 40. C. calyxes hand-thorny : leaves decurrent sinuous thornletted : radical ones lyred. *napus-leaved.*
- aspera.* 41. C. calyxes hand-three-thorn'd, leaves lanced tooth'd. *rough.*

*** Calcitrapas : *with calyx-thorns compound.*

- Benedicta.* 42. C. calyxes double-thorn'd woolly involucred, leaves semidecurrent toothlet-thorny. *blessed.*
- eriophora.* 43. C. calyxes double-thorny woolly, leaves semidecurrent intire and sinuous, stem proliferous. *wool-bearing.*
- ægyptiaca.* 64. C. calyxes double-thorn'd rather woolly, leaves sessile lanced intire and tooth'd, stem proliferous. *ægyptian.*

- Calcitrapa*. 44. C. calyxes rather double-thorn'd sessile, leaves feather-cleft linear tooth'd, stem hairy.
- Calcitrapo-* 45. C. calyxes rather double-thorn'd, leaves stem-clasping
ides. lanced undivided saw'd. *Calcitrapa-like*.
- sojstialis*. 46. C. calyxes double-thorn'd solitary, branch-leaves
decurrent unarm'd lanced, radical ones lyre-
feather-cleft. *sojstial*.
- melitense*. 47. C. calyxes double-thorn'd crowded terminal, leaves
decurrent lanced sinuous unarm'd. *Melita*.
- ficula*. 48. C. calyxes fringe-thorny terminal, leaves decurrent
lyred unarm'd hoary. *sicilian*.
- centauro-* 39. C. calyxes fringed thorny, leaves lyre-feather'd most
ides. intire: with an odd division larger. *Centaurea-*
like.
- collini*. 51. C. calyxes fringed unarm'd thorny, radical leaves
twice-feather-cleft, stem acute-angled. *hill*.
- rupestris*. 50. C. calyxes fringed thorny, leaves twice-feather'd
linear. *rock*.
- ***** *Crocodilium-like: with thorns simple.*
- Verutum*. 52. C. calyxes most simply thorn'd: teeth two opposite,
leaves lanced intire decurrent.
- salmantica*. 54. C. calyxes smooth with a bristle rather thorny pro-
truded, leaves lyre-runcinate saw'd. *salmantic*.
- cichoracea*. 53. C. calyxes bristle-thorny, leaves decurrent undivided
saw-thorny. *succory*.
- muricata*. 55. C. calyxes most simply thorn'd, inferiour leaves fea-
ther-cleft; superiour ones lanced, peduncles
most long. *murex'd*.
- peregrina*. 56. C. calyxes bristle-thorn'd, leaves lanced petioled:
tooth'd below. *foreign*.
- radiata*. C. calyxes nearly unarm'd rather awn'd radiate, leaves
feather-cleft. *radiate*.
- nudicaulis*. 58. C. calyxes bristle-thorn'd: leaves undivided: superi-
our leaves rather tooth'd, stem nakedish one-
flower'd simple. *naked-stem*.
- Crocodilium*. 57. C. calyxes parch'd most simply thorn'd, leaves feather-
cleft most intire: outmost division larger tooth'd.
crocodile.
- pumila*. 59. C. calyxes most simply thorn'd, leaves tooth-feather'd
villous, stem none. *dwarf*.
- tingitana*. 60. C. calyxes thorny on the margin, leaves lanced undi-
vided saw-thornyish. *Tangiers*.
- galactites*. 61. C. calyxes bristle-thorn'd, leaves decurrent sinuous
thorny downy underneath. *milk*.

NECESSARY POLYGAMY,

(*Polygama Necessaria.*)

985. MILLERIA. *Receptacle* none. *Pappus* none.
Cal. 3-valved. *Ray* of the corol
 halved.

buinqueflora. 1. M. leaves hearted, peduncles two fork'd. *five-flower'd.*
biflora. 2. M. leaves egg'd, peduncles most simple. *two-flower'd.*

1323. BALTIMORA. *Receptacle* chaffy. *Pappus*
 none: *Cal.* cylindric, many-leaved.
Ray of the corol 5-flower'd.

reeta. BALTIMORA. *Straight:*

986. SILPHIUM. *Receptacle* chaffy. *Pappus* mar-
 gin-two-horn'd. *Cal.* ragged.

laciniatum. 1. S. leaves alternate feather-sinuous. *jagg'd.*
perfoliatum. 2. S. leaves opposite delta-like petioled leaf-pierced, stem
 four-corner'd polish'd. *leaf-pierced.*
connatum. S. leaves opposite sessile leaf-pierced, stem columnar
 rugged. *conjoin'd.*
Asteriscus. 3. S. leaves undivided sessile opposite; the inferiour ones
 alternate.
solidaginio- 4. S. leaves opposite petioled lanced acutely saw'd.
ides. *Golden rod-like.*
trifoliatum. 5. S. leaves three-fold. *three-leaved.*
trilobatum. c. S. leaves opposite sessile wedge-form. *three-lobed.*
terebinthinaceum. S. leaves alternate egg'd saw'd rugged: radical leaves
 hearted. S. *turpentine.*

987. POLYMNIA. *Receptacle* chaffy, *Pappus* none. *Exteriour Cal.* 4 or 5-leaved: the *interiour* 10-leaved with leaflets concave. (*Tetragonotheca* 976.)

- canadensis.* 1. P. leaves alternate halbert-sinuuous. *canadian.*
Uvedalia. 2. P. leaves opposite halbert-sinuuous.
Tetragono- P. leaves opposite spatuled rather tooth'd.
theca.
Wedelia. P. leaves lanced, stem shrubby.
abyssinica. P. leaves opposite lanced sessile. S. *abyssinian.*
spinosa. P. shrubby erect, leaves egg-hearted, opposite sessile,
 prickles superaxillary, calyxes intire. S. *thorny.*
carnosa. P. shrubby decumbent, leaves alternate oblong fleshy,
 calyxes saw'd. S. *fleshy.*

988. CHRYSOGONUM. *Receptacle* chaffy. *Pappus* 1-leaved, 3-tooth'd. *Cal.* 5-leaved. *Seeds* involved in a 4-leaved calycle.

- Virginian-* 1. C. petioles larger than the leaf. *virginian.*
um.

989. MELAMPODIUM. *Receptacle* chaffy, conic. *Pappus* 1-leaved. *Cal.* 5-leaved.

- americana.* 1. M. stem erect, leaves sublinear one-tooth'd on both
 sides. *american.*
australe. 2. M. stem decumbent, leaves egg'd saw'd. *southern.*

990. CALENDULA. *Receptacle* naked. *Pappus* none. *Cal.* many-leaved, equal. *Seeds* of the Disk membranous. *Mari-*
gold.

- arvensis.* 1. C. seeds boat-form murrex'd incurved: the outmost
 ones erect protruded. *field.*
sancta. 2. C. seeds pitcher'd inverse-egg'd polish'd, calyxes sub-
 murex'd. *holy.*

- afficialis.* 3. C. seeds boat-form murex'd all incurved. *afficial.*
pluvialis. 4. C. leaves lanced sinuous-toothletted, stem leafy, peduncles thread-form. *pluvial.*
hybrida. 5. C. leaves lanced tooth'd, stem leafy, peduncles thicken'd above. *mule.*
nudicaulis. 6. C. leaves lanced sinuous-tooth'd stem nakedish. *naked-stem.*
graminifolia. 7. C. leaves linear very intire, stem nakedish. *grass-leaved.*
fruticosa. 8. C. leaves inverse-egg'd rather tooth'd, stem shrubby decumbent. *shrubby.*
tomentosa. C. leaves inverse-egg'd intire downy, stem naked one-flower'd. S. *naked downy.*

991. ARCTOTIS. *Receptacle* villous or chaffy. *Pappus* with Crown five-leaved. *Cal.* imbricated: with scales parch'd at top.

* *Receptacle* villous.

- calendulacca.* A. radiant florets barren, leaves runcinate rather downy. *marygold.*
a. A. radiant florets barren twelve-fold nearly intire. 3.
hypochondriaca. b. A. radiant florets barren three-cleft, the middle inflected. *hypochondrical.*
tristis. c. A. radiant florets barren four-parted. *sorrowful.*
coruscans. d. A. radiant florets barren three-parted: the exterior three-cleft. *glittering.*
superba. e. A. radiant florets barren five-parted. 1. *superb.*
plantaginea. 5. A. radiant florets fertile, leaves lance-egg'd nerved toothletted stem-clasping. *plantain.*
angustifolia. 6. A. radiant florets fertile, stems creeping cobweb-like, leaves lyred two-tooth'd on both sides. *narrow-leaved.*
aspera. 7. A. radiant florets fertile, leaves feather-sinuous villous: divisions oblong tooth'd. *rough.*

** *Receptacle* chaffy.

- paradoxa.* 8. A. radiant florets barren, chaff colour'd longer than the disk, leaves twice-feather'd linear. *paradoxical.*

- palacea*. 9. A. radiant florets barren, chaff equalling the florets of the disk, leaves feather'd linear. *chaffy*.
- dentata*. 11. A. radiant florets barren, leaves feather'd: feathers feather-cleft-tooth'd. *tooth'd*.
- anthemoides*. 10. A. chaff shorter than the floret, leaves superdecupound linear. *anthemis-like*.
- tenuifolia*. A. radiant florets barren? leaves linear undivided smooth. *slender-leaved*.
- acaulis*. 4. A. peduncles radical, leaves lyred. *stemless*.
- ferrata*. A. radiant florets barren, leaves lanced undivided tooth-saw'd. S. *saw'd*.
- tenuifolia*. A. florets of the ray barren, leaves linear undivided naked. S. *slender-leaved*.

992. **OSTEOSPERMUM.** *Receptacle* naked.
Pappus none. *Cal.* many-leaved.
Seeds globular, colour'd, bony. *Bone-seed*.

- spinosum*. 3. O. thorns branchy. *thorny*.
- pisiferum*. 1. O. leaves lanced dagger'd subpetioled smooth saw'd, branchlets tooth-angled. *pea-bearing*.
- moniliferum*. 4. O. leaves inverse-egg'd saw'd petioled subdecurrent. *necklace-bearing*.
- ilicifolium*. 2. O. leaves oblong tooth-angled rugged half-stem-clasping, branches furrow'd. *holly-leaved*.
- ciliatum*. O. leaves ellipse-lanced notch'd fringed. *fringed*.
- junceum*. O. leaves linear acute keel'd distant, panicle terminal. *rush*.
- corymbosum*. O. leaves lanced smooth, flowers panicled. *corymbed*.
- imbricatum*. O. leaves egg'd obtuse imbricated. *imbricated*.
- polygaloides*. 5. O. leaves lanced scatter'd decurrent smooth most intricate, axils woolly. *milk-wort-like*.
- triquetrum*. O. leaves linear three-sided. S. *three-sided*.
- herbaceum*. O. leaves subsessile egg'd spatuled saw'd, stem herbaceous. *herbaceous*.
- Arctotoides*. O. leaves petioled lyred, petioles ear'd at the base half-stem-clasping downy. S. *arctotis-like*.
- niveum*. O. leaves petioled egg'd tooth'd woolly. S. *snowy*.
- perfoliatum*. O. leaves petioled egg'd angle-tooth'd downy underneath, petioles leaf-pierce-stem-clasping. S. *leaf-pierced*.
- calendulaceum*. O. leaves lanced sessile tooth'd rugged, stem fleshy loose. S. *marygold*.

993. OTHONNA. *Receptacle* naked. *Pappus* nearly none. *Cal.* 1-leaved, many-cleft, subcylindric.

- bulbosa.* 1. O. leaves oblong naked petioled, stem herbaceous, peduncles one flower'd most long. *bulbous.*
- Tagetes.* 2. O. leaves linear feather'd rather tooth'd.
- pellinata.* 3. O. leaves feather-cleft: divisions linear parallel. *comb.*
- abrotanifolia.* 4. O. leaves many-cleft-feather'd linear, stems knotted villous. *abrotanum-leaved.*
- coronopifolia.* 5. O. lowest leaves lanced most intire: superiour ones sinus-tooth'd. *coronopus-leaved.*
- cheirifolia.* 6. O. leaves lanced three-nerved most-intire, stem shrubbyish creeping. *cheiri-leaved.*
- crassifolia.* 8. O. leaves lanced most intire rather fleshy, stem erect. *thick-leaved.*
- parviflora.* O. leaves lanced smooth stem-clasping, flowers panicled. *small-flower'd.*
- tenuissima.* 9. O. leaves thread-form fleshy, stem shrubby. *most-slender.*
- frutescens.* O. leaves oval rather tooth'd, stem shrubby. *shrubby.*
- arborescens.* 7. O. leaves oblong most intire, stem arborescent fleshy with woolly scars. *arborescent.*
- Athanasia.* O. leaves feather'd thread-form, calyx hemispheric twelve-tooth'd. *S.*
- ciliata.* O. leaves feather-cleft sessile: feathers egg'd fringed, peduncles terminal elongate one-flower'd. *fringed.*
- digitata.* O. leaves oblong undivided or finger-tooth'd, peduncles one-flower'd. *S. fingered.*
- pinnata.* O. leaves feather-cleft: feathers lanced most intire decurrent *S. feather'd.*
- Lingua.* O. leaves egg'd-lanced half-stemclasping. *S. tongue.*
- trifida.* O. leaves three-cleft linear, flowers lateral peduncled. *S. three-cleft.*
- lateriflora.* O. leaves lanced, flowers lateral, peduncles the length of the leaves. *S. side-flower'd.*
- heterophylla.* O. radical leaves egg'd angle-tooth'd, stem-leaves lanced intirish. *S. different-leaved.*
- trifurcata.* O. leaves three-cleft-feather-cleft: feathers linear peduncles lateral level-top'd. *S. three-fork'd.*

- Cacalioides*. O. fleshy naked polish'd handed, leaves fascicled inverse-egg'd sessile, peduncles one flower'd S. *Cacalia-like*.
- Ericoides*. O. stem two-fork'd imbricated, leaflets awny, peduncle most long from the divarications solitary. S. *Hcath-like*.
- munita*. O. leaves feather-cleft imbricated incurved: feathers three-sided awl'd, stem two-fork'd, peduncles from the divarications. S. *fenced*.
- linifolia*. O. herbaceous, leaves linear margin'd grassy. S. *flax-leaved*.
- capillaris*. O. leaves lyred, branches capillary. S. *capillary*.
- virginica*. O. leaves wedged gash'd. S. *virgin*.

1324. HIPPIA. *Receptacle* naked. *Pappus* none. *Seeds* with most broad margins, naked. *Cal.* hemispheric, subimbricated. *Corrollets of the Ray* 10, obscure, rather three-cleft.

- integrifolia*. H. hispid erect, leaves egg'd saw'd five-nerved, racemes terminal S. *intire-leaved*.
- minuta*. H. herbaceous procumbent creeping smooth, leaves feather'd, peduncles axillary one-flower'd. S. *minute*.
- frutescens*. H. shrubby villous, leaves feather-cleft, flowers corymbed. S. *shrubby*.

994. ERIOCEPHALUS. *Receptacle* subvillous. *Pappus* none. *Cal.* 10-leaved equal. *Florets of the Ray* 5. *Wool-head*.

- africanus*. 1. E. leaves intire and divided, flowers corymbed. *african*.
- racemosus*. 2. E. leaves linear undivided, flowers racemed. *racemed*.

995. FILAGO. *Receptacle* naked. *Pappus* none. *Cal.* imbricated. *Feminine florets* placed between the scales of the calyx.

- acaulis*. 1. F. flowers stemless sessile, floral leaves larger. *stemless*.
2. P.

650. CONFEDERATE MALES. NECESS. POLYG. Filago.

- germanica*. 2. F. panicle two-fork'd, flowers rounded axillary shaggy, leaves acute. *german.*
- pyramidata*. 3. F. stem two-fork'd, flowers pyramidal five-corner'd axillary, feminine florets silky. *pyramidal.*
- montana*. 4. F. stem mostly two-fork'd erect, flowers conic terminal and axillary. *mountain.*
- gallica*. 5. F. stem two-fork'd erect, flowers awl'd axillary, leaves thread-form. *french.*
- arvensis*. 6. F. stem panicled, flowers conic lateral. *field.*
- Leontopodium*. 7. F. stem most simple, head terminal radiated with bractes most shaggy. *Lion's foot.*

996. MICROPUS. *Receptacle* chaffy. *Pappus* none. *Cal.* calyced. *Ray* of the Corol none. *Feminine florets* involved by the calyx-scales.

- supinus*. 1. M. stem procumbent, leaves double. *supine.*
- erectus*. 2. M. stem erect, calyxes toothless, leaves solitary. *erect.*

SEPARATE POLYGAMY.

(*Polygamia Segregata.*)

997. ELEPHANTOPUS. *Calycle* 4-flower'd. *Corollets* ligulate, hermaphrodite. *Receptacle* naked. *Pappus* bristly.

- scaber*. 1. E. leaves oblong rugged. *rugged.*
- tomentosus*. 2. E. leaves egg'd downy. *downy.*

1001. STOEBE. *Calycle* 1 - flower'd. *Corollets* tubular hermaphrodite. *Receptacle* naked. *Pappus* feathery.

- æthiopica.* 1. S. leaves recurve-hook'd naked. *æthiopian.*
ericoides. S. leaves recurved hoary, corols two-flower'd dif-
ferent. *heath-like.*
prostrata. S. leaves resupine downy on one side, stems prostrate.
gnaphaloides. S. leaves imbricated appress'd. *gnaphalium-like.*
Gomphre- S. leaves lanced imbricate appress'd, head terminal
noides. sessile. S. *Gomphrena-like.*
scabra. S. leaves twisted appressed linear tubercle-rugged
without downy within, flowers racemed. S.
reflexa. S. procumbent, leaves linear, spikes egg'd, branches
ascending. S. *rugged.*
Rhinocerotis. S. leaves three-sided appress'd, branchlets downy
bowing, racemes proliferous. S. *reflected.*
disticha. S. leaves fascicled recurved, spikes two-faced. S. *rhinoceros.*
two-ranked.

1422. JUNGIA. *Receptacle* chaffy, common
Perianth, three-flower'd. *Florets* tu-
bular, two-lip'd: *exteriour lip* ligu-
late; *interiour lip* two-parted. S.

ferruginea. JUNGIA. *iron.*

M O N O G A M Y.

(*Monogamia.*)

1003. SERIPHIDIUM. *Cal.* imbricated. *Cor.* 1-
petal'd, regular. *Seed* 1, oblong,
beneath the corol.

cinereum. 1. S. flowers verticil-spiked one-flower'd, leaves ex-
panding. *ash-colour'd.*
2. S.

- plumosum.* 2. S. flowers spiked six-flower'd, leaves granule-egg'd.
fuscum. 3. S. flowers headed one-flower'd, leaves imbricated. *feathery.*
ambiguum. S. flowers spiked three-flower'd, leaves linear. *brown.*
ambiguum. *ambiguous.*

1002. STRUMPFIA, *Cal.* 5 - tooth'd, above.
Cor. 5 - petal'd. *Berry* one-seeded.

maritima. 1. STRUMPFIA. *sea.*

1004. CORYMBIUM. *Cal.* 2-leaved, 1-flower'd,
 prismatic. *Cor.* 1-petal'd, regular.
Seed 1, beneath the corollet, woolly.

- scabrum.* 1. C. stem rugged. *rugged.*
glabrum. 2. C. stem polish'd, axils woolly. *smooth.*
filiforme. C. leaves thread-form most smooth erect shorter
 than the stem. *S.* *thread-form.*
scabrum. C. leaves lanced channel'd nerved recurved smooth
 shorter than the stem. *S.* *rugged.*
glabrum. C. most smooth, leaves sword-form flat nerved. *S.*
villosum. C. wool-villous, stem-leaves stem-clasping awl'd
 straight flat. *S.* *villous.*

1005. JASIONE. *Cal.* common 10-leaved. *Cor.*
 5 - petal'd, regular. *Capsf.* beneath
 two-cell'd.

- montana.* 1. JASIONE. *mountain.*
perennis. b. with perennial root. *S.* *perennial.*

1006. LOBELIA. *Cal.* 5-cleft. *Corol* 1-petal'd
 irregular, *Capsf-* beneath, 2. or 3-
 cell'd.

* *Leaves most intire.*

- simplex.* L. stem erect, leaves linear most intire, peduncles
 solitary. *simple.*

654. CONFEDERATE MALES. MONOGAMY. *Lobelia*.

- pinifolia*. 2. L. shrubby, leaves linear crowded most intire. *pine-leaved*.
- Dortmanna*. 3. L. leaves linear two-cell'd most intire, stem nakedish.
- Tupa*. 4. L. leaves lanced most intire, raceme spiked.
- Kalmii* 5. L. stem erect, leaves lance-linear obtusifish alternate most intire, raceme terminal. *of Kalm.*
- paniculata*. 6. L. leaves linear most intire, panicle two-fork'd. *panicled.*
- cornuta*. 7. L. leaves egg'd petioled, stamens most long. *horn'd.*
- grandis*. L. leaves oblong most intire smooth, corymbes bracted, corols hispid. S. *grand.*
- * * Stem erect, leaves gasb'd.
- Phyteuma*. 8. L. leaves egg-oblong notch'd, stem nakedish spike& anthers shaggy distinct.
- bulbosa*. 9. L. stem erect, inferiour leaves footed. *bulbous.*
- triquetra*. 27. L. stem erect, leaves lanced tooth'd, raceme terminal leafless. *three-sided.*
- longiflora*. 11. L. leaves lanced tooth'd, peduncles most short lateral, tube of the corol thread-form most long. *long-flower'd.*
- assurgens*. 19. L. leaves lanced saw'd tooth'd below, racemes compound terminal. *rising.*
- Cardinalis*. 12. L. stem erect, leaves broad-lanced saw'd, raceme terminal one-rank'd. *cardinal.*
- siphilitica*. 13. L. stem erect, leaves egg-lanced rather saw'd, sinuses of the calyxes reflected. *siphilitic.*
- surinamensis*. 14. L. stem shrubbyish, leaves oblong smooth saw'd, flowers axillary peduncled. *surinam.*
- inflata*. 15. L. stem erect, leaves egg'd rather saw'd longer than the peduncle, capsules inflated. *inflated.*
- cliffortiana*. 16. L. stem erect, leaves hearted polish'd obscurely tooth'd petioled, corymbe terminal. *cliffort.*
- urens*. 18. L. stem erectish, inferiour leaves roundish notch'd; superiour ones lanced saw'd, flowers racemed. *stinging.*
- minuta*. L. leaves radical egg'd, scapes capillary. *minute.*
- laevigata*. L. leaves elliptic saw'd smooth capsules gross globular, calyxes awl'd, corols most smooth. S. *polish'd.*
- Columnææ*. L. leaves oblong obtuse notch'd most smooth down-white underneath stem and corols dusty. S. *Columnian.*
- ferruginea*. L. stem villous, leaves lanced saw'd acute anastomoses of the veins down-rusty on both sides, L.

- tomentosa.* L. fructification long. S. *iron.*
 L. herbaceous straight downy, leaves linear tooth'd,
 peduncles terminal most long one or two-flow-
 er'd. S. *downy.*
- anceps.* L. leaves lanced decurrent. S. *two-edg'd.*
debilis. L. erect, leaves lanced saw'd smooth, peduncles lateral
 longer than the leaf. S. *feeble.*
- secunda.* L. erect smooth, lowest leaves oblong tooth'd, supe-
 rior ones lanced intire, peduncles racemed one-
 rank'd. S. *one-rank'd.*
- patula.* L. herbaceous diffuse twiggy smooth, leaves egg'd
 tooth'd peduncles lateral. S. *spreading.*
- bulbosa.* L. erect herbaceous, leaves finger'd: divisions linear
 feather-cleft. S. *bulbous.*
- bellidiflora.* L. stem erect panicled, leaves inverse-egg'd notch'd.
 S. *daisy-flower'd.*
- * * * Stem prostrate, leaves gash'd.
- Laurentia.* 19. L. stem prostrate, leaves lance-oval notch'd, stem
 branchy, peduncles solitary one-flower'd most
 long.
- Erinus.* 20. L. stem spreading, leaves lanced rather tooth'd, pe-
 duncles most long.
- erinoides.* 21. L. stems prostrate thread-form, leaves petioled ob-
 long tooth'd *Erinus-like.*
- zeylanica.* 22. L. stems procumbent, leaves egg'd saw'd acute:
 inferior leaves obtuse, peduncles one-flower'd,
 capsules subvillous. *Ceylon.*
- lutea.* 23. L. stems procumbent, leaves lanced saw'd, flowers
 sessile subspiked. *yellow.*
- hirsuta.* 24. L. leaves oval notch'd woolly, flowers lateral soli-
 tary. *shaggy.*
- coronopifo-
lia.* 25. L. leaves lanced tooth'd, peduncles most large. *co-
ronopus-leaved.*
- comosa.* 26. L. leaves linear tooth'd, spike terminal leafy. *tufted.*
- tenella.* 28. L. stems prostrate thread-form shrubbyish, leaves
 egg-lanced smooth two-tooth'd on both sides.
tender.
- depressa.* L. depress'd, leaves lanced, stem fleshy. S. *depress'd.*
hirsuta. L. shrubby shaggy prostrate, leaves egg'd tooth'd,
 peduncles lateral most long two or three-flower'd.
 S. *shaggy.*
- volubilis.* L. stem twining. S. *voluble.*

1007. VIOLA. *Cal.* 5-leaved. *Cor.* 5-petal'd, irregular, horn'd behind. *Caps.* above, 3-valved, 1-cell'd, *Violet.*

* *Stemless.*

- | | | |
|----------------------|---|----------------------------------|
| <i>palmata.</i> | 1. V. stemless, leaves handed five-lobed tooth'd and undivided. | <i>handed.</i> |
| <i>pedata.</i> | 2. V. stemless, leaves footed seven-parted. | <i>footed.</i> |
| <i>pinnata.</i> | 3. V. stemless, leaves feather-cleft. | <i>feather'd.</i> |
| <i>lanceolata.</i> | 4. V. stemless, leaves lanced notch'd. | <i>lanced.</i> |
| <i>primulifolia.</i> | 5. V. stemless, leaves oblong rather hearted, membranous. | <i>petioles primrose-leaved.</i> |
| <i>hirta.</i> | 6. V. stemless, leaves hearted hair-hispid. | <i>shaggy.</i> |
| <i>palustris.</i> | 7. V. stemless, leaves kidney-form. | <i>marsh.</i> |
| <i>odorata.</i> | 8. V. stemless, leaves hearted stoles creeping. | <i>odorous.</i> |

** *Stem-growing.*

- | | | |
|--------------------|---|---------------------------|
| <i>canina.</i> | 9. V. the more adult stems ascending, leaves oblong-hearted. | <i>dog.</i> |
| <i>montana.</i> | 11. V. stems erect, leaves hearted oblong. | <i>mountain.</i> |
| <i>cenifia.</i> | 10. V. stems thread-form undivided creeping, leaves egg'd most intire smooth, stipules undivided. | <i>cenifian.</i> |
| <i>canadensis.</i> | 16. V. stem erect, leaves hearted pointed. | <i>canadian.</i> |
| <i>mirabilis.</i> | 17. V. stem three-sided, leaves kidney-hearted, stem-flowers petalless. | <i>admirable.</i> |
| <i>biflora.</i> | 18. V. stem two-flower'd, leaves kidney-form saw'd. | <i>two-flower'd.</i> |
| <i>uniflora.</i> | 19. V. stem one-flower'd, leaves hearted tooth'd. | <i>one-flower'd.</i> |
| <i>parviflora.</i> | V. stems diffuse feeble many-leaved, leaves egg'd petioled saw'd, flowers axillary solitary. | <i>S. small-flower'd.</i> |
| <i>decumbens.</i> | V. stem-growing procumbent, leaves linear crowded. | <i>S. decumbent.</i> |

*** *Stipules feather-cleft ; stigma pitcher'd.*

- | | | |
|---------------------|--|------------------------|
| <i>tricolor.</i> | 15. V. stem three-sided diffuse, leaves oblong gash'd, stipules feather-cleft. | <i>three-colour'd.</i> |
| <i>grandiflora.</i> | 25. V. stem three-sided simple, leaves oblongish, stipules feather-cleft. | <i>great-flower'd.</i> |

- calcarata*. 14. V. stem abbreviated, leaves rather egg'd, stipules feather-cleft, nectaries longer than the calyx. *spur'd.*
- cornuta*. 13. V. stem elongated, leaves oblong-egg'd, stipules feather-cleft, nectaries awl'd longer than the corol. *horn'd.*
- arborefcens*. 12. V. stem shrubby, leaves lanced most intire. *arborefcent.*

* * * * Flowers erect, not refupine.

- enneaffer-* 20. V. stem most branchy at the bafe, leaves lance-linear
ma. most intire diffant, calyxes equal behind. *nine-seeded.*
- fuffruticofa*. 21. V. stem procumbent, leaves lanced rather faw'd crowded, calyxes equal behind. *shrubbyifh.*
- Calceola-* 22. V. stem fimple fhaggy herbaceous, leaves lanced hairy, flowers folitary.
- oppofitifolia*. 23. V. stem shrubbyifh crofs-arm'd, leaves oppofite, flowers racemed. *oppofite-leaved.*
- Hybanthus*. 24. V. arborefcent climbing prickly, leaves oblong obtufe fmooth.
- Ipecacuanba*. V. leaves oval hairy on the margin and underneath. *Ipecacuban.*
- diandra*. V. stem creeping herbaceous, leaves oblong, peduncles one-flower'd. *two-male.*

1008. IMPATIENS. *Cal.* 2 - leaved. *Cor.* 5 - petal'd, irregular, nectary cowl'd. *Capsf.* above 5-valved. *Impatient.*

* *Peduncles one-flower'd.*

- chinenfis*. 1. I. peduncles one-flower'd folitary, leaves oppofite egg'd: nectaries bow'd *china.*
- latifolia*. 2. I. peduncles one-flower'd folitary, leaves egg'd: faw-lets lanced, nectaries longer than the flower. *broad-leaved.*
- oppofitifolia*. 3. I. peduncles one-flower'd aggregate, leaves oppofite linear. *oppofite-leaved.*

658. CONFEDERATE MALES. MONOGAMY. *Impatiens*

cornuta. 4. I. peduncles one-flower'd aggregate, leaves lanced,
nectaries longer than the flower. *horn'd.*

Balsamina. 5. I. peduncles one-flower'd aggregate, leaves lanced :
superiour ones alternate : nectaries shorter than
the flower. *Balsam.*

* * *Peduncles many-flower'd.*

triflora. 6. I. peduncles three - flower'd solitary, leaves narrow-
lanced. *three-flower'd.*

Noli tangere. 7. I. peduncles many - flower'd solitary, leaves egg'd,
stem-knots tumid. *touch me not.*

C L A S S



C L A S S XX.

FEMININE MALES.

(*Gynandria.*)

T W O M A L E S.

(*Diandra.*)

- | | | |
|------|--------------|---|
| 1009 | ORCHIS. | <i>Nectary</i> hornletted. |
| 1010 | SATYRIUM. | <i>Nectary</i> bag-form. |
| 1011 | OPHRYS. | <i>Nectary</i> rather keel'd. |
| 1012 | SERAPIAS. | <i>Nectary</i> egg'd gibbous underneath. |
| 1013 | LIMODORUM. | <i>Nectary</i> pedicel'd. |
| 1015 | CYPRIPEDIUM. | <i>Nectary</i> inflate-bellied. |
| 1016 | EPIDENDRUM. | <i>Nectary</i> top-shape. |
| 1014 | ARETHUSA. | <i>Nectary</i> connected with the grinning corol. |
| 1272 | GNNNERA. | Two-female. Ament. <i>Cal.</i> o. <i>Cor.</i> o:
Seed 1. |
| 1423 | DISA. | <i>Spathe</i> one-valved. <i>Petals</i> three. <i>S.</i> |
| 1424 | FORSTERA. | <i>Perianth</i> double. <i>Corol</i> tubular. <i>S.</i> |

T H R E E M A L E S.

(Triandria.)

- 1017 SISYRINCHIUM. One-female. *Cor.* 0. *Cor.* 6-petal'd flat.
Stigmas 3. *Capsf.* 3-cell'd, beneath.
- 1018 FERRARIA. One-female. *Cal.* 0. *Cor.* 6-petal'd,
 curi'd. *Stigma* cowl'd. *Capsf.* 3-cell'd,
 beneath.
- 1326 SALACIA. One-female. *Cal.* 5-parted. *Cor.* 5-petal'd.
Anthers sitting on the germ.
- 1273 STILAGO. One-female. *Cal.* 1-leaved. *Cor.* 0. *Berry.*

F O U R M A L E S.

(Tetrandria.)

- 1019 NEPENTHES. One-female. *Cal.* 4-parted. *Cor.* none.
Capsf. 4-cell'd.

F I V E M A L E S.

(Pentandria.)

- 1327 GLUTA. One-female. *Cal.* 1-leaved. *Cor.* 5-petal'd.
Germ fitting on the column glued to
 the corol.
- 1020 AYENIA. One-female. *Cal.* 5-leaved. *Cor.* 5-petal'd.
Capsf. 5-grain'd.
- 1021 PASSIFLORA. Three-female. *Cal.* 5-parted. *Cor.* 5-
 petal'd. *Berry* pedicel'd.

S I X M A L E S .

(Hexandria.)

1022 ARISTOLOCHIA. Six-female. *Cal.* none. *Cor.* 1 - petal'd.
Capsf. 6 - cell'd.

* *Cleome.*

1024 PISTIA. One-female. *Cal.* none. *Cor.* 1 - pe-
tal'd. *Capsf.* 1 - cell'd.

E I G H T M A L E S .

(Octandria.)

1425 SCOPOLIA. *Cal.* two-leaved, many-flower'd. *Cor.*
4 - cleft. *S.*

T E N M A L E S .

(Decandria.)

1024 KLEINHOVIA. One-female. *Cal.* five-leaved. *Cor.* five-
petal'd. *Nectary* stamen-bearing *Capsf.*
5-grain'd.

1025 HELICTERIS. One-female. *Cal.* 1-leaved. *Cor.* 5-petal'd.
Capsf. 5, 1 - celled, many - seeded.

T W E L V E M A L E S .

(Dodecandria.)

1232 CYTINUS. One-female. *Cal.* 4-cleft *Cor.* 0. *Berry*
8-cell'd.
11 h 2 MANY

M A N Y M A L E S.

(Polyandria.)

- 1027 XYLOPIA. One-female. *Cal.* one-leaved. *Cor.* 6-petal'd. *Drupe* dry.
- 1026 GREWIA. One-female *Cal.* 5-leaved. *Cor.* 5-petal'd. *Berry* cell'd.
- 1031 POTHOS. Spathe. *Cal.* none. *Cor.* 4-petal'd. *Berry* 1-seeded.
- 1029 DRACONTIUM. Spathe. *Cal.* none. *Cor.* 5-petal'd *Berry* many-seeded.
- 1030 CALLA. Spathe. *Cal.* none. *Cor.* none *Stamens* mix'd with pistils.
1028. ARUM. Spathe. *Cal.* none. *Cor.* none. *Stamens* above the Pistils.
- 1238 AMBROSINIA. Spathe. *Cal.* none. *Cor.* none. *Stamens* on one side of the partition, *Pistils* on the other.
- 1032 ZOSTERA. Leaf. *Cal.* none. *Cor.* none. *Seeds* alternate, naked.

T W O M A L E S.

(*Diandria.*)

1009. ORCHIS. *Nectary* horn-form behind the Flower.

* *Helmet of the corol spur'd.*

- bicornis.* 1. O. bulbs undivided, corols with helmet two-spur'd; lip five-parted. *two-horn'd.*
- biflora.* 2. O. bulbs undivided, corols with helmet one-spur'd; wings expanding; lip lanced pointed. *two-flower'd.*
- cornuta.* 3. O. bulbs undivided, corols with helmet one-spur'd; wings expanding; lip least rather egg'd *horn'd.*
- spathulata.* O. bulbs undivided, helmet of the corol spur'd, lip hearted most longly pedicel'd. S. *spathed.*
- flexuosa.* O. culm winding, helmet of the corol spur'd, petals two-lined fork'd. S. *winding.*
- tripetaloides.* O. leaves lanced, helmet of the corol vaulted obtuse spur'd, nectary lanced most small. S. *three-petal-like.*
- sagittalis.* O. helmet of the corol spur'd two-ear'd, lip lanced. S. *arrow'd.*
- barbata.* O. helmet of the corol erect spur'd, nectary rather three-cleft fringed. S. *bearded.*
- draconis.* O. bulbs undivided, helmet of the corol spur'd, nectary linear egg'd at top. S. *of Draco.*
- tenella.* O. helmet of the corol spur'd conic at the base, nectary linear. S. *tender.*
- * * *Bulbs undivided.*
- sancta.* 4. O. bulbs undivided? lip of the nectary lanced five-tooth'd: horn incurved, petals converging. *holy.*
- susannæ.* 5. O. bulbs undivided, wings of the nectary ample fringed. *susanna.*
- ciliaris.* 7. O. bulbs undivided, lip of the nectary lanced fringed: horn most long. *fringed.*
6. O.

- habenaria.* 6. O. bulbs - - - lip of the nectary three-parted : lateral divisions bristly ; horn thread-form ten times longer than the petal. *rein'd.*
- bifolia.* 8. O. bulbs undivided, lip of the nectary lanced most intire : horn most long, petals expanding. *two-leaved.*
- flexuosa.* 9. O. bulbs undivided, lip of the nectary imbricated : petals two hid thread - form, scape winding. *winding.*
- cucultata.* 11. O. bulbs undivided, lip of the nectary three - cleft, petals confluent, stem naked. *cowl'd.*
- globosa.* 13. O. bulbs undivided, lip of the nectary resupine three-cleft : middle division end-nick'd with a short horn, petals awl'd at top. *globular.*
- pyramidalis.* 12. O. bulbs undivided, lip of the nectary two - horn'd three-cleft equal most intire, horn long, petals sublanced. *pyramidal.*
- coriophora.* 14. O. bulbs undivided, lip of the nectary three - cleft reflected notch'd : horn short, petals converging.
- cubitalis.* 15. O. bulbs undivided, lip of the nectary three - cleft thread-form : intermediate division egg'd ; horn shorter than the germs. *cubit.*
- Morio.* 16. O. bulbs undivided, lip of the nectary four - cleft notchletted : horn obtuse ascending, petals obtuse converging. *Fools.*
- mascula.* 17. C. bulbs undivided, lip of the nectary four - lobed notchletted : horn obtuse, dorsal petals reflected. *male.*
- usulata.* 18. O. bulbs undivided, lip of the nectary four-cleft rugged with points : horn obtuse, petals distinct. *burnt.*
- militaris.* 19. C. bulbs undivided, lip of the nectary five-cleft rugged with points : horn obtuse, petals confluent. *military.*
- papilionacea.* 10. C. bulbs undivided, lip of the nectary undivided notch'd end - nick'd amplefy'd : horn awl'd petals converging. *papilionaceous.*
- burmanniana.* 20. O. bulbs undivided, lip of the nectary many - parted linear, leaves heart - stem-clasping, scape one-flower'd. *Burman.*
- pallens.* O. bulbs undivided, lip of the nectary three-cleft most intire, horn obtuse middle-size, petals expanding. *pale.*
- speciosa.* O. bulbs undivided, scape leafy : leaves broad egg'd, lip five-parted : divisions winding. *S. speciosa.*

* * * Bulbs

*** *Bulbs handed.*

- latifolia.* 21. O. bulbs rather handed straight, horn of the nectary conic : lip three-lobed reflected on the sides, bractes longer than the flower. *broad-leaved.*
- incarnata.* 23. O. bulbs handed, horn of the nectary conic : lip obscurely three-lobed saw'd, petals dorsal reflected. *incarnate.*
- sambucina.* 22. O. bulbs rather handed straight, horn of the nectary conic : lip egg'd mostly three-lobed, bractes the length of the flowers. *elder.*
- maculata.* 24. O. bulbs handed expanding, horn of the nectary shorter than the germs : lip flat, petals dorsal. *spotted.*
- odoratissima.* 25. O. bulbs handed, horn of the nectary recurved shorter : lip three-lobed, leaves linear. *most odorous.*
- conopsea.* 26. O. bulbs handed, horn of the nectary bristly longer than the germs : lip three-cleft, petals two most expanding. *fly.*
- flava.* 29. O. bulbs handed, horn of the nectary thread-form the length of the germ : lip three-cleft most intire. *yellow.*

**** *Bulbs fascicled.*

- fuscescens.* 28. O. bulbs fascicled, horn of the nectary the length of the germ, lip egg'd tooth'd at the base. *brown.*
- strateumatica.* 29. O. bulbs fascicled, lip of the nectary two-lobed most intire : horn the length of the germ. *soldier.*
- hyperborea.* 33. O. bulbs fascicled, horn of the nectary the length of the germ : lip linear most intire lop'd. *northern.*
- abortiva.* 30. O. bulbs fascicled thread-form, lip of the nectary egg'd most intire, stem leafless. *abortive.*
- hispidula.* O. culm leafless, leaves kidney-form. *S. hispid.*

***** *Bulbs as yet unknown.*

- psycodes.* 31. O. horn of the nectary bristly the length of the germ. lip three-parted fringed.
- spectabilis.* 32. O. horn of the nectary the length of the germ : lip oval end-nick'd, stem leafless, leaves oval. *spectable.*
- filicornis.* O. nectary of the corol two-cleft, horn capillary. *S. thread-horn'd.*
- Tipuloides.* O. lip of the nectary three-parted linear subequal, horn thread-form most long. *S. Tipula-like.*

1010. SATYRIUM. *Nectary* bag form or double-inflated behind the flower.

- hircinum.* 1. S. bulbs undivided, leaves lanced, lip of the nectary three-cleft: intermediate division linear oblique end-biten. *goat.*
- viride.* 2. S. bulbs handed, leaves oblong obtuse, lip of the nectary linear three-cleft: the intermediate part obscure. *given.*
- nigrum.* 3. S. bulbs handed, leaves linear, the lip of the nectary resupine undivided. *black.*
- albidum.* 4. S. bulbs fascicled, leaves lanceed, lip of the nectary three-cleft acute: the intermediate part obtuse. *white.*
- Epipogium.* 5. S. bulbs compress'd tooth'd, stem sheathed, lip of the nectary resupine undivided.
- plantaginicum.* 6. S. bulbs subfibrous, stem-leaves egg'd petioled sheathing, lip of the nectary intire. *plantain.*
- repens.* 7. S. bulbs fibrous, leaves egg'd radical, flowers one-rank'd. *creeping.*
- capense.* 8. S. bulbs - - - lip of the nectary broader obtuse end-nick'd waved on both sides. *cape.*
- bians.* S. helmet of the corol spur'd gaping, nectary egg'd, leaves linear radical. S. *gaping.*
- Orobanchoides* S. leaves two-faced, helmet of the corol two-lobed behind rather two-horn'd. S. *Orobanche-like.*
- pedicellatum.* S. scape nakedish, raceme with pedicels, thread-form loose. S. *pedicel'd.*
- Tabularæ.* S. bulbs round, stem leafy, liplet three-cleft: middle division end-nick'd. S.
- triste.* S. bulbs undivided, helmet one-spur'd with liplet intire. S. *sorrowful.*
- giganteum* S. bulbs round, stem naked, liplet arrow'd. S. *giant.*
- aculeatum.* S. bulbs round, stem leafy, liplet intire unarm'd prickly. S. *prickly.*

1001. OPHRYS. *Nectary* rather keel'd underneath. *Twyblade.** *Bulbs* branchy.

- Nidus avis.* 1. O. bulbs fibre-fascicled, stem sheathed leafless, lip of the nectary two-cleft. *Bird's nest.*
2. O.

- Corallorhiza*. 2. O. bulbs branchy winding, stem sheathed leafless, lip of the nectary three-cleft. *Coral-root.*
- spiralis*. 3. O. bulbs aggregate oblong, stem rather leafy, flowers spiral-one-rank'd, lip of the nectary undivided notchletted. *spiral.*
- cernua*. 4. O. bulbs fascicled, stem leafy: flowers bowing, lip of the nectary oblong intire acute. *bowing.*
- ovata*. 5. O. bulbs fibrous, stem two-leaved, leaves egg'd, lip of the nectary two-cleft. *egg'd.*
- cordata*. 6. O. bulb fibrous, stem two-leaved, leaves hearted. *hearted.*

* * *Bulbs round.*

- lilifolia*. 7. O. bulb roundish, scape naked, leaves lanced, lip of the nectary intire, dorsal petals linear. *lily-leaved.*
- Loeselii*. 8. O. bulb roundish, scape naked three-corner'd, lip of the nectary egg'd. *of Loesel.*
- paludosa*. 9. O. bulb roundish, scape nakedish, five-corner'd, leaves rugged at top, lip of the nectary intire. *marsh.*
- monophyllos*. 10. O. bulb round, scape naked, leaf egg'd, lip of nectary intire. *one-leaved.*
- Monorchis*. 11. O. bulb globular, scape naked, lip of the nectary three-cleft cross'd.
- alpina*. 12. O. bulbs egg'd, scape naked, leaves awl'd, lip of the nectary undivided obtuse one-tooth'd on both sides. *alpine.*
- kamtshatea*. 13. O. bulbs - - - scape thread-form sheathed, raceme loose, lip of the nectary linear two-cleft. *Kamtchatka.*
- anthropophora*. 14. O. bulbs roundish, scape leafy, lip of the nectary linear three-parted: the middle elongated two-cleft. *man.*
- insectifera*. 15. O. bulbs roundish: scape leafy, lip of the nectary mostly five-lobed. *insect.*
- myodes*. a. O. resembling the body of a fly, legs, helmet and wings herbaceous. *fly.*
- arachnites*. b. O. resembling a spider. *spider.*
- atrata*. 19. O. bulbs - - - cowl of the flowers stamen-bearing two-horn'd. *black.*
- catholica*. 16. O. bulbs fibrous, flowers three-petal'd: helmet belied large: lip cross'd, scape leafy. *catholic.*

668. FEMININE MALES. TWO MALES. Ophrys.

- circumflexa*. 17. O. bulbs undivided, flowers three-petal'd: wings end-nick'd; lip three-cleft with the lateral parts circumflexed. *circumflex.*
- caffra*. 18. O. bulbs - - - lip of the nectary kidney - form most broad end-nick'd.
- volucris*. O. bulbs roundish, lip triangular arrow'd. *S. bird.*
- bracteata*. O. bulbs roundish, spike mix'd with longer bractes, lip three-lobed. *S. bracted.*
- bivalvata*. O. bulbs - - - flowers fascicled, lip lanced. *S. two-valved.*
- alata*. O. bulbs roundish, stem leafy, leaves lanced, liplet three-cleft: middle division most short. *S. wing'd.*
- alaris*. O. nectary with lip intire waved. *S. wingy.*
- patens*. O. dwarf, leaves awl'd, lip of the nectary most short capillary. *S. expanding.*

1012. SERAPIAS. *Nectary* egg'd, gibbous, lip egg'd. *Helleborine.*

- latifolia*. 1. S. bulbs fibrous, leaves egg'd stem-clasping, flowers pendulous. *broad-leaved.*
- longifolia*. 2. S. bulbs fibrous, leaves sword-form sessile, flowers pendulous. *long-leaved.*
- grandiflora*. 6. S. bulbs fibrous, leaves sword-form, flowers erect, lip of the nectary obtuse shorter than the petals. *great-flower'd.*
- rubra*. 7. S. bulbs fibrous: leaves sword-form, flowers erect: lip of the nectary acute. *red.*
- Lingua*. 2. S. bulbs roundish, lip of the nectary three-cleft pointed smooth longer than the petals.
- cordigera*. 4. S. bulbs roundish, lip of the nectary three-cleft pointed most large bearded at the base. *heart-bearing.*
- capensis*. S. leaves conduplicate - sword-form: stem nakedish upwards, sheathes spathed. *cape.*
- Xiphophyllum*. S. bulbs fibrous, leaves sword-form two-rank'd, bractes most minute, flowers erect: lip of the nectary obtuse shorter than the petals. *S. sword-leaved.*
- lanceophyllum*. S. bulbs fibrous, leaves egg-lanced, bractes the length of the capsule, flowers erect: lip of the nectary obtuse shorter than the petals. *S. lance-leaved.*

1013. LIMO-

1013. LIMODORUM. *Nectary* one-leaved, concave, pedicel'd, within the lowest petal.

- | | | |
|-------------------|--|-----------------|
| <i>tuberosum.</i> | 1. L. flowers sessile racemed alternate. | <i>tuberos.</i> |
| <i>altum.</i> | 2. S. flowers peduncled scatter'd. | <i>high.</i> |

1014. ARETHUSA. *Nectary* tubular, in the bottom of the corol: inferiour lip growing to the Style.

- | | | |
|-------------------------|---|-----------------------------|
| <i>bulbosa.</i> | 1. A. root globular, scape sheathed, spathe two-leaved. | <i>bulbous.</i> |
| <i>ophioglossoides.</i> | 2. A. root fibrous, leaf of the scape oval, leaflet spathe lanced. | <i>adder's tongue-like.</i> |
| <i>divaricata.</i> | 3. A. root rather handed, leaf of the scape and the spathe leaflet lanced, exterior petals ascending. | <i>divaricated.</i> |
| <i>capensis.</i> | A. bulb round, stem two-leaved simple one-flower'd. | <i>cape.</i> |
| <i>villosa.</i> | A. pubescent, bulb round, leaves egg'd fringed. | <i>S. villous.</i> |
| <i>ciliaris.</i> | A. root fleshy, leaf kidney-form orbicular, lip fringed. | <i>fringed.</i> |
| <i>biplumata.</i> | A. scape sheathed, spathe cowl'd, two inferiour petals elongated bearded on the superiour side. | <i>S. two-feather'd.</i> |

1015. CYPRIPIEDIUM. *Nectary* bellied inflated hollow. *Lady's Slipper.*

- | | | |
|-------------------|--|-----------------|
| <i>Calceolus.</i> | 1. C. roots fibrous, stem-leaves egg-lanced. | <i>Slipper.</i> |
| <i>bulbosum.</i> | 2. C. bulbs roundish, radical leaf roundish. | <i>bulbous.</i> |

1016. EPIDENDRUM. *Nectary* top-shape, oblique, reflected.

* *Climbing.*

- | | | |
|-----------------|---|--|
| <i>Vanilla.</i> | 1. E. climbing, stem-leaves egg-oblong nerved sessile, tendrils spiral. | |
|-----------------|---|--|

670. FEMININE MALES. TWO MALES. Epidendrum.

Flos æris. 2. E. stem climbing columnar rather brachy, leaves
lanced, petals linear obtuse. *air-flower.*

* * *Stem erect leafy.*

- tenuifolium.* 3. E. stem-leaves awl'd channel'd. *slender-leaved.*
spatulatum. 4. E. stem-leaves oblong alternate obtuse veinless, lip of
the nectary two-cleft divaricated. *spatuled.*
furvum. 5. E. stem-growing, leaves imbricated lanced, racemes
axillary. *dark.*
coccineum. 6. E. stem-leaves sword-form obtuse, peduncles one-
flower'd axillary crowded. *scarlet.*
secundum. 7. E. stem-leaves oblong, spikes one-rank'd, tube of the
nectary the length of the corol. *one-rank'd.*
lineare. 8. E. stem-leaves linear obtuse end-nick'd, stem simple.
linear.
punctatum. 10. E. leaves lanced nerved: sheathes imbricated, the
panicled scape and corols dotted. *dotted.*
caudatum. 11. E. leaves lanced nerved, scape panicled: petals spot-
ted tail'd: two most long. *tail'd.*
ovatum. 9. E. stem-leaves egg'd acute stem-clasping nerved,
scapes panicled. *egg'd.*
ciliare. 12. E. leaves oblong veinless, lip of the nectary three-
parted fringed: the intermediate part linear,
stem two-leaved. *fringed.*
nocturnum. 13. E. leaves oblong veinless, lip of the nectary three-
parted most intire: intermediate part linear,
stem many-leaved. *nocturnal.*
cucullatum. 14. E. leaves awl'd, scape one-flower'd, lip of the nectary
egg'd fringed pointed, petals elongated. *cowl'd.*

* * * *Scape naked, leaves radical.*

- nodosum.* 15. E. leaf single subradical, spadix mostly four-flower'd.
knotty.
carinatum. 16. E. leaves oblong obtuse compress'd jointed. *keel'd.*
albifolium. 17. E. leaves radical oblong obtuse broader above. *aloe-*
leaved.
guttatum. 18. E. leaves radical lanced channel'd, petals wedge-form
retuse. *spotted.*
juncifolium. 19. E. leaves awl'd furrow'd, scape and petals dotted:
lip spotless dilated. *rush-leaved.*
scriptum. 20. E. leaves egg-oblong three-nerved, flowers racemed
spotted. *written.*
retusum. 21. E. leaves radical linear retuse two ways at top, flowers
racemed spotted. *retuse.*
 23. E.

- amabile.* 23. E. leaves radical broad-lanced veinless, lateral petals orbicular. *amiable.*
- cochleatum.* 22. E. leaves oblong double smooth striated growing on the bulb, scape many-flower'd, nectary hearted. *shell.*
- tuberosum.* 24. E. leaves broad-lanced nerved membranous growing on the bulb, scape sheathed, nectary boat-form two-cleft. *tuberous.*
- pusillum.* 25. E. leaves sword-form rather fleshy, scape few-flower'd. *feeble.*
- ensifolium.* 26. E. stem columnar polish'd, leaves sword-form striated, petals lanced smooth: lip recurved broader. *sword-leaved.*
- moniliforme.* 27. E. stem columnar jointed striated necklace-form naked most simple, leaves linear acute. *necklace-form.*
- ophioglossoides.* 28. E. stem one-leaved; flowers racemed one-rank'd. *adder's tongue-like.*
- ruscifolium.* 29. E. stem one-leaved, flowers aggregate from the sinus of the leaf. *Ruscus-leaved.*
- graminifolium.* 30. E. stem one-leaved, flowers double from the sinus of the leaf. *grass-leaved.*
- capense.* E. scape naked, leaves imbricated two-faced linear obtuse, flowers one-rank'd, horn most long. *S. cape.*

1272. GUNNERA. Ament with scales one-flower'd. *Cal.* 0. *Cor.* 0. *Germ* 2-tooth'd. *Styles* 2. *Seeds* 1.

perpensa. 1. GUNNERA. *perpended.*

1423. DISA. *Spathe* one-valved. *Petals* three: the *third* less two-parted gibbous at base. *S.*

- grandiflora.* D. horn shorter than the petals, stem mostly two-flower'd. *great-flower'd.*
- racemosa.* D. horn shorter than the petals, flowers racemed. *S. racemed.*
- longicornu.* D. horn longer than the petals, scape one-flower'd. *S. long-horn'd.*
- maculata.* D. horn conic most short, scape one-flower'd. *S. spotted.*

1424. FORS.

672. FEMININE MALES. TWO MALES. Forstera.

1424. FORSTERA. *Perianth* double: *exteriour* one beneath, three-leaved; *interiour* above, six-cleft. *Corol* tubular. S.

fedifolia.

FORSTERA.

Sedum-leaved.

T H R E E M A L E S.

(*Triandria.*)

1017. SISYRINCHIUM. One-female. *Spathe* two-leaved. *Petals* 6, flat. *Capsf.* 3-cell'd, beneath.

Bermudinum. 1. S. leaves sword-form nerveless.

Bermuda.

palmifolium. 2. S. leaves sword-form nerved.

palm-leaved.

1018. FERRARIA. One-female. *Spathes* one-flower'd. *Petals* 6, wave-curl'd. *Stigma* cowl'd. *Capsf.* 3-cell'd, beneath.

pavonia.

F. *interiour* petals less halberted. S.

Peacock.

wundulata.

FERRARIA.

waved.

1326. SALACIA. One-female. *Cal.* 5-parted. *Cor.* 5-petal'd. *Anthers* fitting on the top of the germ.

chinesis.

SALACIA.

china.

1273. STILAGO. One-female. *Cal.* 1-leaved mostly three-lobed. *Cor.* 0. *Berry* globular.

Bunius.

1. STILAGO

F O U R

F O U R M A L E S.

(*Tetrandria.*)

1019. NEPENTHES. One - female. *Cal.* 4-
parted. *Cor.* o. *Capf.* 4-cell'd.

distillatoria 1. NEPENTHES. *distillers.*

F I V E M A L E S.

(*Pentandria.*)

1020. AYENIA. One - female. *Cal.* 5 - leaved.
Petals conjoin'd in a Star with long
claws. *Anthers* 5, under the star.
Capf. 5-cell'd.

pusilla. 1. A. leaves hearted smooth. *feeble.*
tomentosa. 2. A. leaves egg-roundish downy. *downy.*
magna. 3. A. leaves hearted pubescent, germ of the flowers
sessile. *large.*

1327. GLUTA. One-female. *Cal.* bell'd, de-
ciduous. *Petals* 5, glued below to the
column of the germ. *Filaments* in-
serted on the top of the column,
Germ fitting on the column.

Benghas. GLUTA.

1021. PAS-

1021. *PASSIFLORA*. Three - female. *Cal.* 5 leaved. *Petals* 5. *Nectary* with crown. *Berry* pedicel'd. *Passion-flower*.

* *Leaves undivided.*

- ferratifolia*. 1. P. leaves undivided egg'd saw'd. *saw-leaved*
pallida. 2. P. leaves undivided egg'd most intire : petioles two-glanded. *pale*
cupræa. 3. P. leaves undivided egg'd very intire : petioles equal *copper*
tiliefolia. 4. P. leaves undivided hearted most intire ; petioles equal. *lime-leaved*
maliformis. 5. P. leaves undivided heart-oblong most intire : petioles two-glanded, involucre most intire. *Apple-leaved*
quadrangularis. 6. P. leaves undivided rather hearted most intire. petioles six-glandular, stem membrane-four-corner'd. *quadrangular*
laurifolia. 7. P. leaves undivided egg'd most intire : petioles two-glanded, involucre tooth'd. *bay-leaved*
multiflora. 8. P. leaves undivided oblong most intire, flowers crowded. *many-flower'd*
adulterina. P. leaves oblong-oval intire, flowers tubular. *S. adulter'd.*

** *Leaves two-lobed.*

- perfoliata*. 9. P. leaves two-lobed oblong tranverse stem-clasping petioled dotted underneath. *leaf-pierced.*
rubra. 10. P. leaves two-lobed hearted pointed rather downy underneath. *red.*
normalis. 11. P. leaves two-lobed end-nick'd at the base : lobes linear obtuse divaricated : with an intermediate one obscure dagger'd. *normal.*
Murucuja. 12. P. leaves two-lobed obtuse undivided at the base, nectaries one-leaved.
Vespertilio. 13. P. leaves two-lobed rounded at the base and glandular : lobes acute divaricated : dotted underneath. *Bat.*
capsularis. 14. P. leaves two-lobed hearted oblong petioled. *capsuled.*

*** *Leaves*

* * * *Leaves three-lobed.*

- rotundifolia*. 15. P. leaves mostly three-lobed obtuse roundish, dotted underneath. *round-leaved.*
- punctata*. 16. P. leaves mostly three-lobed oblong dotted underneath: the intermediate one less. *dotted.*
- lutea*. 17. P. leaves three-lobed hearted equal obtuse smooth most intire. *yellow.*
- minima*. 22. P. leaves three-cleft most intire: lobes subnanced: the intermediate one longer. *leaf.*
- suberosa*. 18. P. leaves three-lobed rather targetted, bark corky. *corky.*
- holosericea*. 19. P. leaves three-lobed with a reflected toothlet at the base on both sides. *velvet.*
- hirsuta*. 20. P. leaves three-lobed villous, flowers opposite. *shaggy.*
- fœtida*. 21. P. leaves three-lobed hearted hairy, involucre many-cleft-capillary. *fetid.*
- incarnata*. 23. P. leaves three-lobed saw'd. *incarnate.*

* * * * *Leaves many-cleft.*

- cœrulea*. 24. P. leaves handed most intire. *blue.*
- ferrata*. 25. P. leaves handed saw'd. *saw'd.*
- pedata*. 26. P. leaves footed saw'd. *footed.*
- mixta*. P. leaves three-cleft saw'd, flowers tubular. *S. mixed.*

S I X M A L E S.

(*Hexandria.*)

1022. ARISTOLOCHIA. Six-female. *Cal.* 0.
Cor. 1-petal'd, tongued, intire. *Capsf.*
 6-cell'd, beneath. *Birthewort.*

- bilobata*. 1. A. leaves two-lobed, stem twining. *two-lobed.*
- trilobata*. 2. A. leaves three-lobed, stem twining, flowers most large. *three-lobed.*
- pentandra*. 3. A. leaves hearted halbert-rather-three lobed, stem twining. *five-male.*
4. A.

676. FEMININE MALES. SIX MALES. Aristolochia.

- peltata.* 4. A. leaves kidney-form rather targetted, stem twining. *targetted.*
- maxima.* 5. A. leaves oblong pointed, stem twining, peduncles many-flower'd. *largest.*
- bilabiata.* 6. A. leaves egg-oblong three-nerved, stem twining, corols two-lip'd. *two-lip'd.*
- erecta.* 7. A. leaves lanced sessile rather shaggy, stem erect, peduncles solitary one-flower'd, flowers most long. *erect.*
- arborescens.* 9. A. leaves heart-lanced, stem erect shrubby. *arborescent.*
- caudata.* 8. A. leaves hearted pointed triple-nerved, stem twining. *tail'd.*
- oderatissima.* 10. A. leaves hearted, stem twining shrubby, peduncles solitary, lip larger than the corols. *most odorous.*
- angustida.* 12. A. leaves hearted pointed, stem twining shrubby, peduncles solitary, stipules hearted. *snake-bane.*
- maurorum.* 14. A. leaves halberted most intire, stem infirm simple, flowers solitary recurved. *of the moors.*
- indica.* 11. A. leaves hearted acutish, stem twining, peduncles many-flower'd. *indian.*
- baetica.* 13. A. leaves hearted acutish, stem twining, peduncles mostly three-fold longer than the petiole. *brown.*
- sempervirens.* 15. A. leaves heart-oblong pointed waved, stem infirm, flowers solitary. *ever-green.*
- Serpentaria.* 16. A. leaves heart-oblong flat, stems infirm winding columnar, flowers solitary. *Snake-root.*
- Pistilochia.* 17. A. leaves hearted notchletted netted underneath petioled, flowers solitary.
- rotunda.* 18. A. leaves hearted sessile obtuse, stem infirm, flowers solitary. *round.*
- longa.* 19. A. leaves hearted petioled most intire obtusifish, stem infirm, flowers solitary. *long.*
- hirsuta.* 21. A. leaves hearted obtusifish shaggy, flowers solitary pendulous recurved rather lop'd. *shaggy.*
- clematitis.* 20. A. leaves hearted, stem erect, flowers axillary crowded. *clematis.*

1023. PISTIA. One-female. *Cal.* 0. *Cor.* 1-petal'd, tongued, intire. *Anthers* 6 or 8, sitting on the filament. *Capsf.* 1-cell'd, in the bottom of the corol.

Stratiotes. I. PISTIA.

E I G H T M A L E S.

(*Oëtandria.*)

1425. SCOPOLIA. *Cal.* two-leaved, many flower'd. *Cor.* four-cleft. *Anthers* conjoin'd in a double column, one of which is placed above the other. S.

composita. SCOPOLIA. *compound.*

T E N M A L E S.

(*Decandria.*)

1024. KLEINHOVIA. One-female. *Cal.* 5-leaved. *Petals* 5. *Nectary* bell'd, peduncled, stamen-bearing. *Capsf.* inflated, 5-grain'd.

Hospita. KLEINHOVIA.

678. FEMININE MALES. TEN MALES. Helicteres.

1025. HELICTERES. Five-female. *Cal.* 1-leaved, oblique. *Petals* 5. *Nectary* with leaflets 5. *Caps.* 5, twisted inwards. *Screw-tree.*
- baruensis.* 5. H. ten-male, leaves hearted saw'd, fruit contorted with tops straight,
- Ijora.* 1. H. ten-male, leaves hearted saw'd, fruit all contorted.
- angustifolia.* 3. H. - - - leaves lanced most intire, fruit egg'd straight. *narrow-leaved.*
- pentandra.* H. five-male, leaves egg'd, floral leaves colour'd. *five-male.*
- carthaginensis.* 2. H. many-male, leaves hearted saw'd, fruit oblong straight. *carthaginian.*
- apicala.* 4. H. twelve-male petalless, leaves five-lobed, filiques divaricated. *petalless.*

T W E L V E M A L E S.

(*Dodecandria.*)

1232. CYTINUS. One-female. *Cal.* 4-cleft, above. *Cor.* 0. *Anthers* 16, sessile. *Berry* 8-cell'd, many-seeded.
- Hypocistis.* 1. CYTINUS.

M A N Y M A L E S.

(*Polyandria.*)

1027. XYLOPIA. One-female. *Cal.* 1-leaved. *Petals* 6. Six exterior *Stamens* thicker. *Drupc* dry.
- muricata.* 1. X. peduncles many-flower'd, fruit murex'd. *murex'd.*
2. X.

glabra. 2. *X.* peduncles mostly one-flower'd, fruit smooth.
smooth.

1026. GREWIA. One-female. *Cal.* five-leaved.
Petals 5: scale at the base nectary-bearing. *Berry* 4-celled.

- occidentales.* 1. *G.* leaves rather egg'd, flowers solitary. *occidental.*
orientalis. 2. *G.* leaves sublanced, flowers solitary. *oriental.*
asiatica. 3. *G.* leaves hearted. *asiatic.*
Microcos. 4. *G.* leaves egg-oblong, flowers paniced.
Malococca. *G.* leaves hearted egg-oblong, notch'd rugged,
pedicels axillary three-flower'd, fruit four-grain'd. *S.*
salvifolia. *G.* leaves oblong most intire, flowers axillary numerous pedicel'd, petals recurved linear. *S.*
sage-leaved.

1238. AMBROSINIA. *Spathe* one-leaved divided by a partition: *Stamens* on the interior, *Pistils* on the exterior side.

Bassii. 1. AMBROSINIA.

1028. ARUM. *Spathe* one-leaved, cowl'd. *Spadix* naked above, feminine below, *stamen*'d in the middle. *Cuckow-pint.*

* *Stemless: leaves compound.*

- Dracunculus.* 1. *A.* leaves footed: leaflets lanced most intire equal-
ling the spathe longer than the spadix.
Dracontium. 2. *A.* leaves footed: leaflets most intire surpassing the
spathe shorter than the spadix. *dragons.*
pentaphyllum. 3. *A.* stemless, leaves fived. *five-leaved.*
triphyllum. 4. *A.* stemless, leaves three'd, flowers two-house. *three-leaved.*

** *Stem-*

* * Stemless, leaves simple.

- Colocasia*. 5. A. stemless, leaves targetted egg'd scollop'd: end-nick'd at the base.
- esculentum*. 6. A. stemless, leaves targetted egg'd most intire: end-nick'd at the base. *esculent.*
- macrorrhizon*. 7. A. stemless, leaves targetted hearted scollop'd: two-parted at the base. *long-rooted.*
- peregrinum*. 8. A. stemless, leaves hearted obtuse dagger'd: angles rounded. *foreign.*
- divaricatum*. 9. A. stemless, leaves hearted halberted divaricated. *divaricated.*
- trilobatum*. 10. A. stemless, leaves arrow-three-lobed, flower fertile three-lobed.
- sagittifolium*. 11. A. stemless, leaves arrow'd three-angled: angles divaricated acute. *arrow-leaved.*
- maculatum*. 12. A. stemless, leaves halberted most intire, spadix club'd. *spotted.*
- virginicum*. 13. A. stemless, leaves halbert-hearted acute: angles obtuse. *virginian.*
- proboscideum*. 14. A. stemless, leaves halberted, spathe declining thread-form-awl'd. *proboscis-like.*
- Arisarum*. 16. A. stemless, leaves hearted oblong, aperture of the spathe egg'd.
- ovatum*. 17. A. stemless, leaves egg oblong, spathe rugged. *egg'd.*
- tenuifolium*. 15. A. stemless, leaves lanced, spadix bristly declining. *slender-leaved.*
- picum*. A. stemless, leaves hearted with veins colour'd painted. *S. painted.*
- cannae-folium*. A. stemless, leaves lanced veinless. *S. canna-leaved.*
- musci-vorum*. A. leaves halbert-foot-cleft spathe and spadix hairy within. *S. fly-eater.*

* * * Stem growing.

- arborescens*. 18. A. stem-growing straight, leaves arrow'd. *arborescent.*
- seguinum*. 19. A. stem-growing erectish, leaves lance-egg'd.
- hederacum*. 20. A. stem-growing rooting, leaves hearted oblong pointed, petioles cloumnar. *ivy.*
- lingulatum*. 21. A. stem-growing creeping, leaves heart-lanced: petioles margin-membranous. *tongued.*
- auritum*. 22. A. stem-growing rooting, leaves three'd: lateral ones one-lobed. *ear'd.*

1029. DRACONTIUM. *Spathe* boat-form. *Spadix* cover'd. *Cal.* 0. *Petals* 5. *Berries* many-seeded. *Dragons.*

- polyphyllum.* 1. D. scape most short, petiole rooted torn, leaflets three-parted: divisions feather-cleft. *many-leaved.*
- spinosum.* 2. D. leaves arrow'd, peduncles and petioles prickly. *thorny.*
- fætidum* 8. D. leaves roundish. *fetid.*
- camtschatcense.* 4. D. leaves lanced. *kamtschatka.*
- pertusum.* 5. D. leaves broken, stem climbing. *broken.*

1030. CALLA. *Spathe* flat. *Spadix* cover'd with florets. *Cal.* 0. *Petals* 0. *Berries* many-seeded.

- æthiopica.* 1. C. leaves arrow-hearted, spathe cowl'd, spadix male above. *æthiopian.*
- palustris.* 2. C. leaves hearted, spathe flat, spadix every where hermaphrodite. *marsh.*

1031. POTHOS. *Spathe.* *Spadix* simple cover'd. *Cal.* 0. *Petals* 4. *Stamens* 4. *Berries* two-seeded.

- scandens.* 1. P. petioles the breadth of the leaves, stem rooting. *climbing.*
- acaulis.* 7. P. leaves lanced most intire nerveless. *stemless.*
- lanceolata.* 1. P. leaves lanced most intire three-nerved, scape three-sided at top. *lanced.*
- crenata.* 2. P. leaves lanced notch'd. *notch'd.*
- cordata.* 3. P. leaves hearted. *hearted.*
- pinnata.* 4. P. leaves feather-cleft. *feather'd.*
- palmata.* 5. P. leaves handed. *handed.*

1032. *ZOSTERA*. *Spadix* linear, one side fruit-bearing. *Cal.* o. *Stamens* alternate. *Seeds* solitary, alternate. *Grass-wrack*,

marina. 1. *Z.* pericarps sessile.

sea.

oceanica. 2. *Z.* pericarps pedicel'd olive-form.

oceanic.

C L A S S.

* * * * *

C L A S S XXI.

O N E H O U S E.

(*Monoecia.*)

O N E M A L E.

(*Monandria.*)

- | | | | | |
|------|---------------|---|---|------------|
| 1203 | CHARA. | ♂ | <i>Cal.</i> none. <i>Cor.</i> none. | |
| | | ♀ | <i>Cal.</i> 4-leaved. <i>Cor.</i> o. <i>Stigma</i> three-cleft; <i>Seed</i> 1. | |
| 1034 | ZAMICHELLIA. | ♂ | <i>Cal.</i> none. <i>Cor.</i> none. | |
| | | ♀ | <i>Cal.</i> 1-leaved. <i>Cor.</i> <i>Pist.</i> 4. <i>Seeds</i> 4. | |
| 1035 | CERATOCARPUS. | ♂ | <i>Cal.</i> 2-parted. <i>Cor.</i> none. | |
| | | ♀ | <i>Cal.</i> 2-leaved. <i>Cor.</i> o. <i>Styles</i> 2. <i>Seed</i> 1, beneath. | |
| 1036 | ELATERIUM. | ♂ | <i>Cal.</i> o. <i>Cor.</i> falver-form. | |
| | | ♀ | <i>Cal.</i> o. <i>Cor.</i> falver-form. <i>Capf.</i> beneath, pulpy, 1-cell'd, many-seeded. | |
| 1033 | CYNOMORIUM. | ♂ | <i>Cal.</i> of the ament. <i>Cor.</i> none. | |
| | | ♀ | <i>Cal.</i> of the ament. <i>Cor.</i> o. <i>Style.</i> 1. <i>Seed</i> 1, roundish. | |
| 1426 | ARTOCARPUS. | | <i>Ament</i> cylindric, covered with flowers. | |
| | | ♂ | <i>Calyx</i> two-valved. <i>Cor.</i> none. | |
| | | ♀ | <i>Calyx</i> none. <i>Cor.</i> none. <i>S.</i> | |
| | | | L 1 | 1447 PHYL- |

- 1427 PHYLLACHNE. ♂ *Calyx* three-leaved, above. *Cor.* funne
form.
♀ *Calyx* three-leaved, above. *Cor.* funne
form. *S.*
- 1428 CASUARINA. ♂ *Calyx* of the ament. *Cor.* of a two
parted scale.
♀ *Calyx* of the ament. *Cor.* none. *S.*
- 1429 ÆGOPRICON. ♂ *Ament.* *Perianth* 3-cleft. *Cor.* none.
♀ *Flowers* solitary. *Cal.* as in the mal
Cor. none. *S.*

* *Vernal Callitriche.*

T W O M A L E S .

(*Diandria.*)

- 1037 ANGURIA. ♂ *Cal.* 5-cleft. *Cor.* 5-petal'd.
♀ *Cal.* 5-cleft. *Cor.* 5-petal'd *Pome* tv
cell'd, many-seeded.
- 1038 LEMNA. ♂ *Cal.* 1-leaved. *Cor.* none.
♀ *Cal.* 1-leaved. *Cor.* 0. *Style* 1. *Cl*
1-cell'd.

* *Gunnera.*

T H R E E M A L E S .

(*Triandria.*)

- 1042 ZEA. ♂ *Glume* 2-flower'd. *Glume* 2-valved.
♀ *Glume* 1-flower'd. *Glume* 2-val
Style 1. *Seed* 1, naked, roundish
- 1044 TRIPSACUM. ♂ *Glume* 4-flower'd. *Glume* two-valv
♀ *Glume* 2 or 4-parted *Gl.* two-val
Styles 2. *Seed* 1, glume perfor
in the Sinus.

1043 C.

- 1043 COIX. ♂ *Glume* 2-flower'd. *Glume* 2-valved.
 ♀ *Glume* 2-flower'd. *Gl.* 2-valved. *Style*
 2-cleft. *Seed* 1, covered with a
 nut.
- 1045 OLYRA. ♂ *Glume* 1-flower'd. *Glume* 2-valved.
 ♀ *Glume* 1-flower'd. *Gl.* 2-valved. *Style*
 2-cleft. *Seed* 1, naked.
- 1046 CAREX. ♂ *Ament* 1-flower'd. *Cor.* none.
 ♀ *Ament* 1-flower'd. *Cor.* 1. *Style* 1.
Seed 1, coated.
- 1041 SPARGANIUM. ♂ *Cal.* 3-leaved. *Cor.* none.
 ♀ *Cal.* 3-leaved. *Cor.* 0. *Stigmas* 2. *Seed*
 1-seeded.
- 1040 TYPHA. ♂ *Cal.* 3-leaved. *Cor.* none.
 ♀ *Cal.* capillary. *Cor.* 0. *Style* 1. *Seed*
 1, pappus-bearing.
- 1047 AXYRIS. ♂ *Cal.* 3-parted. *Cor.* none.
 ♀ *Cal.* 2-leaved. *Cor.* 0. *Styles* 2. *Seed*
 1, roundish.
- 1050 PHYLLANTHUS. ♂ *Cal.* 6-parted. *Cor.* none.
 ♀ *Cal.* 6-parted. *Cor.* 0. *Styles* 3. *Capsf.*
 3-grain'd.
- 1048 TRAGIA. ♂ *Cal.* 3-parted. *Cor.* none.
 ♀ *Cal.* 5-parted. *Cor.* 0. *Style* 3-cleft.
Capsf. 3-grain'd.
- 1049 HERNANDIA. ♂ *Cal.* 3-parted. *Cor.* 3-petal'd.
 ♀ *Cal.* lop'd. *Cor.* 6-petal'd. *Drupe* exca-
 vated.
- 1039 OMPHALEA. ♂ *Cal.* 4-leaved. *Cor.* none. *Anthers* im-
 mersed in the receptacle.
 ♀ *Cal.* 4-parted. *Cor.* 0. *Stigma* 3-cleft.
Capsf. 3-cell'd, 1-seeded.

* *Various Amaranths.*

F O U R M A L E S .

(Tetrandria.)

- 1054 URTICA. ♂ *Cal.* 4-leaved. *Cor.* none. *Neclav*
cup-form.
♀ *Cal.* 2-valved. *Cor.* o. *Stigma* villou
Seed 1, egg'd.
- 1055 MORUS. ♂ *Cal.* 4-parted. *Cor.* none.
♀ *Cal.* 4-leaved. *Cor.* o. *Styles* 2. *Se*
1, berried.
- 1053 BUXUS. ♂ *Cal.* 3-leaved. *Cor.* 2-petal'd.
♀ *Cal.* 4-leaved. *Cor.* 3-petal'd. *Stigm*
3. *Capsf.* 3-cell'd.
- 1052 BETULA. ♂ *Ament* 3-flower'd. *Cor.* 4-parted.
♀ *Ament* 2-flower'd. *Cor.* o. *Styles*
Seeds 1, egg'd.
- 1051 CENTELLA. ♂ *Involuere* 4-leaved, many-flower'd. *F*
tals 4.
♀ *Involuere* 2-leaved. *Styles* 2. *Perica*
beneath, 2-cell'd.
- 1274 SERPICULA. ♂ *Cal.* 4-tooth'd. *Cor.* 4-petal'd.
♀ *Cal.* 4-leaved. *Cor.* o. *Nut* wreath
- 1328 LITTORELLA. ♂ *Cal.* 4-leaved. *Cor.* 4-cleft. *Stam*
most long.
♀ *Cal.* none. *Cor.* 4-cleft. *Style* m
long. *Seed* a nut.
- 1275 CICCA. ♂ *Cal.* 4-leaved. *Cor.* o.
♀ *Cal.* 4-leaved. *Cor.* o. *Style* 4-cl
Capsf. 4-grain'd.

* *One-flower'd Plantain.*

F I V E M A L E S .

(Pentandria.)

- 1277 NEPHELIUM. ♂ *Cal.* 5-tooth'd. *Cor.* 0. *Anthers* two-cleft.
 ♀ *Cal.* 4-tooth'd. *Cor.* 0. *Styles* 2, between the germs.
- 1056 XANTHIUM. ♂ *Cal.* common many-leaved. *Cor.* 5-cleft. *Filaments* connected.
 ♀ *Cal.* none. *Cor.* 0. *Styles* 2. *Drupe* 2-cell'd.
- 1057 AMBROSIA. ♂ *Cal.* common 1-leaved. *Cor.* 5 cleft.
 ♀ *Cal.* 1-flower'd, 2-leaved. *Cor.* 0. *Style* 1, *Nut* 5-tooth'd.
- 1058 PARTHENIUM. ♂ *Cal.* common 5-leaved. *Cor.* of the disk above.
 ♀ *Cal.* the same as the male. *Cor.* of the ray ligulate. *Style* 1. *Seed* 1.
- 1326 CLIBADIUM. ♂ *Cal.* common inbricated. *Cor.* of the disk 5-cleft.
 ♀ *Cal.* same as the male. *Cor.* of the ray 3-cleft. *Drupes* navel'd.
- 1059 IVA. ♂ *Cal.* common 5-leaved. *Cor.* of the disk above.
 ♀ *Cal.* same as the male. *Cor.* of the ray 0. *Styles* 2. *Seed* 1.
- 1060 AMARANTHUS. ♂ *Cal.* proper 5-leaved. *Cor.* none. *Stamens* 3 or 5.
 ♀ *Cal.* proper 5-leaved. *Cor.* 0. *Styles* 3. *Capsf.* circumcised.
- 1276 LEEA. ♂ *Cal.* 5-cleft. *Cor.* 5-cleft.
 ♀ *Cal.* 5-cleft. *Cor.* 5-cleft. *Style* 1. *Pericarp* 6-cell'd. *Seeds* solitary.

* *Diosma.*

S I X M A L E S .

(*Hexandria.*)

- 1062 ZIZANIA. ♂ *Cal. Glume* none. *Cor. Glume* 2-valved.
 ♀ *Cal. Glume* none. *Cor. Gl.* 2-valved.
Styles 2. *Seed* 1, with corol circum-
 cised.
- 1063 PHARUS. ♂ *Cal. Glume* 1 - flower'd. *Cor. Gl.* 2-
 valved.
 ♀ *Cal. Glume* 1-flower'd. *Cor. Gl.* 2-
 valved. *Style* 1. *Seed* 1.

* *Thorny Rumex.*

S E V E N M A L E S .

(*Heptandria.*)

- 1064 GUETTARDA. ♂ *Cal.* cylindric. *Cor.* 7-cleft.
 ♀ *Cal.* cylindric. *Cor.* 7-cleft. *Style* 1.
Drupe dry.

M A N Y M A L E S (more than 7).

(*Polyandria.*)

- 1156 BEGONIA. ♂ *Cal.* none. *Cor.* 4-petal'd
 ♀ *Cal.* none. *Cor.* 4-petal'd. *Styles* 3,
 two-cleft. *Caps.* beneath, 3-cell'd,
 many-seeded.
- 1067 SAGITTARIA. ♂ *Cal.* 3-leav'd. *Cor.* 3-petal'd. *Sta-*
mens about 24.
 ♀ *Cal.* 3-leaved. *Cor.* 3-petal'd. *Pistils*
 100. *Seeds* numerous.

1066. MY-

- 1066 MYRIOPHYLLUM. ♂ *Cal.* 4-leaved. *Cor.* none. *Stamens* 8.
 ♀ *Cal.* 4-leaved. *Cor.* 0. *Pistils* 4. *Seeds*
 4.
- 1065 CERATOPHYLLUM. ♂ *Cal.* mostly 7-parted. *Cor.* none. *Stamens* about 18.
 ♀ *Cal.* mostly 7-parted. *Cor.* 0. *Pistil* 1. *Seed* 1.
- 1068 THELIGONUM. ♂ *Cal.* 2-cleft. *Cor.* none. *Stamens* about 12.
 ♀ *Cal.* 2-cleft. *Cor.* 0. *Pistil* 1. *Seed* 1, barky.
- 1069 POTERIUM. ♂ *Cal.* 4-leaved. *Cor.* 4-parted. *Stamens* about 32.
 ♀ *Cal.* 4-leaved. *Cor.* 4-petal'd. *Pistils* 2. *Seeds* 2, concealed.
- 1072 FAGUS. ♂ *Cal.* 5-cleft. *Cor.* none. *Stamens* about 12.
 ♀ *Cal.* 4-cleft. *Cor.* 0. *Styles* 3. *Caps.* 2-seeded.
- 1070 QUERCUS. ♂ *Cal.* 5-cleft. *Cor.* none. *Stamens* about 10.
 ♀ *Cal.* intire. *Cor.* 0. *Styles* 5. *Nut* leathery.
- 1071 JUGLANS. ♂ *Ament* imbricated. *Cor.* 6-parted. *Stamens* about 18.
 ♀ *Cal.* 4-cleft. *Cor.* 4-petal'd. *Styles* 2. *Drupe* leathery.
- 1074 CORYLUS. ♂ *Ament* imbricated. *Cor.* none. *Stamens* 8.
 ♀ *Cal.* 2-leaved. *Cor.* 0. *Styles* 2. *Nut* naked.
- 1073 CARPINUS. ♂ *Ament* imbricated. *Cor.* none. *Stamens* 10.
 ♀ *Cal.* 6-cleft. *Cor.* 0. *Pistils* 2. *Nut* naked.
- 1075 PLATANUS. ♂ *Ament* globular. *Cor.* obscure. *Anthers* growing round the filament.
 ♀ *Ament* globular. *Cor.* 5-petal'd. *Style* 1. *Seed* 1, papus'd.
- 1076 LIGUIDAMBAR. ♂ *Cal.* 4-leaved. *Cor.* none. *Stamens* most numerous.
 ♀ *Cal.* 4-leaved. *Cor.* 0. *Styles* 2. *Caps.* many-seeded.

O N E B R O T H E R H O O D .

(*Monadelphica.*)

- 1087 HURA. ♂ *Cal.* 2-leaved. *Cor.* none. *Anthers* 20, sessile.
 ♀ *Cal.* cylindric. *Cor.* 0. *Pistil.* 1. *Capsf.* 10-grain'd.
- 1077 PINUS. ♂ *Cal.* 4-leaved. *Cor.* none. *Stamens* most numerous.
 ♀ *Ament* strobiled. *Cor.* 0. *Pistils* 2. *Nuts* 2, wing'd.
- 1070 CUPRESSUS. ♀ *Ament.* *Cor.* none. *Anthers* 4, sessile.
 ♀ *Ament* strobiled. *Cor.* 0. *Stigma* 2. *Nut* angled.
- 1078 THUJA. ♂ *Ament.* *Cor.* none. *Anthers* 4.
 ♀ *Ament* strobiled. *Cor.* 0. *Pistils* 2. *Nut* girt with a wing.
- 1082 ACALYPHA. ♂ *Cal.* 4-leaved. *Cor.* none. *Stamens* about 12.
 ♀ *Cal.* 3-leaved. *Cor.* 0. *Styles* 3. *Capsf.* 3-grained.
- 1081 DALECHAMPIA. ♂ *Cal.* 6-leaved. *Cor.* none. *Nectary* folded. *Stamens* many.
 ♀ *Cal.* 10-leaved. *Cor.* none. *Style* 1. *Capsf.* 3-grain'd.
- 1080 PLUKENETIA. ♂ *Cal.* none. *Cor.* 4-petal'd. *Stamens* 8.
 ♀ *Cal.* none. *Cor.* 4-petal'd. *Style* 1. *Capsf.* 4-grained.
- 279 CUPANIA. ♂ *Cal.* 3-leaved. *Cor.* 5-petal'd. *Stamens* 5.
 ♀ *Cal.* 3-leaved. *Cor.* 3-petal'd. *Style* 3-cleft. *Capsf.* with *Seeds* 6, aril'd.
- 1083 CROTON. ♂ *Cal.* 5-leaved. *Cor.* 5-petal'd. *Stamens* 15.
 ♀ *Cal.* 5-leaved. *Cor.* 0. *Styles* 3. *Capsf.* 3-grained.
- 1085 RICINUS ♂ *Cal.* 5-parted. *Cor.* none. *Stamens* many.
 ♀ *Cal.* 3-parted. *Cor.* 0. *Styles* 3. *Capsf.* 3-grained.

1084 JATROPHA.

- 1084 JATROPHA. ♂ *Cal.* none. *Cor.* 5-cleft. *Stamens* 10.
 ♀ *Cal.* none. *Cor.* 5-petal'd. *Styles* 3.
Capsf. 3-grained.
- 1086 STERCULIA. ♂ *Cal.* 5-parted. *Cor.* none. *Stamens*
 about 15.
 ♀ *Cal.* 5-parted. *Cor.* 0. *Pistil* 1. *Capsf.*
 5.
- 1088 HIPPOMANE, ♂ *Cal.* 2-cleft, *Cor.* 0. *Anthers* 2, two-
 cleft.
 ♀ *Cal.* 3-cleft. *Cor.* 0. *Stigma* three-fold.
Drupe 1-seeded or *Capsf.* 3-grained.
- 1279 STILLINGIA. ♂ *Cal.* many-flower'd. *Cor.* 1-petal'd,
Stamens 2.
 ♀ *Cal.* one-flower'd. *Cor.* - - - *Style*
 3-cleft. *Germ.* three-grained between
 the calyx and corol.
- 1278 GNETUM ♂ *Ament* from targetted calyces. *Cor.* 0.
Anthers 2.
 ♀ Of the same *Ament.* *Style* 3-cleft. *Drupe*
 1-seeded.

CONFEDERATE MALES.

(*Syngenesia.*)

- 1089 FRICHOSANTHES. ♂ *Cal.* 5-tooth'd. *Cor.* 5-cleft, fring'd.
Filaments 3.
 ♀ *Cal.* 5-tooth'd. *Cor.* 5-cleft. *Style* 3-
 cleft. *Pome* oblong.
- 1090 MOMORDICA. ♂ *Cal.* 5-cleft. *Cor.* 5-cleft. *Filaments* 3.
 ♀ *Cal.* 5-cleft. *Cor.* 5-cleft. *Style* 3-cleft.
Pome elastic !
- 1092 CUCUMIS. ♂ *Cal.* 5-tooth'd. *Cor.* 5-cleft. *Filaments*
 3.
 ♀ *Cal.* 5-tooth'd. *Cor.* 5-cleft. *Style* 3-
 cleft. *Pome.* *Seeds* sharp.
- 1091 CUCURBITA. ♂ *Cal.* 5-tooth'd. *Cor.* 5-cleft. *Filaments*
 3.
 ♀ *Cal.* 5-tooth'd. *Cor.* 5-cleft. *Style* 3-
 cleft. *Pome.* *Seeds* margined.

- 1094 SICYOS. ♂ *Cal.* 5-tooth'd. *Cor.* 5-cleft. *Filaments*
 3.
 ♀ *Cal.* 5-tooth'd. *Cor.* 5-cleft. *Style* 3-cleft.
Drupe 1-seeded.
- 1093 BRYONIA. ♂ *Cal.* 5-tooth'd. *Cor.* 5-parted. *Fila-*
ments 3.
 ♀ *Cal.* 5-tooth'd. *Cor.* 5-parted. *Style*
 3-cleft. *Berry.*

F E M I N I N E M A L E S .

(*Gynandria.*)

- 1095 ANDRACHNE. ♂ *Cal.* 5-leaved. *Cor.* 5-petal'd. *Sta-*
mens 5.
 ♀ *Cal.* 5-leaved. *Cor.* 0. *Styles* 3. *Caps.*
 3-cell'd, 2-seeded.
- 1330 AGYNEIA. ♂ *Cal.* 6-leaved. *Cor.* none. *Anthers* 3.
 ♀ *Cal.* 6-leaved. *Cor.* none. *Germ* per-
 forated. *Style* and *Stigma* none.

O N E M A L E.

(*Monandria.*)

1034. ZANNICHELLIA. MALE FLOWERS.

Cal. o. *Cor.* o.

FEMALE FLOWERS. *Calyx* 1-leaved. *Cor.* o. *Germ*s about 4. *Seeds* as many.

palustris.

1 ZANNICHELLIA.

marsh.

1035. CERATOCARPUS. MALE. *Calyx* 2-parted. *Cor.* o. *Filament* long.

FEM. *Cal.* 2-leaved, growing on the germ. *Cor.* o. *Styles* 2. *Seed* 2-horn'd, compress'd. *Horn-fruit.*

arenarius.

7. CERATOCARPUS.

sand.

1033. CYNOMORIUM. MALE. *Cal.* *Ament* imbricated. *Cor.* o.

FEM. *Cal.* in the same ament. *Cor.* o. *Style* 1. *Seed* 1, roundish.

coccineum.

1. CYNOMORUM.

scarlet.

1203. CHARA. MALE. *Cal.* o. *Corol* o. *Anthers* under the germ.

FEM. *Cal.* 4-leaved. *Cor.* o. *Stigma* 5-cleft. *Seed* 1.

tomentosa.

1. C. stem-prickles egg'd.

downy.

M m 2

2. C.

694. ONE HOUSE. ONE MALE. Chara.

vulgaris.

2. C. stems polish'd, leaves internally tooth'd.
common.

hispida.

3. C. stem with prickles capillary crowded.
hispid.

flexilis.

4. C. stem with joints unarm'd diaphanous,
broader above. *flexible.*

1036. ELATERIUM. MALE. *Cal.* o. *Cor.*
falver-form.

FEM. *Cal.* o. *Cor.* falver-form.

Caps. beneath, 1-cell'd, 2-valved.

carthaginense.

1. E. leaves hearted angled.

carthaginian.

trifoliatum.

2. E. leaves three'd gash'd.

three-leaved.

1426. ARTOCARPUS. *Ament* cylindrical thick-
ening gradually, cover'd with
flowers. Male and female in a
different ament.

MALE. *Cal.* two-valved. *Corol.*
none.

FEM. *Cal.* none. *Cor.* none. *Style.*
one. *Drupe* many-cell'd. *S.*
Bread-fruit.

incisus.

A. leaves gash'd. *S.*

gashed.

integrifolia.

A. leaves intire.

intire-leaved.

1427. PHYLLACHNE. MALE. *Calyx* three-
leaved, above. *Corol* funnel-form..

FEM. *Calyx* three-leaved, above..

Cor. funnel-form. *Style* single..

Stigma four-corner'd. *Caps.* be-
neath, many-seeded. *S.*

uliginosa.

PHYLLACHNE.

marsh.

1428. CA-

1528. CASUARINA. MALE. *Calyx* of the
Ament. *Cor.* of a two-parted
scalelet.

FEM. *Calyx* of the Ament. *Corol* o.
Style two-cleft. *Strobile.* S.

equisetifolia. CASUARINA. *equisetum-leaved.*

1429. ÆGOPRICON. MALE. *Ament.* *Peri-*
anth three-cleft. *Corol* none.

FEM. *Flowers* solitary. *Cal.* as in
the male. *Cor.* none. *Styles* 3.
Berry 3-grained. S.

betulinum. ÆGOPRICON. *birch.*

T W O M A L E S.

(*Diandria.*)

1037. ANGURIA. MALE. *Cal.* 5-cleft. *Cor:*
5-petal'd.

FEM. *Cal.* 5-cleft. *Cor.* 5-petal'd.
Pome beneath, 2-cell'd, many-
seeded.

<i>trilobata.</i>	1. A. leaves three-lobed.	<i>three-lobed.</i>
<i>pedata.</i>	2. A. leaves footed saw'd.	<i>footed.</i>
<i>trifoliata.</i>	3. A. leaves three'd most intire.	<i>three-leaved.</i>

1038. LEMNA.

696. ONE HOUSE. TWO MALES. Lemna.

1038. LEMNA. MALE. *Cal.* 1-leaved. *Cor.* none.

FEM. *Cal.* 1-leaved. *Cor.* 0. *Style* 1. *Capsf.* one-cell'd. *Duckmeat.*

- | | | |
|-------------------|--|------------------------|
| <i>trifulca.</i> | 1. L. leaves petioled lanced. | <i>three-furrowed.</i> |
| <i>minor.</i> | 2. L. leaves sessile flattish on both sides, roots solitary. | <i>lesser.</i> |
| <i>gibba.</i> | 3. L. leaves sessile hemispheric underneath, roots solitary. | <i>gibbous.</i> |
| <i>polyrhiza.</i> | 4. L. leaves sessile, roots crowded. | <i>many-rooted.</i> |
| <i>arrhiza.</i> | L. leaves double eradicated. | <i>rootless.</i> |

T H R E E M A L E S.

(*Triandria.*)

1040. TYPHA. MALE. *Ament* cylindric. *Cal.* obscure, 3-leaved. *Cor.* 0.

FEM. *Ament*, cylindric, beneath the male flowers. *Cal.* with a villous hair. *Cor.* 0. *Seed* 1, sitting on the capillary pappus. *Cat's tail.*

- | | | |
|----------------------|--|-----------------------|
| <i>latifolia.</i> | 1. T. leaves nearly sword-form, male and female spike aproximated. | <i>broad-leaved.</i> |
| <i>angustifolia.</i> | 2. T. leaves semicylindric, male and female spike remote. | <i>narrow-leaved.</i> |

1041. SPAR-

1041. SPARGANIUM. MALE. *Ament* roundish.
Cal. three-leaved. *Cor.* o.

FEM. *Ament* roundish. *Cal.* three-
 leaved. *Cor.* o. *Stigma* two-
 cleft. *Drupe* juiceless, 1-seeded.
Burr-reed.

erectum. 1. S. leaves erect three-sided. *erect.*
natans. 2. S. leaves decumbent flat. *swimming.*

1042. ZEA. MALE. In distinct spikes. *Cal.*
 glume 2-flower'd, awnless. *Cor.*
 glume awnless.

FEM. *Cal.* glume 2-valved. *Cor.*
 glume 2-valved. *Style* 1, thread-
 form pendulous. *Seeds* solitary,
 immersed in an oblong receptacle.

Mays. 1. ZEA. *Mays.*

1044. TRIPSACUM. MALE. *Cal.* glume 4-
 flower'd. *Cor.* glume membra-
 nous.

FEM. *Cal.* glume with perforated
 sinuses. *Cor.* glume two-valved.
Styles 2. *Seed* 1.

dactyloides. A. T. spikes androgynous. *Dactylis-like.*
hermaphroditum. B. T. spike hermaphrodite. *hermaphrodite.*

698. ONE HOUSE. THREE MALES. Coix.

1043. COIX. MALE. In spikes remote. *Cal.* glume 2-flower'd, awnless. *Cor.* glume awnless.

FEM. *Cal.* 2-flower'd. *Cor.* glume awnless. *Style* 2-parted. *Seed* cover'd with a bony calyx. *Job's tears.*

Lacryma. 1. C. seeds egg'd. *Tear.*

1045. OLYRA. MALE. *Cal.* glume one-flower'd, awn'd. *Cor.* glume awnless.

FEM. *Cal.* glume 1-flower'd, spreading, egg'd. *Style* 2-cleft. *Seed* cartilaginous.

latifolia. A. OLYRA. *broad-leaved.*

1046. CAREX. MALE. *Ament* imbricated. *Cal.* 1-leaved. *Cor.* 0.

FEM. *Ament* imbricated. *Cal.* 1-leaved. *Cor.* 0. *Nectary* inflated, 3-tooth'd. *Stigmas* 3. *Seed* three-sided, within the nectary.

* *Spike* single simple.

dioica. 1. C. spike simple two-house. *two-house.*

capitata. 2. C. spike simple androgynous egg'd: male above, capsules imbricate-expanding. *headed.*

pulicaris 3. C. spike simple androgynous: male above, capsules divaricated retroflected. *flea.*

squarrosa. 4. C. spike simple androgynous: male above, capsules imbricated horizontal. *ragged.*

cyperoides. C. umbel rather headed, flowers most simple awl'd, involucred four-leaved elongated. *cyperus-like.*
C.

- Psyllophora*. C. spike simple androgynous, male above, capsules reflected, seeds columnar. S.
- Leucoglochis*. C. spike simple androgynous, male above, capsules reflected, seeds three-sided. S.
- uncinata*. C. spike simple androgynous linear male above, awns of the females hook'd, the males awnless. S. *hook'd.*
- Cyperoides*. C. head terminal roundish, flowers most simple awl'd, involucre long. S. *Cyperus-like.*
- * * *Spikes androgynous.*
- baldensis*. 5. C. spikes three-fold collected sessile egg'd three-sided androgynous, involucre two-leaved. *baldean.*
- arenaria*. 6. C. spike compound, spikelets androgynous: inferiour ones more remote furnished with a longer leaflet, culm three-sided. *sand.*
- niginosus*. 7. C. spike compound, spikelets androgynous: inferiour ones remoter furnish'd with a longer leaflet, culm columnar. *marsh.*
- leporina*. 8. C. spike compound, spikelets egg'd sessile approximated alternate androgynous naked. *bare.*
- vulpina*. 10. C. spike superdecompound looser below, spikelets egg'd androgynous glomerated: male above. *fox.*
- brizoides*. 9. C. spike compound two-rank'd naked, spikelets androgynous oblong contiguous, culm naked. *Briza-like.*
- muricata*. 11. C. spikelets rather egg'd sessile remote androgynous, capsules acute diverging thorny. *murex'd.*
- loliacea*. 13. C. spikelets rather egg'd sessile remote androgynous, capsules egg'd columnarish awnless divaricated. *lolium.*
- remota*. 14. C. spikes egg'd subsessile remote androgynous, bractes equalling the culm. *remote.*
- elongata*. 15. C. spikelets oblong sessile remote androgynous, capsules egg'd acute. *elongated.*
- canescens*. 16. C. spikelets roundish remote sessile obtuse androgynous, capsules egg'd obtusifish. *hoary.*
- paniculata*. 17. C. raceme compound, spikelets androgynous. *panicked.*
- indica*. C. spikes androgynous, cylindric panicked feather'd with some of the lowest florets female. *indian.*
- Chordorrhiza*. C. spike compound: spikelets androgynous approximated male above, capsules compress'd, root creeping thread-form. S.
- Heleonastes*. C. spike compound: spikelets androgynous approximated female above, capsules imbricated with sides most intire. S.

* * * *Spikes distinct in sex : the female ones sessile.*

- flava.* 18. C. spikes crowded subsessile roundish : the male one linear, capsules acute recurved. *yellow.*
- pedata.* 19. C. female spikes sessile oblong : the inferior one axillary, leaves nearly thread-form. *footed.*
- digitata.* 20. C. spikes linear erect, the male one shorter and inferior, bractes leafless, capsules distant. *finger'd.*
- montana.* 23. C. female spikes sessile subsolitary egg'd approximated to the male one, column naked, capsules pubescent. *mountain.*
- tomentosa.* 38. C. female spikes subpeduncled, capsules subglobular downy. *downy.*
- globularis.* 22. C. male spike oblong, female one sessile egg'd approximated to the shorter floral leaf. *globular.*
- filiformis.* 23. C. male spike oblong, female ones sessile oblong : the inferior one shorter than the proper leaflet. *thread-form.*
- pilulifera.* 24. C. spikes terminal crowded roundish : male one oblong. *ball-bearing.*
- saxatilis.* 25. C. spikes three egg'd sessile alternate ; male one oblong. *rock.*

* * * * *Spikes distinct in sex : the female ones peduncled.*

- atrata.* 26. C. spikes androgynous terminal peduncled : the flowering ones erect ; the fruit-bearing ones pendulous. *black.*
- limosa.* 27. C. spikes egg'd pendulous : male one longer more erect, root creeping. *mud.*
- capillaris.* 28. C. spikes pendulous : male one erect, female ones oblong two-rank'd, capsules naked pointed. *capillary.*
- pallescens.* 29. C. spikes pendulous : male one erect, female ones egg'd imbricated, capsules crowded obtuse. *pale.*
- panicca.* 30. C. spikes peduncled erect remote : female ones linear, capsules obtusifish inflated.
- folliculata.* 31. C. spikes terminal peduncled : male and female, capsules awl'd the length of the spike. *follicled.*
- Pseudo-Cyperus.* 32. C. spikes pendulous, peduncles doubled. *Mock Cyperus.*

- cæspitosa.* 34. C. spikes erect cylindric three-fold subsessile: male one terminal, culm three-sided. *turf.*
- distans.* 33. C. spikes most remote subsessile, bracte sheathing, capsules angled dagger'd. *distant.*
- Leptostachys.* C. spikes distinct in sex: male single, female ones peduncled remote pendulous thread-form, capsules remote intire at top. *S.*
- Drymeia.* C. spikes distinct in sex: male one single, female ones peduncled remote pendulous thread-form, capsules remote two-cleft at top. *S.*
- Agastachys.* C. spikes distinct in sex: males ones more numerous, female ones peduncled remote pendulous most long, capsules most numerous most approximated loose pointed. *S.*

* * * * * *Spikes distinct in sex: male ones more numerous.*

- acuta.* 35. C. male spikes more numerous, female ones subsessile. capsules obtusifish. *acute.*
- vesicaria.* 36. C. male spikes more numerous, female ones peduncled, capsules inflated pointed. *bladder.*
- hirta.* 37. C. spikes remote: male ones more numerous, female ones superpeduncled erect, capsules shaggy. *shaggy.*

* * * * * *Male spikes distinct from the female flower.*

- lithosperma.* C. male spikes panicled, female flowers solitary, seeds globular shining. *stone-seeded.*

1047. AXYRIS: MALE. *Cal.* 3-parted. *Cor.* none.

FEM. *Cal.* 2-leaved. *Cor.* 0. *Styles* 2. *Seed* 1.

- Ceratoides.* 1. A. leaves lanced downy, female flowers woolly. *horn-like.*
- Amaranthoides.* 2. A. leaves egg'd, stem erect with spikes simple. *Amaranth-like.*
- hybrida.* 3. A. leaves egg'd, stem erect, spikes conglomerated. *male.*

702. ONE HOUSE. THREE MALES. *Carex*.

prostrata. 4. A. leaves inverse egg'd, stem subdivided, flowers headed. *prostrate*.

1039. OMPHALEA. MALE. *Cal.* 4-leaved.
Cor. o. *Receptacle* egg'd, to which the Anthers grow.

FEM. *Cal.* and *Cor.* of the male.
Stigma 3-cleft. *Capsf.* fleshy, 3-cell'd. *Seed* 1.

diandra. A. O. leaves egg'd. *two-male*.
triandra. B. O. leaves oblong. *three-male*.

1048. TRAGIA. MALE. *Cal.* 3-parted. *Cor.* o.

FEM. *Cal.* 5-parted. *Cor.* o. *Style* 3-cleft. *Capsf.* 3-grain'd, 3-cell'd.
Seeds solitary.

volubilis. 1. T. leaves heart-oblong, stem twining. *twining*.
involutrata. 2. T. female bractes five-leaved feather-cleft. *involved*.
Mercurialis. 3. T. leaves egg'd. *mercury*.
urens. 5. T. leaves lanced obtuse somewhat tooth'd. *stinging*.
Chamælea. 4. T. leaves lanced obtuse most intire.
cannabina. T. leaves three-parted. S. *hemp*.

1049. HERNANDIA. MALE. *Cal.* 3-parted.
Cor. 3-petal'd.

FEM. *Cal.* lop'd most intire. *Cor.* 6-petal'd. *Drupe* hollow, with an open mouth; nucleus moveable.

sonora. 1. H. leaves targetted. *sonorous*.
ovigera. A. H. leaves egg'd petioled at the base. *egg-bearing*.

1050. PHY-

1050. *PHYLLANTHUS*. MALE. *Cal.* 6-parted,
bell'd. *Cor.* 0.

FEM. *Cal.* 6-parted. *Cor.* 0. *Styles*
3, two-cleft. *Caps.* 3-cell'd.
Seeds solitary.

- grandifolia*. 1. P. stem arborescent, leaves egg'd obtuse most intire.
great-leaved.
- Niruri*. 3. P. leaflets feather'd flower-bearing, flowers peduncled,
stem herbaceous erect.
- Urinaria*. 4. P. leaflets feather'd flower-bearing, flowers sessile,
stem herbaceous procumbent.
- bacciformis*. P. leaves feather'd with leaflets six-fold, female flowers
terminal. *berry-form.*
- maderaspatensis*. 5. P. leaflets alternate wedge-form dagger'd. *madras.*
- Emblica*. 6. P. leaves feather'd flower-bearing; stem arborescent,
fruit berried.
- racemosus*. P. shrubbyish, leaves feather'd raceme-flower-bearing
at top, fruit berried juiceless. S. *racemed.*
- bacciformis*. P. leaves feather'd: leaflets six-fold, female flower
terminal. S. *berry-form.*

F O U R M A L E S .

(*Tetrandria.*)

1051. *CENTELLA*. MALE. *Involucre* 4-leaved,
5-flower'd. *Petals* 4.

FEM. *Involucre* 2-leaved, 1-flow-
er'd. *Petals* 4. *Germ* beneath.
Styles 2. *Pericarp* 2-cell'd.

- villosa*. 1. C. leaves hearted. *villos.*
- glabrata*. 2. C. leaves lanced. *smooth.*

1274. SER-

1274. SERPICULA. MALE. *Cal.* 4-tooth'd.
Cor. 4-petal'd.
 FEM. *Cal.* 4-parted. *Pericarp* nut
 downy.

verticillata. S. leaves verticil'd prickle-faw'd. S. *verticil'd.*
repens. S. leaves alternate most intire. S. *creeping.*

1328. LITTORELLA. MALE. *Cal.* 4-leaved..
Cor. 4-cleft. *Stamens* long.
 FEM. *Cal.* none. *Cor.* mostly 4-
 cleft. *Style* long. *Seed* nucleus..

lacustris. LITTORELLA. *pool.*

1275. CICCA. MALE. *Cal.* 4-leaved. *Cor.*
 none.
 FEM. *Cal.* 3-leaved. *Cor.* *Styles*
 4. *Capsf.* 4-grain'd.

disticha. 1. CICCA. *two-rank'd.*

1052. BETULA. MALE. *Cal.* 1-leaved, 3-
 cleft, 3-flower'd. *Cor.* 4-parted..
 FEM. *Cal.* 1-leaved, mostly 3-cleft,
 2-flower'd. *Seeds* wing'd with a
 membrane on both sides. *Birch.*

alba. 1. B. leaves egg'd pointed saw'd. *white.*
nigra. 2. B. leaves rhomb-egg'd pointed double saw'd. *black.*
lenta. 3. B. leaves hearted oblong pointed saw'd. *soft*
nana. 4. B. leaves orbicular notch'd. *dwarf.*
sumila. 6. B. leaves inverse-egg'd notch'd. *low.*
Anus. 5. B. peduncles branchy. *alder.*
 B.

incana. B. leaves hoary egg'd acute twice-saw'd, stipules
lanced, aments spiked. S. hoary.

1053. BUXUS. MALE. *Cal.* 3-leaved. *Petals*
2, a rudiment of a *Germ.*
FEM. *Cal.* 4-leaved. *Petals* 3.
Styles 3. *Capsf.* 3-beak'd, 3-
cell'd. *Seeds* 2.

sempervirens. I. BUXUS. ever-green.

1054. URTICA. MALE. *Cal.* 4-leaved. *Cor.*
o. *Nectary* central, cup-form.
FEM. *Cal.* 2-valved. *Cor.* o. *Seed*
1, glossy. *Nettle.*

* *Opposite-leaved.*

- pilulifera*. 1. U. leaves opposite egg'd saw'd, aments fruit-bearing
globular. ball-bearing.
- balearica*. 2. U. leaves opposite hearted saw'd; aments fruit-bearing
globular. balearican.
- Dodartii*. 3. U. leaves opposite egg'd very intire, aments fruit-
bearing globular. of *Dodart.*
- pumila*. 4. U. leaves opposite egg'd, racemes two-parted most
short. dwarf.
- grandifolia*. 7. U. leaves opposite egg'd, stipules hearted undivided,
racemes paniced the length of the leaves. great-leaved.
- urens*. 5. U. leaves opposite oval. stinging.
- dioica*. 9. U. leaves opposite hearted racemes double. two-house.
- cannabina*. 8. U. leaves opposite three-parted gash'd. hemp.
- alienata*. 19. U. leaves opposite egg'd most intire lined. alienated.
- cylindrica*. 9. U. leaves opposite oblong, aments cylindric solitary
undivided sessile. cylindric.
- parietaria*. 11. U. leaves opposite lanced most intire: narrower on
one side. wall.
- ciliaris*. 10. U. leaves opposite egg'd fringed, racemes divaricated.
fringed.
- rhombica*. U. leaves opposite most intire nearly rhombed three-
nerved. S. rhombed.
U.

706. ONE HOUSE. FOUR MALES. Urtica.

Japonica. U. leaves opposite egg'd saw'd : terminal sawing elongate, racemes axillary solitary elongate. S. Japan.

* * *Alternate-leaved.*

- astuans* 12. U. leaves alternate hearted, racemes two-fork'd, fruit orb-corymbed. *burning.*
- capitata.* 13. U. leaves alternate hearted, globelets spiked. *headed.*
- divaricata.* 14. U. leaves alternate egg'd, racemes compound divaricated. *divaricated.*
- canadensis.* 15. U. leaves alternate heart-egg'd, aments branchy two-rank'd erect. *canadian.*
- interrupta.* 16. U. leaves alternate egg-hearted saw'd, rather shorter than the petiole, spikes solitary interrupted. *interrupted.*
- nivea.* 12. U. leaves alternate suborbicular acute at both ends downy underneath. *snowy.*
- baccifera.* 18. U. leaves alternate hearted tooth'd prickly, stem shrubby, female calyxes berried. *berry-bearing.*
- arborea.* U. leaves alternate elliptic pointed villous underneath, panicle terminal from branchy spikes. S. *arborescent.*
- Capensis.* U. leaves alternate hearted inert pubescent underneath, spikes interrupted. S. *cape.*
- fruticosa.* U. leaves egg'd alternate hearted intire silvery underneath, stem downy, racemes axillary branchy, flowers glomerated. S. *shrubby.*
- stimulans.* U. leaves alternate oblong attenuated towards the base intire, pannicles axillary. S. *stimulant.*

1055. MORUS. MALE. Cal. 4-parted. Cor. o.
FEM. Cal. 4-leaved. Cor. o. Styles
2. Cal. berried. Seed 1. Mulberry.

- alba.* 1. M. leaves obliquely hearted polish'd. *white.*
- nigra.* 2. M. leaves hearted rugged. *black.*
- papyrifera.* 3. M. leaves handed, fruit hispid. *paper-bearing.*
- rubra.* 4. M. leaves hearted villous underneath, aments cylindrical. *red.*
- indica.* 5. M. leaves egg-oblong equal on both sides unequally saw'd. *indian.*
6. M.

- tatarica.* 6. M. leaves egg-oblong equal on both sides equally
 saw'd. *tartarian.*
- tinctoria.* 7. M. leaves oblong more extended on one side, thorns
 axillary. *dyers.*

F I V E M A L E S.

(*Pentandria.*)

1277. NEPHELIUM. MALE. *Cal.* 5-tooth'd.
Cor. none.

FEM. *Cal.* 4-cleft. *Car.* o. *Germes*
 2. *Styles* 2 on each. *Drupe*
 dry, 2, murex'd, 1-seeded.

lappaceum. 1. NEPHELIUM. *burr.*

1056. XANTHIUM. MALE. *Cal.* common
 imbricated. *Cor.* 1-petal'd, 5-
 cleft, funnel-form. *Receptacle*
 chaffy.

FEM. *Cal.* involucre two-leaved, 2-
 flower'd. *Cor.* o. *Drupe* dry,
 murex'd, 2-cleft. *Nucleus* two-
 cell'd.

strumarium. 1. X. stem unarm'd, leaves hearted three-nerved. *scro-*
phulus.

orientale. 2. X. stem unarm'd, leaves wedge-egg'd rather three-
 lobed. *oriental.*

spinosum. 3. X. thorns three'd, leaves three-lobed. *thorny.*

fruticosum. X. leaves feather-cleft: divisions gash'd, stem shrubby.
shrubby.
S.

1057. AMBROSIA. MALE. *Cal.* common, 1-leaved. *Cor.* 1-petal'd. 3-cleft funnel-form. *Receptacle* naked.

FEM. *Cal.* 1-leaved, intire, with belly 5-tooth'd, 1-flower'd. *Cor.* o. *Nut* from the indurated calyx, 1-seeded.

- trifida.* 1. A. leaves three-lobed saw'd. *three-cleft.*
clatior. 2. A. leaves twice-feathercleft, racemes paniced terminal smooth. *higher.*
artimifolia. 3. A. leaves twice-feathercleft: the first of the branches undivided most intire. *artimesia-leaved.*
maritima. 4. A. leaves many-cleft, spikes solitary hairy subsessile. *sea.*

1058. PARTHENIUM. MALE. *Cal.* common, 5-leaved. *Corols* of the disk 1-petal'd.

FEM. *Corols* of the ray 5, each 2, male: the intermediate one female above. *Seed* naked.

Hysterophorus. 1. P. leaves compound-many-cleft.

integrifolium. 2. P. leaves egg'd notch'd. *intire-leaved.*

1059. IVA. MALE. *Cal.* common, 3-leaved. *Corols* of the disk 1-petal'd, 5-cleft. *Receptacle* embellished with hairs.

FEM. *Cal.* florets of the ray 5. *Cor.* o. *Styles* 2, long. *Seed* naked, obtuse.

- annua.* 1. I. leaves lance-egg'd, stem herbaceous. *annual.*
frutescens. 2. I. leaves lanced, stem shrubby. *shrubby.*

1329. **CLIBADIUM. MALE.** *Cal.* common imbricated. *Corols* of the disk 5-cleft.

FEM. *Cal.* common the same. *Corols* of the feminine ray 3 or 4. *Seed* drupe navel'd.

surinamense.

CLIBADIUM.

Surinam.

1060. **AMARANTHUS. MALE.** *Cal.* 3 or 5-leaved. *Cor.* 0. *Stamens* 3 or 5.

FEM. *Cal.* 3 or 5-leaved. *Cor.* none. *Styles* 3. *Caps.* 1-cell'd, circumcised. *Seed* 1.

* *Three-male.*

- albus.* 9. A. glomerules three-male axillary two-parted, bractes awl'd, leaves egg'd end-nick'd lined upright. *white.*
- græcizans.* 10. A. glomerules three-male axillary, leaves lanced scollop'd obtuse.
- melancholicus.* 4. A. glomerules three-male axillary roundish sessile, leaves lanced pointed. *melancholy.*
- tricolor.* 3. A. glomerules three-male axillary roundish stem-clasping, leaves lance-egg'd colour'd. *three-colour'd.*
- polygamus.* 2. A. glomerules two-male subspiked egg'd, flowers hermaphrodite and female, leaves lanced. *polygamy.*
- gangeticus.* 5. A. glomerules three-male subspiked egg'd, leaves lance-egg'd end-nick'd. *ganges.*
- mangostanus.* 7. A. glomerules three-male subspiked rounded, leaves rhombed.
- tristis.* 6. A. glomerules three-male rounded subspiked, leaves egg-hearted end-nick'd shorter than the petiole. *sorrowful.*

710. ONE HOUSE. FIVE MALES. *Amaranthus*.

- lividus*. 8. A. glomerules three-male subspiked rounded, leaves round-egg'd retuse. *livid.*
- oleraceus*. 1. A. glomerules three-male and five-male, leaves egg'd most obtuse end-nick'd wrinkled. *potb. b.*
- Blt. m.* 11. A. glomerules lateral: flowers three-cleft, leaves egg'd retuse, stem diffused. *Blite.*
- viridis*. 12. A. glomerules three-male, male-flowers three-cleft, leaves egg'd end-nick'd, stem erect. *green.*
- deflexus*. A. flowers three-male, spikes shrubby nodding fleshy, stem diffuse. *deflected.*
- polygonoides*. 13. A. glomerules three-male axillary, leaves egg'd end-nick'd, female flowers funnel-form obtuse. *Polygonum-like.*
- scandens*. A. flowers three-male, leaves egg'd, spikes interrupted compound: spikelets inflected, stem feeble. *S. climbing.*

* * *Five-Male.*

- hybridus*. 15. A. racemes five-male decomposed collected naked, spikelets pair'd. *mule.*
- paniculatus* 16. A. racemes five-male superdecomposed: the partial ones expanding. *panicked.*
- sanguineus*. 19. A. racemes five-male compound erect: lateral ones most expanding, leaves egg-oblong. *bloody.*
- retroflexus*. 21. A. racemes five-male lateral terminal: stem winding: villous, branches recurved. *retroflexed.*
- flavus*. 18. A. racemes five-male compound: the highest one, and lowest ones nodding, leaves inverse egg'd dagger'd. *yellow.*
- hypochondriacus*. 20. A. racemes five-male compound crowded erect, leaves egg'd dagger'd. *hypochondriac.*
- cruentus*. 17. A. racemes five-male decomposed remote wide-nodding, leaves lance-egg'd. *bloody.*
- caudatus*. 14. A. racemes five-male decomposed cylindric pendulous most long. *tail'd.*
- spinosus*. 22. A. racemes five-male cylindric erect, axils thorny. *thorny.*

1276. LEEA. MALE. *Cal.* 5-cleft. *Cor.* 5-cleft with a cylindric nectary of the tube.

FEM. *Cal.* 5-cleft. *Cor.* 5-cleft with a nectary. *Pericarp* six-cell'd. *Seeds* solitary.

<i>aequata.</i> <i>crispa.</i>	1. L. stem columnar pubescent.	<i>equal.</i>
	2. L. stem angled fringed.	<i>curl'd.</i>

S I X M A L E S.

(*Hexandria.*)

1062. ZIZANIA. MALE. *Cal.* 0. *Cor.* glume 2-valved, awnless, mix'd with the females.

FEM. *Cal.* 0. *Cor.* glume 1-valved cowl'd awn'd. *Style* 2-parted. *Seed* 1, cloath'd with the plaited corol.

<i>aquatica.</i> <i>palustris.</i>	1. Z. panicled diffused.	<i>aquatic.</i>
	Z. panicle racemed below male, spiked above female.	<i>marsh.</i>
<i>terrestris.</i>	2. Z. panicled subracemed.	<i>terrestrial.</i>

1063. PHA-

1063. PHARUS. MALE. *Cal.* glume 2-valved, one flower'd. *Cor.* glume two-valved.

FEM. *Cal.* glume 2-valved, 1-flower'd. *Cor.* glume one-valved, long involving. *Seed* 1.

latifolius.

A. PHARUS.

broad-leaved.

S E V E N M A L E S.

(*Heptandria.*)

1064. GUETTARDA. MALE. *Cal.* cylindric. *Cor.* 7-cleft, funnel-form.

FEM. *Cal.* cylindric. *Cor.* 7-cleft. *Pist.* 1. *Drupe* dry.

speciosa.

I. GUETTARDA.

beautiful.

M A N Y M A L E S. *Stamens more than VII.*

(*Polyandria.*)

1065. CERATOPHYLLUM. MALE. *Cal.* many-parted. *Cor.* 0. *Stamens* 16-20.

FEM. *Cal.* many-parted. *Cor.* 0. *Pist.* 1. *Style* 0. *Seed* 1, naked. *Horn-leaf.*

demersum.

I. C. leaves two-fork-twice-double, fruit three-thorn'd.

demerged.

2. C.

submersum. 2. C. leaves two-fork-thrice-double, fruit awnless. *submerged*.

1066. MYRIOPHYLLUM. MALE. *Cal.* 4-leaved. *Cor.* 0. *Stamens* 8.
FEM. *Cal.* 4-leaved. *Cor.* 0. *Pistils* 4. *Style* 0. *Seeds* 4, naked.

spicatum. 1. M. male flowers interruptedly spiked. *spiked*.
verticillatum. 2. M. flowers all verticil'd hermaphrodite. *verticil'd*.

1067. SAGITTARIA. MALE. *Cal.* 3-leaved. *Cor.* 3-petal'd. *Filaments* mostly 24.
FEM. *Cal.* 3-leaved. *Cor.* 3-petal'd. *Pistils* many. *Seeds* many naked.

sagittifolia. 1. S. leaves arrow'd acute. *arrow-leaved*.
obtusifolia. 2. S. leaves arrow'd obtuse, stem branchy. *obtuse-leaved*.
lanceifolia. 4. S. leaves lance-egg'd. *lance-leaved*.
trifolia. 3. S. leaves three'd. S. *three-leaved*.
acutifolia. S. leaves awl'd. S. *acute-leaved*.

1156. BEGONIA. MALE. *Cal.* 0. *Cor.* 4-petal'd: *Petals* hearted: 2 opposite ones inverse-hearted. *Stamens* numerous.
FEM. *Cal.* 0. *Cor.* 4-petal'd as the male. *Styles* 3, two-cleft: *Capsf.* beneath, triangular, unequal, 3-cell'd, many-seeded.

obliqua. 1. BEGONIA. *oblique*.
ferruginea. B. shrubby, leaves most intire, flowers paniced. S. *iron*.
B.

714. ONE HOUSE. MANY MALES. Begonia.

capensis.
urticae.

B. stemless, leaves unequally toothletted. *S. cape.*
B. herbaceous diffuse, leaves twice-saw'd hispid, peduncles axillary elongate one-flower'd, fruit hispid. *S. nettle.*

1098. THELIGONUM. MALE. *Cal.* 2-cleft.
Cor. 0, *Stamens* mostly 12.

FEM. *Cal.* 2-cleft, *Cor.* 0. *Pistil*
1. *Caps.* leathery, 1-cell'd, 1-
seeded.

Cynocrambe. 1. THELIGONUM.

1069. POTERIUM. MALE. *Cal.* 4-leaved.
Cor. 4-parted. *Stamens* 30-40.

FEM. *Cal.* 4-leaved. *Cor.* 4-parted.
Pistils 2. *Berries* from the indurated tube of the corol. *Burnet.*

Sanguisorba. 1. P. unarm'd, stems subangled.

hybridum. 2. P. unarm'd, stems columnar upright.

spinosum. 3. P. thorns branchy.

mule.

thorny.

1070. QUERCUS. MALE. *Cal.* mostly 5-cleft.
Cor. 0. *Stamens* 5-10.

FEM. *Cal.* 1-leaved, most intire, rugged. *Cor.* 0. *Styles* 2-5.
Seed 1, egg'd. *Oak.*

Phellos. 1. Q. leaves lanced most intire smooth.

molucca. 2. Q. leaves lance-egg'd smooth most intire. *molucca.*

Ilex. 3. Q. leaves egg-oblong undivided and saw'd hoary underneath, bark intire. *Holly.*

Suber. 5. Q. leaves egg-oblong undivided saw'd downy underneath, bark chinky fungous. *Cork.*

coccifera. 6. Q. leaves egg'd undivided thorn-tooth'd, smooth on both sides. *grain-bearing.*

7. Q.

- Prinus.* 7. *Q.* leaves egg'd pointed at both ends sinus-saw'd ;
toothlets rounded uniform.
- nigra.* 8. *Q.* leaves wedge-form obscurely three-lobed. *black.*
- rubra.* 9. *Q.* leaves obtusely sinuous brittle-dagger'd. *red.*
- alba.* 10. *Q.* leaves obliquely feather-cleft : sinuses and angles
obtuse. *white.*
- Esculus.* 11. *Q.* leaves feather-cl-ft : divisions lanced remote acute
angled behind. *Chestnut.*
- Robur.* 12. *Q.* leaves deciduous oblong broader above : sinuses
acute, angles obtuse.
- Ægilops.* 13. *Q.* leaves egg-oblong smooth saw-scollop'd.
- Cerris.* 14. *Q.* leaves oblong lyre-feathercleft : divisions trans-
verse acute ; rather downy underneath.

1071. JUGLANS. MALE. *Cal.* 1-leaved, scale-
form. *Cor.* 6-form'd. *Filaments*
18.

FEM. *Cal.* 4-cleft, above. *Cor.* 4-
parted. *Styles* 2. *Drupe* with
nucleus furrow'd. *Walnut.*

- regia.* 1. *I.* leaflets oval smooth rather saw'd subequal. *royal.*
- alba.* 2. *I.* leaflets seven-fold lanced saw'd : with an odd one
fessile. *white.*
- nigra.* 4. *I.* leaflets fifteen-fold lanced : exterior ones less,
double ones superaxillary. *black.*
- cinerea.* 3. *I.* leaflets eleven-fold lanced one at the base shorter.
ash-colour'd.
- baccata.* 13. *I.* leaflets three-fold. *berried.*

1072. FAGUS. MALE. *Cal.* 5-cleft, bell'd.
Cor. *Stamens* 12.

FEM. *Cal.* 4-tooth'd. *Cor.* 0. *Styles*
3. *Capsule* (a calyx before) mu-
rex'd, 4-valved. *Seeds* 2. *Beech.*

- Castanea.* 1. *F.* leaves lanced point-saw'd naked underneath.
Chestnut.

716. ONE HOUSE. MANY MALES. *Carpinus*.

- pumila*. 2. F. leaves lance-egg'd acutely saw'd downy underneath,
aments thread-form knotty. *dwarf*.
sylvatica. 3. F. leaves egg'd obscurely saw'd. *wood*.

1073. *CARPINUS*. MALE. *Cal.* 1-leaved :
scale fringed. *Cor.* 0. *Stamens*
20.

FEM. *Cal.* 1-leaved : scale fringed.
Cor. 0. *Germ*s 2. *Styles* 2 to
each. *Nut* egg'd.

- Betulus*. 1. C. scales of the strobiles flat. *Birch*.
Ostrya. 2. C. scales of the strobiles inflated.

1074. *CORYLUS*. MALE. *Cal.* 1-leaved, 3-
cleft, scale-form, 1-flowered. *Cor.*
0. *Stamens* 8.

FEM. *Cal.* 2-leaved : torn. *Cor.* 0.
Styles 2. *Nut* egg'd. *Hazle*.

- Avellana*. 1. C. stipules egg'd obtuse.
Colurna. 2. C. stipules linear acute.

1075. *PLATANUS*. MALE. *Cal.* Ament glo-
bular. *Cor.* scarcely manifest.
Anthers surrounding the *Fila-*
ment.

FEM. *Cal.* Ament globular. *Cor.*
many-petal'd. *Styles* with stigma
recurved. *Seeds* roundish, dag-
ger'd at the *Style*, pappus'd at the
base. *Plane*.

- orientalis*. 1. P. leaves headed. *oriental*.
occidentalis. 2. P. leaves lobed. *occidental*.

1076. LIQUIDAMBAR. MALE. *Cal.* common 4-leaved. *Cor.* o. *Filaments* numerous.

FEM. *Cal.* in a Globe 4-leaved. *Cor.* o. *Styles* 2. *Capsules* many in a Globe, two-valved, many-seeded.

Styraciflua. 1. L. leaves hand-angled : lobes undivided acute. *Storax-flowing.*
peregrinum. 2. L. leaves oblong alternately sinuous. *foreign.*

ONE BROTHERHOOD.

(*Monadelphia.*)

1077, PINUS. MALE. *Cal.* 4-leaved. *Cor.* *Stamens* most numerous. *Antbers* naked.

FEM. *Cal.* of the strobile : scale 2-flower'd. *Cor.* o. *Pistil* 1. *Nut* received by a membranous wing.
Pine.

* *Leaves numerous from the same sheathing base.*

Sylvestris. 1. P. leaves double : primordial ones solitary smooth. *wood.*
Pinea. 2. P. leaves double : primordial ones solitary fringed.
Tæda. 3. P. leaves three-fold.
Cembra. 4. P. leaves five-fold polish'd.
Strobus. 5. P. leaves five-fold rugged on the margin, bark polish'd.

718. ONE HOUSE. ONE BROTHERHOOD. Pinus.

- | | | |
|--|---|------------------|
| <i>Cedrus.</i> | 6. P. leaves fascicled acute. | <i>Cedar.</i> |
| <i>Larix.</i> | 7. P. leaves fascicled obtuse. | <i>Larch.</i> |
| * * <i>Leaves solitary and distinct at the base.</i> | | |
| <i>Picea.</i> | 8. P. leaves solitary end nick'd. | <i>Pitch.</i> |
| <i>Balsamea.</i> | 9. P. leaves solitary rather end-nick'd : dotted with a double line underneath. | <i>Balsam.</i> |
| <i>canadensis.</i> | 10. P. leaves solitary linear obtusish submembranous. | <i>canadian.</i> |
| <i>Abies.</i> | 11. P. leaves solitary awl'd dagger'd polish'd turn'd two ways. | <i>Fir.</i> |
| <i>orientalis.</i> | 12. P. leaves solitary four-corner'd. | <i>oriental.</i> |

1078. THUJA. MALE. *Cal.* scale of the ament. *Cor.* 0. *Stamens* 4.

FEM. *Cal.* of the strobile : scale 2-flower'd. *Cor.* 0. *Pistil* 1. *Nut* 1, girt with an end-nick'd wing. *Arbor vitæ.*

- | | | |
|----------------------|--|--------------------|
| <i>occidentalis.</i> | 1. T. strobiles polish'd : scales obtuse. | <i>occidental.</i> |
| <i>orientalis.</i> | 2. T. strobiles ragged : scales acute. | <i>oriental.</i> |
| <i>aphylla.</i> | 3. T. strobiles four-valved, leaves top-shape sheathing, dagger'd at one end. | <i>leafless.</i> |
| <i>dolabrata.</i> | T. fronds two-egg'd, leaves three-ways incumbent proliferous convex green, excavated underneath white. <i>S.</i> | <i>ax'd.</i> |

1079. CUPRESSUS. MALE. *Cal.* scale of the ament. *Cor.* 0. *Anthems* 4, sessile without filaments.

FEM. *Cal.* of the strobile : scale 1-flower'd. *Cor.* 0. *Styles* with a hollow point. *Nut* angled. *Cypress.*

- | | | |
|----------------------|---|--------------------|
| <i>sempervirens.</i> | 1. C. leaves imbricated, fronds quadrangular. | <i>evergreen.</i> |
| <i>disticha.</i> | 2. C. leaves two-rank'd expanding. | <i>two-rank'd.</i> |
| <i>Thuoides.</i> | 3. C. leaves imbricated, fronds two-edg'd. | <i>Thuia-like.</i> |

4. C.

MONOECIA. MONADELPHIA. Cupressus. 719.

- juniperoides*. 4. C. leaves opposite decussate awl'd spreading. *juniper-like*.
japonica. C. leaves three or four-sided awny sickled four-furrow'd depresso'd with a keel decurrent confluent. S. *Japan*.

1080. PLUKENETIA. MALE. Cal. 0. Petals 4. Stamens 8. Nectaries 4, bearded.

FEM. Cal. 0. Petals 4. Style most long with stigma targetted 4-lobed. Caps. 4-grain'd.

volubilis. P. fruit with angles warty. S. *twining*.

1081. DALECHAMPIA. The common exterior *Involucre* with leaflets 4, the interior one with leaflets 2, three-cleft.

MALE. umbellet 10-flower'd: *involucel* 2-leaved: chaff numerous. *Proper Perianth* 5-leaved. *Cor.* none. *Filaments* most numerous, conjoined.

FEM. *Florets* 3. *Involucel* 3-leaved. *Proper Perianth* with leaflets 11. *Cor.* 0. *Style* thread-form. *Caps.* 3-grain'd.

colorata.
lucida.

D. leaves most intire. S.
D. leaves three-cleft saw'd. S.

colour'd.
climbing.

1082. ACALYPHA. MALE. *Cal.* 3 or 4-leaved.*Cor.* 0. *Stamens* 8-16.FEM. *Cal.* 3-leaved. *Cor.* 0. *Styles*3. *Capsf.* 3-grain'd, 3-cell'd.*Seed* 1.

- virginica.* 1. A. female involucre hearted gash'd, leaves egg-lanced longer than the petiole. *virginian.*
- virgata.* 2. A. female spikes with involucre hearted saw'd; male ones distinct leafless, leaves lance-egg'd. *twiggy.*
- indica.* 3. A. female involucre hearted rather notch'd, leaves egg'd shorter than the petiole. *indian.*
- australis.* 4. A. female involucre most intire, leaves lanced obtuse. *southern.*
- villosa.* A. female involucre most small tooth'd most villous, spikes elongate, leaves egg'd pointed saw'd longer than the petiole. *S. villous.*

1083. CROTON. MALE. *Cal.* cylindric, 5-tooth'd. *Corol* 5-petal'd. *Stamens* 10-15.FEM. *Cal.* many-leaved. *Cor.* 0. *Styles* 3, two-cleft. *Capsules* 3-cell'd. *Seed* 1. *Tallow-tree.*

- variegatum.* 3. C. leaves lanced most intire smooth painted petioled. *variegated.*
- Cascarilla.* 4. C. leaves lanced acute most intire petioled downy underneath, stem arborescent.
- Benzoe.* C. leaves linear rather scollop'd naked: with veins red.
- castaneifolium.* 1. C. leaves lanced obtuse saw'd petiol'd smooth. *chestnut-leaved.*
- palustre.* 2. C. leaves egg-lanced plaited saw'd ragged. *marsh.*
- glabellum.* 5. C. leaves egg'd obtusifish most intire polish'd fruit pendent. *smooth.*

6. C.

- tinctorium.* 6. C. leaves rhombed scollop'd, capfuls pendulous, stem herbaceous. *dyers.*
- glandulosum.* 7. C. leaves oblong saw'd two-glanded at the base, fruit sessile. *glandular.*
- argenteum.* 8. C. leaves heart-egg'd downy underneath intire saw'd. *silver.*
- sebiferum.* 9. C. leaves rhomb-egg'd pointed most intire smooth. *tallow-bearing.*
- Tiglium.* 10. C. leaves egg'd smooth pointed saw'd, stem arbore-scent.
- lucidum.* C. leaves egg'd smooth flowers spiked, styles many-cleft flat-pubescent shrubby. *lucid.*
- lacciferum.* 12. C. leaves egg'd downy saw letted petioled, calyxes downy. *lac-bearing.*
- balsamiferum.* 22. C. leaves egg-lanced rugged most intire downy underneath. *balsam-bearing.*
- aromaticum.* 14. C. leaves hearted rugged rather saw'd petioled, stem arbore-scent. *aromatic.*
- humile.* 16. C. leaves hearted most intire rugged rather fringed downy underneath, stem shrubby. *humble.*
- Ricinocarpos.* 17. C. leaves rather hearted notch'd peduncles racemed leaf-opposed, stem herbaceous. *Tick-fruit.*
- moluca-num.* 15. C. leaves hearted angled rugged downy underneath. *molucca.*
- flavens.* 13. C. leaves hearted oblong most intire downy on both sides, branchlets moredensely downy. *yellow.*
- hastatum.* 18. C. leaves three-lobe-halberted lanced tooth'd. *halberted.*
- lobatum.* 19. C. leaves unarmi-saw'd: inferiour ones five-lobed; superiour ones three-lobed. *lobed.*
- spinosum.* 20. C. leaves handed five-lobed and three-lobed thorn-saw'd, flowers scattered on the stem subsessile. *thorny.*
- urens.* 21. C. leaves three'd saw'd lanced. *stinging.*
- capense.* C. leaves halberted and undivided lanced most intire most smooth. *S. cape.*
- Japonicum.* C. leaves rhomb-egg'd pointed smooth five-nerved, panicle terminal villous. *S. Japan.*

279. CUPANIA. MALE. *Cal.* 3-leaved. *Cor.* 5-petal'd. *Stamens* 5.
 FEM. *Cal.* 3-leaved. *Cor.* 3-petal'd.
Style 3-cleft. *Capsules* 3-cell'd.
Seeds two-fold.

americana. I. CUPANIA. *american.*

1084. JATROPHA. MALE. *Calyx* 0. *Corol* 1-petal'd, funnel-form. *Stamens* 10: alternate ones shorter. *Capsula*.
 FEM. *Calyx* 0. *Corol* 5-petal'd, expanding. *Styles* 3 two-cleft. *Capsules* 3-cell'd. *Seed* 1.

- gossypifolia.* 1. I. leaves five-parted: lobes egg'd intire: bristles glandular branchy. *Cotton-leaved.*
moluccana. 2. I. leaves egg'd most intire rather tooth'd. *molucca.*
Curcas. 3. I. leaves hearted angled.
multifida. 4. I. leaves many-parted polish'd, stipules bristly many-cleft. *many-cleft.*
Manihot. 5. I. leaves handed: lobes lanced most intire polish'd.
Fanipha. 8. I. leaves handed: lobes most intire: the intermediate ones lobed with a sinus on both sides.
urens. 6. I leaves handed tooth'd prickly. *stinging.*
herbacea. 7. I. prickly, leaves three-lobed, stem herbaceous. *herbaceous.*
elastica. I. ? leaves three'd elliptic most intire hoary underneath longly petioled. *S. elastica.*

1085. RICINUS. MALE. *Cal.* 5-parted. *Cor.*
 o. *Stamens* numerous. *Palma*
Christi.

FEM. *Cal.* 3-parted. *Cor.* o. *Styles*
 3, two-cleft. *Capsf.* 3-cell'd.
Seed 1.

communis. 1. R. leaves targetted rather saw'd. *common.*
Tanarius. A. R. leaves targetted scollop'd.
Mappa. B. R. leaves targetted undivided.

1086. STERCULIA. MALE. *Cal.* 5-parted.
Cor. o. *Filaments* 15.

FEM. *Cal.* 5-parted. *Cor.* o. *Germ*
 fitting on the column. *Capsf.* 5-
 cell'd, many-seeded.

Balanghas. 1. S. leaves egg'd most intire petioled, flowers paniced.
foetida. 2. S. leaves finger'd. *fetid.*
platanifolia. S. hermaphrodite, leaves hearted lobed, flowers pa-
 nicled. S. *Plane-leaved.*

1088. HIPPOMANE. MALE. *Ament.* *Peri-*
anth 2-cleft. *Cor.* o.

FEM. *Periantb* 3-cleft. *Cor.* o.
Stigma 3-parted. *Drupe* or *Capsf.*
 3-grained.

Mancinella. 1. H. leaves egg'd saw'd two-glanded at the base. *Man-*
chineel.
biglandulosa. 2. H. leaves egg-oblong two glanded at the base. *two-*
glanded.
spinosa. 3. H. leaves rather egg'd tooth-thorny. *thorny.*

1279. *STILLINGIA*. MALE. *Cal.* hemispheric, many-flower'd. *Cor.* tubular gnaw'd.

FEM. *Cal.* 1-flower'd, beneath. *Cor.* above. *Style* 3-cleft. *Caps.* 3-grain'd.

sylvatica. I. *STILLINGIA.* *wood.*

1278. *GNETUM*. MALE. Scale of the *Ament.* *Cor.* o. *Filament* 1, with anthers two-fold.

FEM. Of the same *Ament.* *Cor.* o. *Style* with stigma two-cleft. *Drupe* 1-seeded.

Gnemon. I. *GNETUM.*

1087. *HURA*. MALE. *Ament* imbricated. *Perriantb* lop'd. *Cor.* o. *Filaments* cylindric, targetted at top, girt. *Antbers* most numerous double.

FEM. *Cal.* o. *Cor.* o. *Style* funnel-form. *Stigma* 12-cleft. *Caps.* 12-cleft. *Seed* 1.

crepetans. I. *HURA.* *crackling.*

C O N F E D E R A T E M A L E S.

(*Syngenesia*.)

1089. TRICHOSANTHES. MALE. *Cal.* 5-tooth'd. *Cal.* 5-parted, fringed. *Filaments* 3.

FEM. *Cal.* 5-tooth'd. *Cor.* 5-parted, fringed. *Style* 3-cleft. *Pome* oblong.

- Anguina.* 1. T. pomes columnar oblong incurved.
nerosifolia. 2. T. pomes egg'd acute, leaves hearted oblong 3-nerved tooth'd. *nerve-leaved.*
cucumerina. 3. T. pomes egg'd acute, leaves hearted angled. *cucumber.*
amara. 4. T. pomes top-egg'd. *bitter.*

1090. MOMORDICA. MALE. *Cal.* 5-cleft. *Cor.* 6-parted. *Filaments* 3.

FEM. *Cal.* 5-cleft. *Cor.* 5-parted. *Styles* 3-cleft. *Pome* bursting elastically.

- Balsamina.* 1. M. pomes angled tubercled, leaves smooth wide-handed. *balsamine.*
Charantia. 2. M. pomes angled tubercled, leaves villous longitudinally handed.
Operculata. 3. M. pomes angle-tubercled lidded with a deciduous top, leaves lobed. *lidded.*
Luffa. 4. M. pomes oblong : furrows chainletted, leaves gash'd.
cylindrica. 5. M. pomes cylindric most long, leaves with angles acute. *cylindric.*
trifolia. 6. M. pomes egg'd murex'd, leaves three'd tooth'd. *three-leaved.*

726. ONE BROTHERHOOD. CONFEDERATE MALES. *Momordica*.

- pedata*. 7. *M. pomes* striated, leaves footed saw'd. *footed*.
Elaterium. 8. *M. pomes* hispid, tendrils none.

1091. CUCURBITA. MALE. *Cal.* 5-tooth'd.
Cor. 5-cleft. *Filaments* 3.

FEM. *Cal.* 5-tooth'd. *Cor.* 5-cleft.
Pistil 5-cleft. *Seeds* of the Pome
with a tumid margin. *Gouard*.

- lagenaria*. 1. *C.* leaves subangled downy two-glanded underneath
at the base, pomes woody. *flaggon*.
ovifera. 6. *C.* leaves lobed, pomes inverse-egg'd. tendrils seven-
finger'd. *egg-bearing*.
Pepo. 2. *C.* leaves lobed, pomes polish'd.
verrucosa. 3. *C.* leaves lobed, pomes knot-warted. *warty*.
Melopepo. 4. *C.* leaves lobed, stem erect, pomes depress'd knotty.
Citrullus. 5. *C.* leaves many-parted.

1092. CUCUMIS. MALE. *Cal.* 5-tooth'd.
Cor. 5-parted. *Filaments* 3.

FEM. *Cal.* 5-tooth'd. *Cor.* 5-parted.
Pistil 3-cleft. *Seeds* of the Pome
sharp. *Cucumber*.

- Colocynthis*. 1. *C.* leaves many-cleft, pomes globular smooth.
prophetarum. 2. *C.* leaves hearted five-lobed tooth-letted obtuse, po-
mes globular thorn murex'd. *of the Prophets*.
Anguria. 3. *C.* leaves hand-sinuuous, pomes globular hedge-hog'd.
acutangulus. 4. *C.* leaves round-angled, pomes with ten acute angles.
Melo. 5. *C.* angles of the leaves rounded, pomes wreathed.
Dudaim. 6. *C.* angles of the leaves rounded, pomes spherical, with
navel refuse. *melon*.
Chate. 7. *C.* shaggy, angles of the leaves intire rounded, po-
mes spindle-form attenuated at both ends
shaggy.
fativus. 8. *C.* angles of the leaves straight, pomes oblong rugged.
cultivated.
10. *C.*

- anguinus.* 10. C. leaves lobed, pomes cylindric most long polish'd
writhed. *snake.*
- flexuosus.* 9. C. leaves angle-sublobed, pomes cylindric furrow'd
curved. *winding.*
- maderaspatanus.* 11. C. leaves hearted intire tooth-letted, pomes giobular
smooth. *Madras.*
- africanus.* C. pomes oval hedge-hog'd, leaves handed sinuous,
stem angled. *S. african.*

1093. BRYONIA. MALE. *Cal.* 5-tooth'd. *Cor.*
5-parted. *Filaments* 3.

FEM. *Cal.* tooth'd. *Cor.* 5-parted.
Style 3-cleft. *Berry* subglobular,
many-seeded. *Bryony.*

- alba.* 1. B. leaves handed callous-rugged on both sides. *white.*
- palmata.* 2. B. leaves handed polish'd five-parted: divisions lanced
scollop-saw'd. *handed.*
- grandis.* 7. B. leaves hearted angled glanded underneath at the
base. *great.*
- cordifolia.* 3. B. leaves hearted oblong five-lobed tooth'd rugged,
petioles two-tooth'd. *heart-leaved.*
- laciniosa.* 4. B. leaves handed: divisions lanced saw'd, petioles
murex'd. *jagg'd.*
- africana.* 5. B. leaves handed five-parted polish'd on both sides:
divisions feather-cleft. *african.*
- cretica.* 6. B. leaves handed callous-dotted above. *cretan.*
- scabra.* B. leaves hearted angled tooth'd callously dotted above
hairy beneath rugged on both sides, flowers
umbell'd. *S. rugged.*
- scabrella.* B. leaves hearted five-angled tooth'd most rugged
glandless. *S. ruggedish.*

1094. SICYOS. MALE. *Cal.* 5-tooth'd. *Cor.*
5-parted. *Filaments* 3.

FEM. *Cal.* 5-tooth'd. *Cor.* 5-parted.
Style 3-cleft. *Drupe* 1-seeded.

- angulata.* 1. S. leaves angled. *angled.*
- laciniata.* 2. S. leaves jagg'd. *jagg'd.*
- Garcini.* S. leaves five-parted gnaw-tooth'd, fruit fringed.

FEMININE MALES.

(*Gynandria.*)

1095. ANDRACHNE. MALE. *Cal.* 5-leaved.
Cor. 5-petal'd. *Stamens* 5, in-
serted on the rudiment of the
Style.

FEM. *Cal.* 5-leaved. *Cor.* 0. *Styles*
3. *Caps.* 3-cell'd. *Seeds* 2.

Telephioides. I. A. procumbent herbaceous.
fruticosa. A. A. erect herbaceous.

Telephium-like.
shrubby.

1320. AGYNEJA. MALE. *Cal.* 6-leaved. *Cor.*
0. *Anthers* 3, growing to the
rudiment of the *Style.*

FEM. *Cal.* 6-leaved. *Cor.* none.
Germ perforated at the top with-
out *Style* or *Stigma.* *Wifeless.*

impubes.
pubera.

A. leaves smooth on both sides.
A. leaves downy underneath.

impubescent.
pubescent.

1099 CECROPIA.

♂ *Spathe* receptacle common. *Cor.* none♀ *Spathe* receptacle common. *Cor.* 0.*Pist.* 1. *Berry* 1-seeded.

1098 SALIX.

♂ *Ament* scale. *Cor.* none. *Stamens* 2,
feldom 5.♀ *Ament* scale. *Cor.* 0. *Stigmas* 2. *Capsf.*
2-valved. *Seeds* pappus'd.

T H R E E M A L E S.

(*Triandria.*)

1100 EMPETRUM.

♂ *Cal.* 3-parted. *Cor.* 3-petal'd.♀ *Cal.* 3-parted. *Cor.* 3-petal'd. *Styles*
9. *Berries* 9-seeded.

1101 OSYRIS.

♂ *Cal.* 3-cleft. *Cor.* none.♀ *Cal.* 3-cleft. *Cor.* 0. *Style* 1. *Berry*
1-seeded.

1280 CATURUS.

♂ *Cal.* 0. *Cor.* 3-cleft.♀ *Cal.* 3-parted. *Cor.* 0. *Styles* 3. *Capsf.*
3-grain'd.

1102 EXOECARIA.

♂ *Ament* scale. *Cor.* none.♀ *Ament* scale. *Cor.* 0. *Styles* 3. *Capsf.*
3-grain'd.

1331 RESTIO.

♂ *Ament* scale. *Cor.* 6-petal'd.♀ *Ament* scale. *Cor.* 6-petal'd. *Styles* 3.
Capsf. 3-cell'd, plaited, many seeded.

1431 MABA.

♂ *Perianth* three-cleft. *Cor.* 3-cleft.♀ *Perianth* as in the male. *Drupe* above,
2-cell'ed. *S.*

F O U R M A L E S.

(Tetrandria.)

- 1106 HIPPORHÆ. ♂ *Cal.* 2-parted. *Cor.* none.
 ♀ *Cal.* 2-cleft. *Cor.* none. *Pist.* 1. *Berry*
 1-seeded: aril lop'd.
- 1103 TROPHIS. ♀ *Cal.* none. *Cor.* 4-petal'd.
 ♀ *Cal.* none. *Cor.* 0. *Styles* two-cleft.
Berry 1-seeded.
- 1105 UISCUM. ♂ *Cal.* 4-parted. *Cor.* none.
 ♀ *Cal.* 4-leaved. *Cor.* 0. *Stigma* obtuse.
Berry 1-seeded, beneath.
- 1104 BATHIS. ♂ *Cor.* none.
 ♀ *Involucre* 2-leaved. *Cor.* 0. *Stigma* 2-
 cleft. *Berry* 2-seeded.
- 1107 MYRICA. ♂ *Ament* scale. *Cor.* none.
 ♀ *Ament* scale. *Cor.* 0. *Styles* 2. *Berry*
 1-seeded.
- 1432 MONTINIA. ♂ *Perianth* above. *Petals* 4.
 ♀ *Cal.* and *Cor.* as in the male. *Styles* 2-
 cleft. *Capsf.* oblong, 2-cell'd. *S.*
- * *Various Nettles.* * *Black Mulberry.*
 * *Rhamnus.*

F I V E M A L E S.

(Pentandria.)

- 1113 IRESINE. ♂ *Cal.* 2-leaved. *Cor.* 5-petal'd. *Nectary*
 5-leaved.
 ♀ *Cal.* 2-leaved. *Cor.* 5-petal'd. *Styles* 2.
Capsf. many-seeded.
- 1115 CANNABIS. ♂ *Cal.* 5-parted. *Cor.* none.
 ♀ *Cal.* 1-leaved. *Cor.* 0. *Styles* 2. *Nut.*

- 1116 HUMULUS. ♂ *Cal.* 5-leaved. *Cor.* none.
♀ *Cal.* 1-leaved. *Cor.* 0. *Styles* 2. *Seed*
wing'd with the calyx.
- 1108 PISTACIA. ♂ *Cal.* 5-cleft. *Cor.* none.
♀ *Cal.* 3-cleft. *Cor.* 0. *Styles* 3. *Drupe*
dry.
- 1117 ZANONIA. ♂ *Cal.* 3-leaved. *Cor.* 5-parted.
♀ *Cal.* 3-leaved. *Cor.* 5-parted. *Styles* 3.
Berry beneath, 3-celled.
- 1112 SPINACIA. ♂ *Cal.* 5-parted. *Cor.* none.
♀ *Cal.* 4-cleft. *Cor.* 0. *Styles* 4. *Seed* 1,
calyx'd.
- 1114 ACNIDA. ♂ *Cal.* 5-leaved. *Cor.* none.
♀ *Cal.* 2-leaved. *Cor.* 0. *Styles* 5. *Seed* 1,
with calyx bladder'd.
- 1110 ANTIDESMA. ♂ *Cal.* 5-leaved. *Cor.* none.
♀ *Cal.* 5-leaved. *Cor.* 0. *Stigmas* 5. *Berry*
1-feeded.
- 1111 ASTRONIUM. ♂ *Cal.* 5-leaved. *Cor.* 5-petal'd. *Nectary*
with glands 5.
♀ *Cal.* 5-leaved. *Cor.* 5-petal'd. *Styles* 3.
Seed 1.
- 1281 CANARIUM. ♂ *Cal.* 2-leaved. *Cor.* 3-petal'd.
♀ *Cal.* 2-leaved. *Cor.* 3-petal'd. *Stigma*
fessile. *Drupe*.
- 1109 ZANTHOXYLON. ♂ *Cal.* 5-parted. *Cor.* none.
♀ *Cal.* 5-parted. *Cor.* 0. *Pistils* 5. *Caps.*
1-feeded.
- 1118 FEWILLEA. ♂ *Cal.* 5-parted. *Cor.* 5-cleft. *Nectary.*
Filaments 5.
♀ *Cal.* 5-cleft. *Cor.* 5-cleft. *Styles* 5.
Berry beneath.

* *Phylica dioica.* *Rhamnus Alaternus.*

* *Salix pentandra.*

S I X M A L E S.

(*Hexandria.*)

- 1120 SMILAX. ♂ *Cal.* 6-leaved. *Cor.* none.
 ♀ *Cal.* 6-leaved. *Cor.* o. *Styles* 3. *Berry*
 above, 3-cell'd.
- 1119 TAMUS. ♂ *Cal.* 6-leaved. *Cor.* none.
 ♀ *Cal.* 6-leaved. *Cor.* o. *Styles* 3-cleft.
Berry beneath 3-cell'd.
- 1122 DIOSCOREA. ♂ *Cal.* 6-leaved. *Cor.* none.
 ♀ *Cal.* 6-leaved. *Cor.* o. *Styles* 3. *Caps.*
 above, 3-cell'd.
- 1121 RAJANIA. ♂ *Cal.* 6-leaved. *Cor.* o. *Styles* 3. *Seed*
 beneath with wing ear'd.

* *Rumex Acetosa, Acetofella, aculeata.*

E I G H T M A L E S.

(*Octandria.*)

- 1123 POPULUS. ♂ *Ament* torn. *Cor.* o. *Nectary* egg'd.
Stamens 8-16.
 ♀ *Ament* torn. *Cor.* o. *Stigma* 4-cleft.
Caps. 2-valved. *Seeds* papus'd.
- 1124 RHODIOLA. ♂ *Cal.* 4-parted. *Cor.* 4-petal'd.
 ♀ *Cal.* 4-parted. *Cor.* o. *Pistils* 4. *Caps.* 4,
 many-seeded.
- 1433 MARGARITARIA. ♂ *Cal.* 4-tooth'd. *Petals* 4.
 ♀ *Cal.* and *Cor.* as in the male. *Styles* 4 or
 5. *Berry* cartilaginous 4 or 5-grain'd.
 S.

* *Laurus nobilis. Acer rubrum. Loranthus*
europeus.

N I N E M A L E S .

(Enneandria.)

- 1125 MERCURIALIS. ♂ *Cal.* 3-leaved. *Cor.* none. *Stamens*
9-12.
♀ *Cal.* 3-leaved. *Cor.* 0. *Styles* 2. *Capsf.*
2-grain'd.
- 1126 HYDROCHARIS. ♂ *Cal.* 3-leaved. *Cor.* 3-petal'd.
♀ *Cal.* 3-leaved. *Cor.* 3-petal'd. *Styles* 6.
Capsf. beneath, 6-cell'd.

* *Laurus*, if every species?

T E N M A L E S .

(Decandria.)

- 1127 CARICA. ♂ *Cal.* nearly none. *Cor.* 5-cleft.
♀ *Cal.* 5-tooth'd. *Cor.* 5-petal'd. *Stig-*
mas 8. *Berry* many-seeded.
- 1128 KIGGELARIA. ♂ *Cal.* 5-parted. *Cor.* 5-petal'd. *Nectary*
glands 5.
♀ *Cal.* 5-parted. *Cor.* 5-petal'd. *Styles* 5.
Capsf. 5-valved.
- 1129 CORIARIA. ♂ *Cal.* 5-leaved. *Cor.* 5-petal'd.
♀ *Cal.* 5-leaved. *Cor.* 5-petal'd. *Styles* 5.
Berry 5-seeded: petaline.
- 1130 SCHINUS. ♂ *Cal.* 5-cleft. *Cor.* 5-petal'd.
♀ *Cal.* 5-cleft. *Cor.* 5-petal'd. *Berry* 3-
grain'd.

* *Lychnis dioica.* * *Cucubalus otites.** *Guilandina dioica.* * *Phytolacca discica.*

TWELVE

T W E L V E M A L E S .

(*Dodecandria.*)

- 1348 EUCLEA. ♂ *Cal.* 5-tooth'd. *Cor.* 5-petal'd. *Stamens*
15.
♀ *Cal.* 5-tooth'd. *Cor.* 5-petal'd. *Styles* 2.
1131 MENISPERMUM. ♂ *Cal.* 2-leaved. *Cor.* 12-petal'd.
♀ *Cal.* 6-leaved. *Cor.* 6-petal'd. ; *Berry* 3-
grain'd.
1132 DATISCA. ♂ *Cal.* 5-leaved. *Cor.* none. *Anthers* fe-
file, 15.
♀ *Cal.* 2-tooth'd, above. *Cor.* 0. *Capsf.*
1-cell'd, many-seeded.

T W E N T Y M A L E S .

(*Icosandria.*)* *Spiraea Aruncus.* * *Rubus chamæmonis.*

M A N Y M A L E S .

(*Polyandria.*)

- 1133 CLIFFORTIA. ♂ *Cal.* 3-leaved. *Cor.* none.
♀ *Cal.* 3-leaved. *Cor.* 0. *Styles* 2. *Capsf.*
2-grain'd, beneath.
1434 HEDYCARYA. ♂ *Cal.* 8 or 10-cleft. *Cor.* none.
♀ *Cal.* and *Cor.* as in the male. *Germ*s pe-
dicel'd. *Nut* pedicel'd, one-seeded. *S.*
* *Clematis dioica.* * *Thalictrum dioicum.*

O N E

O N E B R O T H E R H O O D .

(*Monadelphia.*)

- 1134 JUNIPERUS. ♂ *Ament.* *Cor.* none. *Stamens* 3.
 ♀ *Cal.* 3-parted. *Cor.* 3-petal'd. *Styles* 3.
Berry beneath, 3-seeded, calyx'd.
- 1135 TAXUS. ♂ *Cal.* 4-leaved. *Cor.* none, *Anthers* 8-
 cleft.
 ♀ *Cal.* 4-leaved. *Cor.* 0. *Stigma* 1. *Berry*
 1-seeded, circumcised.
- 1136 EPHEDRA. ♂ *Ament* 2-cleft. *Cor.* none. *Stamens* 7.
 ♀ *Cal.* imbricated. *Cor.* 0. *Pistils* 2. *Berry*
 2-seeded, calyx'd.
- 1138 CISSAMPELOS. ♂ *Cal.* none. *Cor.* 4-petal'd. *Stamens* 4.
 ♀ *Cal.* none. *Cor.* 0. *Stigmas* 3. *Berry*
 1-seeded.
- 838 NAPÆA. ♂ *Cal.* 5-cleft. *Cor.* 5-petal'd. *Stamens*
 most numerous. *Styles* numerous.
 ♀ *Cal.* 5-cleft. *Cor.* 5-petal'd. *Stamens*
 numerous barren. *Styles* numerous. *Arils*
 10 in an orb.
- 1137 ADELIA. ♂ *Cal.* 3-parted. *Cor.* none. *Stamens* 20.
 ♀ *Cal.* 5-parted. *Cor.* 0. *Styles* 3. *Capsf.*
 3-grain'd.
- * *Napaea dioica.*

C O N F E D E R A T E M A L E S .

(*Syngenesia.*)

- 1139 RUSCUS. ♂ *Cal.* 6-leaved. *Cor.* none. *Stamens* 5.
 ♀ *Cal.* 6-leav'd. *Cor.* 0. *Pistil* 1. *Berry*
 3-cell'd, 2-seeded.
- * *Gnaphalium dioicum.*

FEMININE

F E M I N I N E M A L E S .

(*Gynandria.*)

1140 CLUTIA.

♂ *Cal.* 5-leaved. *Cor.* 5-petal'd. *Stamens* 5.
 ♀ *Cal.* 5-leaved. *Cor.* 5-petal'd. *Styles* 3.
Caps. 3-grained.

1096. NAJAS

738. TWO HOUSES. ONE MALE. Najas.

1096. NAJAS. MALE. *Cal.* cylindric, 2-cleft.
Cor. 4-cleft. *Filaments* none.
FEM. *Cal.* o. *Cor.* o. *Pistil* 1.
Capsules egg'd, one-cell'd.

marina: I. NAJAS. *sea.*

1430. PANDANUS. MALE. *Cal.* o. *Cor.* o.
Anthers sessile, inserted on the
ramifications of the thyrsa.
FEM. *Cal.* o. *Cor.* o. *Stigmas* 2.
Fruit compound. *S.*

odoratissimus. PANDANUS. *most odorous.*

T W O M A L E S.

(*Diandria.*)

1097. VALLISNERIA. MALE. *Spathe* two-
parted. *Spadix* cover'd with flo-
rets. *Cor.* 3-parted.
FEM. *Spathe* 2-cleft, 1-flower'd.
Cal. 3-parted, above. *Cor.* 3-
petal'd. *Styles* 3. *Caps.* 1-cell'd,
many-seeded.

spiralis. I. VALLISNERIA. *spiral.*

1099. CECROPIA

1099. CECROPIA. MALE. *Spathe* falling.
Aments imbricated with scales
top-shape, nearly four-corner'd.
Cor. 0.

FEM. As in the male. *Germ*s im-
bricated. *Style* 1. *Stigma* torn.
Berry 1-seeded.

peltata. A CECROPIA. *targetted.*

1098. SALIX. MALE. Scales of the *Ament.*
Cor. 0. *Gland* of the base nec-
tar-bearing.

FEM. Scales of the *Ament.* *Cor.* 0.
Styles 2-cleft. *Caps.* 1-cell'd,
2-valved. *Seeds* pappus'd. *Wil-*
low.

* *Leaves* smooth saw'd.

- hermaphrodi-* 1. S. leaves saw'd smooth, flowers hermaphrodite two-
tica. male. *hermaphrodite.*
- triandra.* 2. S. leaves saw'd smooth, flowers three-male. *three-*
male.
- pentandra.* 3. S. leaves saw'd smooth, flowers three-male. *fruc-*
male.
- phylicifolia.* 4. S. leaves saw'd smooth lanced : notches waved. *Phy-*
lica-leaved.
- vitellina.* 5. S. leaves saw'd egg'd acute smooth : sawings cartila-
ginous, petioles callous-dotted. *yellow.*
- amygdalina.* 6. S. leaves saw'd smooth lanced petioled, stipules tra-
pezium-form. *almond.*
- bastata.* 7. S. leaves saw'd smooth rather egg'd acute sessile, sti-
pules nearly hearted. *halberted.*
- egyptiaca.* 12. S. leaves rather saw'd lance-egg'd naked vein'd, pe-
tioles simple unstipuled. *egyptian.*
- fragilis.* 8. S. leaves saw'd smooth egg-lanced, petioles tooth-
glanded. *fragile.*

- babylonica.* 9. S. leaves saw'd smooth linear-lanced, branches pendulous. *Babylon.*
- purpurea.* 10. S. leaves saw'd smooth lanced : inferiour ones opposite. *purple.*
- Helix.* 11. S. leaves saw'd smooth lance-linear : superiour ones opposite oblique.
- myrsinites.* 13. S. leaves saw'd smooth egg'd vein'd.
- arbuscula.* 14. S. leaves rather saw'd smooth subdiaphanous sea-green underneath, stem shrubbyish. *shrubbyish.*
- herbacea.* 16. S. leaves saw'd smooth orbicular. *herbaceous.*
- retusa.* 15. S. leaves rather saw'd smooth inverse egg'd most obtuse. *retuse.*

* * *Leaves smooth most intire.*

- reticulata.* 17. S. leaves most intire smooth egg'd obtuse. *netted.*
- myrtilloides.* 18. S. leaves intire smooth egg'd acute. *myrtle-like.*
- glauca.* 19. S. leaves most intire most finely villous underneath egg-oblong. *sea-green.*

* * * *Leaves most intire villous.*

- aurita.* 20. S. leaves most intire villous on both sides inverse egg'd appendaged. *ear'd.*
- lanata.* 21. S. leaves woolly on both sides roundish acute. *woolly.*
- lapponum.* 22. S. leaves most intire shaggy-lanced. *Lapland.*
- arenaria.* 23. S. leaves intire egg'd acute subvillous above, downy underneath. *sand.*
- incubacea.* 24. S. leaves most intire lanced : villous underneath glossy, stipules egg'd acute. *incubaceous.*
- repens.* 25. S. leaves most intire lanced nakedish on both sides, stem creeping. *creeping.*
- fusca.* 26. S. leaves most intire egg'd pubescent underneath. *brown.*
- rosmarini-folia.* 27. S. leaves most intire lance-linear upright sessile downy underneath. *rosmary-leaved.*

* * * * *Leaves rather saw'd villous.*

- caprea.* 28. S. leaves egg'd wrinkled downy underneath waved tooth-letted upwards. *tendr'd.*
- viminalis.* 29. S. leaves very intire lance linear most long acute silky underneath, branches twiggy. *twiggy.*
- cinerea.* 30. S. leaves rather saw'd oblong-egg'd subvillous stipules half-hearted. *ash-colour'd.*

- alba.* 29. S. leaves lanced pointed saw'd pubescent on both sides :
lowest sawings glanded. *white.*

T H R E E M A L E S.

(*Triandria.*)

1100. EMPETRUM. MALE. *Cal.* 3-parted.
Cor. 3-petal'd. *Stamens* long.
FEM. *Cal.* 3-parted. *Cor.* 3-petal'd.
Styles 9. *Berry* 9-seeded. *Crow-*
berry.

- album.* 1. E. erect. *white.*
nigrum. 2. E. procumbent. *black.*

1101. OSYRIS. MALE. *Cal.* 3-cleft. *Cor.* 0.
FEM. *Cal.* 3-cleft. *Cor.* 0. *Style* 0.
Stigma roundish. *Drupe* one-
cell'd.

- alba.* 1. OSYRIS. *white.*

1331. RESTIO. MALE. CAL. spike egg'd, imbricated with scales one-flower'd, membranous.

COR. *Petals* 6, oblongish, membranous, permanent.

STAM. *Filaments* 3, capillary. *Anthers* oblong, erect.

FEM. CAL. as in the male.

COR. as in the male.

PIST. *Germ* beneath. *Styles* 3, awl'd, permanent. *Stigmas* thread-form.

PER. *Caps.* 3-cell'd, roundish, 6-plaited: plaits equal approximated, styles converging.

SEEDS few, oblong-cylindric obtuse.

paniculatus.
dichotomus.
virmineus.
triflorus.

R. stem leafy, spikes panicled. *panicled.*
R. culms two-fork'd, spikes solitary. *two-fork'd.*
R. culms simple, spikes corymbed. *twiggy.*
R. culms simple, spikes alternate sessile simple. *three-flower'd.*

simplex.
Elegia.

R. culms simple, spike terminal. *simple.*
R. culms simple, spike glomerate, spathes partial vague simple.

cernuus.

R. culm simple leafless, spikes top-shape pendulous. *bowing.*
S.

verticillatus.

R. branches verticil'd jointed, panicle compound contracted. *S. verticil'd.*

teclorum.

R. culm simple leaflets, raceme compound erect. *S. wall.*

1102. EXCOECARIA. MALE. *Ament* naked.
Cal. 0. *Cor.* 0.

FEM. *Ament* naked. *Cal.* 0. *Cor.*
 0. *Styles* 3. *Caps.* 3-grained.

Agallocha. ▲ EXCOECARIA.

1280. CATURUS. MALE. *Cal.* 0. *Cor.* 3-
 cleft.

FEM. *Cal.* 3-parted. *Cor.* 0.
Styles 3. *Caps.* 3-grained.

spiciflorus. 1. B. spikes axillary pendulous. *spike-flower'd.*
ramiflorus. 2. B. flowers lateral sessile. *branch-flower'd.*

1431. MABA. MALE. *Perianth* three-cleft.
Cor. 3-cleft.

FEM. *Perianth* as in the male. *Drupe*
 above, two-cell'd. S.

elliptica. MABA. *elliptic.*

F O U R M A L E S.

(*Tetrandria.*)

1103. TROPHIS. MALE. *Cal.* 0. *Cor.* 4-
 petal'd.

FEM. *Cal.* 0. *Cor.* 0. *Style* 2-
 parted. *Berry* 1-seeded.

americana. ▲ TROPHIS. *american.*

1104 BATHIS

1104. BATIS. MALE. *Ament* four ways imbricated. *Cal.* o. *Cor.* o.
 FEM. *Ament* egg'd: involucre two-leaved. *Cal.* o. *Cor.* o. *Stigma* 2-lobed, sessile. *Berries* coadjoin'd, 4-seeded.

maritima. A. BATIS.

sea.

1105. VISCUM. MALE. *Cal.* 4-parted. *Cor.* o.
Filaments o. *Anthers* growing to the calyx.
 FEM. *Cal.* 4-leaved, above. *Style* o.
Cor. o. *Berry* 1-seeded. *Seed* hearted. *Mistleto.*

- | | | |
|-----------------------|---|-------------------------|
| <i>album.</i> | 1. V. leaves lanced obtuse, stem two-fork'd, spikes axillary. | <i>white.</i> |
| <i>rubrum.</i> | 2. V. leaves lanced obtuse, spikes lateral. | <i>red.</i> |
| <i>purpureum.</i> | 3. V. leaves inverse-egg'd, racemes lateral. | <i>purple.</i> |
| <i>opuntioides.</i> | 4. V. stem proliferous most branchy leafless compress'd. | <i>opuntium-like.</i> |
| <i>verticillatum.</i> | 5. V. stem verticil'd, leaves egg'd, three-nerved obtuse. | <i>verticil'd.</i> |
| <i>terrestre.</i> | 6. V. stem herbaceous four-corner'd cross-arm'd, leaves lanced. | <i>terrestrial.</i> |
| <i>pauciflorum.</i> | V. leaves egg'd obtuse nerveless, flowers scatter'd solitary, stem shrubby, branches alternate. | <i>S. few-flower'd.</i> |
| <i>rotundifolium.</i> | V. leaves orbicular, flowers verticil'd. | <i>S. round-leaved.</i> |
| <i>carpense.</i> | V. leafless, branches cross-arm'd. | <i>cape.</i> |

1106. HIPPOPHÆ. MALE. Cal. 2-parted.
 Cor. 0.
 FEM. Cal. 2-cleft. Cor. 0. Style 1.
 Berry 1-seeded.

Rhamnoides. 1. H. leaves lanced: *Rhamnus-like*.
canadensis. 2. H. leaves egg'd. *canadian*.

1107. MYRICA. MALE. Scale of the *Ament*
 moon'd. Cor. 0.
 FEM. Scale of the *Ament* moon'd.
 Cor. 0. Styles 2. Berry one-
 seeded. *Candle-berry*.

Gale. 1. M. leaves lanced rather saw'd, stem shrubbyish. *Gale*.
cerifera. 2. M. leaves lanced rather saw'd, stem arborefcnt. *wax-bearing*.
æthiopica. M. leaves lanced tooth'd: the lowest most intire. *ethiopian*.
quercifolia. 4. M. leaves oblong oppositely finuous. *oak-leaved*.
cordifolia. 5. M. leaves nearly hearted saw'd sessile. *heart-leaved*.
trifoliata. 3. M. leaves three'd tooth'd. *three-leaved*.

1432. MONTINIA. MALE. *Perianth* above.
 4-tooth'd. *Petals* 4.
 FEM. *Cal.* and *Cor.* as in the
 male. *Filaments* barren. *Style*
 two-cleft. *Caps.* oblong, 2-
 cell'd. S.

acris. MONTINIA. *acrid*.

F I V E M A L E S.

(Pentandria.)

1108. PISTACIA. MALE. *Ament.* Cal. 5-cleft. Cor. 0.

FEM. distinct. Cal. 3-cleft. Cor. 0. *Styles* 2. *Drupe* one-seeded.

- trifolia.* 1. P. leaves mostly three'd and simple. *three-leaved.*
narbonensis. 2. P. leaves feather'd and three'd suborbicular. *narbon.*
vera. 3. P. leaves odd-feather'd : leaflets rather egg'd recurved. *true.*
Terebinthus. 4. P. leaves odd-feather'd : leaflets egg-lanced.
Lentiscus. 5. P. leaves abruptly feather'd : leaflets lanced.

1109. ZANTHOXYLUM. MALE. Cal. 5-parted. Cor. 0.

FEM. Cal. 5-parted. Cor. 0. *Pist.* 5. *Caps.* 5, one-seeded. *Tooth-ach tree.*

- Clava Herculis.* 1. Z. leaves feather'd. *Hercules' Club.*
trifoliatum. 2. Z. leaves three'd. *three-leaved.*

1111. ASTRONIUM. MALE. Cal. 5-leaved. Cor. 5-petal'd.

FEM. Cal. 5-leaved. Cor. 5-petal'd. *Styles* 3. *Seed* single.

- graveolens.* 1. ASTRONIUM. *stinking.*

1281. CANARIUM. MALE. Cal. 2-leaved. Cor. 3-petal'd.

FEM. Cal. 2-leaved. Cor. 3-petal'd. *Stigma* sessile. *Drupe* with nut three-corner'd.

- commune.* 1. CANARIUM. *common.*

1118. ANTIDESMA. MALE. *Cal.* 5-leaved.
Cor. 0. *Anthers* 2-cleft.
 FEM. *Cal.* 5-leaved. *Cor.* 0. *Stig-*
mas 5. *Berry* cylindric, 1-seeded.

alexiteria. ANTIDESMA.

1113. IRESINE. MALE. *Cal.* 2-leaved. *Cor.*
 5-petal'd. *Nectaries* 7.
 FEM. *Cal.* 2-leaved. *Cor.* 5-petal'd.
Stigmas 2, sessile. *Caps.* with
 Seeds downy.

Celosia. A. IRESINE.

1112. SPINACIA. MALE. *Cal.* 5-parted. *Cor.* 0.
 FEM. *Cal.* 4-cleft. *Cor.* 0. *Styles*
 4. *Seed* 1, within the indurated
 calyx. *Spinach.*

oleracea. 1. S. fruit sessile. *pot herb.*
fera. 2. S. fruit peduncled. *wild.*

1114. ACNIDA. MALE: *Cal.* 5-leaved. *Cor.* 0.
 FEM. *Cal.* 2-leaved. *Cor.* 0. *Styles*
 5, covered with a succulent ca-
 lyx.

cannabina. 1. ACNIDA. *hemp.*

748. TWO HOUSE. FIVE MALES. Cannabis.

1115. CANNABIS. MALE. *Cal.* 5-parted. *Cor.* 0.
FEM. *Cal.* 1-leaved, intire, gaping
on the side. *Cor.* 0. *Styles* 2.
Nut 2-valved, within the closed
calyx. *Hemp.*

sativa. 1. CANNABIS. *cultivated.*

1116. HUMULUS. MALE. *Cal.* 5-leaved. *Cor.* 0.
FEM. *Cal.* 1-leaved, obliquely ex-
panding, intire. *Cor.* 0. *Styles* 2.
Seed 1, within the leafy calyx.
Hop.

Lupulus. 1. HUMULUS.

1117. ZANONIA. MALE. *Cal.* 3-leaved. *Cor.*
5-parted.
FEM. *Cal.* 3-leaved. *Cor.* 5-parted.
Styles 3. *Berry* 3-celled, beneath.
Seeds 2.

indica. 2. ZANONIA. *indian.*

1118. FLEVILLEA. MALE. *Cal.* 5-cleft.
Cor. 5-cleft. *Stamens* 5. *Nectar.*
filaments 5, converging.
FEM. *Cal.* 5-cleft. *Styles* 3. *Pome-*
hard, 3-cell'd, barky.

trilobata. 1. F. leaves lobed dotted underneath. *three-lobed.*
cordifolia. 2. F. leaves hearted angled. *heart-leaved.*

S I X M A L E S.

(Hexandria.)

1119. TAMUS. MALE. Cal. 6-parted. Cor. o.
 FEM. Cal. 6-parted. Cor. o. Style
 3-cleft. Berry 3-cell'd, beneath.
 Seeds 2.

communis. 1. T. leaves hearted undivided. *common.*
cretica. 2. T. leaves three-lobed. *cretan.*

1120. SMILAX. MALE. Cal. 6-leaved. Cor. o.
 FEM. Cal. 6-leaved. Cor. o. Styles
 3. Berry 3-cell'd. Seeds 2.

* Stem prickly, angled.

aspera. 1. Sr stem prickly angled, leaves tooth-prickly hearted
 nine-nerved. *rough.*
excelsa. 2. S. stem prickly angled, leaves unarm'd hearted nine-
 nerved. *tall.*
zeilanica. 3. S. stem prickly angled, leaves unarm'd: stem-leaves
 hearted; branch-leaves egg-oblong. *Ceylon.*
Sarsaparilla. 4. S. stem prickly angled, leaves unarm'd egg'd retuse-
 dagger'd three-nerved.

* * Stem prickly, columnar.

China. 5. S. stem prickly columnarish, leaves unarm'd egg-
 hearted five-nerved.
rotundifolia. 6. S. stem prickly columnar, leaves unarm'd hearted
 seven-nerved. *round-leaved.*
laurifolia. 7. S. stem prickly columnar, leaves unarm'd egg-lanced
 three-nerved. *Bay-leaved.*
tamnoides. 8. S. stem prickly columnar, leaves unarm'd hearted
 oblong seven-nerved. *Tamus-like.*

T † 2.

9. S.

750. TWO HOUSES. SIX MALES. Smilax.

caduca. 9. S. stem prickly columnar, leaves unarm'd egg'd
three-nerved. falling.

* * * Stem unarm'd, angled.

bona nox. 10. S. stem unarm'd angled, leaves fringe-prickled. good
night.

herbacea. 11. S. stem unarm'd angled, leaves unarm'd egg'd seven-
nerved. herbaceous.

tetragona. S. stem unarm'd four-corner'd, leaves hearted five-
nerved pointed unarm'd. S. four-corner'd.

* * * * Stem unarm'd columnar.

lanceolata. 12. S. stem unarm'd columnar, leaves unarm'd lanced.
lanced.

Pseudo-chi-na. 18. S. stem unarm'd columnar, leaves unarm'd: stem-
leaves hearted; branch-leaves egg-oblong five-
nerved. Mock-china.

1121. RAJANIA. MALE. Cal. 6-parted. Cor. 0.
FEM. Cal. 6-parted. Cor. 0. Styles 3.
Fruit roundish, with wing oblique,
beneath.

basata. 1. R. leaves half-heart. half-bered.
cordata 2. R. leaves hearted seven-nerved. hearted.
quinquefolia. 3. R. leaves five-fold egg-oblong. five-leaved.

1112. DIOSCOREA. MALE. Cal. 6-parted.
Cor. 0.

FEM. Cal. 6-parted. Cor. 0.
Styles 3. Caps. 3-cell'd, com-
press'd. Seeds 2, membranous.

pentaphylla. 1. D. leaves finger'd. five-leaved.
triphylla. 2. D. leaves three'd. three-leaved.
aculeata. 3. D. leaves hearted, stem prickly bulb-bearing. prickly.
alata. 4. D. leaves hearted, stem wing'd, bulb-bearing. wing'd.

5. D.

- bulbifera.* 5. D. leaves hearted, stem polish'd bulb-bearing. *bulb-bearing.*
lativa. 6. D. leaves hearted alternate, stem polish'd columnar. *cultivated.*
villosa. 7. D. leaves hearted alternate and opposite: stem polish'd. *villous.*
oppositifolia. 8. D. leaves opposite egg'd pointed. *opposite-leaved.*
trifida. D. leaves three-cleft hearted. S. *three-cleft.*

E I G H T M A L E S.

(*OEtandria.*)

1123. POPULUS. MALE. *Cal.* of the Ament with fold torn. *Cor.* top-shape, oblique intire.

FEM. *Ament.* *Cal.* and *Cor.* of the male. *Stigma* 4-cleft. *Capsf.* 2-cell'd. *Seeds* many, pappus'd. *Poplar.*

- alba.* 1. P. leaves roundish tooth-angled downy underneath. *white.*
tremula. 2. P. leaves roundish tooth-angled smooth on both sides. *tremulous.*
nigra. 3. leaves delta-like pointed saw'd. *back.*
balsamifera. 4. P. leaves egg'd saw'd white underneath, stipules resinous. *balsam-bearing.*
heterophylla. 5. P. leaves hearted: the younger ones villous. *different-leaved.*

752. TWO HOUSES. EIGHT MALES. *Rhodiola*.

1124. RHODIOLA. MALE. *Cal.* 4-parted. *Cor.*
4-petal'd.
FEM. *Cal.* 4-parted. *Cor.* 0. *Nec-*
taries 4. *Pistils* 4. *Capsf.* 4,
many-seeded.

rosea. I. RHODIOLA. *rose.*

1433. MARGARITARIA. MALE. *Cal.* 4-
tooth'd. *Petals* 4.
FEM. *Cal.* and *Cor.* as in the male.
Styles 4 or 5. *Berry* cartilaginous,
3 or 4-grain'd. *S.*

nobilis. MARGARITARIA. *noble.*

N I N E M A L E S.

(*Enneandria.*)

1125. MERCURIALIS. MALE. *Cal.* 3-parted.
Cor. 0. *Stamens* 9 or 12. *An-*
thers globular, twin.
FEM. *Cal.* 3-parted. *Cor.* 0. *Styles*
2. *Capsf.* 2-grained, 2-celled,
1-seeded. *Mercury.*

perennis. 1. M. stem most simple, leaves rugged. *perennial.*
ambigua. 2. M. stem cross-arm'd, leaves smoothish, flowers ver-
ticil'd: feminine one and male ones. *ambiguous.*
annua. 3. M. stem cross-arm'd, leaves smooth, flowers spiked.
annual.
tomentosa. 4. M. stem shrubbyish, leaves downy. *downy.*
M.

afra. M. stem prostrate herbaceous, leaves egg'd rather
downy, flowers androgynous. *African.*

1126. HYDROCHARIS. MALE. *Spathe* 2-
leaved. *Cal.* 3-cleft. *Cor.* 3-
petal'd. Three interior *Fila-*
ments style-bearing.

FEM. *Cal.* 3-cleft. *Cor.* 3-petal'd.
Styles 6. *Caps.* 6-cell'd, many-
seeded beneath.

Morsus ranæ. I. HYDROCHARIS. *Frog's bit.*

T E N M A L E S.

(*Decandria.*)

1127. CARICA. MALE. *Cal.* nearly none.
Cor. 5-cleft, funnel-form. *Fila-*
ments in the tube of the corol:
alternate ones shorter.

FEM. *Cal.* 5-tooth'd. *Cor.* 5-pe-
tal'd. *Stigmas* 5. *Berry* 1-cell'd,
many-seeded.

Papaya. 1. C. lobes of the leaves sinuous.
Pospofsa. 2. C. lobes of the leaves intire.

1128. KIGGELARIA. MALE. *Cal.* 5-parted.
Cor. 5-petal'd: glands five-lobed.
Anthers perforated at the tops.

FEM. *Cal.* and *Cor.* of the male.
Styles 5. *Caps.* 1-cell'd, 5-
valved, many-seeded.

africana. I. KIGGELARIA. *african.*

754. TWO HOUSES. TEN MALES. Schinus.

1130. SCHINUS. MALE. *Cal.* 5-cleft. *Petals* 5.

FEM. Flower of the male. *Berry* 3-grain'd.

Molle. 1. S. leaves feather'd : leaflets saw'd with odd ones most long, petioles equal. *Soft.*

Areira. 2. S. leaves feather'd : leaflets most intire equal, petioles equal.

1129. CORIARIA. MALE. *Cal.* 5-leaved. *Cor.* 5-petal'd most fimilar to the calyx, connected. *Anthers* two-parted.

FEM. *Cal.* 5-leaved. *Cor.* of the male. *Styles* 5. *Seeds* 5, cover'd with petals succulent-berried.

myrtifolia. 1. C. leaves egg-oblong. *myrtle-leaved.*

ruscifolia. 2. C. leaves heart-egg'd sessile. *Ruscus-leaved.*

T W E L V E M A L E S.

(*Dodecandria.*)

1348. EUCLEA. MALE. *Cal.* 5-tooth'd. *Cor.* 5-petal'd. *Stamens* 15.

FEM. *Cal.* and *Cor.* of the male. *Germ* above. *Styles* 2. *Berry* 2-celled.

racemosa. 1. EUCLEA. *racemed.*

1132. *DATISCA.* MALE. *Cal.* 5-leaved. *Cor.* o.
Anthers feffile, long, 15.

FEM. *Cal.* 2-tooth'd. *Cor.* o. *Styles*
 3. *Caps.* 3-angled, 3-horn'd, 1-
 cell'd, pervious, many - feeded,
 beneath.

cannabina. 1. D. stem polifh'd. *hemp.*
hirta. 2. D. stem fhaggy. *fhaggy.*

1131. *MENISPERMUM.* MALE. *Petals* 4 ex-
 teriour; 8 interiour. *Stamens* 16.

FEM. *Cor.* of the male. *Stamens* 8
 barren. *Berries* twofold, one-
 feeded.

canadense. 1. M. leaves targetted hearted rather round - angled. *canadian.*
virgicum. 2. M. leaves targetted hearted lobed. *virginian.*
carolinum. 3. M. leaves hearted villous underneath. *carolina.*
Cocculus. 4. M. leaves hearted retufe dagger'd, stem torn. *indi-
berry.*
crispum. 5. M. leaves hearted exquisite, stem quadrangular curl'd. *curl'd.*
orbiculatum. 6. M. leaves orbicular villous underneath. *orbicular.*
hirsutum. 7. M. leaves lance-egg'd villous. *fhaggy.*
myosotoides. 8. M. leaves linear-lanced fhaggy. *Myosotis-like.*

M A N Y M A L E S.

(Polyandria.)

1133. CLIFFORTIA. MALE. Cal. 3-leaved.

Cor. o. Stamens nearly 30.

FEM. Cal. 3-leaved, above. Cor. o

Styles 2. Caps. 2-cell'd. Seed 1.

- | | | |
|-----------------------|--|----------------------------|
| <i>ilicifolia.</i> | 1. C. leaves nearly hearted tooth'd. | <i>holly-leaved.</i> |
| <i>ruscifolia.</i> | 2. C. leaves lanced most intire. | <i>ruscus-leaved.</i> |
| <i>polygonifolia.</i> | 3. C. leaves linear hairy. | <i>polygonum-leaved.</i> |
| <i>trifoliata.</i> | 4. C. leaves three'd: intermediate one three tooth'd. | <i>three-leaved.</i> |
| <i>sarmentosa.</i> | C. leaves three'd linear villous. | <i>sarmentosus.</i> |
| <i>strobilifera.</i> | C. leaves three'd linear acute polish'd. | <i>strobile-bearing.</i> |
| <i>ferruginea.</i> | C. leaves lanced bristle-saw'd. | <i>S. iron.</i> |
| <i>graminea.</i> | C. leaves simple sword-form sawletted, petioles dilated terminated with awns twofold stipule-form. | <i>S. grassy.</i> |
| <i>obcordata.</i> | C. leaves three'd: leaflets roundish: intermediate one inverse-hearted. | <i>S. inverse-hearted.</i> |
| <i>ternata.</i> | C. leaves three'd: leaflets intire hairy. | <i>S. three'd.</i> |
| <i>crenata.</i> | C. leaves notchletted orbicular two'd. | <i>S. notch'd.</i> |
| <i>filifolia.</i> | C. leaves thread-form three-sided smooth most intire. | <i>S. thread-leaved.</i> |
| <i>teretifolia.</i> | C. leaves fascicled columnar awl'd incurved smooth intire. | <i>S. columnar-leaved.</i> |
| <i>ericifolia.</i> | C. leaves fascicled columnar furrow'd smooth. | <i>S. heath-leaved.</i> |
| <i>pulchella.</i> | C. leaves two'd orbicular most intire. | <i>S. beautiful.</i> |
| <i>juniperina.</i> | C. leaves threefold three-sided awl'd crowded. | <i>S. juniper.</i> |
| <i>falcata.</i> | C. leaves three'd linear sickled smooth. | <i>S. sickled.</i> |
| <i>odorata.</i> | C. leaves simple egg'd saw'd rib'd villous underneath. | <i>S. odorous.</i> |

1434. HEDYCARYA. MALE. 8 or 10-cleft.
Cor. 0. *Filaments* none. *Anth-*
thers in the bottom of the calyx,
 4-furrow'd, bearded at top.
 FEM. *Cal.* and *Cor.* as in the male.
*Germ*s pedicil'd. *Nuts* pedicil'd
 one-seeded. S.

dentata. HEDYCARIA. *tooth'd.*

ONE BROTHERHOOD.

(*Monadelphia.*)

1134. JUNIPERUS. MALE. The Calyx a
 scale of the *Ament.* *Cor.* 0.
Stamens 3.
 FEM. *Cal.* 3-parted. *Petals* 3.
Styles 3. *Berry* 3-seeded, with
 three tubercles of the unequal ca-
 lyx. *Juniper.*
- thurifera.* 3. I. leaves fourways imbricated acute. *Frankincense-*
bearing.
barbadensis. 6. I. leaves all imbricated fourways: younger ones
 egg'd, elder ones acute. *Barbadoes.*
bermudiana. 7. I. inferiour leaves threefold: superiour twofold de-
 current awl'd spreading acute. *Bermuda.*
chinensis. I. leaves decurrent imbricate - expanding crowded:
 stem-leaves threefold; branch-leaves fourfold.
china.
Sabina. 9. I. leaves opposite erect decurrent: oppositions box'd.
virginiana. 8. I. leaves threefold adhering at the base; the younger
 imbricated; elder spreading. *virginian.*
communis. 1. I. leaves threefold expanding dagger'd longer than
 the berry. *common.*
 2. I.

758. TWO HOUSES. ONE BROTHERHOOD. *Juniperus*.

Oxycedrus. 2. I. leaves threefold expanding dagger'd, shorter than the berry.

phoenicea. 9. I. leaves threefold obliterated imbricated obtuse.

lycina. 4. I. leaves threefold every [where imbricated ^{purple.} egg'd obtuse.

1135. TAXUS. MALE. *Cal.* 3-leaved of a bud. *Cor.* o. *Stamens* many. *Antbers* targetted, 8-cleft.

FEM. *Cal.* 3-leaved of a bud. *Cor.* o. *Style* o. *Seed* 1, with calycle berried, most intire. *Yew*.

baccata. 1. T. leaves approximated.

nucifera. 2. T. leaves distant.

berried.
nut-bearing.

1136. EPHEDRA. MALE. Calyx of the *Ament* 2-cleft. *Cor.* o. *Stamen* 7. *Antbers* 4 inferiour; 3 superiour.

FEM. *Cal.* 2-parted, fivefold. *Cor.* o. *Pistils* 2. *Seeds* 2, covered with a berried calyx.

distachya. 1. E. peduncles opposite : aments double. *two-spiked.*

monostachya. 2. E. peduncles numerous : aments solitary. *one-spiked.*

1138. CISSAMPELOS. MALE. *Cal.* 4-leaved. *Cor.* o. *Nectary* wheeled. *Stamens* 4 : with filaments conjoin'd.

FEM. *Cal.* one-leaved, ligulate roundish. *Cor.* o. *Styles* 3. *Berry* 1-seeded.

Parcira. 1. C. leaves targetted hearted end-nick'd.

Caapeba. 2. C. leaves petioled at the base in tire.

smilacina. 3. C. leaves hearted acute angled.

smilax.
C.

DIOECIA, MONADELPHIA. Cissampelos. 759.

- capensis.* C. stem twining, leaves egg'd obtuse petioled intire. S.
fruticosa. C. stem erect shrubby, leaves egg'd petioled intire. S. ^{cape.}
 shrubby.

838. NAPOEA. MALE. *Cal.* 5-cleft. *Petals* 5. *Stamens* one-brotherhood, most numerous, fertile. *Styles* numerous, barren.

FEM. *Cal.* 5-cleft. *Petals* 5. *Stamens* one-brotherhood, most numerous, barren. *Styles* numerous longer than the stamen. *Capsf.* orbicular, depress'd, 10-cell'd. *Seeds* solitary.

- lævis.* 1. N. peduncles naked polish'd leaves lobed smooth. ^{polish'd.}
scabra. 2. N. peduncles involucred angled, leaves handed rugged. ^{rugged.}

1137. ADELIA. MALE. *Cal.* 3-parted. *Cor.* o. *Stamens* most numerous, coalesced at the base.

FEM. *Cal.* 5-parted. *Cor.* o. *Styles* 3, torn. *Capsf.* 3-grain'd.

- Bernardia.* 1. A. leaves oblong downy saw'd.
Ricinella. 2. A. leaves inverse egg'd most intire.
Acidoton. 3. A. branches winding, thorns buddy.

CONFEDERATE MALES.

(*Syngenesia.*)

1139. RUSCUS. MALE. *Cal.* 6-leaved. *Co*
o, *Nectary* central, egg'd, pe-
forated at top.

FEM. *Calyx*, *Corol* and *Nectary*
the male. *Style* 1. *Berry*
cell'd. *Seeds* 2.

- aculeatus.* 1. R. leaves flower-bearing above-naked. *prick*
Hypophyl- 2. R. leaves flower-bearing underneath naked. *unde*
lum. *le.*
Hypoglossum. 3. R. leaves flower-bearing underneath under the leaf
under-tongu
androgynous. 4. R. leaves flower-bearing on the margin. *androgynou*
racemosus. 5. R. raceme terminal hermaphrodite. *raceme*

FEMININE MALES.

(*Gynandria.*)

1140. CLUTIA. MALE. *Cal.* 5-leaved. *Co.*
5-petal'd.

FEM. *Cal.* 5-leaved. *Cer.* 5-pe
tal'd. *Styles* 3. *Capsf.* 3-cell'd
Seed 1.

- alaternoides.* 1. C. leaves subsessile linear lanced, flowers solitary erect
alaternus-li
polygonoides. 3. C. leaves lanced, flowers axillary most numerous
Polygonum-li
2. C.

- calchella.* 2. C. leaves egg'd most intire, flowers lateral. *beautiful.*
tomentosa. C. leaves elliptic downy on both sides. *downy.*
retusa. 4. C. leaves oval retuse, flowers racemed axillary. *retuse.*
Eluteria. 5. C. leaves heart-lanced.
stipularis. C. leaves oval downy underneath. *stipuled.*
hirta. C. leaves egg'd naked intire, flowers lateral glomerate
shaggy. S. shaggy.
acuminata. C. herbaceous, leaves egg'd smooth obtuse with a
point, flowers axillary solitary. S. pointed.

- 1334 MANISURIS. ♂ *Glume* 1-flower'd. *Cor.* 2-valved.
Stamens 3. *Style* 2-cleft.
 ♂ *Glume* one-flower'd. *Cor.* 2-valved.
Stam. 3. *Valvelets* of the calyx all one-
 nick'd at the top and sides.
- 1150 AEGILOPS. ♂ *Glume* 3-flower'd. *Glume* 3-awn'd,
Stam. 3. *Styles* 2. *Seed* 1.
 ♂ *Glume* 3-flower'd. *Glume* 3-awn'd.
Stam. 3.
- 1333 SPINIFEX. ♂ *Glume* 2-flower'd. *Glume* 2-valved.
Stam. 3. *Styles* 2.
 ♂ *Glume* common. *Glume* 2-valved. *Stam.*
 3. *Valvelets* all parallel to the calyx.
- 1145 ANDROPOGON. ♂ *Glume* 1-flower'd. *Glume* awn'd at the
 base. *Stam.* 3. *Styles* 2. *Seed* 1.
 ♂ *Glume* 1-flower'd. *Glume* awn'd at the
 base. *Stam.* 3.
- 1147 APLUDA. ♂ *Cal.* *Glume* common with a feminine
 floret sessile; the male ones peduncled.
 ♀ *Cal.* 0. *Glume* 2-valved. *Style* 1.
Seed 1.
 ♂ *Cal.* 0. *Glume* 2-valved. *Stam.* 3.
- 1151 VALANTIA. ♂ *Cal.* none. *Cor.* 4-parted. *Stam.* 4.
Style 2-cleft. *Seed* 1.
 ♂ *Cal.* none. *Cor.* 3 or 4-parted. *Stam.*
 3 or 4.
- 1142 OPHIOXYLON. ♂ *Cal.* 5-cleft. *Cor.* 5-cleft. *Stam.* 3.
Pist. 1.
 ♂ *Cal.* 2-cleft. *Cor.* 5-cleft. *Stam.* 2.
- 1143 CELTIS. ♂ *Cal.* 5-parted. *Cor.* none. *Stam.* 5.
Style 2. *Drupe*.
 ♂ *Cal.* 6-parted. *Cor.* none. *Stam.* 6.
- 1144 VERATRUM. ♂ *Cal.* none. *Cor.* 6-petal'd. *Stam.* 6.
Pist. 3. *Caps.* 3.
 ♂ *Cal.* none. *Cor.* 6-petal'd. *Stam.* 6.
- FUSANUS. ♂ *Cal.* 4-cleft. *Cor.* 0. *Stam.* 4. *Germ.*
 beneath. *Stigmas* 4.
 ♂ *Cal.* *Cor.* *Stam.* *Pist.* of the male. *Drupe*
 1-cell'd.
- 1153 ACER. ♂ *Cal.* 5-cleft. *Cor.* 5-petal'd. *Stam.* 8.
Styles 2. *Caps.* 2-grain'd, wing'd.
 ♂ *Cal.* 5-cleft. *Cor.* 5-petal'd. *Stam.* 8.
- 1157 GOUANIA. ♂ *Cal.* 5-cleft, above. *Cor.* 0. *Stam.* 5.
Style 3-cleft. *Fruit* 3-sided, 3-partible.
 ♂ *Cal.* 5-cleft. *Cor.* 0. *Stam.* 5.

- 1161 SOLANDRA. ♂ *Cal.* proper none. *Cor.* 6-petal'd. *Stam.* 6. *Styles* 2. *Capsf.* beneath two-grain'd.
 ♂ *Cal.* proper none. *Cor.* 5-petal'd. *Stam.* 5.
- 1158 MIMOSA. ♀ *Cal.* 5-tooth'd. *Cor.* 5-cleft. *Stamens* 4-100. *Pist.* 1. *Legume.*
 ♂ *Cal.* 5-tooth'd. *Cor.* 5-cleft. *Stamens* 4-100.
- 160 BRABEIIUM. ♀ Of the Ament *Cor.* 4-parted. *Stam.* 4. *Style* 2-cleft. *Drupe* with nucleus fleshy globular.
 ♂ Of the Ament *Cor.* 4-parted. *Stam.* 4. *Style* 2-cleft, abortive.
- 1283 TERMINALIA. ♀ *Cal.* 5-parted. *Cor.* 0. *Stam.* 10. *Drupe* beneath.
 ♂ *Cal.* 5-parted. *Cor.* 0. *Stam.* 10.
- 1154 CLUSIA. ♀ *Cal.* 6-leaved. *Cor.* 4 or 6-petal'd. *Anthers* aggregate. *Stigmas* 4. 6. *Capsf.* 6-cell'd, many-seeded.
 ♂ *Cal.* 4 or 6-leaved. *Cor.* 6-petal'd. *Stam:* numerous.
- 1332 HERMAS. ♀ umbel of the Flower. *Cor.* 5-petal'd. *Stam.* 5 barren.
 ♂ umbel of the Flowers. *Cor.* 5-petal'd. *Stam.* 5, fertile. *Styles* 2. *Seeds* 2, beneath suborbicular.
- 1152 PARIETARIA. ♀ *Cal.* 4-cleft. *Cor.* none. *Stam.* 4. *Style* 1. *Seed* 1.
 ♂ *Cal.* 4-cleft. *Cor.* none. *Style* 1. *Seed* 1.
- 1153 ATRIPLEX. ♀ *Cal.* 5-leaved. *Cor.* none. *Stam.* 5. *Style* 2-cleft. *Seed* 1.
 ♂ *Cal.* 2-leaved. *Cor.* none. *Style* 1-cleft. *Seed* 1.

* *Aesculus.* *Mammea.* *Jacquinia.* *Euphorbia.* *Melothria.* *Ilex.*

The species of MIMOSA are with the greatest difficulty of all combined with the character of the genus.

Some with calyx and corol 4-cleft, 5-cleft, many-petal'd, petallefs.
 Some with Stamens 4, 5, 10, most numerous, mostly two-brotherhood.
 Some with Legume membranous, wing'd, berried, jointed.

- 1163 PISONIA. A. ♀ *Cal.* none. *Cor.* 5-cleft. *Stam.* 6. *Pist.* 1.
Caps. 5-valved.
 B. ♂ *Cal.* none. *Cor.* 5-cleft. *Stam.* 6.
 ♀ *Cal.* none. *Cor.* 5-cleft. *Pist.* 1. *Caps.*
 5-valved.
 * *Ilex Aquifolium.* *Rhamnus Alaternus.*
Guilandina.

T H R E E H O U S E S.

(*Trioecia.*)

- 1167 CERATONIA. A. ♀ *Cal.* 5-parted. *Cor.* 0. *Stam.* 5. *Style* 1.
Legume leathery, many-seeded.
 B. ♂ *Cal.* 5-parted. *Cor.* 0. *Stam.* 5.
 ♀ *Cal.* mostly 5-tooth'd. *Cor.* 0. *Style* 1.
Legume leathery, many-seeded.
 1168 FIGUS. *Receptacle* common top-shape, converge-
 closed, fleshy.
 A. ♀ *Cal.* 5-parted. *Cor.* 0. *Pist.* 1. *Seed* 1.
 B. ♂ *Cal.* 3-parted. *Cor.* 0. *Stam.* 3.
 C. ♂ and ♀ within the same common recep-
 tacle, with distinct partial fructifications.

O N E H O U S E.

(Monoecia.)

1141. MUSA. MALE-HERMAPHRODITE. *Cal.*
spathe. *Cor.* 2-petal'd: one
 erect, 5-tooth'd; the other nec-
 tary-bearing, concave, shorter.
Filaments 6, 5 of these perfect.
Style 1. *Germ* beneath abor-
 tive.

FEMALE-HERMAPH. *Calyx, Corol,*
Filaments, Pistil of the male her-
 maphrodite, with one filament
 perfect. *Berry* oblong, 3-fided,
 beneath.

- paradisifaca.* 1. M. *spadix* nodding, male flowers permanent. *para-*
disifical.
sapientum. 2. M. *spadix* nodding, male flowers deciduous. *of the*
wife.
Troglodytayarum. 4. M. *spadix* erect, *spathes* deciduous. *Troglodite.*

1144. VERATRUM. HERMAPH. *Cal.* 0. *Cor.*
 6-petal'd. *Stamens* 6. *Pistils* 3.
Caps. 3, many-seeded.

MALE. *Cal.* 0. *Cor.* 6-petal'd.
Stamens 6. *Pist.* a rudiment.

- album.* 1. V. *raceme* superdecompound, *corols* erect. *white.*
nigrum. 2. V. *raceme* compound, *corols* most expanding. *black.*
luteum. 3. V. *raceme* most simple, *leaves* sessile. *yellow.*

1333. SPINIFEX. HERMAPH. *Cal.* glume 2-valved, two-flower'd : valvelets parallel to the rachis. *Cor.* two-valved, awnless. *Stamens* 3. *Styles* 2.

MALE. *Cal.* common with the hermaphrodite. *Cor.* and *Stamens* similar.

squarrosus. SPINIFEX. *ragged.*

1145. ANDROPOGON. HERMAPH. *Cal.* Glume 1-flower'd. *Cor.* Glume awn'd at the base. *Stamens* 3. *Styles* 2. *Seed* 1.

MALE. *Cal.* and *Cor.* of the former. *Stamens* 3. *Man's beard.*

- caricosum.* 1. A. spike solitary imbricated, seeds shaggy : awns naked contorted.
- contortum.* 2. A. spike solitary, inferiour flowers awnless. *contorted.*
- divaricatum.* 3. A. spike oblong, flowers woolly remote divaricated : awn winding naked. *divaricated.*
- gryllus.* 5. A. peduncles of the panicle most simple three-flower'd : the hermaphrodite floret sessile awn'd fringed bearded at the base. *cricket.*
- mutans.* 4. A. panicle nodding : with awns twisted polish'd, calyx-glumes shaggy. *nodding.*
- quadrivalvis.* A. panicle nodding, calyxes four-valved three-flower'd, hermaphrodite floret awn'd. *four-valved.*
- cymbarium.* A. panicle scatter'd, bractes boat-form, flowers transverse awn'd threefold. *boat.*
- prostratum.* A. peduncles umbel-five-flower'd without calycle, the hermaphrodite floret awn'd. *prostrate.*
- alopecuroides.* 8. A. panicle loose, rachis woolly, each floret with a twisted awn, *Foxtail-like.*
9. A.

POLYGAMIA. MONOECIA. *Andropogon*. 769.

- distachyum*. 9. A. spikes two-fold terminal, culm undivided. *two-spiked*.
- Schoenanthus virginicum*. 10. A. spikes of the panicle pair'd egg-oblong, rachis pubescent, florets sessile with awn twisted.
- bicorne*. 11. A. spikes of the panicle pair'd, peduncles simple, rachis woolly, florets awnless: the male one wafting. *virginian*.
- hirtum*. 12. A. spikes of the panicle pair'd, peduncles most branched, rachis woolly, florets with awn falling, male one wafting. *two-horn'd*.
- insulare*. 13. A. panicle loose smooth, florets double awnless, one pedicel shorter, calyxes woolly. *shaggy*. *insular*.
- barbatum*. A. thorns finger'd, calyxes permanent, corols fringed. *bearded*.
- Nardus*. 14. A. branches of the panicles superdecompound proliferous. *Nard*.
- muticum*. 15. A. spikes finger'd mostly threefold: florets alternate sessile-awnless. *awnless*.
- Ischaemum*. 16. A. spikes finger'd most numerous, florets sessile awn'd and awnless, pedicels woolly.
- fasciculatum*. 17. A. spikes finger'd most numerous erectish jointed polish'd: florets awn'd on both sides. *fascicled*.
- polydactylon*. 18. A. spikes fascicled, exterior petals awn'd; those of the inferior floret fringe-bearded. *many-finger'd*.
- contortum*. A. spike solitary, florets here male awnless, there female most long awn-united and awn-contorted. *S. contorted*.
- squarrosum*. A. panicle crowded, glumes awl'd rugged. *S. ragged*.

1146. *HOLCUS*. HERMAPH. *Cal.* glume 1 or 2-flower'd. *Cor.* Glume awn'd. *Stamens* 3. *Styles* 2. *Seed* 1.

MALE. *Cal.* Glume 2-valved. *Cor.* 0. *Stamens* 3.

spicatus. 1. H. glumes two-flower'd awnless, flowers double involucred with a pencil, spike egg-oblong. *spiked*.
H.

770. POLYGAMIES. ONE HOUSE. *Holcus*.

- bicolor*. H. glumes smooth black, seeds globular white awn'd. *two-colour'd.*
- Sorghum.* 2. H. glumes villous, seeds compress'd awn'd.
- halpensis.* 4. H. glumes smooth, hermaphrodite flowers awnless; female one awn'd. *aleppo.*
- saccharatus.* 3. H. glumes villous, seeds all awn'd. *sugar.*
- mollis.* 6. H. glumes two-flower'd nakedish: hermaphrodite floret awnless; male with awn knotted. *soft.*
- lanatus.* 5. H. glumes two flower'd villous: hermaphrodite floret awnless; male one with awn recurved, *woolly.*
- laxus.* 8. H. glumes two-flower'd smooth awnless pointed, panicle thread-form feeble. *loose.*
- striatus.* 10. H. glumes two-flower'd striated awnless pointed, panicle crowded oblong. *striated.*
- odoratus.* 7. H. glumes three-flower'd awnless pointed: hermaphrodite floret two-male. *odorous.*
- latifolius.* 9. H. glumes three-flower'd: first floret unarm'd; two prickly on the margin, leaves nearly egg'd. *broad-leaved.*
- pertusus.* H. spikes finger'd, glume with valvelet pierced. *pierced.*
- ferratus.* H. calyxes two-flower'd pubescent awnless, leaves saw'd. S. *saw'd.*

1147. APLUDA. *Cal.* common glume two-valved: with *female* floret sessile, and *male ones* peduncled.

FEM. *Cor.* o. *Cor.* two-valved.
Style 1. *Seed* 1, cover'd.

MALE. *Cal.* o. *Cor.* two-valved.
Stam. 3.

- mutica.* 1. A. leaves lanced, florets all awnless. *awnless.*
- aristata.* A. A. leaves lanced, male florets awnless; with awn sessile terminal. *awn'd.*
- Zeugites.* B. A. leaves egg'd, male florets awnless; with awn sessile terminal.
- digitata.* A. spikes finger'd one-ranked. S. *finger'd.*

1148. ISCHOEMUM. HERMAPH. *Cal.* Glume 2-flower'd. *Cor.* 2-valved. *Stamens* 3. *Styles* 2. *Seed* 1.

MALE. *Cal.* and *Cor.* as in the former. *Stamens* 3.

muticum. 1. I. seeds awnless. *awnless.*
aristatum. 2. I. seeds awn'd. *awn'd.*

1149. CENCHRUS. *Involucre* jagg'd, hedgehog'd, 2-flower'd. *Cal.* Glume two-flower'd; one male, the other hermaphrodite.

HERMAPH. *Cor.* Glume awnless. *Stam.* 3. *Seed* 1.

MALE. *Cor.* Glume awnless. *Stam.* 3.

racemosus. 1. C. panicle spiked, glumes murex'd with bristles fringed. *racem'd.*
lappaceus. 2. C. branches of the panicle most simple, corols hispid backwards, calyxes three-valved two-flower'd. *bur.*
muricatus. C. spike murex'd: scales various dagger'd *murex'd.*
capitatus. 3. C. spike egg'd simple. *beaded.*
echinatus. 3. C. spike oblong conglomerated. *hedge-hog'd.*
tribuloides. 4. C. spike glomerated, female glumes globular murex-thorn'd shaggy. *Tribulus-like.*
ciliaris. C. spike with involucels bristly fringed four-flower'd. *fringed.*
granularis. C. racemes double, fruit globular wrinkle-netted. *grain'd.*
frutescens. 5. C. heads lateral sessile, leaves dagger'd stem shrubby. *shrubby.*

1150. *ÆGILOPS*. HERMAPH. *Cal.* Glume nearly three-flower'd, gristly. *Cor.* glume terminated with a triple awn. *Stamens* 3. *Styles* 2. *Seed* 1.

MALE. *Cal.* and *Cor.* glume as in the former. *Stamens* 3.

- | | | |
|---------------------|---|----------------------|
| <i>ovata.</i> | 1. <i>Æ.</i> spike awn'd, calyxes all three-awn'd. | <i>egg'd.</i> |
| <i>caudata.</i> | 2. <i>Æ.</i> spike awn'd, calyxes all two-awn'd. | <i>tail'd.</i> |
| <i>triuncialis.</i> | 4. <i>Æ.</i> spike awn'd, inferiour calyxes two-awn'd. | <i>three-hooked.</i> |
| <i>squarrosa.</i> | 3. <i>Æ.</i> spike awl'd longer than the awns. | <i>ragged.</i> |
| <i>incurvata.</i> | 5. <i>Æ.</i> spike awl'd awnless polish'd incurved, calyxes one-flower'd. | <i>incurved.</i> |
| <i>exaltata.</i> | <i>Æ.</i> spikes thread-form, awnless corymbed. | <i>exalted.</i> |

1334. *MANISURIS*. HERMAPH. *Cal.* glume two-valved, one-flower'd: exteriour valvelet one-nick'd on the sides and top, *Cor.* less than the Calyx. *Stamens* 3. *Style* 2-cleft.

MALE. as in the hermaphrodites but the flowers of the inferiour side of the same spike more protruded.

myurus.

MANISURIS.

mouse-tail.

1151. VALANTIA. HERMAPH. Cal. o. Cor. 4-parted. Stam. 4. Style 2-cleft. Seed 1.

MALE. Cal. o. Cor. 3 or 4-parted. Stam. 4. or 3. Pistil obscure.

- muralis.* 2. V. male flowers three-cleft fitting on the smooth hermaphrodite germ. *wall.*
- hispida.* 1. V. male flowers three-cleft fitting on the hispid hermaphrodite germ. *hispid.*
- Cucularia.* 3. V. each fructification covered with a bracte egg'd deflected.
- Aparime.* 4. V. male flowers three-cleft pedicel'd fitting on the hermaphrodite peduncle.
- articulata.* 5. V. male flowers four-cleft, peduncles two-fork'd leafless, leaves hearted. *jointed.*
- Cruciata.* 6. V. male flowers four-cleft, peduncles two-leaved.
- glabra.* 7. V. male flowers four-cleft, peduncles two-fork'd leafless, leaves oval fringed. *smooth.*
- hypocarpia.* 8. V. flowers all four-cleft beneath, peduncles naked one-flower'd.

1152. PARIETARIA. HERMAPH. Cal. 4-cleft. Cor. o. Stamens 4. Style 1. Seed 1, above, elongate.

FEM. Cal. 4-cleft. Cor. o. Stam. o. Style 1. Seed 1, above, elongate. *Pellitory.*

- indica.* 6. P. leaves lanced, stem erect. *indian.*
- officinalis.* 1. P. leaves lance-egg'd, peduncles two-fork'd, calyxes two-leaved. *official.*
- judaica.* 2. P. leaves egg'd, stems erect, calyxes three-flower'd, male corols elongate-cylindrical. *judean.*
- lusitanica.* 3. P. leaves egg'd obtuse, stems thread-form striated polish'd procumbent. *portugal.*
- cretica.* 4. P. leaves nearly egg'd, involucre fruit-bearing five-cleft compress'd : lateral divisions larger. *cretan.*

774. POLYGAMIES. ONE HOUSE. Parietaria.

- Zeylanica.* 6. P. leaves opposite oblong-egg'd. *Ceylon.*
microphylla. 5. P. the opposite leaves most intire inverfe-egg'd, and
the intermix'd lefs ones egg'd. *small-leaved.*
urticaefolia. P. leaves opposite petioled egg'd saw'd, vein'd pube-
scent, flowers axillary. S. *nettle-leaved.*

1153. ATRIPLEX. HERMAPH. *Cal.* 5-leaved.
Cor. 0. *Stam.* 5. *Style* 2-parted.
Seed 1, depress'd.

FEM. *Cal.* 2-leaved. *Cor.* 0. *Stam.*
0. *Style* 2-parted. *Seed* 1, com-
press'd. *Orach.*

- Halimus.* 1. A. stem shrubby, leaves delta-like intire.
portulacoides. 2. A. stem shrubby, leaves inverfe-egg'd. *Purslain-*
like.
glauca. 3. A. stem shrubbyish procumbent, leaves egg'd sessile
most intire: the inferiour ones rather tooth'd.
sea-green.
rosea. 4. A. stem herbaceous, leaves hoary saw'd, fruit qua-
drangular tooth'd. *rose.*
sibirica. 5. A. stem herbaceous, leaves delta-like angled, calyxes
of the fruit murexed without. *siberian.*
tatarica. 6. A. stem herbaceous, leaves delta-like finus-tooth'd
waved alternate. *tartarian.*
hortensis. 7. A. stem erect herbaceous, leaves triangular. *garden.*
laciniata. 8. A. stem herbaceous, leaves delta-like tooth'd silvery
underneath. *jagged.*
hastata. 9. A. stem herbaceous, calyx with female valvelets large
delta-like sinuous. *halberted.*
patula. 10. A. stem herbaceous spreading, leaves rather delta-
lanced, calyxes of the seed tooth'd on the disk.
spreading.
littoralis. 11. A. stem herbaceous erect, leaves all linear most intire.
strand.
pedunculata. B. A. stem herbaceous divaricated, leaves lanced obtuse
intire, female calyxes peduncled. *peduncled.*

1283. TERMINALIA. MALE. Cal. 5-parted.
Cor. 0. Stam. 10.

HERMAPH. Flower of the male.
Style 1. *Drupe* beneath, boat-
form.

Catappa. T. leaves inverfe-egg'd downy underneath. S.
Benzoin. T. leaves lanced. S.

160. BRABEIIUM. ♂ Scale of the Ament. Cor.
4-parted, revolute upwards. Stam.
4. *Pistil* 1, with Stigmas 2.
Drupe roundish. Seed globular.

♂ Scales of the Ament 3-flower'd.
Cor. 4-parted. Stam. 4, inverted
in the throat. Style two-cleft
abortive.

stellulifolium. 1. BRABEIIUM. *Starlet-leaved.*

1154. CLUSIA. MALE. Cal. 4 or 6-leaved:
leaflets opposite, imbricated. Cor.
4 or 6-petal'd. Stam. numerous.

FEM: Cal. and Cor. as in the males.
Nectary from the Anthers coa-
lesced including the germ. *Caps.*
5-cell'd, 5-valved, stuff'd with
pulp.

<i>rosea.</i>	1. C. leaves veinless, corols six-petal'd.	<i>rose.</i>
<i>alba.</i>	2. C. leaves veinless, corols 5-petal'd.	<i>white.</i>
<i>flava.</i>	3. C. leaves veinless, corols four-petal'd.	<i>yellow.</i>
<i>venosa.</i>	4. C. leaves vein'd.	<i>vein'd.</i>

1141 OPHI-

1142. OPHIOXYLUM. HERMAPH. Cal. 5-cleft.
 Cor. 5-cleft, funnel-form. Stam.
 5. Pistil 1.

MALE. Cal. 2-cleft. Cor. 5-cleft,
 funnel-form in the mouth, with
 Nectary cylindric. Snake-wood.

serpentinum. 1. OPHIOXYLUM. *serpent.*

FUSANUS. HERMAPH. Cal. 5-cleft.
 Cor. none. Stam. 4. Germ be-
 neath. Stigmas 4. Drupe.

MALE. HERMAPH. Cal. Cor. Stam.
 Pistil of the Male. Fruit abortive.
 One-house.

compressus. 1. FUSANUS. *compressed.*

1155. ACER. HERMAPH. Cal. 5-cleft. Cor.
 5-petal'd. Stam. 8. Pistil 1.
 Capsules 2 or 3. 1-seeded, ter-
 minated with a Wing.

MALE. Cal. 5-cleft. Cor. 5-pe-
 tal'd. Stam 8. Maple.

sempervi- 10. A. leaves egg'd most intire ever-green. *ever-green.*
rens.

tataricum. 1. A. leaves hearted undivided saw'd: lobes obscure,
 flows racemed. *tartarian.*

Pseudo-pla- 2. A. leaves five-lobed unequally saw'd, flowers racemed.
tanus.

rubrum. 3. A. leaves five-lobed rather tooth'd sea-green under-
 neath, peduncles most simple aggregate. *red.*

saccharinum. 4. A. leaves five-part-handed point-tooth'd, pubescent
sugar.
 5. A.

- platanoides*. 5. A. leaves five-lobed pointed acutely tooth'd smooth,
flowers corymbed. *plane-like.*
- pensylvanicum*. 6. A. leaves three-lobed pointed sawletted, flowers racem-
ced. *pensylvanian.*
- campestris*. 7. A. leaves lobed obtuse end nick'd. *field.*
- monspessulanum*. 8. A. leaves three-lobed most intire smooth annual. *montpelier.*
- creticum*. A. A. leaves three-lobed most intire pubescent perennial. *cretan.*
- Negundo*, 9. A. leaves compound, flowers racemed.

1143. CELTIS. HERMAPH. Cal. 5-parted. Cor.
o. Stam. 5. Styles 2. Drupe
1-seeded.

MALE. Cal. 6 - parted. Cor. o.
Stam. 6.

- australis*. 1. C. leaves egg-lanced. *southern.*
- occidentalis*. 3. C. leaves obliquely egg'd pointed. *occidental.*
- orientalis*. 4. C. leaves obliquely hearted villous underneath. *oriental.*

1157. GOUANIA. HERMAPH. Cal. 5-cleft.
Cor. o. Anther 5, covered un-
der the calyptre. Style 3-cleft.
Fruit beneath, three-partible.

MALE. similar, without germ and
stigma.

- domingensis*. 1. G. leaves smooth. *doming.*

1061. SOLANDRA. HERMAPH. *Cal.* properly none. *Cor.* 6-petal'd. *Stam.* 6. *Styles* 2. *Caps.* beneath, two-house.

MALE. proper *Calyxes* none. *Cor.* 5-petal'd. *Stam.* 5.

capensis. I. SOLANDRA. *cape.*

1332. HERMAS. HERMAPH. *Umbel* terminal. Universal involucre and partial ones. Rays of the *Umbellet* lop'd: the central one flower-bearing. *Petals* 5. *Stamens* 5, barren. *Seed* twofold suborbicular.

MALE. Lateral *Umbels* with an universal and partial involucre, *Umbellets* many-flower'd. *Petals* 5. *Stamens* 5, fertile.

<i>depauperata.</i>	HERMAS.	<i>poor.</i>
<i>capitata.</i>	H. stem downy, leaves nearly hearted saw'd, umbels headed. S.	<i>headed.</i>
<i>gigantea.</i>	H. leaves lance-egg'd woolly above downy underneath intire. S.	<i>giant.</i>
<i>quinquedentata.</i>	H. stem smooth, leaves egg'd five-tooth'd downy underneath, umbel solitary. S.	<i>five-tooth'd.</i>
<i>ciliata.</i>	H. stem smooth, leaves egg'd fringed downy underneath, umbels numerous. S.	<i>fringed.</i>

1158. MIMOSA. HERMAPH. Cal. 5-tooth'd.
 Cor. 5-cleft. Stam. 5 or more.
 Pistil 1. Legume.

MALE. Cal. 5-tooth'd. Cor. 5-
 cleft. Stam. 5, 10, more. Sen-
 sitive Plant.

* Leaves simply feather'd.

- Inga.* 1. M. unarm'd, leaves feather'd 5-pair'd : petiole mar-
 gin'd jointed.
fagifolia. 2. M. unarm'd, leaves feather'd 2-pair'd : petiole mar-
 gin'd. *Beech-leaved.*
nodosa. 3. M. unarm'd, leaves feather'd 2-pair'd : the interior
 feathers less ; petiole linear. *knotty.*
natans. M. unarm'd procumbent, leaves two-pair'd, heads
 roundish, flowers ten-male : radical ones bar-
 ren larger. S. *swimming.*
simplicifolia. M. unarm'd arborecent, leaves egg'd most intire
 nerved obtuse, spikes globular peduncled. S.
simple-leaved.

* * Leaves twice-double or thrice-double.

- bigemina.* 4. M. unarm'd, leaves twice-double pointed. *twice-double.*
Unguis cati. 6. M. thorny, twice-double obtuse. *Cat's claw.*
tergemina. 5. M. unarm'd, leaves thrice-double. *thrice-double.*

* * * Leaves pair'd (also feather'd.)

- latifolia.* 7. M. unarm'd, leaves pair'd : terminal feathers oppofite ;
 lateral ones alternate. *broad-leaved.*
purpurea. 9. M. unarm'd, leaves pair'd feather'd : innermost fea-
 thers less. *purple.*
reticulata. 43. M. thorns stipulary, leaves pair'd : leaflets six-pair'd,
 petioles terminated by a gland and prickle. *netted.*
viva. 11. M. unarm'd, leaves pair'd feather'd : partial ones four-
 pair'd roundish, stem herbaceous unarm'd. *living.*
circinalis. 8. M. prickly, leaves pair'd feather'd : feathers equal,
 stipules thorny. *spiral.*
cineraria. 10. M. prickly, leaves pair'd feather'd : feathers equal,
 prickles incurved. *ash-colour'd.*
 12. M.

780. POLYGAMIES. ONE HOUSE. *Mimosa*.

- casta*. 12. M. prickly, leaves pair'd feather'd: partial ones thrice-pair'd subequal. *chaste.*
- sensitiva*. 13. M. prickly, leaves pair'd feather'd: partial ones twice-pair'd; the inmost least. *sensitive.*
- pudica*. 14. M. prickly, leaves nearly finger'd feather'd, stem hispid. *modest.*
- * * * * *Leaves twice-feather'd.*
- Eutada*. 16. M. unarm'd, leaves twice-feather'd terminated by a tendril: partial ones five-pair'd.
- scandens*. 15. M. unarm'd, leaves pair'd terminated by a tendril: leaflets twice-pair'd. *climbing.*
- plena*. 17. M. unarm'd, leaves twice-feather'd, spikes five-male: the inferiour ones full. *full.*
- virgata*. 19. M. unarm'd erect angled, leaves twice-feather'd, spikes ten-male: inferiour male ones castrated, stem erect, angled. *twiggy.*
- punctata*. 18. M. unarm'd, leaves twice-feather'd, spikes erect, flowers ten-male: inferiour ones castrated. *dotted.*
- pernambucana*. 20. M. unarm'd, leaves twice feather'd, spikes bowing five-male: inferiour ones castrated, stem decumbent.
- arborea*. 21. M. unarm'd, leaves twice-feather'd: feathers halved acute, stem arborefcnt. *arborefcnt.*
- Lebeck*. 22. M. unarm'd, leaves twice-feather'd four-pair'd: feathers oval-oblong, flowers one-brotherhood fascicled, stem arborefcnt.
- vaga*. 23. M. unarm'd, leaves twice-feather'd: exterior feathers larger incurved pubescent. *vague.*
- latifiliqua*. 24. M. unarm'd, leaves twice-feather'd: partial ones 5-pair'd, branchlets winding, buds globular. *broad-podded.*
- polystachya*. 22. M. unarm'd, leaves twice-feather'd: partial ones and feathers 6-pair'd oblong. *many-spiked.*
- muricata*. 26. M. unarm'd, leaves twice-feather'd: partial ones five-pair'd: proper ones many-pair'd, stem murex'd. *murex'd.*
- peregrina*. 25. M. unarm'd, leaves twice-feather'd: partial ones 16-pair'd, feathers 40-pair'd, a petiole-gland at the base. *foreign.*
- glauca*. 27. M. unarm'd, leaves twice-feather'd: partial ones 6-pair'd, feathers most numerous, a gland between the lowest. *sea-green.*
28. M.

- cinerea.* 28. M. thorns solitary, leaves twice-feather'd, flowers spiked. *ash-colour'd.*
- cornigera.* 29. M. thorns stipulary double conjoined, leaves twice-feather'd. *horn-bearing.*
- horrida.* 30. M. thorns stipulary, the length of the leaves, leaves twice-feather'd: partial ones 6-pair'd, branches polish'd. *horrid.*
- tortuosa.* 31. M. thorns stipulary, leaves twice-feather'd, four-pair'd: a gland between the lowest, feathers 16-pair'd, spikes globular. *twisted.*
- farnesiana.* 33. M. thorns stipulary distinct, leaves twice-feather'd: partial ones 8-pair'd, spikes globular sessile: *Farnesian.*
- nilotica.* 34. M. thorns stipulary expanding, leaves twice-feather'd: outmost partial ones divided by a gland: spikes globular peduncled. *nile.*
- pigra.* 37. M. prickly polish'd, leaves twice-feather'd oppositely prickled: thorn erect between each of the partial ones. *suggish.*
- asperata.* 38. M. prickly shaggy; leaves twice-feather'd oppositely prickled: thorn erect between the several partial ones. *rough.*
- Senegal.* 32. M. thorns three-fold. intermediate one reflected, leaves twice-feather'd, flowers spiked.
- cæsia.* 35. M. prickly, leaves twice-feather'd: feathers oval-oblong obliquely pointed. *grey.*
- pennata.* 36. M. prickly, leaves twice-feather'd most numerous linear-awny, panicle prickly, heads globular. *feather'd.*
- Intsia.* 39. M. prickly, leaves twice-feather'd: feathers incurved, stem angled, stipules longer than the prickle.
- semispinosa.* 40. M. prickly, leaves twice-feather'd, stem-joints prickly above. *half-thorny.*
- quadrivalvis.* 41. M. prickly, leaves twice-feather'd, stem four-angled with prickles recurved, legumes four-valved. *four-valved.*
- tenuifolia.* 37. M. prickly, leaves twice-feather'd: partial ones 20-pair'd: feathers many-pair'd. *slender-leaved.*
- Ceratonia.* 42. M. prickly, leaves twice-feather'd 5-pair'd: partial ones three-pair'd: feathers three-nerved.
- tamarindi-folia.* 43. M. prickly, leaves twice-feather'd five-pair'd: partial ones ten-pair'd, petioles unarm'd. *tamarind-leaved.*

782. POLYGAMIES. ONE HOUSE. Mimosa.

- odoratissima.* M. unarm'd, leaves twice-feather'd : 4-pair'd : many-pair'd, leaflets oblong obtuse, panicles twiggy : spikelets globular. S. *most odorous.*
- eburnea.* M. thorns stipulary conjoin'd divaricated columnar awl'd, leaves twice-feather'd : leaflets six-pair'd, spikes globular peduncled axillary numerous. S. *ivory.*
- latronum.* M. thorns stipulary conjoin'd divaricated columnar awl'd, leaves twice-feather'd : leaflets four-pair'd ; spikes elongate peduncled axillary mostly double. S. *thief's.*
- Cornigera:* M. thorns stipulary conjoined divaricated compress'd awl'd at top, leaves twice-feather'd : leaflets 12 to 20-pair'd ; spikes axillary elongate. S. *horn-bearing.*
- Catechu.* M. thorns stipulary, leaves twice-feather'd, many-pair'd : glands to each of the partial ones, spikes axillary double or three-fold peduncled. S.

T W O H O U S E S.

(*Dioecia.*)

1159. GLEDITSIA. HERMAPH. Cal. 4-cleft. Cor. 4-petal'd. Stam. 6. Pistil 1. Legume.

MALE. Cal. 3-leaved. Cor. 3-petal'd. Stam 6.

FEM. Cal. 5-leaved. Cor. 5-petal'd. Pist. 1. Legume.

triacanthos. I. G. stem with thorns triple axillary. *three-thorn'd.*
inermis. A. G. stem unarm'd, *unarm'd.*

1160. FRAX-

1160. FRAXINUS. HERMAPH. *Cal.* 0. or 4-parted. *Cor.* 0. or 4-petal'd. *Stam.* 2. *Pist.* 1. *Seed* 1, lanced.

FEM. *Pist.* 1, lanced. *Ash.*

- excelsior.* 1. F. leaves saw'd, flowers petalless. taller.
Ornus. 2. F. leaflets saw'd, flowers corol'd.
americana. 3. F. leaflets most intire, petioles columnar. american.

1161. DIOSPYROS. HERMAPH. *Cal.* 4-cleft. *Cor.* pitcher'd, 4-cleft. *Stam.* 8. *Style* 4-cleft. *Berry* 8-seeded.

MALE. *Cal.* *Cor.* *Stam.* of the former.

- Lotus.* 1. D. surfaces of the leaves different-colour'd.
virginiana. 2. D. surfaces of the leaves same-colour'd. virginian.
Kaki. D. branches downy, leaves egg'd pointed at both ends pubescent underneath, peduncles solitary two-flower'd bowing. S.
hirsuta. D. branches and leaves villous underneath, leaflets elliptic obtuse, flowers axillary collected sessile. S. shaggy.
Ebenum. D. most smooth, leaves oblong most smooth on both sides leathery vein-netted, flowers axillary solitary sessile. S.

1163. NYSSA. HERMAPH. *Cal.* 5-parted. *Cor.* 0. *Stam.* 5. *Pist.* 1. *Drupe* beneath.

MALE. *Cal.* 5-parted. *Cor.* 0. *Stam.* 10.

- aquatica.* 1. NYSSA. aquatic.

1164. AN-

1164. ANTHOSPERMUM. HERMAPH. Cal. 4-parted. Cor. o. Stam. 4. Pist. 2. Germ beneath.

MALE and FEM. on the same or separate plants.

- | | | |
|-------------------|--|--|
| <i>æthiopica.</i> | 1. A. leaves polish'd. | |
| <i>ciliare.</i> | 2. A. leaves fringed on the keel and margin. | <i>æthiopian.</i> |
| <i>herbaceum.</i> | A. leaves sixfold polish'd, stem herbaceous. | <i>fringed.</i>
<i>S. herbaceous.</i> |

1336. STILBE. HERMAPH. Exterieur Calyx 3-leaved; Interior one 5-tooth'd, cartilaginous. Cor. funnel-form 5-cleft. Stam. 4. Seed 1, in the interior calyx calyptred.

MALE similar. Interior Calyx none. Fruit none.

- | | | |
|-------------------|---|--------------------|
| <i>pinastra.</i> | S. spikes shaggy, leaves sixfold linear. | <i>pinastr.</i> |
| <i>Ericoides.</i> | S. spikes polish'd, leaves fourfold lanced. | <i>Heath-like.</i> |
| <i>cernua.</i> | S. spikes bowing, leaves four-fold. | <i>S. bowing.</i> |

1165. ARCTOPUS. MALE. *Umbel* compound. *Involucres* 5-leaved. *Cor.* 5-petal'd. *Stam.* 5. *Pistils* 2, abortive.

ANDROG. *Umbel* simple. *Involucre* 4-parted, thorny, most large, containing male florets most numerous in the disk; and Females 4, in the ray.

MALE. *Petals* 5. *Stamens* 5.

FEM. *Petals* 5. *Styles* 2. *Seed* 1, 2-cell'd, beneath.

echinatus. 1. ARCTOPUS. *hedge-hog'd.*

1162. PISONIA. HERMAPH. *Cal.* scarcely any. *Cor.* bell'd, 5-cleft. *Stam.* 5 or 6. *Pist.* 1. *Caps.* 1-cell'd, 1-seeded, 5-valved.

MALE and FEM. sometimes in the same, sometimes in different plants.

aculeata. 1. P. thorns axillary most expanding. *prickly.*
inermis. 2. P. stem unarm'd. *unarm'd.*

1166. PANAX. HERMAPH. *Umbel.* *Cal.* 5-tooth'd, above. *Cor.* 5-petal'd. *Stam.* 5. *Styles* 2. *Berry* 2-seeded.

MALE. *Umbel.* *Cal.* intire. *Cor.* 5-petal'd. *Stam.* 5. *Ginseng.*

quinquefolium. 1. P. leaves threefold fived. *five-leaved.*
2. P.

786. POLYGAMIES. TWO HOUSES. Panax.

- trifolium.* 2. P. leaves threefold three'd. *three-leaved.*
fruticosum. 3. P. leaves superdecompound tooth-fringed, stem shrubby. *shrubby.*
arborea. P. leaves seven'd, umbels compound. S. *arborescent.*
spinosa. P. shrubby, thorns branch-beneath solitary, leaves alternate fived, umbels lateral. S. *thorny.*

1335. CHRYSITRIX. HERMAPH. *Glume* two-valved. *Corol* from Chaff numerous, bristly. *Stamens* many, one within each chaff. *Pistil* 1.

MALE. as in the hermaphrodite. *Pistil* 0.

capensis.

CHRYSITRIX.

CAPE.

T H R E E H O U S E S.

(*Trioecia.*)

1167. CERATONIA. HERMAPH. *Cal.* 5-parted. *Cor.* none. *Stam.* 5. *Style* thread-form. *Legume* leathery, many-seeded.

TWO-HOUSE. *Male* and *Female* distinct.

Silique.

1. CERATONIA.

Silique.

1168. FICUS.

1168. **FICUS.** Common *Receptacle* top-shape, fleshy, converging, concealing the florets either in the same or a distinct one.

MALE. *Cal.* 3-parted. *Cor.* 0.
Stam. 3.

FEM. *Cal.* 5-parted. *Cor.* 0. *Pist.*
1. *Seed* 1. *Fig.*

- | | | |
|----------------------|---|------------------------|
| <i>Carica.</i> | 1. F. leaves handed. | |
| <i>Sycomorus.</i> | 2. F. leaves hearted roundish most intire downy underneath. | <i>Sycamore.</i> |
| <i>nymphœifolia.</i> | F. leaves hearted roundish dagger'd most intire smooth sea-green underneath. | <i>nympha-leaved.</i> |
| <i>religiosor.</i> | 3. F. leaves hearted oblong most intire most pointed. | <i>religious.</i> |
| <i>benjamina.</i> | F. leaves egg'd pointed transversely striated with polish'd margin. | <i>Benjamin.</i> |
| <i>benghalensis.</i> | 4. F. leaves egg'd most intire obtuse, stem radicated beneath. | <i>Bengal.</i> |
| <i>indica.</i> | 5. F. leaves lanced most intire petioled, peduncles aggregate, branches rooting. | <i>indian.</i> |
| <i>racemosa.</i> | 6. F. leaves egg'd most intire acute dot-impres'd, stem arborefcnt. | <i>racemed.</i> |
| <i>retusa.</i> | F. leaves inverse-egg'd oblong most obtuse, branches angled, fruit sessile. | <i>retuse.</i> |
| <i>pumila.</i> | 8. F. leaves oblong-egg'd acute most intire netted underneath, stem jointed creeping. | <i>dwarf.</i> |
| <i>toxicaria.</i> | F. leaves heart-egg'd rather toothletted downy underneath. | <i>poisonous.</i> |
| <i>maculata.</i> | 7. F. leaves oblong pointed saw'd. | <i>spotted.</i> |
| <i>trigona.</i> | F. leaves elliptic, calyxes two-cleft, berries with navel triangular. S. | <i>three-corner'd.</i> |
| <i>pertusa.</i> | F. leaves egg'd smooth, calyxes two-cleft, berries globular navel'd with a hollow. S. | <i>broken.</i> |
| <i>hispida.</i> | F. leaves petioled oblong acute, fruit lance-prickle-hispid. S. | <i>hispid.</i> |

788. POLYGAMIES. THREE HOUSES. Ficus.

- heterophylla.* F. stem hispid, leaves oblong undivided three-lobed and sinuous rugged, fruit peduncled smooth. S. *different-leaved.*
- microcarpa.* F. leaves oblong shortly petioled three-nerved veined most smooth, fruit globular small sessile. S. *small-fruited.*

* * *Fruifications froned, on the iuferiour furface.*

1173. ACROSTICHUM. *Spot occupying the whole difk.*
 1179. POLYPODIUM. *Dots of the difk diftinct.*
 1176. HERMIONITIS. *Lines of the difk decuffating.*
 1178. ASPLENIUM. *Lines of the difk nearly parallel, various.*
 1175. BLECHNUM. *Lines of the difk adjacent to the rib on both fides.*
 1177. LONCHITIS. *Lines of the margin at the finufes.*
 1174. PTERIS. *Lines of the margin at the periphery.*
 1180. ADIANTHUM. *Spots conceal'd by the reflected margin of the tops.*
 1181. TRICHOMANES. *Fruif. folitary infered in the very margin.*

* * * *Fruifications radical.*

1182. MARSILEA. *Fruet. 4-capsuled.*
 1183. PILURARIA. *Fruet. 4-cell'd.*
 1184. ISOETES. *Fruet. 2-cell'd.*

M O S S E S.

(*Musc.*)

* *Calyptrelefs.*

1185. LYCOPODIUM. *Anther 2-valved; feffile.*
 1186. PORELLA. *Anther perforated with pores.*
 1187. SPHAGNUM. *Anther with mouth polifh'd.*
 1189. PHASCUM. *Anther with mouth fringed.*

* * *Calyptred two-bed.*

1191. SPLACHNUM. *Anther with apophyfis moft large.*
 1192. POLYTRICHUM. *Anther with apophyfis leaft, margin'd.*
 1193. MNIMUM. *Anther without apophyfis.*

* * * *Calyptred one-bed.*

1194. BRYUM. *Anther peduncle terminal from a tubercle.*
 1195. HYPNUM. *Anther peduncle lateral from the Perichæ-
tium.*
 1190. FONTINALIS. *Anther feffile obvolved by the imbricated
Perichæcium.*
 1188. BUXBAUMIA. *Anther peduncled, membranous on one fide.*

FLAGS.

F L A G S.

(*Algæ.*)

* *Terrestrial.*

1198. MARCHANTIA. Fl. common calyx targetted, flowering underneath.
 1196. JUNGERMANNIA. Fl. calyx simple, 4-valved.
 1197. TARGIONIA. Fl. calyx 2-valved.
 1201. ANTHOCEROS. Fl. calyx tubular. *Anther* awl'd two-valved.
 1199. ELASIA. Fr. cylindric, tubular.
 1200. RICCIA. Fr. Grainlets growing on the frond.
 1202. LICHEN. Fr. receptacle polish'd shining.
 1208. BYSSUS. Substance woolly.

* * *Aquatic.*

1204. TREMELLA. A. gelatinous.
 1206. ULVA. A. membranous.
 1205. FUCUS. A. leathery.
 1207. CONFERVA. A. Capillary.

F U N G U S S E S.

(*Fungi.*)

* *Hatted.*

1209. AGARICUS. Hat with folds underneath.
 1210. BOLETUS. Hat porous underneath.
 1211. HYDNUM. Hat hedge-hog'd underneath.
 1212. PHALLUS. Hat polish'd underneath.

* * *Destitute of a Hat.*

1213. CLATHRUS. F. latriced.
 1214. HELUELLA. F. top-shape.
 1215. PEZIZA. F. bell'd.
 1216. CLAVARIA. F. oblong.
 1217. LYCOPERDON. F. globular.
 1218. MUCOR. F. bladdery stiped.

FERNS.

F E R N S.

(Filices.)

1169. **EQUISETUM.** *Spike* with Fructifications targetted, gaping at the many-valved base. *Horse-tail.*

- | | | |
|--------------------|---|----------------|
| <i>sylvaticum.</i> | 1. E. stem spiked, fronds compound. | <i>wood.</i> |
| <i>arvense.</i> | 2. E. fructifying scape naked; barren one fronded. | <i>field.</i> |
| <i>palustre.</i> | 3. E. stem angled, fronds simple. | <i>marsh.</i> |
| <i>fluviatile.</i> | 4. E. stem striated, fronds subsimple. | <i>river.</i> |
| <i>limosum.</i> | 5. E. stem nearly naked polish'd. | <i>mud.</i> |
| <i>hyemale.</i> | 6. E. stem naked rugged subracemed at the base. | <i>winter.</i> |
| <i>giganteum.</i> | 7. E. stem striated arborescent, fronds simple upright spike-bearing. | <i>giant.</i> |

1222. **CYCAS. MALE.** *Ament* strobile-form with scales underneath cover'd every where with Dust.

FEM. *Spadix* sword-form. *Germ*s immersed in an angle, solitary. *Style* 1. *Drupe* with nucleus woody.

circinalis. CYCAS. fronds feather'd: leaflets linear flat. *spiral.*

1227. **ZAMIA. MALE.** *Ament* strobile-form with scales underneath cover'd with dust.

FEM. *Ament* strobile-form with scales on each margin. *Berry* solitary.

- | | |
|-----------------|---|
| <i>pumila.</i> | 1. Z. fronds feather'd: leaflets subopposite lanced. <i>dwarf.</i> |
| <i>pumila.</i> | Z. fronds feather'd: leaflets linear obtuse. <i>S. dwarf.</i> |
| <i>Cycadis.</i> | Z. fronds feather'd: leaflets lanced acute-thorny. <i>Of Cycas.</i> |
| | S. |

1170. ONOCLEA. *Spike* two-rank'd : Fructification 5-valved.

- sensibilis.* 1. O. fronds feather'd subracemed at top. *sensible.*
polypodioides. O. fronds twice-feather'd, fructifications 3-valved. *polypodium-like.*

1171. OPHIOGLOSSUM. *Spike* jointed, two-rank'd : joints transversely gaping. *Adder's tongue.*

- vulgatum.* 1. O. frond egg'd. *common.*
lusitanicum. 2. O. frond lanced. *portugal.*
reticulatum. 4. O. frond hearted. *netted.*
palmatum. 5. O. frond handed spike-bearing at the base. *handed.*
pendulum. 3. O. fronds linear most long undivided. *pendulous.*
scandens. 6. O. stem winding columnar, fronds pair'd feather'd : leaflets spike-bearing on both sides. *climbing.*
flexuosum. 7. O. stem winding angled, fronds two-leaved : feathers threeleft-handed. *winding.*
flexuosum. O. scape winding columnar, fronds opposite petioled handed : feathers lanced most intire smooth. *S. winding.*
nudicaule. O. leaves egg'd, scape leafless. *S. naked-stem.*

1172. OSMUNDA. *Spike* branchy : fructifications globular.

I. *Scapes sitting on the stem at the base of the frond.*

- zeylanica.* 1. O. stem-scape solitary, fronds verticil'd lanced undivided. *Ceylon.*
Lunaria. 2. O. stem-scape solitary, frond feather'd solitary.
virginica. 3. O. stem-scape solitary, frond superdecompound. *virginian.*
phyllitidis. 4. O. stem-scapes double, frond feather'd, stem polish'd :
hirta. 5. O. stem-scapes double, frond feather'd, stem shaggy. *shaggy.*
hirsuta. 6. O. stem-scapes double, fronds twice-feather'd shaggy. *shagged.*

* * *Scapes*

* * *Scapes naked; growing from the root.*

- verticillata.* 8. O. scapes rooted; racemes verticill'd, frond superde-
compound. *verticill'd.*
- cervina.* 9. O. scape rooted, frond feather'd: feathers most
intire. *stag.*
- bipinnata.* 10. O. scape rooted, frond feather'd: feathers feather-
cleft. *twice-feather'd.*
- filiculifolia.* 11. O. scape rooted panicled, frond superdecompound.
fernlet-leaved.

* * * *The frond itself bearing the Fructifications.*

- regalis.* 12. O. fronds twice-feather'd: raceme-bearing at top. *royal.*
- claytoniana.* 13. O. fronds feather'd: feathers feather-cleft close-fruc-
tifying at top.

* * * * *Some Fronds leafy, others fructifying.*

- capensis.* O. fronds feather'd; feathers heart-lanced notch-
letted. *cape.*
- cinnamomea.* 14. O. fronds feather'd: feathers feather-cleft, scapes
shaggy, racemes opposite compound. *cinnamon.*
- Struthiopte-* 15. O. fronds feather'd: feathers feather-cleft, scape
ris. fructifying two-rank'd. *Ostrich-wing'd.*
- Spicant.* 16. O. fronds lanced feather-cleft; divisions confluent
most intire parallel. *Spicant.*
- crispa.* 17. O. fronds superdecompound: alternate feathers
roundish gash'd. *curl'd.*

1173. ACROSTICHUM. *Fructifications covering the whole disk of the Frond.*
Acrostick.

* *Frond simple undivided.*

- lanceolata.* 1. A. fronds linear-lanced acute, shoot climbing. *lanced.*
- citrifolium.* 2. A. fronds lance-egg'd most intire, shoot climbing.
citron-leaved.
- heterophyllum.* 3. A. fronds most intire smooth petioled: barren ones
roundish; fertile ones linear. *different-leaved.*
- crinitum;* 4. A. fronds egg'd obtuse shaggy hairy above. *hairy.*
- punctatum.* 5. A. fronds heart-tongued pointed most intire dotted
above. *dotted.*
- A. frond

spicatum. A. frond simple petiole-lanced attenuated at both ends most intire, spike terminal linear. S.

* * *Fronde simple divided.*

septentrionale. 6. A. fronds naked linear. *northern.*

pectinatum. 7. A. naked most simple, spike moon'd one-rank'd ascending compress'd. *comb.*

dichotomum. 8. A. naked two-fork'd, spikes one-rank'd ascending reflected compress'd. *two-fork'd.*

digitatum. 9. A. stipes naked three-sided; frond finger'd linear most intire equal. *finger'd.*

ferrugineum. 10. A. fronds feather-cleft: feathers linear acute expanding most intire conjoin'd, stipe polish'd. *iron.*

polypodiodes. 11. A. fronds feather-cleft: feathers linear obtuse most intire expanding crown'd, stipe scaly. *polypodium-like.*

australe. A. stipes naked most smooth two-fork-branched at top five or six-ray'd awl'd side-flower'd. S. *southern.*

* * * *Fronde feather'd.*

aureum. 12. A. frond feather'd: feathers alternate tongue-form most intire smooth. *golden.*

rufum. 13. A. fronds feather'd: feathers oblong egg'd most intire pubescent. *red.*

sorbifolium. 14. A. fronds feather'd: feathers oblong-egg'd intire saw'd acute, stipes scaly. *sorbus-leaved.*

areolatum. 17. A. fronds feather'd: feathers alternate linear saw'd at top. *arced.*

marginatum. 15. A. fronds feather'd: feathers oblong most intire waved pointed, stipe naked. *margin'd.*

sanctum. 16. A. fronds feather'd lanced: feathers linear-lanced gash-saw'd: the lowest sawings larger. *holy.*

platyneuros. 18. A. fronds feather'd: feathers alternate egg'd notch'd bow'd above. *flat-nerved.*

trifoliatum. 16. A. fronds feather'd: leaflets three'd lanced. *three-leaved.*

punctatum. A. frond feather'd: leaflets alternate lanced most intire: the lowest ones ear'd, the highest ones decurrent, dotted above smooth. S. *dotted.*

* * * * Frond rather feather'd.

- siliquosum.* 20. A. fronds feather'd : feathers alternate featherletted above linear : the inferiour ones two-parted. *siliqued.*
- thalictroides.* 21. A. fronds feather'd : feathers alternate feather-cleft on both sides : the barren ones broader. *Thalicttrum-like.*
- marantæ.* 21. A. fronds nearly twice-feather'd : feathers opposite-coadjoin'd most shaggy underneath ; rather tooth'd at the base. *maranta.*
- ilvense.* 23. A. fronds nearly twice-feather'd : feathers opposite-coadjoin'd obtuse shaggy underneath most intire at base. *Ilva.*
- ebeneum.* 24. A. frond feather'd : feathers sessile oblong sinuous ; the highest most short most intire. *ebony.*
- furcatum.* 26. H. two-fork'd, leaflets feather'd : feathers parallel lanced approximated most intire. *fork'd.*

* * * * * Frond twice-feather'd.

- aculeatum.* 30. A. fronds superdecompound : feathers two-cleft, stipes prickly. *prickly.*
- cruciatum.* 27. A. fronds twice-feather'd : leaflets opposite lanced : the lowest appendaged cross-wise. *cross'd.*
- barbarum.* 28. A. fronds twice-feather'd : leaflets opposite ; feathers lanced obtuse saw'd sessile alternate. *barbarous.*
- calomelanos.* 29. A. fronds twice-feather'd : feathers alternate lanced pointed feather-cleft. *fine-black.*
- viviparum.* A. fronds viviparous twice-feather'd : feathers two'd one-sided : featherlets feather-cleft forked awl'd fructifying on the interiour margin. *S. viviparous.*

1174. PTERIS. *Fructifications* in marginal Lines.
*Brakes.** *Fronds most simple.*

- piloselloides.* 1. P. barren fronds inverse-egg'd : fertile ones lanced longer, shoots creeping. *Pilosella-like.*
- lanceolata.* 2. P. fronds simple lanced subangular smooth : with top fructifying. *lanced.*
- lineata.* 3. P. fronds simple linear most intire fructifying longitudinally. *lined.*
4. P.

- tricuspidata.* 4. P. fronds simple linear with top three-cleft. *three-piked.*
- furcata.* 5. P. fronds simple two-fork'd hispid underneath: tops fructifying. *forked.*
- quadrifoliata.* 6. P. fronds four'd roundish most intire, shoots creeping. *four-leaved.*
- * * *Fronds simply feather'd or compound*
- arborea.* 5. P. fronds feather'd: leaflets feather-cleft, stem arborescent prickly. *arborescent.*
- grandifolia.* 7. P. fronds feather'd: feathers opposite egg-linear pointed most intire. *great-leaved.*
- longifolia.* 8. P. fronds feather'd: feathers linear scollop'd; hearted at the base. *long-leaved.*
- vittata.* 9. P. fronds feather'd: feathers linear straight rounded at the base. *filleted.*
- stipularis.* 10. P. fronds feather'd: feathers linear sessile, stipules lanced. *stipuled.*
- trichomanoides.* 11. P. fronds feather'd: feathers rather egg'd obtuse scollop'd shaggy underneath. *Trichomanes-like.*
- cretica.* 20. P. fronds feather'd: feathers opposite lanced saw'd narrow at the base; the lowest ones nearly three-parted. *cretan.*
- * * * *Fronds nearly twice-feather'd or branchy.*
- pedata.* 12. P. fronds five-angled three-leaved: feathers feather-cleft; the lateral ones two-parted. *footed.*
- aquilina.* 13. P. fronds superdecompounded: leaflets feather'd: feathers lanced; the lowest feather-cleft; the superiour ones less. *aquiline.*
- caudata.* 14. P. fronds superdecompound, feathers linear: the lowest feather-tooth'd at the base; the terminal ones longest. *tail'd.*
- mutilata.* 15. P. fronds decompound: leaflets feather'd; the lowest half-feathercleft; the terminal ones and those of the base most long. *mutilated.*
- atropurpurea.* 16. P. fronds decompound feather'd: feathers lanced; the terminal ones longer. *black-purple.*
- biaurita.* 17. P. fronds feather'd: feathers feather-cleft: the lowest two-parted. *two-ear'd.*
- semipinnata.* 18. P. fronds mostly twice-feather'd: lateral leaflets and the lowest lobe half-feather-cleft. *half-feather'd.*
- ferrulata.* P. fronds half-twice-feather'd linear sawletted. *S. saw-letted.*

1175. BLECHNUM. *Fruetifications* in two lines, appproximated to the rib of the frond, parallel.

- | | | |
|---------------------|---|--------------------|
| <i>occidentale.</i> | 1. B. fronds feather'd: feathers lanced opposite end-nick'd at the base. | <i>occidental.</i> |
| <i>orientale.</i> | 2. B. fronds feather'd: feathers linear alternate. | <i>oriental.</i> |
| <i>australe.</i> | 3. B. fronds feather'd: feathers subseffile heart-lanced most intire: the lowest ones opposite. | <i>southern.</i> |
| <i>virginicum.</i> | B. fronds feather'd: feathers many-cleft. | <i>virginian.</i> |
| <i>radicans.</i> | B. fronds twice-feather'd: feathers lanced notchletted: the fructifying linelets interrupted. | <i>rooting.</i> |
| <i>japonicum.</i> | B. fronds feather'd: feathers lanced half-feather-cleft: lobes obtusifish saw'd. | <i>S. Japan.</i> |

1176. HEMIONITIS. *Fruetif.* in decussated lines.

- | | | |
|--------------------|---|------------------|
| <i>lanceolata.</i> | 1. H. fronds lanced most intire. | <i>lanced.</i> |
| <i>parasitica.</i> | 3. H. fronds egg'd pointed, shoots chaffy creeping. | <i>parasite.</i> |
| <i>palmata.</i> | 2. H. fronds handed shaggy. | <i>handed.</i> |

1177. LONCHITIS. *Fruetif.* in the linelets under the sinuses of the frond.

- | | | |
|-----------------|---|------------------|
| <i>hirsuta.</i> | 1. L. fronds feather-cleft obtuse most intire, shoots branchy shaggy. | <i>shaggy.</i> |
| <i>aurita.</i> | 2. L. fronds feather'd: lowest feathers two-parted, shoots undivided prickly. | <i>ear'd.</i> |
| <i>repens.</i> | 3. L. fronds feather'd: feathers alternate sinuous, shoots branchy prickly. | <i>creeping.</i> |
| <i>pedata.</i> | 4. L. fronds footed: feathers feather-cleft sawletted. | <i>footed.</i> |

1178. ASPLENIUM. *Fructif.* in the scatter'd
linelets of the Disk of the frond.
Spleenwort.

* *Fronde simple.*

- rhizo-phylla.* 1. A. fronds heart-fswordform undivided; with top
thread-form rooting. *root-leaved.*
- Hemionitis.* 2. A. leaves simple heart-halberted five-lobed most in-
tire, stipes polish'd.
- Scolopen-
drium.* 3. A. fronds simple heart-tongued most intire, stipes
shaggy.
- nidus.* 4. A. fronds simple lanced most intire smooth. *nest.*
- ferratum.* 6. A. fronds simple lanced saw'd subseffile. *saw'd.*
- plantagineum.* 5. A. fronds simple egg-lanced rather notch'd, stipe
four-corner'd. *plantain.*
- bifolium.* 7. A. fronds feather'd: leaflets lanced subsinuous con-
joined. *two-leaved.*

* * *Fronde feather-cleft.*

- Ceterach.* 8. A. fronds feather-cleft: lobes alternate confluent
obtuse.
- obtusifolia.* 2. A. fronds rather feather'd: feathers obtuse sinuous
decurrent alternate. *obtuse-leaved.*

* * * *Fronde feather'd.*

- nodosum.* 12. A. fronds feather'd: feathers opposite lanced most
intire. *knotted.*
- salicifolium.* 11. A. fronds feather'd: feathers sickle-lanced notch'd;
angled upwards from the base. *willow-leaved.*
- Trichoma-
noides.* 19. A. fronds feather'd; feathers roundish notch'd.
Trichomanes-like.
- dentatum.* 20. A. fronds feather'd: feathers wedge-form obtuse
notch-end-nick'd. *tooth'd.*
- marinum.* 21. A. fronds feather'd: feathers inverse-egg'd saw'd gib-
bous above obtuse: wedged at the base. *sea.*
- cultrifolium.* 10. A. fronds feather'd: feathers sickle-lanced gash-saw'd;
angled downwards at the base. *knife-leaved.*
- pygmeum.* 18. A. fronds feather'd: feathers roundish fivefold or
threefold. *pygmy.*
- rhizophorum.* 17. A. fronds feather'd rooting at top: feathers egg'd
rather ear-fcollop'd egg'd; the least ones re-
mote most intire. *root-bearing.*
20. A.

800. CLANDES. MARRIAGES. FERNS. *Asplenium.*

- monanthemum.* 20. A. fronds feather'd: feathers trapezium'd obtuse notch'd above; lines of fructification single. *one-flower'd.*
- Ruta muraria.* 22. A. fronds alternately decomposed: leaflets wedge-form notchletted. *Wall-Rue.*
- Adiantum nigrum.* 23. A. fronds mostly three-feather'd: leaves alternate; feathers lanced gash-saw'd. *Black Maiden-hair.*
- Trichomanes ramosum.* 24. A. fronds double-feather'd: feathers inverse-egg'd notch'd: inferior leaflets less. *Branchy Trichomanes.*
- marginatum.* 13. A. fronds feather'd: feathers opposite heart-lanced submargined most intire. *margined.*
- squamosum.* 14. A. fronds feather'd: feathers pointed gash'd, stipe scaly. *scaly.*
- striatum.* 15. A. fronds feather'd: feathers feather-cleft obtuse notch'd: terminal one pointed. *striated.*
- erosum.* 16. A. fronds feather'd: feathers trapeze-oblong striated gnaw'd increasing at the base. *gnaw'd.*

1179. POLYPODIUM. *Fructif.* in roundish dots, scatter'd over the disk of the frond. *Polypody.*

* *Frond undivided.*

- lanccolatum.* 1. P. fronds lanced most intire smooth, fructifications solitary, shoots naked. *lanced.*
- lycopodiodes.* 2. P. fronds lanced most intire smooth, fructifications solitary, shoots scaly creeping. *Lycopodium-like.*
- piloselloides.* 3. P. fronds lanced most intire shaggy: barren ones egg'd; fertile ones lanced, fructifications solitary. *Pilosella-like.*
- heterophyllum.* 4. P. fronds notch'd smooth: barren ones roundish sessile; fertile ones lanced, fructifications solitary. *different-leaved.*
- crassifolium.* 5. P. fronds lanced smooth most intire, fructifications in series. *thick-leaved.*
- phyllitidis.* 6. P. fronds lanced smooth most intire, fructifications scatter'd. *phyllitis.*
- comosum.* 7. P. fronds lanced smooth most intire: top many-cleft, fructifications scatter'd. *tufted.*
8. P.

- trifurcatum*. 8. P. fronds lanced smooth scollop-sinu-ous: three-lobed at top. *three-fork'd.*
- * * *Fron'd feather-cleft with lobes coadjoin'd.*
- phymatodes*. P. fronds simple three-cleft or five-lobed lanced warty above the fructifications.
- crispatum*. 9. P. fronds feather-cleft smooth: lobes semiorbicular notch'd. *curl'd.*
- suspensum*. 10. P. fronds feather-cleft smooth: lobes half-egg'd acute. *suspended.*
- asplenifolium*. 11. P. fronds feather-cleft hairy: lobes half-egg'd acute. *Asplenium-leaved.*
- scolopendroides*. 12. P. fronds feather-cleft lanced: lobes obtusifish; the lowest ones remote.
- vulgare*. 13. P. fronds feather-cleft: feathers oblong rather saw'd obtuse, root scaly. *common.*
- virginianum*. 14. P. fronds feather-cleft: feathers oblong rather saw'd obtuse, root polish'd. *virginian.*
- Otites*. 15. P. fronds feather-cleft: lobes lanced alternate obtuse distant.
- pectinatum*. 16. P. fronds feather'd lanced: lobes approximated sword-form parallel acute horizontal, root naked. *comb.*
- taxifolium*. 17. P. fronds feather'd: lobes approximated sword-form parallel acute ascending, root shaggy. *Yew-leaved.*
- struthionis*. 18. P. fronds feather'd: lobes approximated sword-form scollop'd horizontal. *Ostrich.*
- squamatum*. 19. P. fronds feather-cleft rugged: feathers lanced distant horizontal most intire. *scaly.*
- loriceum*. 20. P. fronds feather-cleft polish'd: feathers lanced distant horizontal scollop'd. *thong.*
- alatum*. 21. P. fronds feather-cleft polish'd: feathers oblong distant tooth'd. *winged.*
- cambricum*. 22. P. fronds feather-cleft: feathers lanced torn-feather-cleft saw'd. *Welch:*
- aureum*. 23. P. fronds feather-cleft polish'd: feathers oblong distant: the lowest ones spreading; the terminal one largest, fructifications in a series. *golden.*
- quercifolium*. 24. P. barren fronds sessile shorter obtuse sinuous; fructifying ones alternate-feather'd lanced. *Oak-leaved.*

* * * *Fronde three-leaved : peduncle with three leaflets.*

- trifoliatum.* 25. P. fronds three'd sinus-lobed : the intermediate one greater. *three-leaved.*
Pica. P. frond simple hearted three-lobed : lobes lanced awl'd ear'd at the base : the intermediate one elongate. S.

* * * * *Fronde feather'd.*

- Lonchitis.* 27. P. fronds feather'd : feathers moonletted fringe-saw'd declining, stipes lance-prickled.
exaltatum. 29. P. fronds feather'd : feathers sword-form intire gibbous at the inferiour base inwards ; at the superior one upwards. *exalted.*
auriculatum. 28. P. fronds feather'd : feathers sickle-lanced saw'd : lop'd at the base, ear'd upwards. *ear'd.*
unitum. 26. P. fronds feather'd : feathers sword-form saw'd : sawings half-egg'd egg-nerved. *united.*
triangulare. 30. P. fronds feather'd : feathers triangular tooth'd. *triangular.*
cordifolium. 33. P. fronds feather'd : feathers hearted obtuse most intire scollop'd. *heart-leaved.*
simile. 31. P. fronds feather'd : feathers lanced most intire distant : highest ones less, dots in a series. *similar.*
dissimile. 32. P. fronds feather'd : feathers lanced subpubescent confluent : inferiour ones distinct, dots scatter'd. *dissimilar.*
reticulatum. 34. P. fronds feather'd : feathers oblong most intire : anastomoses right-angled, dots right-angled, approximated. *netted.*
cicutarium. 35. P. fronds three'd : leaflets twice-feather'd jagg'd at the base obtusely gash-saw'd pointed ; the lowest ones more gibbous. *cicuta.*
fontanum. 39. P. fronds feather'd lanced : leaflets roundish sharply gash'd, stipe polish'd. *fountain.*
falcatum. P. fronds feather'd : feathers petioled heart-lanced sickled notch'd, fructifications most numerous scatter'd. S. *sickled.*

* * * * * *Fronde nearly twice-feather'd.*

- phlegopteris.* 36. P. fronds nearly twice-feather'd, lowest leaflets reflected : the pairs coadjoined with a quadrangular featherlet. *sun-fern.*
 37. P.

- retroflexum.* 37. P. fronds nearly twice-feather'd: lowest leaflets reflected: feathers torn. *retroflexed.*
- fragrans.* 38. P. fronds nearly twice-feather'd lanced: leaflets crowded; lobes obtuse saw'd, stipe chaffy. *fragrant.*
- parisiticum.* 40. P. fronds half-twice-feather'd lanced: lobelets rounded most intire striated. *parasite.*
- varium.* 41. P. fronds lateral twice-feather'd: lowest leaflet feather-cleft. *various.*
- cristatum.* 42. P. fronds nearly twice-feather'd: leaflets egg-oblong; feathers obtusifish saw'd with an acute top. *crested.*
- Filix mas.* 43. P. fronds twice-feather'd: feathers obtusifish notch-letted, stipe chaffy. *Male Fern.*
- F. femina.* 44. P. fronds twice-feather'd: featherlets lanced feather-cleft acute. *Female Fern.*
- Thelypteris.* P. frond twice-feather'd: feathers feather-cleft most intire cover'd every where with dust underneath. *Lady-Fern.*
- aculeatum.* 45. P. fronds twice-feather'd: feathers moonletted fringe-tooth'd, stipe lance-prickled. *prickly.*
- rhaeticum.* 46. P. fronds twice-feather'd: leaflets and feathers remote lanced: sawings pointed. *Rhaetia.*
- Noveboracense.* 47. P. fronds twice-feather'd: feathers oblong most intire parallel, stipe polish'd. *New-York.*
- pubescens.* 48. P. fronds twice-feather'd hairy: feathers lance-egg'd rather gash'd acute: the outmost confluent. *pubescent.*
- marginale.* 49. P. fronds twice-feather'd: feathers sinus-scollop'd at the base, fructifications marginal. *marginal.*
- bulbiferum.* 50. P. fronds twice-feather'd: leaflets remote; feathers oblong obtuse saw'd bulb-bearing underneath. *bulb-bearing.*
- fragile.* 51. P. fronds twice-feather'd: leaflets remote: feathers roundish gash'd. *fragile.*
- cafferorum.* P. fronds twice-feather'd: feathers egg'd gash-tooth-letted chaffy underneath reflected on the margin, fructifications marginal.
- fragrans.* P. fronds twice-feather'd: feathers egg'd sublobed obtuse naked underneath reflected on the margin, fructifications marginal. *fragrant.*
- regium.* 52. P. fronds twice-feather'd: leaflets subopposite: feathers alternate jagged. *royal.*

804. CLANDES. MARRIAGES. FERNS. *Polypodium.*

- leptophyllum.* 53. P. fronds twice-feather'd: barren ones shortest: feathers wedgeform-lobed. *slender-leaved.*
Barometz. 54. P. fronds twice-feather'd: feathers feather-cleft lanced saw'd, roots woolly.

* * * * * *Prickly with scatter'd thorns; or arborescent.*

- arboreum.* 55. P. fronds twice-feather'd saw'd, stem arborescent unarm'd. *arborescent.*
spinosum. 56. P. fronds twice-feather'd saw'd, stem arborescent prickly. *thorny.*
horridum. 57. P. fronds superdecompound, feathers half-arrow'd: connected at the base, saw'd at top, stem prickly. *horrid.*
pyramidale. 58. P. fronds superdecompound: feathers terminal lanced most long saw'd, stipe prickly below. *pyramidal.*
asperum. 59. P. fronds superdecompound: feathers obtuse saw'd at top; terminal ones pointed, stem arborescent prickly. *rough.*
muricatum. 60. P. fronds twice-feather'd: feathers egg'd toothlet-thorny. *murex'd.*
villosum. 61. P. fronds twice-feather'd shaggy: feathers oblong obtuse; terminal ones pointed. *villous.*
decussatum. 62. P. fronds twice-feather'd: feathers horizontal most intire obtuse: terminal ones lanced. *decussated.*

* * * * * *Fronde superdecompound.*

- Dryopteris.* 63. P. fronds superdecompound: leaflets threefold twice-feather'd. *Oak-fern.*
speluncae. 64. P. fronds superdecompound hairy: leaflets lanced feather'd: feathers opposite feather-cleft. *cave.*
Capeuse. P. frond superdecompound: leaves twice-feather'd: feathers one-flower'd at base. S. *Cape.*

1180. ADIANTHUM. *Fruetif.* in terminal spots,
under the folded margin of the
frond. *Maiden-hair.*

* *Frond simple.*

- reniforme.* 1. A. fronds kidney-form simple stiped many-flower'd.
philipense. 2. A. fronds kidney-form simple alternate petioled lobed
many-flower'd. *kidney-form.*
repens. A. fronds simple trapeze-form hearted feather-cleft :
divisions lanced saw'd at top flower-bearing :
the lowest ones gash'd. S. *philippine.*
creeping.

* * *Frond compound.*

- radiatum.* 3. A. frond finger'd : leaflets feather'd : feathers one-
flower'd. *radiate.*
pedatum. 4. A. fronds footed : leaflets feather'd : feathers gib-
bous before gash'd fructifying. *footed.*
lancea. 5. A. fronds feather'd : feathers opposite oblong : ter-
minal ones triangle-halberted. *lance.*
trilobum. 6. A. fronds compound : feathers three-parted obtuse
gash'd many-flower'd. *three-lobed.*
ferrulatum. 7. A. fronds feather'd : feathers obtuse inverse-egg'd
saw'd one-flower'd. *sawletted.*
caudatum. A. fronds feather'd sickled tail'd at top. *tail'd.*
hastatum. A. fronds feather'd : feathers halbert-threelobed
straight. S. *halberted.*

* * * *Frond decomposed.*

- flabellulatum.* 8. A. fronds decomposed : feathers alternate rhomb-
ed rounded many-flower'd, stipes pubescent
above. *fanlet.*
trifoliatum. 9. A. frond decomposed : leaflets alternate three'd
linear one-flower'd. *three-leaved.*
chusanum. 10. A. fronds decomposed : feathers alternate feather-
cleft : lobes unequal.
Capillus ve- 12. A. fronds decomposed : leaflets alternate : feathers
neris. wedge-form lobed pedicell'd. *Venus's hair.*
villosum. 13. A. fronds twice-feather'd : feathers rhombed fructi-
fying before and without, stipe villous. *villous.*

806. CLANDES. MARRIAGES. FERNS. *Adiantum*.

- pulverulentum*. 14. A. fronds twice-feather'd: feathers oval lop'd before one-flower'd, stipe shaggy. *dust.*
- crissatum*. 11. A. fronds twice-feather'd: lowest leaflets two-part-ed: feathers moon'd many-flower'd above. *crested.*
- furcatum*. A. frond twice-feather'd: feathers oftner two-part-ed linear, line of fructification single. *S. forked.*
- cafferorum*. A. fronds twice-feather'd: feathers egg'd gash-tooth-letted chaffy underneath. *S.*
- fragrans*. A. fronds twice-feather'd: feathers egg'd sublobed obtuse naked underneath. *S. fragrant.*
- truncatum*. A. fronds decomposed, leaflets feather'd: feathers alternate wedged rather sickled lop'd most intire. *lop'd.*

* * * * *Fronde superdecompound.*

- clavatum*. 15. A. fronds superdecompound: leaflets alternate; feathers wedge-form most intire alternate one-flower'd. *club'd.*
- aculeatum*. 16. A. fronds superdecompound: feathers handed many-flower'd, stipe prickly. *prickly.*
- trapeziforme*. 17. A. fronds superdecompound: leaflets alternate; feathers rhombed gash'd fructifying on both sides. *trapeze-form.*
- hexagonum*. 18. A. fronds superdecompound: feathers six-angled end-nick'd most intire one flower'd on both-sides. *six-corner'd.*
- pteroides*. 20. A. frond superdecompound: feathers egg'd intire notchletted, stipe polish'd. *Pteris-like.*
- æthiopicum*. 19. A. fronds superdecompound: feathers rounded intire notchletted, petioles capillary. *ethiopian.*

1181. TRICHOMANES. *Fructifications* solitary, terminated by a bristly style, inserted on the very Margin of the Frond.

* *Fronde simple.*

- membranaceum*. 1. T. fronds simple oblong torn. *membranous.*
- crispum*. 2. T. fronds feather-cleft lanced: feathers parallel rather saw'd. *curl'd.*
3. T.

polypodioides. 3. T. fronds lanced feather-cleft scollop'd, flowers solitary terminal. *Polypodium-like.*

* * *Fronde compound.*

hirsutum. 4. T. fronds feather'd : feathers alternate feather-cleft hairy. *shaggy.*

pyxidiferum. 5. T. fronds nearly twice-feather'd : feathers alternate crowded lobed linear. *box-bearing.*

tunbrigense. 6. T. fronds feather'd : feathers oblong two-fork'd decurrent tooth'd. *tunbridge.*

adiantoides. 7. T. fronds feather'd : feathers sword-form pointed gash-saw'd : sawings two-cleft. *Adiantum-like.*

* * * *Fronde superdecompound.*

scandens. 8. T. fronds superdecompound : leaflets alternate ; feathers alternate oblong saw'd. *climbing.*

chinense. 9. T. frond superdecompound : leaves and feathers alternate lanced : feathers with jaggs wedge-form. *china.*

canariense. 10. T. fronds superdecompound three-parted : leaflets alternate : feathers alternate feather-cleft. *canary.*

capillaceum. 11. T. fronds superdecompound : feathers thread-form linear one-flower'd. *capillary.*

1182. MARSILEA. *Male* Flowers above the Frond.

Female Fructification at the root, roundish four-capsuled.

natans. 1. M. leaves opposite simple. *swimming.*
quadrifolia. 2. M. leaves fourfold most intire. *four-leaved.*
minuta. M. leaves fourfold toothletted. *minute.*

1183. PILURARIA. *Male* Flowers at the side of the Frond.

Female Fructification at the root, globular, four-cell'd. *Pepper-grass.*

globulifera. I. PILULARIA. *globule-bearing.*

1184. ISOETES. *Anther* of the *Male* flower within the base of the frond. *Capsule* of the *Female* flower two-cell'd within the base of the frond.

Coromandelina. I. leaves thread-form erect smooth. S. *Coro-*

lacustris. I. leaves awl'd half-columnar recurved. S. *mandel. lake.*

1227. ZAMIA. MALE. *Strobile* with scales cover'd underneath with dust.

FEM. *Strobile* with scales on each margin with *Drupe* solitary. S.

pumila. Z. fronds feather'd : leaflets linear obtuse. S.

Cycadis. Z. fronds feather'd : leaflets lanced acute-thorny. *dwarf.*
S.

M O S S E S.

(Musci.)

1185. LYCOPODIUM. *Anther* two-valved sessile.
Calyptre none. *Wolf's claw*.

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|------------------------|---|-------------------------|
| <i>linifolium.</i> | 1. L. leaves alternate remote lanced, flowers axillary. | |
| <i>nudum.</i> | 2. L. leaves nearly none, spikes two-fork'd: flowers distant. | <i>Flax-leaved.</i> |
| <i>Phlegmaria.</i> | 3. L. leaves verticil-fourfold, spikes terminal two-fork'd. | <i>naked.</i> |
| <i>clavatum.</i> | 4. L. leaves scatter'd thready, spikes columnar peduncled double. | <i>club'd.</i> |
| <i>rupestre.</i> | 5. L. leaves scatter'd thready, spikes terminal four-corner'd. | <i>rock.</i> |
| <i>Selaginoides.</i> | 6. L. leaves scatter'd fringed lanced, spikes solitary terminal leafy. | <i>Selago-like.</i> |
| <i>alopecuroides.</i> | 7. L. leaves scatter'd fringed linear, spikes terminal leafy. | <i>Alopecurus-like.</i> |
| <i>inundatum.</i> | 8. L. leaves scatter'd most intire, spikes terminal leafy. | <i>flooded.</i> |
| <i>Selago.</i> | 9. L. leaves scatter'd eight-faced, stem two-fork'd erect level-top'd, flowers scatter'd. | |
| <i>obscurum.</i> | 10. L. leaves scatter'd decurrent, sarments creeping, shoots erect two-fork'd. | <i>obscure.</i> |
| <i>annotinum.</i> | 11. L. leaves scatter'd five-faced rather saw'd, stem yearly-jointed, spikes terminal smooth erect. | <i>yearly.</i> |
| <i>cernuum.</i> | 12. L. leaves scatter'd curved, stem most branchy, spikes nodding. | <i>bowing.</i> |
| <i>Bryopteris.</i> | 13. L. leaves scatter'd imbricated: branchlets convolute. | <i>mooss-fern.</i> |
| <i>sanguinolentum.</i> | 14. L. leaves four-faced imbricated, stems creeping two-fork'd; spikes sessile four-corner'd. | <i>bloody.</i> |
| <i>alpinum.</i> | 15. L. leaves four-ways imbricated acute, stems erect two-cleft, spikes sessile columnar. | <i>alpine.</i> |
| <i>complanatum.</i> | 16. L. leaves two-faced conjoined: the outside ones solitary, spikes double peduncled. | <i>smooth.</i> |
| | | 17. L. |

810. CLANDES. MARRIAGES. MOSSES. *Lycopodium*.

- carolinianum*. 17. L. leaves two-faced spreading: the outside ones solitary, scapes most long one-spiked. *Carolina*.
- helveticum*. 18. L. leaves two-faced spreading: the outside ones two-rank'd, spikes double peduncled. *Switzerland*.
- denticulatum*. 24. L. leaves two-faced: the outside ones imbricated, shoots creeping, flowers scatter'd. *toothletted*.
- apodum*. 19. L. leaves two-faced alternate less, stem creeping, spikes sessile. *footless*.
- flabellatum*. 20. L. leaves two-faced: the outside ones two-rank'd, stem erect columnar. *fan*.
- canaliculatum*. 21. L. leaves two-faced: the outside ones two-rank'd stem erect channel'd. *channel'd*.
- plumosum*. 22. L. leaves two-faced expanding: the outside ones half-egg'd fringed, shoots erectish, spikes terminal four-corner'd sessile. *feathery*.
- ornithopodioides*. 23. L. leaves two-faced, expanding: the outside ones two-rank'd, shoots creeping, spikes sessile. *ornithopus-like*.
- circinale*. 25. L. leaves two-faced: the outside ones double, branchlets convolute. *spiral*.
- Guidioides*. L. leaves threefold imbricated lanced obtuse most smooth, stem two-fork'd, branches elongate flowers axillary. S. *Guidia-like*.
- verticillatum*. L. leaves four-faced approximated awny, branches two-fork'd, flowers axillary verticil'd. S. *verticil'd*.

1186. PORELLA. *Anther* many-cell'd, holely, not lidded. *Calyptræ* none.

pinnata. 1. PORELLA. *feather'd*.

1187. SPHAGNUM. *Anther* lidded: mouth polish'd. *Calyptræ* none. *Bog-moss*.

- palustre*. 1. S. branches deflected. *marsh*
- alpinum*. 2. S. rather branchy erect. *alpine*
- arboreum*. 3. S. branchy creeping, anthers one-rank'd lateral. *arborescent*

1189. PHAS-

1189. PHASCUM. *Anther* lidded: mouth fringed.
Calyptræ minute.

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| <i>pedunculatum.</i> | P. stemless, anther peduncled. | <i>peduncled.</i> |
| <i>acaulon.</i> | 1. P. stemless, anther sessile, leaves egg'd acute. | <i>stemless.</i> |
| <i>subulatum.</i> | 2. P. stemless, anther sessile, leaves awl-bristled spreading. | <i>lefs.</i> |
| <i>caulescens.</i> | 3. P. stem-growing erect, leaves lanced alternate. | <i>awl'd.</i> |
| <i>repens.</i> | 4. P. stem-growing creeping, anthers lateral sessile. | <i>stem-growing.</i> |
| | | <i>creeping.</i> |

1190. FONTINALIS. *Anther* lidded. *Calyptræ* sessile, included in the perichæ-tium. *Fountain.*

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| <i>antipyretica.</i> | 1. F. leaves keel-folded three-faced acute, anthers lateral. | <i>antipyretic.</i> |
| <i>minor.</i> | 2. F. leaves egg'd concave three-faced acute every where double, anthers terminal. | <i>lefs.</i> |
| <i>squamosa.</i> | 3. F. leaves imbricated awl-lanced, anthers lateral. | <i>scaly.</i> |
| <i>pennata.</i> | 4. F. leaves two-faced expanding, anthers lateral. | <i>wing'd.</i> |

1188. BUXBAUMIA. *Anther* lidded, membranous on one side. *Calyptræ* falling; a bag of dust within the lid.

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| <i>aphylla.</i> | BUXBAUMIA. | <i>leafless.</i> |
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The stemless Phascum, as *D. Schmiedelius* observes, and the awl'd one, as *D. Schreberus* observes, bear a calyptræ; and therefore may be commodiously associated with the Bryums.

1191. SPLACHNUM. *Anther* sitting on the greatest colour'd Apophysis. *Calyptre* falling. The Female *Star* in a distinct individual.

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| <i>rubrum.</i> | 1. S. umbrella orbicular hemispheric. | <i>red.</i> |
| <i>luteum.</i> | 2. S. umbrella orbicular flat. | <i>yellow.</i> |
| <i>ampullaceum.</i> | 3. S. umbrella bottled inverfe-egg'd. | <i>bottle.</i> |
| <i>vasculosum.</i> | 4. S. umbrella bottled subglobular. | <i>vascular.</i> |

1192. POLYTRICHUM. *Anther* lidded, sitting on the smallest Apophysis. *Calyptre* villous. The Female *Star* in a distinct individual. *Many-hair.*

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| <i>commune.</i> | 1. P. stem simple, anther parallelipped. | <i>common.</i> |
| <i>alpina.</i> | 2. P. stem most branchy, peduncles terminal. | <i>alpine.</i> |
| <i>urnigerum.</i> | 3. P. stem most branchy, peduncles axillary. | <i>urn-bearing.</i> |
| <i>Magellanicum.</i> | P. stem simple, leaves awl'd channel'd gristle-faw'd. | <i>Magellan.</i> |
| | S. | |
| <i>convolutum.</i> | P. stem leafy, leaves involute awl'd smooth, peduncle thread-form short, calyptre villous. | <i>S. convolute.</i> |

1593. MNIUM. *Anther* lidded. *Calyptre* polish'd. *Fern.* head naked, dusty, remote.

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| <i>pellucidum.</i> | 1. M. stem simple, leaves egg'd. | <i>pellucid.</i> |
| <i>androgynum.</i> | 4. M. stem branchy; androgynous. | <i>androgynous.</i> |
| <i>ramosum.</i> | M. stem branchy erect, female peduncles axillary. | <i>branchy.</i> |
| <i>fontanum.</i> | 2. M. stem simple inflected at the joints. | <i>fountain.</i> |
| <i>palustre.</i> | 3. M. stem two-fork'd, leaves awl'd. | <i>marsh.</i> |
| <i>hygrometricum.</i> | 5. M. stemless, anther nodding, calyptre reflected four-corner'd. | <i>hygrometer.</i> |
| <i>purpureum.</i> | 6. M. stem two-fork'd : axils peduncle-bearing, anther erect, leaves keel'd. | <i>purple.</i> |
| | | 7. M. |

- setaceum*. 7. M. anthers erect, lids thread-form the length of the anthers. *bristly.*
- cirratum*. 8. M. leaves revolute by dryness. *curling.*
- annotinum*. 9. M. leaves egg'd pointed pellucid, peduncles subradical, anthers nodding. *annual.*
- hornum*. 10. M. anthers pendulous, peduncle curved, shoot simple, leaves rugged on the margin. *year.*
- capillare*. 19. M. anthers pendulous, leaves egg'd bristle-bearing keel'd; peduncles most long. *capillary.*
- crudum*. 11. M. anthers pendulous, calyptré recurved, leaves pellucid. *crude.*
- pyriforme*. 12. M. anthers pendulous top-shape, stipe thread-form female flowers bristle-bearing. *pear-form.*
- Polytrichoides*. 13. M. calyptré villous. *Polytrichum-like.*
- serpillifolium*. 14. M. peduncles aggregate, leaves expanding pellucid. *Thyme-leaved.*
- punctatum*. A. M. peduncles aggregate, leaves inverse-egg'd most intire obtuse dotted. *dotted.*
- cuspidatum*. B. M. peduncles aggregate, leaves alternate acute saw'd. *piked.*
- proliferum*. G. M. peduncles aggregate, leaves rose-collected lanced acute. *proliferous.*
- undulatum*. D. M. peduncles aggregate, leaves oblong waved. *waved.*
- triquetrum*. 15. M. leaves three-faced awl-lanced keel'd. *three-sided.*
- trichomanis*. 16. M. leaves two-rank'd most intire. *hairy.*
- fissum*. 17. M. leaves two-rank'd two-cleft. *slit.*
- Jungermannia*. 18. M. leaves two-rank'd, feathers earletted underneath. *Jungermann.*

1594. BRYUM. *Anther* lidded. *Calyptré* polish'd. *Filament* arising from the terminal tubercle.

* *Anther sessile.*

- apocarpum*. 1. B. anthers sessile, calyptré very small. *fruitful.*
- striatum*. 2. B. anthers sessile scatter'd, calyptrés striated or hairy upwards. *striated.*

* * *Anthers peduncled erect.*

- pomiforme*. 3. B. anthers erect spherical. *apple-form.*
- pyriforme*. 4. B. anthers erect inverse-egg'd, calyptré awl'd, shoots stemless, leaves egg'd awnless. *pear-form.*

814. CLANDES. MARRIAGES. MOSSES. *Bryum*.

- extinctorium*. 5. B. anther erect oblong less, calyptres loose equal.
extinguisher.
- subulatum*. 6. B. anthers erect awl'd; shoots stemless. *awl'd.*
- rurale*. 7. B. anthers erectish, leaves hair-bearing recurved.
rural.
- murale*. 8. B. anthers erect, leaves hair-bearing straightish,
shoots simple turfy. *wall.*
- scoparium*. 9. B. anthers erectish, peduncles aggregate, leaves one-
rank'd recurved, stem declining. *beesom.*
- undulatum*. 10. B. anthers erectish, peduncles subfolitary, leaves
lanced keel'd waved expanding saw'd. *waving.*
- glaucum*. 11. B. anthers erectish: lid bow'd, leaves erect imbri-
cated, shoots branchy. *sea-green.*
- albidum*. 12. B. anthers erect, leaves tongued obtusifish spreading.
white.
- pellucidum*. 13. B. anthers erectish, leaves recurved acute, stem
shaggy. *pellucid.*
- imberbe*. B. anthers erect dilated in the mouth, leaves keel'd.
beardless.
- unguiculatum*. B. anthers erect oblong, peduncles axillary, shoots
thicker at the summit. *claw'd.*
- aciculare*. 14. B. anthers erect: lid needle-form, leaves erect, ra-
ther one-rank'd. *needle.*
- flexuosum*. 15. B. anthers erect, leaves bristly, peduncles winding.
winding.
- heteromal-
lum*. 16. B. anthers erect, leaves bristly one-rank'd. *part-
villous.*
- tortuosum*. 17. B. anthers erect, leaves bristly beardless: retorted
by dryness. *tortuous.*
- truncatulum*. 18. B. anthers erect roundish, lid dagger'd. *lop'd.*
- viridulum*. 19. B. anthers erect egg'd, leaves lanced pointed imbri-
cate-expanded. *greenish.*
- palustre*. B. anthers erect roundish axillary, leaves awl'd dif-
tant. *marsh.*
- paludosum*. 20. B. stemless, leaves bristly, anthers most obtuse spread-
ing. *lake.*
- hypnoides*. 21. B. anthers erect, shoots straightish, lateral branches
short fertile. *Hypnum-like.*
- verticillatum*. 22. B. anthers erect, peduncles crowded together by dry-
ness, leaves hair-bearing, shoots level-top'd.
verticil'd.
- caesium*. 23. B. anthers erect roundish axillary, leaves awl'd dif-
tant. *summer.*
- Celsii*. 24. B. anthers erectish, peduncles most long, leaves
bristly, shoots stemless. *Of Celsus.*
25. B.

- trichodes.* 25. B. anthers erectish : mouth fringed without a ring, peduncle most long. *hairy.*
squarrosum. 26. B. anthers oblique, leaves five-faced imbricated recurved, stem iron-downy. *ragged.*

* * * *Anthers nodding.*

- argenteum.* 27. B. anthers pendulous, shoots cylindric imbricated polished. *silver.*
pubinatum. 28. B. anthers roundish, peduncles reflected, leaves hair-bearing. *cushion.*
cæspiticum. 29. B. anthers pendulous, leaves lanced point-bristled, peduncles most long. *turf.*
carneum. 30. B. anthers pendulous subglobular, leaves acute alternate. *fleshy.*
simplex. 31. B. rather nodding oblong, leaves awl'd, shoot most simple; middle one peduncle-bearing. *simple.*
alpinum. B. anther pendulous oblong, leaves egg'd pointed keel'd, shoots branchy, axils peduncle-bearing. *alpine.*

1595. HYPNUM. *Anther* lidded. *Calyptra* polished. *Filament* lateral arising from the perichæcium.

* *Fronde* feather'd.

- spiniforme.* 1. H. frond most simple : leaflets expanding awl'd peduncles radical. *thorn-form.*
taxifolium. 2. H. frond most simple feather'd lanced peduncle-bearing at the base. *Yew-leaved.*
denticulatum. 3. H. frond feather'd simple : feathers double peduncle-bearing at the base. *toothletted.*
bryoides. 4. H. frond most simple feather'd lanced peduncle-bearing at top. *Bryum-like.*
acacioides. 5. H. frond feather'd branchy peduncle-bearing at top. *acacia-like.*
adiantoides. 6. H. frond feather'd branchy erect peduncle-bearing in the middle. *adiantum-like.*
complanatum. 7. H. frond feather'd branchy : leaflets imbricated acute complicated compress'd. *flattened.*
ornithopodioides. 8. H. frond feather'd branchy, leaves most expanding egg'd keel'd dagger'd. *ornithopodium-like.*
sylvaticum H. frond feather'd branchy procumbent leaflets acute, peduncle-bearing in the middle. *wood.*

* * *Shoots*

816. CLANDES. MARRIAGES. MUSCI. Hypnum.

* * Shoots straggling.

- lucens.* 9. H. shoots branchy, fronds rather feather'd : leaflets dotted. *shining.*
- rugosum.* 43. H. shoots straggling erectish : leaves one-rank'd recurved wrinkled at the base. *wrinkled.*
- undulatum.* 10. H. shoots branchy, fronds rather feather'd : leaves waved complicated. *waved.*
- crispum.* 11. H. shoots branchy, fronds rather feather'd : leaves waved flat. *curl'd.*
- triquetrum.* 12. H. branches straggling recurved, leaves egg'd recurved spreading. *three-sided.*
- rutabulum.* 13. H. branches straggling rather creeping, leaves egg'd dagger'd imbricated. *rue.*

* * * Shoots feather'd.

- flicinum.* 14. H. shoots feather'd : branchlets distant, leaves imbricated incurved acute one-rank'd. *fern.*
- proliferum.* 15. H. shoots proliferous flat-feather'd, peduncles aggregate, (the larger ones shining.) *proliferous.*
- delicatulum.* 16. H. shoots subproliferous flat-feather'd piked, peduncles aggregate. *delicate.*
- parietinum.* 17. H. shoots flat-feather'd continued, peduncles aggregate. *Wall.*
- prælongum.* 18. H. shoots rather feather'd decumbent : branchlets remote, leaves egg'd, anthers bowing. *very long.*
- Crista castrensis.* 19. H. shoots feather'd : branches approximated : tops recurved. *Camp-crest.*
- abietinum.* 20. H. shoots feather'd columnarish remote unequal. *fir.*
- plumosum.* 21. H. shoots feathery creeping, branches crowded, leaves imbricated awl'd, anthers erect. *feathery.*

* * * * Leaves reflected.

- cupressiforme.* 22. H. shoots rather feather'd, leaves one-rank'd recurved awl'd at top. *Cypress-form.*
- aduncum.* 23. H. shoots sub-erect-branchyish, leaves one-rank'd recurved awl'd, branches recurved. *hook'd.*
- compressus.* H. shoots feather'd compress'd, leaves pointed recurved, anthers erectish egg'd. *compress'd.*
- scorpioides.* 24. H. branches straggling procumbent recurved, leaves one-rank'd pointed.
- viticulosum.* 25. H. shoots creeping, branches straggling columnar, leaves spreading pointed. *vinelet.*
26. H.

- squarrosulum.* 26. H. branches straggling, leaves lanced keel-folded five-ways recurved. *ragged.*
- palustre.* 27. H. shoots creeping, branches crowded erect, leaves egg'd one-rank'd, anthers erectish. *marsh.*
- lanceum.* 28. H. shoots creeping, branches straggling erect, leaves one-rank'd, anthers roundish. *thong.*
- * * * * * *Shoots tree-like or fascicled.*
- dendroides.* 29. H. shoot erect, branches fascicled terminal simplish, anthers erect. *tree-like.*
- alopecurum.* 30. H. shoot erect, branches fascicled terminal subdivided, anthers rather nodding. *fox-tail.*
- * * * * * *Shoots columnarish.*
- curtipendulum.* 31. H. shoots straggling columnar, leaves egg'd acute spreading, anthers pendulous. *short-hanging.*
- purum.* 32. H. shoots feather-scatter'd awl'd, leaves egg'd obtuse converging. *pure.*
- filifolium.* H. shoots straggling most branchy : branches thread-form, anther oblique. *thread-form.*
- illecebrum.* 33. H. shoots and branches straggling columnar erectish obtuse. *alluring.*
- riparicum.* 34. H. shoots columnar branchy, leaves acute spreading distant. *bank.*
- cuspidatum.* 35. H. shoots straggling, top pointed with convolute leaves. *piked.*
- * * * * * *Shoots crowded.*
- sericeum.* 36. H. shoot creeping, branches crowded erect, leaves awl'd, anthers erect. *silky.*
- velutinum.* 37. H. shoot creeping, branches crowded erect, leaves awl'd, anthers rather nodding. *veil.*
- serpens.* 38. H. shoots creeping, branches thread-form, leaves obliterated. *creeping.*
- sciuroides.* 39. H. shoots erect branchy incurved. *Squirrel.*
- gracile.* H. shoots creeping, branches fascicled columnar, anthers erect egg'd. *slender.*
- myosuroides.* 40. H. shoots most branchy : branches awl'd attenuated both ways columnar. *mousetail-like.*
- clavellatum.* 41. H. creeping, branches erect most crowded, anthers incurved : lids inflected. *clubed.*
- julaceum.* 42. H. branches erect columnar imbricated obtuse, perichætiums almost the length of the peduncles. *Catkin.*

F L A G S.

(*Algæ.*)

1196. JUNGERMANNIA. MALE peduncled,
naked. *Anther* 4-valved.
FEM. sessile, naked, seeds roundish.

* *Fronds feather'd one-rank'd.*

- asplenioides.* 1. J. fronds simply feather'd: leaves feather'd egg'd
rather fring'd. *asplenium-like.*
- viticulosum.* 2. J. fronds simply feather'd: leaves flat naked linear.
vine.
- polyanthos.* 3. J. fronds simply feather'd: leaves most intire imbricated
convex. *many-flower'd.*
- lanceolatum.* 4. J. fronds simply feather'd lanced flower-bearing at
top, leaves most intire. *lanced.*
- bidentata.* 5. J. fronds simply feather'd flower-bearing at top,
leaves two-tooth'd. *two-tooth'd.*
- bicuspidata.* 6. J. fronds simply feather'd flower-bearing in the mid-
dle, leaves two-tooth'd. *two-piked.*
- quinquedentata.* 7. J. fronds feather'd branchy flower-bearing at top,
leaflets five-tooth'd. *five-tooth'd.*

* * *Fronds feather'd: featherlets jointed cover'd above.*

- undulata.* 8. J. fronds twice-feather'd above flower-bearing at
top, leaves roundish most intire waved. *waved.*
- nemorea.* 9. J. fronds twice-feather'd above flower-bearing at
top, leaves fringed. *forest.*
- resupinata.* 10. J. fronds twice-feather'd above flower-bearing be-
neath; leaves notchletted imbricated round.
resupine.
- albicans.* 11. J. fronds twice-feather'd above flower-bearing at
top, leaves linear recurved. *whitish.*
- trilobata.* 12. J. fronds twice-feather'd underneath, leaves square
obscurely three-lobed. *thrice-lobed.*
- reptans.* 13. J. fronds twice-feather'd underneath creeping at top,
leaves four-tooth'd. *creeping.*
- multiflora.* J. frond creeping branchy with leaflets alternate dou-
ble bristly equal. *many-flower'd.*

* * * *Fronds*

* * * *Fronds imbricated.*

- complanata*. 14. *J.* shoots creeping : leaves ear'd below double-imbricated, branches equal. *flat.*
- dilatata*. 15. *J.* shoots creeping, leaves ear'd below double-imbricated, branches broader at top. *dilated.*
- tamarisci*. 16. *J.* leaves imbricated in a double series : the superiour ones roundish convex obtuse fourtimes larger. *tamarisk.*
- platyphylla*. 17. *J.* shoots procumbent imbricated underneath, leaves hearted acute. *broad-leaved.*
- ciliaris*. 18. *J.* shoots creeping, leaves double imbricated : ear'd below fringed. *fringed.*
- varia*. 19. *J.* shoots erectish two-ways imbricated leaves two-parted. *various.*
- Sertularioides* *J.* shoots creeping : branchlets everywhere flower-bearing, leaves capillary equal jointed. *S. Sertularia-like.*

* * * * *Shoots imbricated on all sides : leaflets scatter'd.*

- julacea*. 20. *J.* shoots columnar, leaves imbricated on all sides, flowers peduncled. *catkin.*
- rupestris*. 21. *J.* shoots columnar, leaves awl'd one-rank'd. *rock.*
- trichophylla*. 22. *J.* shoots columnar, leaves capillary equal. *hair-leaved.*
- alpina*. 23. *J.* shoots columnar, leaves egg'd expanding, calyxes imbricated. *alpine.*

* * * * * *Stemless with fronds simple.*

- epiphylla*. 24. *J.* stemless, leaflet growing on the frond. *over-leafed.*
- pinguis*. 25. *J.* stemless, frond oblong sinuous. *fat.*
- multifida*. 26. *J.* stemless, fronds twice-feather-cleft. *many-cleft.*
- furcata*. 27. *J.* stemless, frond linear branchy : extremities forked obtusish. *forked.*
- pufilla*. 28. *J.* stemless, fronds rather feather-cleft : lobes imbricated, perichœtium folded. *feeble.*

1197. TARGIONIA. *Calyx* two-valved, including a globe.

- hypophylla*. 1. TARGIONIA. *under-leafed.*

1198. MARCHANTIA. MALE *Calyx* targetted, cover'd underneath with the 1-petal'd corols. *Anthers* many-cleft.
 FEM. *Calyx* sessile, bell'd, many-seeded.

- | | | |
|-----------------------|--|---------------------|
| <i>polymorpha.</i> | 1. M. cal. common ten-cleft. | <i>many-form.</i> |
| <i>chenopoda.</i> | 2. M. cal. common halved handed four-cleft. | <i>goose-foot.</i> |
| <i>cruciata.</i> | 3. M. cal. common four-parted: divisions tubular. | <i>cross.</i> |
| <i>tenella.</i> | 4. M. cal. common hemispheric pointletted: margin radiated in folds. | <i>tender.</i> |
| <i>hemisphaerica.</i> | 5. M. cal. common five-cleft hemispheric, perichetium none. | <i>hemispheric.</i> |
| <i>conica.</i> | 6. M. cal. common five-cell'd nearly egg'd. | <i>conic.</i> |
| <i>androgyna.</i> | 7. M. cal. common intire hemispheric. | <i>androgynous.</i> |

1199. BLASIA. MALE? *Cal.* cylindric replete with grains.

FEM.? *Cal.* naked. Fruit roundish immersed in the leaves, many-seeded.

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| <i>pusilla.</i> | 1. BLASIA. | <i>feeble.</i> |
|-----------------|------------|----------------|

1200. RICCIA. *Cal.* o, except a bladdery cavity within the substance of the leaf. *Cor.* o. *Anther* cylindric, sessile, placed upon the germ. *Pist.* *Germ* top-shape. *Style* thread-form, perforating the anther. *Pericarp.* spherical, crowned with a wither'd anther. *Seeds* hemispheric, pedicel'd.

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|---------------------|--|---------------------|
| <i>crystallina.</i> | 1. R. fronds papillous on the superficies. | <i>crystalline.</i> |
| <i>minima.</i> | 2. R. fronds smooth two-parted acute. | <i>leaf.</i> |
| | | 3. R. |

- glauca.* 3. R. fronds smooth channel'd two-lobed obtuse. *sea-green.*
fruitans. 4. R. fronds two-fork'd linear-thread-form, *floating.*
natans. 5. R. fronds inverse-heart fringed. *swimming.*

1201. ANTHOCEROS. MALE. Cal. sessile, cylindrical, intire. Anther awl'd, most long, 2-valved.

FEM. Cal. 6-parted. Seeds 3.

- punctatus.* 1. A. fronds undivided sinuous dotted. *dott'd.*
lævis. 2. A. fronds undivided sinuous polish'd. *polished.*
multifidus. 3. A. fronds twice-feathercleft linear. *many-cleft.*

1202. LICHEN. MALE. Receptacle roundish, flattish, shining.

FEM. Dust sprinkled on the leaves. *Liver-wort.*

A. * *Leprous tubercled.*

- scriptus.* 1. L. leprous whitish, linelets black branchy character-form. *written.*
geographicus. 2. L. leprous yellowish, linelets black resembling a map. *geographic.*
atrovirens. 7. L. leprous green with the margin and tubercles black. *black-green.*
byssoides. 90. L. leper-mealy, with targets stiped subglobular. *Byssus-like.*
lacteus. 86. L. leprous white, tubercles same-colour'd hemispheric. *milk.*
rupicola. 85. L. leprous whitish, tubercles pale white-edged. *rock-growing.*
pertusus. 82. L. leprous : warts subtessellated polished perforated with one or two cylindric pores. *perforated.*
rugosus. 3. L. leprous whitening, linelets simple and the dots black crowded. *wrinkled.*
sanguinarius. 4. L. leprous ash-green ; tubercles black. *bloody.*
fusco-ater. 5. L. leprous brown, tubercles black. *brown-black.*
vernalis. L. leprous white, tubercles roundish iron-colour'd. *vernal.*

822. CLANDES. MARRIAGES. FLAGS. Lichen.

- calcareus.* 6. L. leprous white, tubercles black. *calcareous.*
cinereus. 87. L. leprous with tubercles black margin'd with white. *ash-colour'd.*
atroalbus. 8. L. leprous black, tubercles mixed with white and black. *black-white.*
ventosus. 9. L. leprous yellow, tubercles red. *wind.*
fagineus. 10. L. leprous white, tubercles white mealy. *beech.*
carpineus. 11. L. leprous ash-colour'd, tubercles white wrinkled. *hornbeam.*
corallinus. 83. L. leprous branchy columnar fascicled level-top'd most crowded white. *coralline.*
ericetorum. 12. L. leprous white, tubercles flesh-colour'd. *beath.*
niger. L. leprous black, tubercles roundish same-colour'd. *black.*
Bæomyces. L. leprous white, tubercles stiped fleshy. *S. bull-fungus.*
Icmadophila. L. leprous ash-colour'd, tubercles sessile flat fleshy. *S. moist-leaved.*
- B. * *Leprous shieldletted.*
- candelarius.* 13. L. crustaceous yellow shieldlets yellow. *candle.*
gelidus. 91. L. crustaceous white, targets tubercled wrinkled testaceous. *gelid.*
tartareus. 14. L. crustaceous white-green, shieldlets yellow: margin white. *tartar.*
pallefcens. 15. L. crustaceous white, shieldlets pale. *pale.*
subfuscus. 16. L. crustaceous white, shieldlets black: the younger ones pitcher'd hollow. *brownish.*
Parellus. 89. L. crustaceous white, targets concave obtuse pale.
upsaliensis. 17. L. crustaceous, leaflets awl'd striated. *upsal.*
- C. * *Imbricated.*
- centrifugus.* 18. L. imbricated, leaflets obscurely many-cleft polish'd white centrifugal, shieldlets red-brown. *centrifugal.*
saxatilis. 19. L. imbricated, leaflets sinuous rugged pitted, shieldlets chestnut-colour. *rock.*
omphalodes. 20. L. imbricated, leaflets many-cleft smooth obtuse hoary, dots straggling eminent. *navel.*
olivaceus. 21. L. imbricated, leaflets lobed shining livid. *olive.*
fablunensis. 22. L. imbricated: leaflets linear two-fork'd flattish acute black, shieldlets black.
fygius. 23. L. imbricated, leaflets handed recurved black. *fygian.*
L.

- crispus.* L. imbricated; leaves lobed lop'd notch'd black-green, shieldlets same-colour'd. *curl'd.*
- cristatus.* 24. L. imbricated tooth-fringed, shieldlets larger than the leaf. *crested.*
- parietinus.* 25. L. imbricated, leaflets curl'd yellow, targets same-colour'd yellow. *wall.*
- physodes.* 26. L. imbricated; divisions obtuse subinflated. *inflated.*
- stellaris.* 27. L. imbricated: leaflets oblong jagg'd narrow ash-colour'd, shieldlets blackish. *star.*
- granulatus.* L. imbricated, leaflets roundish notch'd ruggedish black-green, shieldlets yellow, disk depress'd. *S. granulated.*

D. * Leafy.

- chrysophthalmus.* L. leafy subimbricated linear torn fringed, targets elevated radiate yellow. *Gold-eye.*
- Burgesii.* L. leafy subimbricated curl'd, targets elevated murex-curl'd with bottom depress'd flat. *of Burges.*
- ciliaris.* 28. L. leafy erectish: divisions linear fringed, shieldlets peduncled notch'd. *fringed.*
- islandicus.* 29. L. leafy ascending jagg'd: margins elevated fringed. *ice-land.*
- nivalis.* 30. L. leafy ascending jagg'd curl'd smooth pitted white with margin elevated. *snow.*
- pulmonarins.* 31. L. leafy jagg'd obtuse smooth: pitted above; downy underneath. *pulmonary.*
- furfuraceus.* 32. L. leafy decumbent branny: divisions acute; pitted underneath black. *bran.*
- ampullaceus.* 33. L. leafy flattish lobed notch'd, targets globular inflated. *bottle.*
- leucomelos.* 34. L. leafy linear branchy rather fringed with black, targets subpeduncled radiate. *black and white.*
- farinaceus.* 35. L. leafy erect compress'd branchy: warts marginal mealy. *mealy.*
- calicaris.* 36. L. leafy erect linear branchy pitted convex dagger'd. *cup.*
- fraxineus.* 37. L. leafy straight oblong lanced rather jagg'd pitted smooth, shieldlets subpeduncled. *ash.*
- fuciformis.* 38. L. leafy straightish polish'd rather downy branchy: divisions lanced. *Fucus-form.*
- prunastri.* 39. L. leafy erectish pitted: downy underneath white. *of the prunaster.*
- juniperinus.* 40. L. leafy jagg'd curl'd yellow, targets livid. *juniper.*

- caperatus*. 41. L. palely green wrinkled waved on the margin. *wrinkled.*
- crocatus*. L. leafy with margin dust-yellow. *saffron.*
- glaucus*. 42. L. leafy depress'd lobed smooth with margin curl'd
unealy. *sea-green.*
- fascicularis*. 93. L. leafy gelatinous, tubercles top-shape fascicled larger
than the frond. *fascicled.*
- Burgesii*. L. rather leafy curl'd, targets elevated murex-curl'd
without: bottom depress'd flat. *of Burges.*
- Tremeloides*. L. leafy lead-colour'd, wrinkle-curl'd smooth, tar-
gets scatter'd red. S. *tremella-like.*
- ornatus*. L. leafy erectish pellucid curl'd, shieldlets marginal
flat-depress'd red curl'd on the margin. S. *adorned.*
- nigrescens*. L. leafy gelatinous roundish lobed wrinkled black-
green, shieldlets crowded red. S. *black.*
- E. * *Leathery.*
- aquaticus*. 43. L. leathery creeping lobed obtuse, targets hemisph-
eric largest. *aquatic.*
- resupinatus*. 44. L. leathery creeping lobed: targets marginal behind. *resupine.*
- venosus*. 45. L. leathery creeping egg'd flat: veined underneath
villous, targets marginal horizontal. *veined.*
- aphtosus*. 46. L. leathery creeping lobed obtuse flat, warts scatter'd,
target marginal ascending.
- arcticus*. 47. L. leathery creeping lobed obtuse flat polish'd: vein-
less underneath villous. *arctic.*
- caninus*. 48. L. leathery creeping lobed obtuse flat vein'd un-
derneath villous, target marginal ascending. *dog.*
- sylvaticus*. L. leathery creeping jagged pitted, targets marginal
ascending. *wood.*
- horizontalis*. 88. L. leathery creeping flat veinless underneath, targets
marginal horizontal. *horizontal.*
- perlatus*. L. leathery creeping lobed smooth black-underneath,
shieldlets peduncled intire.
- saccatus*. 49. L. leafy creeping roundish: targets depress'd bag'd
underneath. *bag.*
- argaeus*. 50. L. leathery creeping roundish flat: vein'd underneath
yellow villous, targets scatter'd conjoin'd. *saf-
fron.*

F. * *Navel'd, dirty as with foot.*

- miniatus.* 51. L. navel'd gibbous dotted tawny underneath. *red.*
velutus. 52. L. navel'd most shaggy underneath. *fleecey.*
pustulatus. 53. L. navel'd pitted underneath, sprinkled with black
 bran. *blister'd.*
proboscideus. 54. L. navel'd, targets top-shape lop'd perforated. *pro-
 boscis-like.*
deustus. 55. L. navel'd everywhere polish'd. *burnt.*
polyphyllus. 56. L. navel'd many-leaved everywhere polish'd black-
 green notch'd. *many-leaved.*
polyrhizus. 57. L. navel'd many-leaved polish'd on both sides many-
 rooted. *many-rooted.*
viridis. L. navel'd black underneath, green above with dots
 elevated. *S. green.*

G. * *Cup-bearing.*

- cocciferus.* 58. L. cup-bearing simple most intire, stipe cylindric,
 tubercles scarlet. *grain-bearing.*
cornucopiodes. 59. L. cup-bearing simple shorter than the leaf, tuber-
 cles scarlet. *cornucopia-like.*
pyxidatus. 60. L. cup-bearing simple notchletted, tubercles brown.
box.
fimbriatus. 61. L. cup-bearing simple toothletted, stipe cylindric.
fringed.
gracilis. 62. L. cup-bearing branchy toothletted thread-form.
slender.
digitatus. 63. L. cup-bearing most branchy: branches cylindric,
 calyxes intire knotted. *finger'd.*
cornutus. 64. L. cup-bearing simplish rather bellied, calyxes intire.
horn'd.
deformis. 65. L. cup-bearing simplish rather bellied, calyxes
 tooth'd. *deform'd.*

H. * *Shrubbyish.*

- rangiferinus.* 66. L. shrubbyish perforated most branchy, branchlets
 nodding. *reindeer.*
uncialis. 67. L. shrubbyish perforated, branchlets most short acute.
inch.
subulatus. 68. L. shrubbyish rather two-fork'd, branches simple
 awl'd. *awl'd.*
globiferus. 92. L. shrubbyish solid polish'd, tubercles globular hollow
 terminal. *globe-bearing.*
 - 69. L.

- paschalis.* 69. L. shrubbyish solid cover'd, leaflets crustaceous. *paschal.*
fragilis. 70. L. shrubbyish solid, branchlets columnar obtuse. *fragile.*
Roccella. 71. L. shrubbyish solid leaflets rather branchy, tubercles
 alternate.
venucosus. L. shrubbyish solid, branches columnar headed. S.
 warty.

J. * *Thready.*

- plicatus.* 72. L. thready pendulous, branches infolded, shieldlets
 radiate. *folded.*
barbatus. 73. L. thready pendulous rather jointed, branches ex-
 panding. *bearded.*
divaricatus. L. thready pendulous angled jointed downy, branches
 divaricated, targets orbicular sessile. *divari-
 cated.*
Usnea. L. thready pendulous compress'd branchy polish'd.
jubatus. 75. L. thready pendulous: axils compress'd. *maned.*
lanatus. 75. L. thready most branchy decumbent implicated
 opaque. *wooly.*
pubescens. 79. L. thready most branchy decumbent infolded shining.
pubescent.
chalyeiformis. 77. L. thready branchy divaricated decumbent fold-wind-
 ing. *chain-form.*
hirtus. 78. L. thready most branchy erect, tubercles mealy scat-
 ter'd. *shaggy.*
vulpinus. 79. L. thready most branchy erect level-top'd unequal-
 angled. *fox.*
articulatus. 80. L. thready jointed, branches most slender dotted.
jointed.
floridus. 86. L. thready branchy erect, shieldlets radiate. *flower-
 ing.*
capensis. L. thready branchy erect fringed yellow, targets
 tawny radiate. S. *cape.*

K. * *Tubular.*

- flammeus.* L. tubular branchy retuse yellow. S. *flame-
 colour'd.*

1204. TREMELLA. *Fruetifications* scarcely manifest, in a gelatinous body.

- juniperina.* 1. T. sessile membranous ear-form tawny. *juniper.*
Nostoc. 2. T. folded waving.
lichencides. 4. T. erect-flat: margin curl'd jagletted. *Lichen-like.*
verrucosa. 5. T. tubercled solid wrinkled. *warty.*
difformis. 8. T. roundish sinuous deform'd gelatinous. *different-*
form'd.
hemisphærica. 6. T. hemispheric scatter'd. *hemispheric.*
purpurea. 7. T. subglobular sessile solitary smooth. *purple.*
adnata. 9. T. round imbricated livid. *adjoin'd.*

1205. FUCUS. MALE. *Bladders* interwoven with hairs.

FEM. *Bladders* sprinkled with grains immersed prominentish at top.
Seeds solitary. *Wrack.*

- uvarius.* 36. F. stem thread-form branchy, leaves crowded egg'd vaulted. *grape.*
natans. 13. F. stem thread-form branchy, leaves lanced saw'd fructifications globular peduncled. *swimming.*
acinarius. 14. F. stem thread-form branchy, leaves linear most intire, fructifications globular peduncled. *berried.*
lendigerus. 15. F. stem thread-form branchy, leaves lanced saw'd fructifications racemed filicled tubercled. *maggot-bearing.*
turbinatus. 16. F. stem thread-form rather branchy, fructifications racemed; with one bladdery top shape targeted with a leaf hearted notch'd. *top-shape.*
ferratus. 1. F. frond flat two-fork'd rib'd saw-tooth'd, fructifications terminal tubercled. *saw'd.*
volubilis. 6. F. frond flat spiral leaf-pierced, scollop-tooth'd. *twining.*
vesiculosus. 2. F. frond flat two-fork'd rib'd most intire: the axillary bladders double; the terminal ones tubercled. *bladdery.*
divaricatus. 8. F. frond flat two-fork'd most intire, axils divaricated: axillary bladders double. *divaricated.*

- inflatus*. 7. F. frond flat two-fork'd most intire dotted egg-lanced inflated: top-divided. *inflated.*
- ceranoides*. 3. F. frond flat two-fork'd most intire dotted lanced, fructifications tubercled two-cleft terminal. *inflated.*
- spiralis*. 6. F. frond flat two-fork'd most intire dotted: linear beneath channel'd, fructifications tubercled double. *spiral.*
- canaliculatus*. 45. F. frond flat two-fork'd most intire channel'd linear, fructifications tubercled two-parted obtuse. *channel'd.*
- distichus*. 46. F. frond flat two-fork'd most intire linear: fructifications tubercled dagger'd. *two-rank'd.*
- nodosus*. 11. F. frond compress'd two-fork'd, leaves two-rank'd most intire, bladders innate solitary dilated. *knotty.*
- pyriferus*. F. stem thread-form two-fork'd with fronds membranous sword-form solitary saw'd: terminal ones inflated with a petiole. *Pear-bearing.*
- siliquosus*. 17. F. frond compress'd branchy, leaves two-rank'd alternate most intire, fructifications peduncled oblong dagger'd. *siliqued.*
- siliculosus*. F. frond thread-form compress'd, leaves alternate rather saw'd fructifications subglobular peduncled dagger'd. *silicled.*
- elongatus*. 9. F. frond thread-form compress'd two-fork'd jointed with knots tumidish. *elongate.*
- loreus*. 47. F. frond thread-form compress'd two-fork'd everywhere tubercled on both sides. *thong.*
- foeniculaceus*. 20. F. frond thread-form most branchy, bladders egg'd terminated with leaflets many-parted obtuse fructifying at top. *hay.*
- triqueter*. F. frond two-edg'd branchy, leaves petioled tooth-letted, fructifications immersed oblong three-sided. *three-sided.*
- granulatus*. 18. F. frond thread-form most branchy, branchlets pointed, bladders roundish heaped, branches and leaves acute all innate. *granulated.*
- Selaginoides*. 36. F. thread-form most branchy: branches two-fork'd, leaves awl'd alternate bladder'd at the base. *Selago-like.*
- concatenatus*. 12. F. frond thread-form most branchy: branchlets two-fork'd, bladders necklace-form distant innate, leaves awl'd. *concatenated.*

- aculeatus.* 34. F. frond thread-form compress'd most branchy: with teeth marginal awl'd alternate erect. *prickly.*
- lycopodioides.* 35. F. frond thread-form columnar rather branchy, cover'd everywhere with bristles. *Lycopodium-like.*
- hirsutus.* 33. F. frond thread-form columnar two-fork'd cover'd everywhere with shag. *shaggy.*
- discors.* 48. F. frond columnar unarm'd most prickly, leaves two-rank'd rather feather'd linear-lanced saw'd. *discordant.*
- Tendo.* 32. F. frond thread-form simple cartilaginous subdiaphanous. *Tendon.*
- Filum.* 31. F. frond thread-form subfragile opaque. *Ithread.*
- lanosus.* 49. F. fronds capillary two-fork'd most branchy rugged. *woolly.*
- fastigiatus.* 29. F. frond thread-form two-fork'd most branchy level-top'd obtuse. *level-top'd.*
- furcillatus.* 30. F. frond thread-form two-fork'd most branchy pointed. *forked.*
- palmaris.* 26. F. frond handed flat. *handed.*
- ruccinalis.* F. stem piped with frond feather-handed leathery: leaflets sword-form most intire. *trumpet.*
- digitatus.* 39. F. frond handed, leaflets sword-form, stem columnar. *finger'd.*
- esculentus.* 40. F. frond simple undivided sword-form, stem four-corner'd feather'd running through the leaf. *esculent.*
- saccharinus.* 25. F. frond simplish sword-form, stem columnar most short. *sugar.*
- sanguineus.* 44. F. fronds membranous egg-oblong most intire petioled, stem columnar branchy. *bloody.*
- umbellatus.* 43. F. fronds membranous lanced proliferous fringed. *fringed.*
- crispus.* 38. F. fronds submembranous two-fork'd: divisions dilated. *curl'd.*
- crispatus.* 50. F. fronds membranous sublinear most branchy curled colour'd. *frizzled.*
- platus.* 42. F. fronds membranous mostly two-fork'd rib'd: divisions alternate decurrent two-cleft. *winged.*
- dentatus.* 41. F. fronds membranous nerveless alternately feather-cleft: sinuses obtuse, divisions gnaw'd at top. *tooth'd.*
- pubens.* 27. F. fronds membranous oblong waved sinuous, stem columnar branchy. *blushing.*
- venosus.* F. frond flat oblong painted with warty veins. *vein'd.*

830. CLANDES. MARRIAGES. FLAGS. Fucus.

- vittatus.* 51. F. fronds membranous divided sword-form tooth-
 aurred. *fillet.*
- ramentaceus.* 54. F. fronds thread-form simple, chips on one side leafy
 crowded. *chip.*
- plumosus.* 37. F. fronds cartilaginous lanced twice-feather'd plummy,
 stem thread-form compress'd branchy. *plumy.*
- abrotanifolius.* F. frond thread-form compress'd twice-feather'd with
 tops bladderly dilated terminated with fructifica-
 tions tubercled on one side. *abrotanum-like.*
- cartilagineus.* 24. F. frond cartilaginous compress'd superdecompound-
 feather'd: divisions linear. *cartilaginous.*
- gigantius.* 52. F. frond cartilaginous threadform-compress'd two-
 fork'd, fructifications globular peduncled ter-
 minal with a subjacent awn. *giant.*
- spinosus.* F. leafless cartilaginous branchy, toothlets verticil-
 threefold. *thorny.*
- spermophorus.* 53. F. frond membranous two-fork'd compress'd capil-
 lary with fructifications peduncled lateral, leaves
 linear many-cleft. *seed-bearing.*
- confervoides.* 22. F. fronds membranous linear compress'd branchy
 fructifications scatter'd sessile roundish. *Con-
 ferva-like.*
- flavus.* F. spongy, branches erect nearly five-angled jag-
 tooth'd areolated shining. *S. yellow.*
- pinnatus.* F. stem creeping most branchy, fronds simple-fea-
 ther'd: feathers obtuse equal approximated,
 fructifications verticil'd targetted. *S. feather'd.*

1206. ULVA. *Fructifications* in a diaphanous mem-
 brane. *Laver.*

- pavonia.* U. flat kidney-form sessile crosswise striated. *peacock.*
- umbilicalis.* 4. U. flat orbicular sessile targetted leathery. *navel.*
- intestinalis.* 1. U. tubular simple. *intestinal.*
- lumbricalis.* U. tubular intercepted with isthmuses. *lumbrical.*
- compressa.* 2. U. tubular branchy compress'd. *compress'd.*
- rugosa.* U. tubular branchy wrinkled. *wrinkled.*
- confervoides.* 3. U. thread-form jointed: joints alternately com-
 press'd. *Conferva-like.*
- latissima.* 4. U. oblong flat waved membranous green. *broadest.*
- Lactuca.* 5. U. handed proliferous membranous: chips narrow
 below. *lettice.*
- U.

- papillosa*. U. lance-awl'd everywhere murex'd with nipples. *papillous*.
lanceolata. U. lanced flat. *lanced*.
labyrinthifer- 6. U. cells labyrinth-form and prominencies club'd. *labyrinth-form*.
mis.
Linza. 7. U. frond oblong studded.
pruniiformis. 8. U. subglobular solitary succulent within. *Prunus-*
form.
granulata. 6. U. globular stuff'd green. *granulated*.

1207. CONFERVA. *Tubercles* unequal, in fibres capillary, most long.

* *Filaments simple, equal, destitute of knots.*

- riverularis*. 1. C. filaments most simple equal most long. *river*.
fontinalis. 2. C. filaments most simple equal shorter than the finger. *fountain*.

* * *Filaments branchy, equal.*

- bullosa*. 3. C. filaments equal branchy, including air-bubbles. *studded*.
canalicularis. 4. C. filaments equal more branchy towards the base. *channel'd*.
amphibia. 5. C. filaments equal branchy cohering into prickles by dryness. *amphibious*.
littoralis. 6. C. filaments equal most branchy elongate ruggedish. *strand*.
æругinosa. 7. C. filaments branchy soft longer than the finger most green. *verdigris*.
dichotoma. 8. C. filaments equal two-fork'd. *two-fork'd*.
scoparia. 9. C. filaments prolificous level-top'd shaggy. *beefom*.
cancellata. 10. C. threads branchy: filaments alternate short many-parted finger'd. *latticed*.

* * * *Filaments anastomosing.*

- reticulata*. 11. C. filaments net-coadjoin'd. *netted*.

* * * * *Filaments knotty.*

- fluviatilis*. 12. C. threads most simple bristle-form straight: knots thicker angled. *river*.
gelatinosa. 13. C. threads branchy necklace-form, joints globular gelatinous. *gelatinous*.

* * * * * *Fila-*

* * * * * *Filaments knotted.*

- capillaris.* 14. C. threads knotted simple: joints alternately compressed. *capillary.*
corallina. 15. C. threads knotted two-fork'd. *coralline.*
catenata. 16. C. threads knotted: joints cylindric. *chain.*
polymorpha. 17. C. filaments knotted, branches fascicled. *many-form.*
vagabunda. 18. C. filaments knotted winding, branches and branchlets shorter. *vagabond.*
glomerata. 19. C. filaments knotted, branchlets shorter many-cleft. *glomerated.*
rupestris. 20. C. filaments knotted most branchy green. *rock.*
aegagropila. 21. C. filaments knotted most branchy, most crowded from a centre constituting a globe.

1208. BYSSUS. The *Wool* or *Dust* most simple.

* *Thready.*

- septica.* B. capillary softest parallel most fragile pale. *putrescent.*
Flos aquæ. 1. B. filaments feather swimming. *Water flower.*
cancellata. B. threads everywhere exactly latticed. *latticed.*
phosphorea. 2. B. woolly violet growing to wood. *phosphoric.*
velutina. 3. B. capillary green: filaments branchy. *veil.*
aurea. 4. B. capillary dusty, fructifications scatter'd, filaments simple and branchy. *golden.*
cryptarum. 5. B. capillary perennial ash-colour'd tenacious growing on a rock. *of the cells.*

* * *Dusty.*

- antiquitatis.* 6. B. dusty black. *of antiquity.*
saxatilis. 7. B. dusty ash-colour'd covering rocks. *rock.*
Folithus. 7. B. dusty bloody growing on rocks.
candelaris. 9. B. dusty yellow growing on wood. *candle.*
botryoides. 10. B. dusty green.
incana. 11. B. dusty hoary, spread like dust. *hoary.*
lutea. 12. B. dust-crusted most white. *milk.*

F U N G U S S E S.

(Fungi.)

1209. AGARICUS. *Fungus* horizontal, folded underneath. *Agaric.*

* *Stiped, hat orbicular.*

- | | | | |
|-------------------------|-----|----|---|
| <i>Cantarellus.</i> | 1. | A. | stiped, foldlets branchy decurrent. |
| <i>quinquepartitus.</i> | 2. | A. | stiped, hat yellowish parted, foldlets whiter tooth-connected within. <i>five-parted.</i> |
| <i>integer.</i> | 3. | A. | stiped, all the foldlets equal in magnitude. <i>intire.</i> |
| <i>muscarius.</i> | 4. | A. | stiped, foldlets halved solitary, stipe valved : top dilated egg'd at the base. <i>fly.</i> |
| <i>dentatus.</i> | 5. | A. | stiped, hat convex, foldlets tooth'd with a dagger at the base. <i>tooth'd.</i> |
| <i>deliciosus.</i> | 6. | A. | stiped, hat testaceous with juice yellowish. <i>delicious.</i> |
| <i>lactifluus.</i> | 7. | A. | stiped, hat flat fleshy milky, foldlets red, stipe long fleshy. <i>milk-flowing.</i> |
| <i>piparatus.</i> | 8. | A. | stiped, hat flattish milky : margin deflected, foldlets flesh-pale. <i>pepper.</i> |
| <i>campestris.</i> | 9. | A. | stiped, hat convex scaly white, foldlets red. <i>champain.</i> |
| <i>Georgii.</i> | B. | A. | stiped, hat yellow convex'd : foldlets white. <i>of George.</i> |
| <i>violaceus.</i> | 10. | A. | stiped, hat clefty : margin violet downy, stipe bluish with wool iron-colour'd. <i>violet.</i> |
| <i>cinnamomeus.</i> | 11. | A. | stiped, hat dirty yellow, foldlets yellow-red. <i>cinnamon.</i> |
| <i>viscidus.</i> | 12. | A. | stiped, hat purple-brown viscid, foldlets brown-purple. <i>viscid.</i> |
| <i>aquestris.</i> | 13. | A. | stiped, hat pale : disk star-wisc yellow, foldlets sulphureous. <i>horse.</i> |
| <i>mammosus.</i> | 15. | A. | stiped, hat convex pointed grey, foldlets convex grey notch'd, stipe naked. <i>nipple.</i> |
| <i>clypeatus.</i> | 16. | A. | stiped, hat hemispheric viscid pointed, foldlets white, stipe long cylindric white. <i>buckler'd.</i> |
| <i>extinctorius.</i> | 17. | A. | stiped, hat bell-form white torn, foldlets snowy, stipe subbulbous awl'd naked. <i>extinct.</i> |
| <i>crinitus.</i> | 25. | A. | stiped, hat funnel-form hairy, foldlets equal, stipe thread-form. <i>hair'd.</i> |

18. A.

834. CLANDES. MARRIAGES. FUNGUSSES. Agaricus.

- finetarius.* 18. A. stiped, hat bell'd torn, foldlets black laterally winding, stipe piped. *dunghill.*
- campanulatus.* 19. A. stiped, hat bell'd striated pellucid, foldlets ascending, stipe naked. *bell'd.*
- separatus.* 20. A. stiped, hat polish'd livid, foldlets black separate, stipe bulbous stiped. *separate.*
- fragilis.* 21. A. stiped, hat convex viscid pellucid and the foldlets yellow, stipe naked. *fragile.*
- umbelliferus.* 22. A. stiped, hat folded membranous, foldlets broader at the base. *umbel-bearing.*
- androsaceus.* 23. A. stiped white, hat folded membranous, stipe black. *androsace.*
- clavus.* 24. A. stiped, hat yellow convex striated, foldlets and stipe white. *club.*

* * *Parasite, stemless, halved.*

- quercinus.* 25. A. stemless, foldlets labyrinth-form. *oak.*
- betulinus.* 26. A. stemless leathery villous; margin obtuse foldlets branchy anastomosing. *birch.*
- alveus.* 27. A. stemless, foldlets two-cleft dusty. *alder.*

1210. BOLETUS. *Fungus* horizontal, porous underneath.

* *Parasite stemless.*

- Favus.* 5. B. stemless rather bolster'd rugged with bristles erect branchy, pores expanded angled. *Honey-comb.*
- suberosus.* 1. B. stemless bolster'd white polish'd, pores acute different-form. *corky.*
- fomentarius.* 2. B. stemless bolster'd unequal obtuse, pores columnar equal sea-green. *fomentarian.*
- igniarius.* 3. B. stemless bolster'd polish'd pores most small. *fire.*
- sanguineus.* 6. B. stemless submembranous red, pores impalpable. *bloody.*
- versicolor.* 4. B. stemless: belts discolour'd with pores white. *colour-changing.*
- suaevolens.* 7. B. stemless polish'd above, willow. *sweet-scented.*

* * *Stiped.*

- perennis.* 8. B. stiped perennial, hat flattish on both sides. *perennial.*
9. B.

- viscidus.* 9. B. stiped, hat bolster'd viscid, pores columnar convex immersed distinct, stipe torn. *viscid.*
- luteus.* 10. B. stiped, hat bolster'd subviscid, pores rounded convex most yellow, stipe white. *yellow.*
- bovinus.* 11. B. stiped, hat smooth bolster'd margin'd, pores compound acute: porelets angled shorter. *ox.*
- granulatus.* 12. B. stiped, hat viscid bolster'd, pores columnar and subangled lop'd: angle granulated. *granulated.*
- subtomentosus.* 13. B. stiped, hat yellow downyish, pores subangled different-form yellow flat, stipe yellow. *downyish.*
- subsquamosus.* 14. B. stiped, hat white, pores different-form oblong-winding snowy. *scalyish.*

1211. HYDNUM. *Fungus* horizontal hedge-hog'd underneath.

- imbricatum.* 1. H. stiped, hat convex imbricated. *imbricated.*
- repandum.* 2. H. stiped, hat convex polish'd winding. *scallop'd.*
- tomentosum.* 3. H. stiped, hat flat-funnel-form. *downy.*
- auriscalpium.* 4. H. stiped, hat halved. *ear-pick.*
- parasiticum.* 5. H. stemless bow-wrinkled downy. *parasite*

1212. PHALLUS. *Fungus* netted above, polish'd underneath. *Stink-horn.*

- esculentus.* 1. P. hat egg'd cellular stipe naked wrinkled.
- impudicus.* 2. P. valved stiped, hat cellular. *immodest.*
- Mokusin.* P. valve radical, stipe five-corner'd, hat acute five-parted: divisions converging. *S.*

1213. CLATHRUS. *Fungus* roundish, latticed.

* *Stemless.*

- cancellatus.* 1. C. stemless roundish. *latticed.*

* * *Stiped.*

- denudatus.* 2. C. stiped, head oblong volved. *denuded.*
- nudus.* 3. C. stiped, head oblong growing to the longitudinal axis. *naked.*
- recutitus.* 4. C. stiped, head globular, gland oval. *circumcised.*

1214. HELVELLA. *Fungus top-shape.*

* *Stiped.*

Mitra. 1. H. hat deflected adhering lobed different-form. *Mitre.*

* * *Stemless.*

pineti. 2. H. stemless. *of the Pine.*

1215. PEZIZA. *Fungus bell'd sessile. Cup-mush-room.*

- | | | |
|------------------------------------|---|-------------------------|
| <i>lentifera.</i> | 1. P. bell'd lentil-bearing. | <i>lentil-bearing.</i> |
| <i>punctata.</i> | 2. P. top-shape lop'd, disc dotted. | <i>dotted.</i> |
| <i>cornucopioi-</i>
<i>des.</i> | 3. P. funnel-form, disc expanding sinuous dotted. | <i>Cornucopia-like.</i> |
| <i>Acetabulum.</i> | 4. P. cup-form : angled without with veins branchy. | <i>joint-cup.</i> |
| <i>cyathoides.</i> | 5. P. cup-form : margin obtuse erect. | <i>Cup-like.</i> |
| <i>cupularis.</i> | 6. P. globe-bell'd : margin notch'd. | <i>cupular.</i> |
| <i>scutellata.</i> | 7. P. flat : margin convex hairy. | <i>shieldletted.</i> |
| <i>cochleata.</i> | 8. P. top-shape snail-shell'd. | <i>snail-shell'd.</i> |
| <i>Auricula.</i> | P. concave wrinkled ear-form. | <i>Ear.</i> |

1216. CLAVARIA. *Fungus polish'd, oblong.*

* *Undivided.*

- | | | |
|------------------------------------|---|---------------------------|
| <i>pistillaris.</i> | 1. C. club-form most simple. | <i>pistil.</i> |
| <i>militaris.</i> | 2. C. club'd most intire with head scaly. | <i>military.</i> |
| <i>Ophioglossi-</i>
<i>des.</i> | 3. C. club'd most intire compress'd obtuse. | <i>ophioglossum-like.</i> |

* * *Branchy.*

- | | | |
|---------------------|--|---------------------|
| <i>digitata.</i> | 4. C. branchy woody black. | <i>finger'd.</i> |
| <i>Hypoxylon.</i> | 5. C. branch-horn'd compress'd. | <i>underwood.</i> |
| <i>coralloides.</i> | 6. C. branches crowded most branchy unequal. | <i>coral-like.</i> |
| <i>fastigiata.</i> | 7. C. branches crowded most branchy level-top'd obtuse yellow. | <i>level-top'd.</i> |
| | | 8. C. |

musoides. 8. C. branches branchy pointed unequal yellow. *mooss-like.*

1217. LYCOPERDON. *Fungus* roundish. Replete with farinaceous Seeds. Puffball.

* *Solid, subterraneous without root.*

Tuber. 1. L. globular solid murex'd, destitute of a root. *knob.*
cervinum. 2. L. globular solidish with centre dust-bearing, destitute of a root. *Harts.*

* * *Dusly, rooted, above ground.*

Bovista. 3. L. roundish : torn-gaping.
aurantium. 4. L. spheroidal wrinkled at the base stiped: gaping with divisions obtusely end-nick'd. *Orange.*
stellatum. 5. L. volve many-cleft expanding, head smooth: mouth pointed folded. *star.*
Carpobolus. 6. L. volve many-cleft, fruit globular from seeds combined.
radiatum. 7. L. disc hemispheric, ray colour'd. *radiate.*
pedunculatum. 8. L. stipe long, head globular smooth: mouth cylindrical most intire. *peduncled.*
pistillare. L. club'd, stipe twisted. *pistil'd.*
cancinomalis. L. club'd, stipe cylindrical straight. S. *cancerous.*

* * * *Parasite, bursting into dust.*

cancellatum. L. parasite with a pustule at top slit on the sides. *latticed.*
variolosum. L. parasite sessile roundish, exterior bark yellow deciduous; dust black compact. *small-pox.*
truncatum. L. parasite roundish lop'd. *lop'd.*
pisiformis. 11. L. globular rugged: mouth perforated. *pea-form.*
Epidendrum. 9. L. bark and dust purple. *tree.*
epiphyllum. 10. L. aggregate parasite: mouth many-cleft torn: dust yellow. *leaf.*
cancellatum. L. parasite of Leaves, latticed with threads parallel. *latticed.*

1218. MUCOR. *Fungus* with bladders stiped.
Mould.

* *Perennial.*

- | | | |
|------------------------|---|-----------------------|
| <i>sphærocephalus.</i> | 1. M. perennial, stipe thread-form black, head globular ash-colour'd. | <i>sphere-headed.</i> |
| <i>lichenoides.</i> | 2. M. perennial, stipe awl'd black, head lenticular ash-colour'd. | <i>Lichen-like.</i> |
| <i>Embolus.</i> | 3. M. bristle black, hair brown. | |
| <i>fulvus.</i> | 4. M. perennial pale, hat tawny. | <i>tawny.</i> |
| <i>furfuraceus.</i> | 5. M. perennial green, leaves branny, stipe thread-form, head globular. | <i>bran.</i> |
| <i>clavatus.</i> | M. perennial, stipe thread-form black, head obtuse black smooth. S. | <i>club'd.</i> |

* * *Fleeting.*

- | | | |
|---------------------|--|---------------------|
| <i>Mucedo.</i> | 6. M. stiped, capsule globular. | |
| <i>leprofus.</i> | 7. M. bristly, seeds radical. | <i>leprous.</i> |
| <i>glaucus.</i> | 8. M. stiped, head roundish aggregate. | <i>sea-green.</i> |
| <i>crustaceus.</i> | 9. M. stiped, spikes finger'd. | <i>crustaceous.</i> |
| <i>cespitosus.</i> | 10. M. stipe branchy, spikes three'd. | <i>turf.</i> |
| <i>viridescens.</i> | M. green granulated. | <i>green.</i> |
| <i>Erysiphe.</i> | 11. M. white, heads brown sessile. | |
| <i>septicus.</i> | 12. M. unctuous yellow. | <i>putrescent.</i> |

A P P E N D I X.

P A L M S spathed, three-petal'd.

* *Fan-leaved.*

1219.	CHAMÆROPS.	two-house.	<i>Drupe</i> three.
1220.	BORASSUS.	two-house.	<i>Drupe</i> 3-seeded.
1221.	CORYPHA.		<i>Drupe</i> 1-seeded.

* * *Feather-leaved.*

1224.	PHOENIX.	two-house.	<i>Drupe</i> 1-seeded.
1284.	ELAIS.	two-house.	<i>Drupe</i> 1-seeded, leathery, <i>Cal.</i> and <i>Cor.</i> 6-parted.
1225.	ARECA.	one-house.	<i>Drupe</i> 1-seeded, <i>Calyx</i> im- bricated.
1226.	ELATE.	one-house.	<i>Drupe</i> one-seeded.
1223.	COCOS.	one-house.	<i>Drupe</i> 1-seeded, leathery.

* * * *Twice-feather-leaved.*

1228.	CARYOTA.	one-house.	<i>Drupe</i> 2-seeded.
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From the Supplement.

1436.	MAURITIA.		<i>Perianth</i> one-leaved, <i>Cor.</i> 1-petal'd.
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P A L M S.

P A L M S.

1219. CHAMÆROPS. HERMAPH. *Cal.* 3-parted. *Cor.* 3-petal'd. *Stamens* 6. *Pistils* 3. *Drupes* 3, one-seeded.
 MALE. Two-house, as in the hermaphrodite. *Palmetto*.

humilis. 1. *C.* fronds handed folded, stipes thorny. *humble.*

1220. BORASSUS. MALE. *Cal.* - - - *Cor.* 3-parted. *Stamens* 6.
 FEM. *Cal.* - - - *Cor.* 3-parted. *Styles* 3. *Drupe* 3-seeded.

flabelliformis. 1. *B.* fronds handed folded cowl'd, stipes saw'd. *Fan-form.*

1221. CORYPHA. *Cal.* - - - *Cor.* 3-petal'd. *Stamens* 9. *Pist.* 1. *Drupe* 1-seeded.

umbraculifera. 1. *C.* fronds feather-handed folded and intercepted with a thread. *umbrella-bearing.*

1223. COCOS. MALE. *Cal.* 3-parted. *Cor.* 3-petal'd. *Stamens* 6.

FEM. *Cal.* 5-parted. *Cor.* 3-petal'd. *Stigmas* 3. *Drupe* leathery. *Cocco-nut.*

nucifera. 1. *C.* unarm'd, fronds feather'd: leaflets folded back sword-form. *Nut-bearing.*

guineensis. 2. *C.* all prickly, fronds distant root creeping. *guinea.*

butyracea. *C.* unarm'd, fronds feather'd: leaflets simple, *S. butter.*

1224. PHOE-

1224. PHOENIX. MALE. *Cal.* 3-parted. *Cor.*
 3-petal'd. *Stamens* 3.
 FEM. *Cal.* 3-parted. *Cor.* 3-petal'd.
Pist. 1. *Drupe* egg'd.

dactylifera. 1. Ph. fronds feather'd: leaflets complicated sword-
 form. *dactyl-bearing.*

1284. ELAIS. MALE. *Cal.* 6-leaved. *Cor.* 6-
 cleft. *Stamens* 6.
 FEM. *Cal.* 6-leaved. *Cor.* 6-petal'd.
Stigmas 3. *Drupe* fibrous. *Nut*
 1, three-valved.

guineensis. E. fronds feather'd: stipes tooth-thorny diverging:
 highest toothlets recurved. *Guinea.*

1225. ARECA. MALE. *Cal.* - - - *Cor.* 3-petal'd.
Stamens 9.
 FEM. *Cal.* - - - *Cor.* 3-petal'd. *Drupe*
 with calyx imbricated.

Cathec. 1. A. fronds feather'd: leaflets folded back opposite
 end-bitten.
oleracea. 2. A. leaflets most intire. *oleraceous.*

1226. ELATE. MALE. *Cal.* - - - *Cor.* 3-petal'd.
Stamens 3.
 FEM. *Cal.* - - - *Cor.* 3-petal'd. *Pist.*
 1. *Drupe* egg'd, pointed.

sylvestris. A. E. fronds feather'd: leaflets opposite. *wood.*

1228. CARYOTA. MALE. Cal. common. Cor.
3-parted. Stamens numerous.

FEM. Cal. the same. Cor. 3-parted.
Pist. 1. Berry 2-seeded.

urens. A. C. fronds twice-feather'd: leaflets wedge-form ob-
liquely end-bitten. *stinging.*

1436. MAURITIA. MALE. Cal. 1-leaved. Cor.
1-petal'd. Stamens 6.

FEM. Cal. --- Cor. --- S.

flexuosa.

MAURITIA.

winding.

C O R R I G E N D A.

BRUNSFELSIA. p. 185, belongs to class Two Powers, order Seed-cover'd as is attested by two eye-witnesses.

QUASSIA. p. 327. is found by late observations to belong to the class Two Houses, order Ten Males.

WILLICHIA. p. 134. is to be erased.

GARDENIA. p. 199. add the following essential character from the Supplement. *Contorted. Cor. 1-petal'd. Anthers inserted on the tube of the Corol without filaments. Berry beneath 2 or 4-cell'd many-seeded. S.*

For PIPER *methypticum* p. 70, read PIPER *latifolium*.

For CYNOGLOSSUM *Rindera*. p. 154, read CYNOGLOSSUM *lævigatum*.

For *channel'd*, p. 257, line 9, read *latticed*.

For *dominical*, p. 66, read *Domingo*.

For *wild*, p. 78, line 1, read *cultivated*.

After *Salvia*, No. 3, p. 66, insert *lyred*.

For *Cyclades*, p. 177, read *of Myco*.

For *Pritro*, p. 651, l. 20, read *Ritro*.

A D V E R T I S E M E N T.

THE Editors are happy at the conclusion of their labour to acquaint the public, that they are assured by many correspondents, that the language of their translation has met with the approbation of the ingenious; and to add, that the sale of it has equal'd their Expectations.

The celebrated Author of the SEXUAL BOTANY has deliver'd his system in three separate publications; the GENERA PLANTARUM, the SPECIES PLANTARUM, and the SYSTEMA VEGETABILIIUM. In the first of these are described the *natural character*, or *all* the parts of the fructification of every *Genus* of plants. In the second the *Species* of each *Genus* are enumerated, and distinguished from each other by their *specific* descriptions, and their *trivial names*; to which are added the Synonymies of the older authors, with references to their works; the native places of the plants, their distinctions into shrubs, trees, and herbs; into annuals, biennials, and perennials; with more diffuse and particular descriptions of such as are more rare. The third or SYSTEM OF VEGETABLES describes only the *essential characters* of each *Genus*; or so much of the parts of fructification only, as distinguish it from every other *Genus*; and then enumerates and describes the species under each *Genus*; giving only their *trivial* names and *specific* distinctions.

This last work therefore, the SYSTEM OF VEGETABLES, may be term'd an abstract of the other two; and is perhaps one of the most wonderful and successful efforts of human ingenuity. In many single pages of it twenty plants are accurately discriminated from every other known plant! and more than ten thousand plants are described in one octavo volume! so artful is the arrangement, and so laconic the style of this celebrated system! and yet from the comparative shortness of the words of our language, we have been enabled to render it still
more

more concise in the translation.——Of the two former works, the **GENERA** and **SPECIES PLANTARUM**, we are informed a new edition with variety of improvements, is at this time preparing abroad, and will shortly be made public: which will occasion us at present to postpone a translation of them.

In regard to our present work, an ingenious correspondent has acquainted us, that it is thought we have been too sparing in the use of english generic names, and especially to plants which are natives of our island; and has mention'd some which were omitted from inattention, as Plantain, Woodroof, Pearlwort, Pimpernel, after Plantago, Asperula, Sagina, Anagallis. These with some others shall be added in a future edition of the work; but as the Linnean names are daily more and more introduced into common use; we wish'd not to burthen the memory of the young Botanist with names, which are already nearly obsolete, as Bear's Breech for Acanthus, Flower de luce for Iris, and the like: nor to confound him with such compound english names, as would seem to refer the plant to some other genus, as Dead-nettle, Cow-wheat, Cat-mint, Ground-ivy, Black-Horehound, Field-basil, for Lamium, Melampyrum, Nepeta, Glechoma, Ballota, Clinopodium, and very many others. A catalogue however of english and scotch names referring them to the Linnean classes, is placed at the end of the work.

It was omitted to be mention'd in the preface, that Linneus has not only used diminutives and detractives from positive adjectives, as *denticulatus*, *fine-tooth'd*; *subdentatus*, *somewhat tooth'd*; but has introduced a fourth degree of comparifon by prefixing *sub* to superlative adjectives; which our english article *very* most accurately expresses, as *subintegerrimus very intire*; *integerrimus most intire*. In a few of the first pages of the work however *very* has been used by inattention for the superlative degree.

It has been wish'd by an ingenious correspondent, that a figure of reference to the plates had been put in the index of botanical terms at the beginning of the book: this the Reader is requested to do with his pen, as in p. XLIV. after orbicular 157, to add f. 1. after oval 159, to add f. 4. &c.

We were also inform'd, that an alphabetical arrangement of the latin terms of Linneus with their translations, would be acceptable to young botanists; as it might facilitate their acquaintance with the yet-untranslated works of that great naturalist: this we have accordingly executed.

Many

Many of our friends have lamented the want of a mark or accent to determine the pronunciation of botanic names; and have thought this would be a work highly acceptable to those, who are not critics in the learned languages. We were long in doubt whether it would be preferable to put a curved or a straight line over the penult syllable of the words of dubious quantity; or to put an accent over the syllable, which is longer dwelt upon, or to pronounce with more energy, in common pronunciation; the latter we have prefer'd, as being more intelligible to an english reader.

The learned reader will be well aware of the difficulty of this task; we have executed it however to the best of our abilities, taking for our guides the *Indices catholici* of Father Labbe, with the additions of Leedes; the *Profodia pharmaceutica* of Dr. R. Brown; the *Profodia* of Smetius; Morell's thesaurus; the dictionary of Mr. Ainsworth; and the *Gradus ad Panassum*; with whatever we could obtain from the greek and latin poets; from the usual rules of grammar; from derivation; and from analogy.

It must at the same time be observed that some botanic names have by so general consent gain'd a modern pronunciation different from the original one; that it may in these instances be more intelligible to persist in the error, than to endeavour to correct it. Thus *anemone* is universally in England pronounced with the penult syllable short, yet it terminates an hexameter verse in the *adonis* of Bion, and in Ovid, and is written with an omega by Dioscorides. The penult of *Cotylédon* is by mistake written with an epsilon by Linneus himself in the *Philosophia botanica*, yet it is spelt with an eta both by Dioscorides and Nicander. Add to these *Cyanus* and *Phyllirea*, the penults of which are originally short: and *Hypericum*, *Reseda* and *Conium*, the penults of which are originally long: with many others, which are generally falsely pronounced; but which however we have so accented, as to ascertain their original pronunciation; and thence leaving it to the option of the reader to use the modern or the antient quantity: observing that there are some instances in our common language of words, which by custom differ in the quantity of their penults from the words to which they owe their derivation, as *Orator* and *Théâtre* are in the latin *Orátor* and *Théátrum*.

We had other difficulties to encounter from the uncertainty of some derivations, as the *Plant Thalia*, if derived from the *Muse* of that name, would be pronounced *Thalia*; but as Linneus ascribes it to *Thales* the philosopher, we have mark'd it *Thalia*; so the penult of *Verónica* is marked long by Father Labbe, and short by Dr. Brown,
owing

owing to their different opinions of its derivation; and Father Labbe affirms that the penult of *Sophia* is always short, tho' others have been of a different opinion.

Another difficulty, which occur'd to us, was in the words of four syllables beginning with a dactyle, as *Leucoium*, *anthericum*, *apocynum*, *androsace*, &c. these four-syllable words, having the two middle syllables short, are by the latin poets frequently placed at the end of their pentameter verses, and are call'd *Choreambics*, as

Dantur opes nulli nunc nisi divitibus.

Mart.

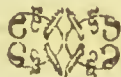
and are then always disagreeable in modern pronunciation, because we place the accent or emphasis in speaking them upon the antepenult, which the verse requires should be laid upon the first and upon the last syllable. But when words of this kind are found in the middle parts of a verse, we pronounce them right, by laying the accent or emphasis on the first and last syllables, and then the line becomes agreeable to the ear; as

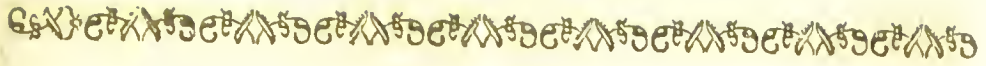
Et victoris opes, divitiásque dei.

Mart.

It is plain from hence that our modern way of pronouncing all these words by laying the accent on the antepenult is erroneous, and that the emphasis ought to be placed on the first and last syllables as *Leucoium*, *Anthericum*, *Ægiphilá*, &c. But as this error of pronunciation is so universally adopted, and the original pronunciation, (when the words are not connected in a verse,) is so uncouth to a modern ear, we have determin'd to accent them on the antepenult, as they are generally pronounced, as *Leucoium*, *Angélica*, *Cacália*; tho' in all these words the accent evidently militates with the quantity.

If any errors should be detected besides those above mention'd in the corrigenda and errata; the reader is intreated to ascribe something to the general difficulty of the undertaking; in which almost a new language was to be formed; and to the great labour of obtaining typographical accuracy in a work, where neither the general sense, nor the construction of the language could give any assistance in the correction of the press.





I N D E X

O F

GENERIC NAMES.

A.

	Ægilops	772
	Ægíphila	131
Abrus	Ægopódium	228
Acæna	Ægoprícon	695
Acalýpha	Æschynómene	550
Acánthus	Æsculus	282
Ácer	Æthúfa	225
Achilléa	Agáricus	833
Áchras	Agáve	267
Achyranthes	Agératum	603
Acnída	Agrimónia	364
Aconítum	Agrophýllum	203
Ácorus	Agrostemma	352
Acróstichum	Agróitis	96
Actæa	Agynéja	728
Adanfónia	Aíra	97
Adélia	Ájuga	431
Adenanthéra	Aizóon	385
Adiáanthum	Albúca	258
Adónis	Álcea	511
Adóxa	Alchemilla	135
	Aldrovánda	

Aldrovánda	239	Angúria	695
Alétris	266	Annóna	416
Alířma	279	Ánthemis	632
Allamánda	199	Ánthemum	228
Alliónia	121	Anthéricum	262
Állium	254	Anthířtria	108
Allophýlus	290	Anthóceros	821
Áloe	266	Antholíza	80
Alopecúrus	95	Anthospérmum	784
Alpínia	52	Anthoxánthum	69
Alsíne	234	Anthýllis	537
Altónia	409	Antíchorus	290
Alstroeméria	267	Antidéřma	747
Altháea	510	Antirrhínium	451
Alýřřum	481	Áphanes	136
Amaránthus	709	Aphyllánthes	254
Amarýllis	253	Aphytéia	499
Amafónia	473	Ápium	228
Ambróma	570	Aplúda	770
Ambróřia	706	Apócynum	205
Ambrosína	679	Aponogéton	283
Améllus	634	Aquártia	126
Amethýřřea	65	Aquilégia	413
Ammánia	132	Aquilícia	193
Ámmi	218	Árabis	489
Amómum	52	Árachis	538
Amórpha	533	Arália	236
Amýgdalus	378	Árbutus	332
Amýris	291	Árctium	592
Anábafis	209	Árctopus	785
Anaçárdium	310	Arctótis	646
Anacýclus	632	Arduína	188
Anagállis	160	Aréca	841
Anagýris	520	Arenária	345
Anařřátua	477	Arethúřa	669
Anchúřa	153	Arétia	157
Ancířřtrum	69	Argemóne	402
Andráchne	728	Argophýllum	191
Andrómeda	331	Ariřřřida	107
Andropógon	768	Ariřřřolochía	675
Andróřace	157	Árnica	627
Andrýřřala	590	Artédia	218
Anemóne	416	Artemířřia	608
Angélica	222	Artocárpus	694
		Árum	

Brunsfélfia	185	Cánna	52
Bryónia	727	Cánnabis	748
Bryum	813	Cápparis	399
Búbon	223	Caprária	460
Buchnéra	463	Cápsicum	182
Búcida	334	Capúra	271
Buddléia	127	Cardamíne	484
Bufónia	136	Cardiospérmum	306
Bulbocódium	254	Cárduus	593
Búnias	492	Cárex	698
Búnium	218	Cárica	753
Buphthálmum	636	Carífla	198
Bupleúrum	215	Carlína	597
Burmánia	250	Carolinéa	517
Burféra	270	Carpésium	614
Butnéria	188	Cárpinus	716
Bútomus	312	Cárthamus	598
Buxbáumia	811	Cárum	228
Býffus	832	Carýocar	413
		Carýota	842
		Caryophýllus	405
		Casaurína	695
		Cássia	321
		Casíne	231
		Cassýta	311
		Castilléia	473
		Catanánche	592
		Catefbæa	125
		Cátúrus	743
		Caúcalis	217
		Ceanóthus	188
		Cecrópia	739
		Cedréla	192
		Celástrus	189
		Celófia	195
		Célfia	456
		Céltis	777
		Cénchrus	771
		Centauréa	640
		Centélla	703
		Centúnculus	129
		Cephalánthus	118
		Cerástium	353
		Ceratocárpus	693
		Ceratónia	

C.

Cacália	599
Cáchrys	220
Cáctus	375
Cæsalpínia	323
Cálamus	268
Calceolária	63
Caléa	605
Caléndula	645
Cálla	681
Callicárpa	126
Callígonum	411
Callífia	84
Callítriche	54
Callophýllum	403
Cáltha	423
Calycánthus	392
Cambógia	402
Caméllia	516
Camerária	201
Campánula	167
Camphorófsma	135
Canarína	271
Canárium	746

Ceratónia	786	Claytónia	194
Ceratophýllum	712	Clématis	418
Cérbera	198	Cléome	493
Cércis	320	Cleónia	447
Cerínthe	154	Clerodéndrum	469
Ceropégia	201	Cléthra	333
Céstrum	182	Clibádium	709
Charophýllum	226	Cliffórtia	756
Chálcas	325	Clinopódium	441
Chamærops	840	Clitória	542
Chára	693	Clúfia	775
Cheiránthus	487	Clútia	760
Chelidónium	401	Clypéola	482
Chelóne	451	Cneórum	76
Chenopódium	207	Cnícus	596
Cherléria	346	Coccóloba	305
Chiocócca	174	Cochleárea	480
Chionánthus	58	Cócos	840
Chirónia	183	Códia	303
Chlóra	292	Códon	324
Chondrilla	586	Cofféa	173
Chrysánthemum	629	Cóix	698
Chryfitrix	786	Cólchicum	278
Chryfobálanus	379	Coldénia	137
Chrysócoma	604	Collinsónia	68
Chrysógonum	645	Columnéa	471
Chryfophýllum	185	Colútea	548
Chryfoplénium	336	Cómarum	392
Cicca	704	Combrétum	290
Cícer	546	Cométes	133
Cichoréum	592	Commelína	83
Cicúta	224	Commerfónia	243
Cimicífuga	413	Comocládia	77
Cinchóna	173	Conférva	831
Cinerária	624	Coníum	219
Cinna	54	Cónnarus	501
Circæa	58	Conocárpus	175
Cissámpelos	758	Convallária	264
Cíffus	129	Convólvulus	163
Cíftus	406	Conýza	615
Citharóxylon	458	Copáifera	334
Cítrus	571	Coprófsma	229
Cláthrus	835	Córchorus	408
Clavária	836	Córdia	184

Diospýros	783	Émpetrum	741
Dípfacus	118	Epácris	202
Dírca	300	Éphedra	758
Dífa	671	Épidéndrum	669
Difándra	282	Epigáa	332
Dodártia	466	Epilóbium	289
Dódecas	364	Epimédium	130
Dodecátheon	158	Equifétum	792
Dodonéa	292	Eránthemum	58
Dólíchos	540	Érica	294
Dorónicum	627	Erígeron	616
Dorsténia	133	Erínas	463
Drába	478	Eriocáulon	108
Dracæna	264	Eriocéphalus	649
Dracocéphalum	443	Erióphorum	89
Dracóntium	681	Eríthalis	175
Drímys	424	Érvum	546
Drófera	239	Erýngium	214
Drýas	392	Erythrína	528
Drypis	234	Erythrónium	258
Duránta	469	Erythróxylon	348
Dúrio	572	Erýsimum	486
Duróia	273	Éscallónia	191
			203
		Ethúlia	601
		Eucléa	754
		Eugénia	376
		Evólvulus	235
		Evónymus	189
		Eupatórium	601
		Euphórbia	365
		Euphrásia	448
		Éxacum	127
		Excoecária	743
		F.	
		Fágara	130
		Fagónia	328
		Fágus	715
		Fáلكia	274
		Ferrária	672
		Férula	221
		Festúca	101
		Fícus	
E.			
ébenus	538		
Echinóphora	216		
Echínops	651		
Echítes	200		
échium	155		
Eclípta	635		
Ehrétia	185		
Ehrhártá	273		
Eléagnus	133		
Eleocárpus	404		
Eláis	141		
élate	141		
Elatérium	694		
Elátíne	307		
Elephántopus	650		
Ellífia	159		
élymus	106		
Embothrium	136		

Hamamélis	136	Hórdeum	107
Haméllia	174	Hormínium	444
Hartógia	135	Hottónia	159
Aasselquíftia	217	Houftónia	123
Hebenftrétia	463	Hudfónia	362
Hédera	193	Hugónia	502
Hedycárya	757	Húmulus	748
Hedyótis	121	Húra	724
Hedýfarum	551	Hyacínthus	265
Heiftéri	329	Hýdnum	835
Heliánthus	637	Hydrangéa	335
Heliatrópium	152	Hydráftis	423
Heliocárpus	364	Hydrócharis	753
Helicónia	194	Hydrocótyle	214
Helícteres	678	Hydrólea	211
Helénium	628	Hydrophýllax	135
Helióphila	488	Hydróphýllum	159
Helléborus	423	Hymenæa	320
Helónias	278	Hyobánche	466
Helvélla	836	Hyofcýamus	178
Hemerocállis	268	Hyóferis	590
Hemímerus	472	Hypécoum	137
Hemionítis	798	Hyperícum	573
Herácleum	222	Hýpnum	815
Hermánnia	500	Hypochæris	591
Hérmás	778	Hypóxis	259
Hernándia	702	Hyffópus	433
Herniária	207		
Héſperis	488		
Héuchera	211		
Hibíſcus	514	Jacquínia	183
Hierácium	587	Jambolífera	291
Híllia	271	Játropha	722
Hiréa	347	Jafíone	653
Hirtélla	192	Jáſminum	57
Híppia	649	Íberis	480
Hippocratéa	77	Ignátia	182
Hippocrépis	550	Ílex	137
Hippómane	723	Illécebrum	196
Híppophæ	745	Illícium	415
Hippúris	53	Impáticus	657
Hólcus	769	Imperatória	226
Holófteum	109	Indigófera	554
Hopéa	572	Inocárpus	334
			ínula

I.

Póa	98	Pýrola	333
Podophýllum	400	Pýrus	381
Poinciána	323		
Polemónium	167		
Poliántnes	265	Q.	
Polycárpon	109	Quássia	327
Polycnénum	77	Quércus	714
Polýgala	524	Quéria	110
Polýgonum	303	Quisquális	329
Polýmnia	645		
Polypódium	800	R.	
Polyprémum	126	Rajánia	750
Polytrichum	812	Rándia	161
Pommeréula	91	Ranúnculus	420
Pontedéria	250	Ráphanus	491
Pópulus	751	Ranvólfia	198
Porána	163	Reaumúria	414
Porélla	810	Reneálmia	54
Portlándia	172	Reféda	365
Portulára	362	Réftio	742
Potamogéton	137	Rétzia	202
Potentilla	389	Rhacóma	129
Potérium	714	Rhámnus	186
Póthos	681	Rheédia	399
Práfiun	447	Rhéum	311
Prémna	459	Rhéxia	288
Prenánthes	586	Rhinánthus	448
Prímula	158	Rhodíola	752
Prínos	270	Rhododéndron	331
Próckia	408	Rhús	230
Proserpínaca	109	Ríbes	192
Profópis	325	Ríccia	820
Protéa	116	Richárdia	270
Prunélla	446	Rícinus	723
Prúnus	378	Ricótia	483
Psídium	376	Risínia	134
Pforálea	560	Rizóphora	359
Pfychótria	173	Robínia	548
Ptélea	131	Roélla	171
Ptéris	796	Rondelétia	172
Pterocárpos	528	Rorídula	194
Pterónia	603	Rófa	387
Pulmonária	153	Rosinarínus	66
Púnica	378	Rótala	77

Rottboéllia	108	Scabríta	121
Royéna	335	Scævola	173
Rúbia	125	Scándix	225
Rúbus	388	Scherárdia	122
Rudbéckia	638	Scheuchzéria	277
Ruellia	467	Schínus	754
Rúmex	274	Schmiedélia	302
Rúmphia	76	Schóenus	84
Rúppia	138	Schrebéra	211
Rúfcus	760	Schrophulária	455
Ruffélia	229	Schwalbéa	449
Rúta	324	Schwénkia	63
		Scíla	261
		Scírpus	87
		Scleránthus	338
		Scólymus	592
		Scopária	129
		Scopólia	677
		Scorpiúrus	550
		Scorzonéra	584
		Scutellária	445
		Secále	106
		Securídaca	527
		Sédum	349
		Seguíeria	409
		Selágo	461
		Selínium	219
		Semecárpus	235
		Sémpervívum	371
		Senécio	618
		Séptas	283
		Serápias	668
		Serpícula	704
		Serióla	591
		Seríphium	652
		Serrátula	593
		Séfamum	467
		Séfeli	226
		Sefúvium	380
		Sheffíeldia	202
		Sibbáldia	242
		Sibthórpia	464
		Sícyos	727
		Sída	509
		Sideri-	
S.			
Sáccharum	91		
Sagína	138		
Sagittária	713		
Salácia	672		
Salicórnia	53		
Sálix	739		
Sálfola	209		
Salvadóra	134		
Sálvia	66		
Sámara	130		
Sambúcus	232		
Sámolus	172		
Sámyda	334		
Sanguinária	400		
Sanguifórba	129		
Sanicula	215		
Sántalum	133		
Santolína	606		
Sapíndus	306		
Saponária	339		
Sáraca	523		
Sárothra	235		
Sarracénia	402		
Saturéja	433		
Satýrium	666		
Saurúrus	283		
Sauvagésia	194		
Saxífraga	336		
Scabiófa	118		

Velézia	211		X.	
Vélla	477			
Verátrum	767	Xánthium		707
Verbáscum	177	Xeránthemum		613
Verbéna	64	Ximénia		292
Verbesína	635	Xylophýlla		233
Verónica	59	Xylópia		678
Vibúrnum	231	Xýris		84
Vícia	545			
Vínca	199		Y.	
Vindéllia	465			
Víola	656	Yúcca		266
Virécta	202			
Víscum	744		Z.	
Vifnéa	370			
Vítex	470	Zámia		792 } 808 }
Vítis	193			
Volkaméria	469	Zannichéllia		693
		Zanónia		748
	W.	Zanthóxylum		746
		Zéa		697
Wachendórfia	83	Zínnia		629
Walthéria	499	Zizánia		711
Weinmánnia	303	Zizóphora		66
Willíchica	77 { 134 }	Zoegéa		640
		Zoftéra		682
Winteriána	361	Zygophýllum		327

Ácinos	Thymus	442
Acicanthéra	Rhexia	288
Acmélla	Spilanthus	598
Adhadóta	Justicia	61
Adiántum	Asplenium	800
Ægilops	Quercus	715
Æginétia	Orobanoche	466
Æthíopis	Salvia	68
Agállocha	Excoecaria	743
Agástachys	Carex	701
Agératum	Achillea	633
Agéria	Pæderota	61
Agnus Castus	Vitex	470
Agrimonoídes	Agrimonia	364
Ahóvai	Corbera	198
Ajácis	Delphinium	411
Aizóon	Sedum	349
Alatérnus	Rhamnus	187
Alcea	Malva	512
Alhági	Hedysarum	551
Alkekéngi	Physalis	179
Alliária	Erysimum	486
Allýsson	Marrubium	439
Álnus	Betula	704
Alopecúrum	Hypnum	817
Alfinástrum	Elatine	307
Altáica	Sibbaldia	242
Alýpum	Globularia	118
Amalágo	Piper	70
Amaranthóides	Axyris	701
Amarélla	Gentiana	213
Amelánchier	Mespilus	381
	Pyrus	382
Amellóides	Cineraria	625
Améllus	Calea	605
	Aster	621
Ámmi	Sifon	223
Ammódytes	Astragalus	559
Amómum	Sifon	223
Ampelóprafum	Allium	254
Amfónia	Fabermontana	201
Anacámpferos	Sedum	349
	Portulaca	362
Anagállis	Veronica	59
	Anánas	

Anáanas	Bromelia	249
Anándria	Tussilago	617
Ánblatum	Lathræa	449
Andráchne	Arbutus	333
Andrógynus	Rufcus	760
Androsæmum	Hypericum	573
Androsáceus	Agaricus	834
Angúina	Trichosanthes	725
Angúria	Cucumis	726
Anísum	Pimpinella	228
Anserína	Potentilla	389
	Antirrhinum	454
Anteuphórbium	Cacalia	599
Anthélmia	Spigelia	161
Ánthora	Aconitum	412
Anthrífcus	Tordylium	217
	Scandix	225
Aparíne	Galium	124
	Valantia	773
Áphaca	Lathyrus	543
Aphtófus	Lichen	824
Ápios	Euphorbia	368
	Glycine	542
Ápula	Myofotis	152
Aquifólium	Ilex	137
Arbor tristis	Nyctanthes	57
Archangélica	Angelica	222
Arctostáphylus	Vaccinium	294
Aréira	Schinus	754
Arenária	Stellaria	344
Argemóne	Papaver	401
Argúfia	Messerschmidia	156
Ária	Crategus	379
Arífarum	Arum	680
Aristélla	Slipa	103
Aritúrus	Scrophularia	456
Armeníaca	Prunus	378
Arméria	Statice	236
	Dianthus	340
	Silene	344
Armorária	Cochlearia	480
Arúncus	Spiræa	386
Asclépium	Thapsia	227
Ascolónicum	Allium	257
	L 11 2	Áscyron

Afcyron	Hypericum	573
Assafœtida	Ferula	221
Asteriscus	Silphium	644
Atamáscó	Amaryllus	253
Athanásíæ	Othonna	648
Atríplícis	Chenopodium	208
Aulbétia	Verbena	65
Aurántium	Citrus	571
Aurícula	Primula	158
	Peziza	836
Auriculária	Hedyotis	121
Avellána	Corylus	716
Azadiráchta	Melia	326
Azárolus	Cratægus	380
Azédarach	Melia	326
B.		
Badúcca	Capparis	399
Bæómyces	Lichen	822
Bæóthryon	Scirpus	88
Balánghas	Sterculia	723
Balfámea	Pinus	718
Balfámina	Impatiens	658
	Momordica	725
Balsamíta	Tanacetum	608
	Chrysanthemum	630
Bálsamum	Toluifera	325
Bámbo	Arundo	105
Barba Jóvis	Anthyllis	537
Barbárea	Eryfinum	486
Báromez	Polypodium	804
Bartrámia	Triumfetta	361
Basílicum	Ocymum	445
Báffii	Ambrosinia	679
Batátas	Convolvulus	163
Beccabúnga	Veronica	59
Béhen	Cucubulus	341
	Silene	342
	Centaurea	641
Belladónna	Atropa	178
	Amaryllis	253
Bellidiástrum	Doronicum	627
	Osmites	639
	Bénghas	

Bénghas	Gluta	673
Benjamína	Ficus	787
Bénzoe	Croton	720
Bénzoin	Laurus	310
	Torminalia	775
Bergána	Erica	294
Bermudínium	Sisyrrinchium	672
Bernárdia	Adelia	759
Bétle	Piper	70
Betónica	Justicia	61
Betúlinum	Ægopricon	695
Béculus	Carpinus	716
Bídens	Coreopsis	638
Bíhai	Heliconia	194
Bilímbi	Averrhoa	348
Bifórtá	Polygonum	304
Blattária	Verbascum	175
Blattarióides	Hieracium	589
Bléchnum	Ruellia	467
Blítum	Amaranthus	710
Bona Nox	Ipomoea	166
	Sinilæx	750
Bonaróta	Pæderota	61
Bónduc	Guilandina	323
Bonduccélla	Guilandina	323
Bonus Henricus	Chenopodium	207
Borbónia	Laurus	310
Bosvalléa	Verbesina	635
Botryápium	Pyrus	382
Bótrys	Chenopodium	208
	Teucrium	431
Bovísta	Lycoperdon	837
Bourrérea	Ehretia	185
Bréynia	Capparis	400
Británnica	Rumex	275
Brizóides	Poa	99
Bruníades	Protea	117
Bryántha	Andromeda	332
Bryópteris	Lycopodium	809
Búceras	Bucida	334
Bulbocástanum	Bunium	218
Bulbocódium	Ixia	78
	Narcissus	252
Búnius	Æthusa	225
	Stilago	

Bursa Pastóris	Stilago	672
	Thlaspi	480
C.		
Caapéba	Cissampelos	758
Cacáo	Theobroma	570
Cájan	Cytisus	547
Caínito	Chrysophyllum	185
Cákile	Bunias	492
Cálaba	Calophyllum	403
Calabúra	Muntingia	402
Calamagnóftis	Agrostis	96
	Arundo	105
Calamíntha	Melissa	443
Cálamus	Acorus	268
Calceolária	Viola	657
Calcéolus	Cypripedium	669
Calcitrápa	Centaurea	643
Caléndula	Arctotis	646
Callicórnia	Leysera	629
Callocócca	Cordia	184
Calýcina	Festugo	102
Cámara	Lantana	459
Cámmarum	Aconitum	412
Campánula	Canarina	271
Campechiánum	Hæmatoxylum	325
Campechiénsé	Solanum	181
Cámphora	Laurus	310
Cándel	Rhizophora	359
Candelábrum	Ceropegia	201
Canélla	Winterana	361
Cannábina	Althæa	510
	Tragia	702
	Urtica	705
	Datisca	755
Cantábrica	Convolvulus	165
Cantaréllus	Agaricus	833
Capíllus Véneris	Adiantum	805
Cappállinum	Rhus	230
Caprifólium	Lonicera	174
Cáput Gállí	Hedysarum	554
Cáput Medúsæ	Euphorbia	366
Caracálla	Phaseolus	539
	Cara-	

Caragána	Robinia	
Carámbola	Averrhoa	548
Carándas	Cariffa	348
Cardamínes	Lepidium	198
Cardamómum	Amonum	479
Cardíaca	Leonurus	52
Cardinális	Lobelia	440
Carduélis	Arctium	654
Carduncéllus	Carthamus	592
Cardúnculus	Cynara	598
Cárica	Ficus	597
Carolínium	Minispermum	787
Caróta	Daucus	755
Carpática	Campanula	218
Carpíneus	Lichen	168
Cáruí	Carum	822
Caryophýllus	Dianthus	228
Caroliniána	Verbena	340
Carpóbolus	Lycoperdon	65
Cascarilla	Croton	837
Cáffia	Laurus	720
Cafsíne	Ilex	310
Caffinóides	Viburnum	137
Castánea	Fagus	231
Catálpa	Bignonia	715
Catáppa	Terminalia	457
Catária	Nepeta	775
Cátechu	Mimosa	434
	Areca	782
Cédrus	Pinus	841
Céiba	Bombax	718
Celófia	Irefine	508
Cémбра	Pinus	747
Centauréum	Centaurea	717
Centauríum	Gentiana	640
Centauróides	Gnicus	213
	Centuaria	596
Cépa	Allium	643
Cepæa	Sedum	256
Cérafus	Prunus	349
Ceratóides	Axyris	378
Ceratónia	Mimosa	701
Cerefólium	Scandix	781
Cérnum	Carpesium	225
		614
		Cérris

Cérris	Quercus	715
Cervéria	Athamanta	219
Cerviána	Pharnaceum	233
Cervicária	Campanula	169
Cervínium	Lycoperdon	837
Céterach	Asplenium	799
Chamæbúxus	Polygalla ^a	525
Chamæcístus	Rhododendron	331
Chamæcrísta	Cassia	322
ChamæCyparíffus	Santolina	606
Chamædrys	Veronica	60
	Teucrium	432
Caamæjáfme	Stellera	301
Chamælea	Tragia	702
Chamæa Méspilus	Mespilus	381
Chamæa Móly	Allium	257
Chamæpithys	Teucrium	431
Chamætyce	Euphorbia	367
Chamcepéuce	Stæhelia	604
Chamoemórus	Rubus	389
Chamomílla	Matricaria	631
Champáca	Michelia	416
Charácias	Euphorbia	369
Charántia	Momordica	725
Cháte	Cucumis	726
Chéiri	Cheiranthus	487
Cheiránthus	Manulea	462
Chenópoda	Marchantia	820
Chína	Smilax	749
Chinénsis	Valeriana	75
Chirónium	Laserpitium	221
Chloróxylon	Laurus ¹	310
Chordorrhíza	Carex	699
Chryfánthum	Rhododendron	331
Chryfógonum	Leontice	263
Chytracúlia	Myrtus	377
Cícer	Astragalus	557
Cícera	Lathyrus	543
Cicorácea	Centauria	643
Cícla	Beta	208
Cinerária	Centaurea	641
Cinnamómum	Laurus	310
Ciftóides	Tribulus	328
Citrúllus	Cucurbita	726

Clandestína	Lathræa	..
Cláva Hérculis	Zanthoxylum	449
Clavénne	Achillea	746
Claytónia	Osmunda	634
Clématis	Mutifia	794
Clýmenum	Lathyrus	637
Cneórum	Convólvulus	544
	Daphne	165
Cóbbe	Rhus	300
Coccífera	Quercus	230
Cóculus	Menispermum	714
Cœli Rófa	Agrostemma	755
Cœcius	Rubus	352
Colicafia	Arum	388
Colocýnthis	Cucumis	680
Cólpoon	Euonymus	726
	Thesium	189
Colubrína	Stychnos	198
Colúrna	Corylus	182
Comaáutea	Chrysocoma	716
Comínia	Rhus	604
Conóides	Silene	230
Confólida	Delphinium	342
Contrajéva	Dorstenia	411
Convólvulus	Polygonum	133
Conyzóides	Ageratum	305
Capállinum	Rhus	603
Coracánu	Cynosurus	230
Corállinus	Lichen	100
Coralloidénum	Erythrina	822
Coralloídes	Clavaria	528
Corallorhíza	Ophrys	836
Cordifólia	Cissus	667
Coriária	Rhus	129
Coríndum	Cardiospermum	230
Córis	Hypericum	306
Coronária	Agrostemma	575
Corónopus	Cochlearia	352
Corylifólia	Pforalea	480
Cóta	Anthemis	561
Cótinus	Rhus	632
Cotoneáster	Mespilus	230
Cótula	Anthemis	381
Cotylédon	Saxifraga	633
	M m m	336
		Cour-

Courbaril	Hymenæa	320
Cracca	Vicia	545
Crísta	Casapina	323
Crísta Castrénfis	Hypnum	816
Crísta Gállí	Rhinanthus	448
	Erithrina	528
	Hedysarum	554
Crocátus	Lichen	824
Crocodylium	Centaurea	643
Crossopétalum	Rhacoma	129
Cruciáta	Valantia	773
Crupína	Centaurea	640
Crux Andréæ	Ascyrum	575
Crux Córvi	Panicum	93
Crux Gállí	Panicum	93
	Cratægus	380
Cúbeba	Piper	70
Cuculária	Valantia	773
Cucullária	Fumaria	523
Cujéta	Crescentia	458
Culílaban	Laurus	310
Cunónia	Antholyza	80
Cuphéa	Lythrum	363
Cúrcas	Jatropha	722
Curúru	Paullinia	305
Cýanus	Centaurea	641
Cycádis	Zamia	808
Cydónia	Pyrus	382
Cymbalária	Antirrhinum	451
Cymínium	Cuminum	224
Cynápium	Æthusa	225
Cynaróides	Protea	116
Cynocrámbe	Theligonum	714
Cynophallóphora	Capparis	400
Cýnops	Plantago	128
Cynósbati	Ribes	193
Cyparíffias	Euphorbia	369
Cytisóides	Anthyllis	537

D.

Dabóecia	Andromeda	332
Dáctylon	Panicum	93
Daléa	Pforalea	561
	Eupa-	

Dalibárda	Eupatorium	601
Damafcéna	Rubus	389
Damafónium	Nigella	413
Dandelión	Alisma	279
Dens Cánis	Tragopogon	583
Dicera	Erythronium	258
Dictámnus	Elæocarpus	404
Diervílla	Origanum	442
Diférmás	Lonicera	175
Dónax	Salvia	67
Dória	Arundo	405
Dorónicum	Senecio	619
Dortmánná	Senecio	620
Dorýcnium	Lobelia	654
	Convolvulus	165
	Lotus	565
Drába	Cochlearia	480
Dráco	Dracæna	264
	Pterocarpos	528
Dracóntium	Arum	679
Dracúnculus	Artemisia	609
	Arum	679
Drakéna	Dorstenia	133
Dryméia	Carex	701
Dryóptéris	Polypodium	804
Dudáim	Cucumis	726
Dulcamára	Solanum	180

E.

éBbenum	Diospyros	783
Ebenus	Aspalathus	532
ébulus	Sambucus	232
Ecbólium	Justicia	61
Echínus	Statice	237
Echioídes	Picris	584
Eglantéria	Rosa	387
Elatérium	Momordica	726
Elatíne	Antirrhinum	451
	Campanula	170
	Restio	742
Elégia	Amyris	291
Elemífera	Mimusops	291
Eléngi	Rhinanthus	448
élephas	Ellisia	

Ellífa	Duranta	469
Elutéria	Clutia	761
Emblica	Phylanthus	703
Embolus	Mucor	838
Émerus	Coronilla	549
Endívia	Chicoreum	592
Ephémerum	Lyfimachia	160
Epidéndrum	Lycoperdon	837
Epiglóttis	Astragalus	558
Epipáctis	Astrantia	215
Epipogium	Satyrium	666
Epithimum	Cuscuta	136
Eragróftis	Poa	99
	Brizia	100
Erinácea	Anthyllis	537
Erínus	Campanula	171
	Lobelia	655
Eriópila	Duroia	273
Erisithales	Cnicus	596
Erúca	Brassica	490
Erucágo	Bunias	492
Erucástrum	Brassica	490
Eruláceum	Laserpitium	221
Ervíla	Ervum	546
Eryfíphe	Mucor	838
Erythrína	Piscidia	529
Esculus	Quercus	715
Esúla	Euphorbia	369
Euódia	Fagara	131
Eupatória	Agrimonia	364
Eupatorióides	Kuhnia	175
Eutáda	Mimosa	780
Exacóides	Gentiana	213

F.

Fába	Vicia	546
Fabágo	Zygophyllum	327
Fabárius	Cucubalus	341
Fagíneus	Lichen	822
Fagopýrum	Polygonum	305
Falcária	Sium	223
Falcáta	Adenantha	325
Falx	Melica	98

Fárfara	Tuffilago	617
Farfétia	Cheiranthus	487
Fávus	Boletus	834
Ferulágo	Ferula	221
Ficária	Ranunculus	420
Ficoídes	Calcarea	599
Fícus Índica	Caetus	376
Filipéndula	Spiræa	386
Fílax Mas.	Polypodium	803
— Fœmina	Polypodium	803
Fílum	Fucus	829
Fístula	Cassia	322
Flámmula	Clematis	418
	Ranunculus	420
Flávium	Allium	255
Flos Acris	Épidendrum	670
Flos Áquæ	Byffus	832
Flos Cúculi	Lychnis	352
Flos-Jóvis	Agrostemma	352
Foenículum	Anthemum	228
Fœnum Græcum	Frigonella	565
Frángula	Rhamnus	187
Friféa	Thefium	197
Fumána	Ciftus	407

G.

Galáctia	Mariana	542
Galánga	Maranta	52
	Kaempferia	53
Galáxia	Ixia	79
Gálbanum	Bubon	224
Gále	Myrica	745
Galeóbdolon	Galeopsis	438
Geniftoídes	Sophora	319
Gentianóides	Sarothra	235
Gerafcánthus	Cordia	184
Gerbéra	Arnica	627
Géum	Saxifraga	337
Gingídium	Daucas	218
Githágo	Agrostemma	352
Gláucium	Chelidonium	401
Glaux	Astragalus	558
Gloriófa	Yucca	266

Gmelíne	Cortufa	158
Gnémon	Hieracium	588
Gnídia	Gnetum	724
Gnídium	Passerina	302
Granátum	Daphne	300
Grandarúca	Punica	378
Gránun Paradífi	Justicia	62
Grossulária	Amomum	52
Grossularioides	Ribes	193
Grýllus	Melaftoma	330
Guazúma	Andropogon	768
Gúttá	Theobroma	570
	Cambogia	402
H.		
Halicácaba	Erica	294
Halicácabum	Cardiospermum	306
Halimóides	Portulaca	362
Hálimus	Atriplex	774
Halléri	Arabis	489
Halodéndron	Robinia	548
Hármala	Peganum	361
Háspan	Cyperus	86
Hedýpnois	Hyoseris	59
Heistéria	Polygala	525
Helénium	Inula	625
Heleonástes	Carex	699
Heliánthemum	Cistus	408
Hélix	Hedera	193
	Salix	740
Hemionítis	Asplenium	799
Hepática	Anemone	416
Hérba Vénti	Phlomis	441
Hieracioides	Picris	584
Híppo-cástanum	Æsculus	282
Híppo-máxathum	Sefeli	226
Hirculus	Saxifraga	337
Holoschóenus	Scirpus	88
Holóstea	Stelleria	344
Hormínium	Salvia	67
Hóspita	Kleinhovia	677
Hyacinthoides	Aletris	266
Hybánthus	Viola	657
	Hydnóra	

Hydnóra	Aphyteia	
Hydrópiper	Polygonum	499
	Elatine	304
Hypericoídes	Afcyrum	307
Hypnoídes	Bryam	575
Hypocíftis	Cytinus	814
Hypoglóffum	Rufcus	678
Hypophyllocarpodéndrum	Protea	760
Hypophýllum	Rufcus	116
Hypópithys	Monotropa	760
Hypóxilon	Clavaria	328
Hyllópifólia	Lythrum	836
Hýfteróphorus	Parthenium	363
	Ariftida	708
Hýftrix	Elymus	106
	Barleria	106
	Apalathus	468
		533

I.

Jabotápita	Ochna	403
Jácea	Centaurea	641
Jacobæa	Senecio	619
Jalápa	Convolvulus	164
	Mirabilis	176
Jánipha	Jatropha	722
Jámbos	Eugenia	376
íberis	Lepidium	479
Icágo	Chryfobalanus	379
ílex	Quercus	714
ínga	Mimofa	779
Inophýllum	Calophyllum	403
Infcetórius	Rhamnus	186
íntfia	Mimofa	781
íntybus	Cichoreum	592
Jolíthus	Byffus	832
Jonquílla	Narciffus	252
Jonthláspi	Clypeola	482
Ipecacuánhæ	Euphorbia	367
	Viola	657
íria	Cyperus	86
írio	Sifymbrium	486
Ifcháemum	Andropogon	769
ífora	Helicteres	678
	Jujúba	

Jujúba	Rhamnus	187
Julácea	Jungermannia	819
Juláceum	Hypnum	817
Juliána	Satureja	433
Júncea	Coronilla	549
Jungermánia	Mnium	813
Junipérinus	Lichen	823
Íva	Teúcrium	431
Íxina	Crameria	134
K.		
Káki	Diospyros	783
Káli	Salfola	209
Kálmanum	Hypericum	573
Kálmii	Hieracium	589
	Lobelia	654
Kánki	Mimusops	291
Káratas	Bromelia	249
Kéinia	Cacalia	599
Kolpínia	Lapsana	592
L.		
Láblab	Dolichos	540
Labrúfca	Vitis	193
Labúrnum	Cytifus	547
Laccíferum	Croton	721
Lácryma Jóbi	Coix	698
Ládanum	Galeopsis	438
Lagópus	Plantago	128
Lántanum	Viburnum	231
Lapathifólium	Polygonum	304
Láppa	Arctium	592
Lappáceum	Nephelium	707
Láppula	Myofotis	152
	Triumfetta	361
Lárix	Pinus	718
Láthyris	Euphorbia	367
Lathyroídes	Orobus	543
	Vicia	545
Lauréntia	Lobelia	655
Lauréola	Daphné	299
Láuro-Cérafus	Prunus	378
	Lavé-	

Lavénia	Verbesina	634
Lebbék	Mimosa	780
Leņs	Ervum	546
Lentágo	Rhus	231
Lentífcus	Pistachia	746
Leonítis	Phlomis	441
Leontopetalóides	Leontice	363
Leontopétalum	Leontice	363
Leontopódium	Filago	650
Leonúrus	Phlomis	441
Lepidocarpodéndron	Protea	116
Leptáurea	Zoegea	640
Leptóstachys	Carex	701
Leucadéndron	Melaleuca	572
Leucánthemum	Chrysanthemum	630
Leucoglóchin	Carex	699
Leucóxylon	Bignonia	457
	Vitex	470
Levisánuş	Protea	116
Levísticum	Ligusticum	222
Libanótis	Athamanta	219
	Cachrys	220
	Cistus	406
Lichenóides	Mucor	837
Lígtá	Alstroemeria	267
Linophýllum	Thesium	197
Liliágo	Anthericum	262
Liliálátrum	Anthericum	262
Lilio-hyacínthus	Scilla	261
Lúna	Cynofurus	100
Limónia	Campanula	170
Limónium	Statice	236
Linária	Antirrhinum	453
Lingúa	Ranunculus	420
	Othonna	648
	Serapios	668
Linóides	Chironia	184
Linósyris	Chryfocoma	605
Línium-Stellátum	Lyfimachia	160
Línza	Ulva	831
Líppii	Cistus	408
Lobélia	Scævola	173
Locúfta	Valeriana	75
Loesélii ?	Sifymbrium	486
	N n n	Lon-

Lonchítis	Polypodium	802
Loniceróides	Loranthus	271
Lopánthus	Hylfopus	433
Lótus	Rhamnus	187
	Nymphæa	402
Lucídor	Diospyros	783
Lúffa	Antholyza	80
Lunária	Momordica	725
	Rumex	275
Lupináster	Osmunda	793
Lúpulus	Trifolium	561
Lutéola	Humulus	748
Lychnídea	Reseda	365
Lychnítis	Erinus	463
	Verbaſcum	177
Lýcina	Phlomis	440
Lycóſtomum	Juniperus	758
Lycopérficum	Aconitum	412
Lygíſtum	Solanum	180
	Petefia	126

M.

Mahágoni	Swietiana	326
Maháleb	Prunus	378
Majorána	Origanum	442
Malabáthrica	Melaſtoma	330
Malacodéndron	Stewartia	516
Malácoídes	Malope	513
Malamíris	Piper	70
Malocócça	Grewia	679
Málus	Pyrus	381
Malavíſcus	Hibiſcus	514
Mancinélla	Hippomane	723
Mandrágora	Atropa	178
Mánghas	Cerbera	198
Mángle	Rhizophora	360
Mangoftána	Garcinia	360
Mangoftánuſ	Amaranthus	709
Mánihot	Hibiſcus	515
	Jatropha	722
Máppa	Ricinus	723
Marántæ	Acroſticum	796
Marántina	Globba	69
	Mari-	

Mariána	Clitoria	
Mariánus	Carduus	542
Marífcus	Schoenus	595
Mármelos	Cratæva	84
Mártagon	Lilium	361
Máru	Origanum	257
Marubiástrum	Leonurus	442
Márum	Teucrium	440
Mastíchina	Thymus	432
Matrélla	Agrostis	443
Máura	Antholiza	96
Maurocénia	Cassine	80
Max	Phaseolus	232
Máys	Zea	539
Meádia	Dodecatheon	697
Médium	Convolvulus	158
	Campanula	163
Meleágris	Fritillaria	169
Melánium	Lythrum	258
Melanóphleus	Syderoxylon	363
Méilot	Trifolium	186
Melíttifolia	Besleria	561
Mélo	Cucumis	455
Melocástus	Cactus	726
Melóngena	Solanum	375
Melópepo	Cucurbita	180
Mercuriális	Tragia	726
Meriána	Antholyza	702
Merianélla	Antholyza	80
Métel	Datura	80
Metópium	Rhus	177
Méum	Æthusa	230
Mezéreum	Daphne	225
Micránthus	Rhamnus	299
Mírococos	Grewia	186
Micheliánus	Scirpus	679
Miliáceus	Scirpus	89
Milleflórum	Gnaphalium	89
Millefólium	Achillea	612
Mítira	Helyella	634
Mitréola	Ophiorrhiza	836
Mnematóia	Ehrharta	161
Mokúfin	Phallus	273
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Mólle	Schinus	754
Mollúgo	Galium	123
Móly	Allium	256
Móly chamæ	Allium	257
Mómbim	Spondias	348
Monniéria	Gratiola	63
Monórchis	Ophrys	667
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Morínga	Guilandina	323
Mório	Orchis	664
Mórfus Ránæ	Hydrocharis	753
Mofchatéllina	Adoxa	307
Mofchéutos	Hibiscus	514
Mucéda	Mucor	838
Mullúgo	Pharnaceum	233
Múngo	Phaseolus	539
Múngos	Ophiorrhiza	161
Múrex	Pedaliium	471
Murucúja	Passiflora	674
Muscári	Hyacinthus	266
Muscípula	Dionæa	329
Muffénda	Gardenia	199
Mutellína	Phellandrium	224
Myrobálanus	Spondias	348
Myrsínites	Euphorbia	369
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Mýftax	Hugonia	502
Myúrus	Manisuris	772
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Napéllus	Aconitum	412
Nápus	Brassica	490
Nárdus	Andropogon	769
Nastúrtium	Sysymbrium	485
Nátrix	Ononis	536
Negúndo	Vitex	470
	Acer	776
Nelúmbo	Nymphæa	402
Nemolápathum	Rumex	275
Népetá	Melissa	443
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Nigrína	Gerardia	451
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Nirúri	Phylanthus	703
Níflóla	Lathyrus	543
Níffoliána	Vicia	545
Níffoliánum	Teucrium	431
Nóbla	Phyllis	214
Noli tángere	Impatiens	658
Nóstoc	Tremella	827
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Nummulárla	Lyfimachia	160
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óculus Christi	Inula	625
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Oenothéræ	Geranium	506
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Oleóides	Rhamnus	186
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Onobrychis	Hedysarum	553
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Ophioglossóides	Clavaria	836
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ópulus	Viburnum	231
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Orchióides	Hyacinthus	266
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Orientále	Sicymbrium	486
órnus	Fraxina	783
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órvala	Lanium	437
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Ostrúthium	Imperatoria	226
ósfrya	Carpinus	716
Otítes	Cucubalus	342
	Polypodium	801
Oxycédrus	Juniperus	758
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Paliúrus	Rhamnus	187
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Paréllus	Lichen	822
Paronychia	Illecebrum	196
Párra	Sisymbrium	486
Parfónsia	Lythrum	363
Parthénium	Matricaria	631
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Phéllos	Quercus	714
Phelypæa	Lathræa	449
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Phyllánthus	Cactus	376
Phyfódes	Erica	296
Phytéuma	Reseda	365
	Lobelia	654
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Píceæ	Pinus	718
Picróides	Scorzonera	584
Pilosélla	Hieracium	587
Piménta	Myrtus	377
Pimpinelloídes	Sefeli	226
Pínea	Euphorbia	368
	Pinus	717
Pinéti	Helvella	836
Pínguín	Bromelia	249
Piperélla	Thymus	442
Piperíta	Fagara	130
Pistolóchia	Aristolochia	676
Pitajáya	Cactus	375
Pithyúfa	Euphorbia	368
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Pneumonánthe	Gentiana	212
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Pólitum	Teucrium	433
Polluéria	Pyrus	381
Polygónatum	Convallaria	265
Polytrichoídes	Mnium	813
Porophýllum	Cacalia	600
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Pontána	Hypóchæris	591
Pórrum	Allium	254
Pórtula	Peplis	272
Portulacária	Claytonia	194
Portulacástrum	Sesuvium	380
Portulacóides	Atriplex	774
Posopófa	Carica	753
Potatórum	Strychnos	182
Prínus	Quercus	715
Prionítis	Barleria	468
Prótium	Amyris	292
Pféudo-Acácia	Robinia	548
Pféudo-Acimélla	Spilanthus	598
Pféudo-Acórus	Iris	81
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Pseudo-Chína	Senecio	618
	Smilax	750
Pseudo-Cypérus	Carex	700
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Pseudó-Pithys	Teucrium	431
Pseudo-Plátanus	Acer	776
Pseudo-Psíidium	Eugenia	377
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Psýllium	Plantago	128
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Pteránthus	Camphorosma	135
Pterocéphala	Scabiosa	120
Pteróta	Fagara	130
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Quámoclit	Ipomoea	166
Quércinus	Agaricus	834

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Rápa	Brassica	498
Raphanístrum	Raphanus	491
Rapunculóides	Campanula	169
Rapúnculus	Campanula	168
Rhabárbarum	Rhus	311
Rhagadiolóides	Hyoseris	591
Rhagadiólus	Lapsana	592
Rhamonóides	Hippophæ	745
Rhapóntica	Centaurea	642
Rhapónticum	Rheum	311
Rhóeas	Papaver	401
Ríbes	Rheum	311
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Rícino-carpos	Croton	721
Rindéra	Cynoglossum	154
Rinocerótis	Stoebe	652
Rítro	Echinops	657
Róbur	Quercus	715
Roccólla	Lichen	826
Rosa Sinénfis	Hibiscus	514
Rósea	Rhodiola	752
Rótang	Calamus	268
Rothmánnia	Gardenia	199
Royéni	Codon	324
	Cactus	375
Róyoc	Morinda	175
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Sálfula	Phaca	556
Sámbac	Nyctanthes	57
Sambúcina	Aquilicia	193
Sanguifórba	Poterium	714
Satolínus	Pterocarpos	528
Santolína	Achillea	633
Satónica	Artemisia	608
Saponária	Gentiana	212
	Sapindus	306
Sápota	Achras	270
Sappán	Cæsalpina	323
Sarcocólla	Penæa	126
Sarcocómphalus	Rhamnus	186
Sarsaparílla	Similax	749
Sássafras	Laurus	310
Saxífraga	Pimplnella	228
	Gypsophyla	339
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Saxífragus	Cucubalus	342
Scabiófa	Centaurea	641
Scammónia	Convolvulus	163
Scarióla	Lactuea	586
Scéptrum	Digitalis	457
Scéptrum Caroliánum	Pedicularis	450
Scéptrum Gustaviánum	Protea	117
Scherardiána	Malva	511
Schinoídes	Schrebera	211
Schobéri	Nitraria	362
Schoenánthus	Andropogon	769
Schoenóides	Phleum	95
Schoenóprafum	Allium	256
Scilláris	Ixia	79
Sciuroídes	Hypnum	817
Scolopéndrium	Asplenium	799
Scólymus	Cynara	596
Scopária	Chenopodium	208
	Melaleuca	572
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Scordioides	Sideritis	435
Scordíum	Teucrium	432
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Scorodóprafum	Scorularia	455
Scórpíus	Allium	255
Scúrrula	Spartium	529
Sebesténa	Loranthus	271
Secálinus	Cordia	184
Secamóne	Bromus	102
Securídica	Pepiploca	204
Sedóides	Coronilla	549
Selágo	Penthorum	350
Sénega	Lycopodium	809
Sénegal	Polyala	526
Sénna	Mimosa	781
Seriána	Cassia	322
Séridis	Paullinia	305
Serpentária	Centaurea	642
Serpýllum	Aristolochia	676
Serrária	Thymus	442
Sefamoídes	Protea	116
Séiban	Refeda	365
Sicyoídes	Æschynomene	550
Siláus	Cissus	129
Síler	Peucedanum	220
Síliqua	Laserpitium	221
Siliquástrum	Ceratonia	786
Simáruba	Cercis	320
Siríboa	Zygophyllum	327
Sífarum	Piper	70
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Smilácina	Salvia	68
Sóda	Cissampelos	758
Sója	Salfosa	209
Solanácea	Dolichos	541
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Soldanélla	Hydrocotyle	215
Sophéra	Convolvulus	165
Sóphia	Cassia	322
Sórghum	Sisymbrium	486
Spadícea	Holcus	770
Sparganophora	Festuca	101
Spéculum	Ethulia	601
Spélta	Campanula	170
Sphondýlium	Triticum	107
	Heracleum	222
	O o o 2	Spíca

Spíca	Lavandula	435
Spícant	Osmunda	794
Spina Chrísti	Rhamnus	187
Squamaria	Lathræa	499
Squarrófa	Ægilops	772
Stáchydis	Pforalea	560
Stæchas	Gnaphalium	610
Stæhelína	Xeranthemum	614
Staphiságría	Delphinium	412
Stélis	Loranthus	271
Stoébe	Centaurea	641
Stoéchas	Lavandula	435
Stramónium	Datura	177
Straiótes	Piftia	677
Stróbus	Pinus	717
Struthiópteris	Osmunda	794
Strúthium	Gypsophila	339
Styracíflua	Liquidambar	717
Styracifólium	Hedysarum	551
Súber	Quercus	714
Succífa	Scabiosa	119
Supranúlium	Spartium	530
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Tágera	Cassa	321
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Tamariscí	Jungermannia	819
Tanarius	Ricinus	723
Tápia	Cratæva	361
Taráxaci	Hieracium	587
Taráxacum	Leontodon	587
Tartonráira	Daphne	299
Tátula	Datura	177
Tazétta	Narcissus	252
Telphióides	Andrachne	728
Teléphium	Sedum	349
Tenagéia	Juncus	269
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Ternatéa	Clitoria	542
Terebínthus	Pistachia	746
Tetragonothéca	Polymnia	645
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Thalictróides	Anemone	418
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Thapsoídes	Verbascum	177
Tháptus	Verbascum	177
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Thevétia	Cerbera	198
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Thumbérgia	Gardenia	199
Thýmbra	Satureja	433
Thymelæa	Daphne	299
Thymifólia	Lythrum	363
Thyóides	Cupressus	718
Tíglium	Croton	721
Tínus	Viburnum	231
Tirucálli	Euphorbia	366
Tithymalóides	Euphorbia	366
Tóra	Cassia	321
Tótta	Protea	116
Tournefórtii	Gundelia	651
Toxicodéndron	Rhus	230
Trachélium	Campanula	169
Tragacántha	Astragalus	559
Tragódes	Fagara	130
Tragoríganum	Thymus	443
Trágus	Salfosa	209
Trichómanes	Asplenium	800
Trichomanóides	Asplenium	799
Triónum	Hibiscus	515
Tripólium	Aster	621
Trípteris	Valeriana	75
Trixágo	Rhinanthus	448
Troglodytáyrum	Musa	767
Tsiámpaca	Michelia	416
Túber	Lycoperdon	837
Tuberária	Cistus	407
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Túna	Cactus	376
Túpa	Lobelia	654
Túrbitĥ	Sefeli	226
Turpéthum	Convolvulus	164
Turríta	Arabis	489
Typhalæa	Urena	513
Týphinum	Rhus	230

U.

Ulmária	Spiræa	386
Una Crísĥa	Ribes	193
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únguís Cátĭ	Mimosa	
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Urtícæ	Begonia	703
usnea	Lichen	714
Uva Urſi	Arbutus	826
Uvária	Aletris	333
Uvedália	Polymnia	266
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V.

Vaccária	Saponaria	339
Valentína	Coronilla	549
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Valerándĭ	Samolus	172
Vanílla	Epidendrum	669
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Verbenáca	Salvia	67
Verbésĭna	Cotula	631
Vérnix	Rhus	230
Verútum	Centaurea	643
Veficária	Alyſſum	482
	Brassica	490
Viſtoríalis	Allium	254
Vincetóxicum	Aſclepias	206
Viórna	Clematis	418
Virgáurea	Solidago	624
Virgínicum	Lepidium	479
		Viſcá-

Viscária	Lychnis	352
Vishága	Daucus	218
Vitálba	Clematis	418
Vitálióna	Aretia	157
Vitecélla	Clematis	418
Vitis Idáea	Vaccinium	294
Vulnerária	Anthyllis	537
Vulpína	Vitis	194
Vulvária	Chenopodium	208

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Wedélia	Polymnia	645
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Zeócrithon	Hordeum	107
Zerúmbet	Amomum	52
Zeugítes	Apluda	770
Zeyláica	Nama	211
Zibethínus	Durio	572
Zíngiber	Amomum	52
Zízyphus	Rhamnus	187
Zuzýgium	Myrtus	377
Zýgis	Thymus	442



A N
ALPHABETICAL CATALOGUE
O F
ENGLISH AND SCOTCH NAMES
O F
P L A N T S,

FROM THE MOST APPROVED BOTANICAL WRITERS,

REFER'D TO THEIR RESPECTIVE GENERA.

N. B. *The Latin names in common use, as Anemone, Angelica, Azalea, &c. are not inserted in this catalogue (as they are to be found in the preceding Indexes) except where they have by custom been misapply'd; as Althæa frutex for Hibiscus, and wild Angelica for Aegopodium.*

THE UNIVERSITY OF CHICAGO

PHYSICS DEPARTMENT

PHYSICS 309

LECTURE NOTES

BY

PROFESSOR

1962

ENGLISH AND SCOTCH NAMES

O F

P L A N T S.

A.

Abele, *Populus*
 Abelmofk, *Hibiscus*
 Acacia, *Mimosa*
 Acacia, false, *Robinia*
 Acacia, German, *Prunus*
 Acacia, three-thorned, *Gleditsia*
 Acajou, *Anacardium*
 Aconite, *Aconitum*
 Aconite, Winter, *Helleborus*
 Adam's Apple, *Citrus*
 Adam's Needle, *Yucca*
 Adder's-wort, *Polygonum*
 Adder's Tongue, *Ophioglossum*
 Adragant, Gum, see *Tragacanth*
 Agaric, *Agaricus*
 Agnus castus, *Vitex*
 Agrimony, *Agrimonia*
 Agrimony, Hemp, *Eupatorium*
 Agrimony, Bastard Hemp, *Ageratum*
 Agrimony, Naked-headed Hemp, *Verbesina*
 Agrimony, Water Hemp, *Bidens*
 Ague Tree, *Laurus*
 Aikraw, *Lichen serob*

Alaternus, Bastard, *Phylica*
 Alder, *Betula*
 Alder, Black or Berry-bearing, *Rhamnus*
 Ale-cost, *Tanacetum*
 Ale-hoof, *Glechoma*
 Alexanders, *Smyrnum*
 Alkali, *Salicornia*
 Alkanet, *Lithospermum*
 Alkekengi, *Physalis*
 All-good, *Chenopodium*
 All-heal, Clowns, *Stachys*
 All-heal, Hercules's, *Pastinaca*
 All-heal, Hercules's, *Heracleum*
 All-seed, *Linum*
 All-spice, *Myrtus*
 Alligator Pear, *Laurus*
 Almond, *Amygdalus*
 Almond, African, *Brabejum*
 Almond, Ethiopian, *Brabejum*
 Aloe, American, *Agave*
 Aloe, Water, *Stratiotes*
 Althæa frutex, *Hibiscus*
 Alysson, Rough-leaved, *Subularia*
 Amaranth, *Amaranthus*
 Amaranth, Globe, *Gomphrena*
 Amber Tree, *Anthospermum*

ENGLISH AND SCOTCH NAMES.

- Amellus of Virgil, *Aster*
 Amomum Plinii, *Solanum*
 Amomum, German, *Sison*
 Ananas, *Bromelia*
 Angelica, Berry-bearing, *Aralia*
 Angelica, Wild, *Aegopodium*
 Angelica Tree, *Aralia*
 Anise, *Pimpinella*
 Anotta, *Bixa*
 Apeiba of the Brasilians, *Sloanea*
 Apple, *Pyrus*
 Apple, Adam's, *Citrus*
 Apple, Blad, *Caëtus*
 Apple, Custard, *Annona*
 Apple, Love, *Solanum*
 Apple, Mad, *Solanum*
 Apple, Male Balsam, *Momordica*
 Apple, May, *Podophyllum*
 Apple, Pine, *Bromelia*
 Apple, Purple, *Annona*
 Apple, Soap, *Sapindus*
 Apple, Sour, *Annona*
 Apple, Star, *Chrysohyllum*
 Apple, Sugar, *Annona*
 Apple, Sweet, *Annona*
 Apple, Thorn, *Datura*
 Apple, Water, *Annona*
 Apricot, *Prunus*
 Arbor Vitæ, *Thuja*
 Arbutus, Trailing, *Epigæa*
 Arcel, *Lichen omph*
 Ar-nuts, *Avena clet*
 Archangel, *Lamium*
 Archangel, Baulm-leav'd, *Melittis*
 Archangel, Yellow, *Galeopsis*
 Arrowhead, *Sagittaria*
 Arrow-headed Grass, *Triglochin*
 Arrow-root, Indian, *Maranta*
 Arse-smart, *Polygonum*
 Artichoke, *Cynara*
 Artichoke, Jerusalem, *Helianthus*
 Arum, African, *Calla*
 Arum, Floating, *Orontium*
 Asarabacca, *Asarum*
 Ash, *Fraxinus*
 Ash, Mountain, *Sorbus*
 Ash. Poison, *Rhus*
 Ash-weed, *Aegopodium*
 Asparagus, Climbing, African
Medeola
 Asp, or Aspen Tree, *Populus*
 Asphodel, *Asphodelus*
 Asphodel, African, *Anthericum*
 Asphodel, Lily, *Hemerocallis*
 Asphodel, Lily, *Crinum*
 Asses Cucumber, *Momordica*
 Atamasco Lily, *Anaryllis*
 Avens, *Geum*
 Avocado Pear, *Laurus*
 Auricula, *Primula*
 Auricula, Borrage-leav'd, *Ver-
 bascum*
 Ax-vetch, see Hatchet-vetch
 Azarole, *Cratægus*
 Azerira, *Prunus*.

B.

- Balauftine, *Punica*
 Balm, see Baulm
 Balm of Gilead, false, *Dracocer-
 phalon*
 Balsam, *Impatiens*
 Balsam of Tolu, *Toluifera*
 Balsam Apple, Male, *Momordica*
 Balsam Tree, *Clusia*
 Balsam Tree, *Pistacia*
 Balsam Tree, *Copaifera*
 Balsamine, Female, *Impatiens*
 Bambu Cane, *Aruudo*
 Banana, *Musa*
 Bane-berries, *Aëæa*
 Banian Tree, *Ficus*
 Bark, True Jesuit's, *Cinchona*
 Bark, False Jesuit's, *Iva*
 Bark, Ilathera, *Clusia*
 Bark, Winter's, *Laurus*
 Barley, *Hordeum*.

Barren-

ENGLISH AND SCOTCH NAMES.

- Barren-wort, *Epimedium*
 Base-tree Trefoil, *Cytisus*
 Basil, *Ocimum*
 Basil, Field, *Clinopodium*
 Bahl, American Field, *Monarda*
 Basii, Syrian Field, *Ziziphora*
 Basil, Stone, *Thymus*
 Basii, Wild, *Thymus*
 Batchelor's Buttons, *Lychnis*
 Batchelor's Pear, *Solanum*
 Baulm, *Melissa*
 Baulm, Bastard, *Melittis*
 Baulm, Moldavian, *Dracocephalum*
 Baulm, Molucca, *Moluccella*
 Baulm, Turkey, *Dracocephalum*
 Bay, *Laurus*
 Bay, Loblolly, *Gordonia*
 Bay, Rose, *Nerium*
 Bay, Dwarf Rose, *Rhododendrum*
 Bay, Mountain Rose, *Rhododendrum*
 Bay, Sweet-flowering, *Magnolia*
 Bay Plumb, *Psidium*
 Bead Tree, *Melia*
 Bean, *Vicia*
 Bean, Bog, *Menyanthes*
 Bean, white, *Cratægus*
 Bean, Kidney, *Phaseolus*
 Bean Tree, Kidney, *Glycine*
 Bean Tree of America, *Erythrina*
 Bean Tree, Binding, *Mimosa*
 Bean Caper, *Zygophyllum*
 Bean Trefoil, *Cytisus*
 Bean Trefoil, Stinking, *Anagyris*
 Bear-berries, *Arbutus*
 Bear-bind, *Convolvulus*
 Bear's-breach, *Acanthus*
 Bear's-ear, *Primula*
 Bear's-ear Sanicle, *Cortusa*
 Bear's-foot, *Helleborus*
 Beard, Old Mar's, *Clematis*
 Beech, *Fagus*
 Beet, *Beta*
 Bee-flower, *Ophrys*
 Behen, White, *Cucubalus*
 Bell-flower, *Campanula*
 Bells Canterbury, *Campanula*
 Bedstraw, *Galium*
 Bell-Pepper, *Capsicum*
 Belladonna Lily, *Anaryllis*
 Belvidere, *Chenopodium*
 Bellyach-weed, *Jatropha*
 Benjamin Tree, *Laurus*
 Bennet, Herb, *Geum*
 Berberry, *Berberis*
 Bermudiana, *Sisyrinchium*
 Betony, *Betonica*
 Betony, Paul's, *Veronica*
 Betony, Water, *Scrophularia*
 Big, *Hordeum*
 Bilberry, *Vaccinium*
 Bindweed, *Convolvulus*
 Bindweed, Black, *Tamus*
 Bindweed, Rough, *Smilax*
 Birch, *Betula*
 Birch of Jamaica, *Pistacia*
 Bird-cherry, *Prunus*
 Bird Pepper *Capsicum*
 Bird's Eye, *Adonis*
 Bird's Foot, *Ornithopus*
 Bird's Foot Trefoil, *Lotus*
 Bird's Nest, *Ophrys*
 Bird's Nest, Purple, *Orchis*
 Birk, *Betula*
 Birth-wort, *Aristolochia*
 Bishop's-weed, *Ammi*
 Bistort, *Polygonum*
 Bitter-gourd, *Cucumis*
 Bitter-sweet, *Solanum*
 Bitter-vetch, *Ervum*
 Bitter-vetch, *Orobus*
 Bitter-vetch, Jointed podded,
 Ervum
 Bitrer-wort, *Gentiana*
 Blackberry, *Rubus*
 Blad Apple, *Caſus*
 Bladder Nut, *Staphylæa*
 Bladder Nut, African, *Royena*
 Bladder

ENGLISH and SCOTCH NAMES.

- Bladder Nut, Laurel-leaved, *Ilex*
 Bladder Senna, *Colutea*
 Bladder Senna, Jointed podded,
Coronilla
 Blessed Thistle, *Cnicus*
 Blindman's Ball, *Lycoperdon bov*
 Blinks, *Montia*
 Blite, *Blitum*
 Blite, *Amaranthus*
 Blood-flower, *Hæmanthus*
 Blood-wood, *Hæmantoxylon*
 Blood-wort, *Rumex*
 Blue-bonnets, *Centaurea cyan*
 Blue-bottle, *Centaurea*
 Bogbean, *Menyanthes*
 Bogberries, *Vaccinium*
 Bogwhorts, *Vaccinium*
 Bonduc, *Guilandina*
 Bonnet Pepper, *Capsicum*
 Bore-cole, *Brassica*
 Borrage, *Borrage*
 Bottle-flower, *Centaurea*
 Box, *Buxus*
 Box, African, *Myrsine*
 Box, Low, *Polygala*
 Boxthorn, *Lycium*
 Brackens, *Pteris*
 Brakes, *Pteris*
 Bramble, *Rubus*
 Brank, *Polygonum*
 Brank Ursine, *Acanthus*
 Brasletto, *Cæsalpina*
 Break-stone, *Saxifraga*
 Break-stone, Parsley, *Aphanes*
 Briar, Sweet, *Rosa*
 Briar, Wild, *Rosa*
 Brimstone-wort, *Peucedanum*
 Bristol, Flower of, *Lychnis*
 Broccoli, *Brassica*
 Brooklime, *Veronica*
 Broom, *Spartinum*
 Broom, African, *Aspalathus*
 Broom, Dyer's, *Genista*
 Broom, Dwarf, *Genista*
 Broom, Single-seeded, *Genista*
 Broom Rape, *Orobanchæ*
 Broom Rape, with great Purple
 Flowers, *Lathræa*
 Brown-wort, *Scrophularia*
 Brown-wort, *Prunella*
 Bryony, *Bryonia*
 Bryony, Black, *Tamus*
 Buckler, Mustard, *Biscutella*
 Bucks-horn Plantain, *Plantago*
 Bucks-horn, Warted, *Cochlearia*
 Buck-thorn, *Rhamnus*
 Buck-thorn, Sea, *Hippophaë*
 Buck-wheat, *Polygonum*
 Bugbane, see Bogbean
 Bugle, *Ajuga*
 Buglofs, *Anchusa*
 Buglofs, Small wild, *Asperugo*
 Buglofs, Viper's, *Echium*
 Bullace Tree, *Chrysophyllum*
 Bullace Tree, *Prunus*
 Burdock, *Arcium*
 Burdock, Lesser, *Xanthium*
 Bur-Marygold, *Bidens*
 Burnet, Garden, *Poterium*
 Burnet, Greater wild, *Sanguisorba*
 Burnet Saxifrage, *Pimpinella*
 Burning thorny Plant, *Euphorbia*
 Bur Reed, *Sparganium*
 Butcher's-Broom, *Ruscus*
 Butter Burr, *Tussilago*
 Butter-cups, *Renunculus bulb*
 Butter-wort, *Pinguicula*
 Button Tree, *Conocarpus*
 Button Weed, *Spermacoce*
 Button Wood, *Cephalanthus*

C.

- Cabbage, *Brassica*
 Cabbage, Dog's, *Theligonum*
 Cabbage, Sea, *Crambe*
 Cabbage Tree, *Cacalia*
 Calabash, *Cucurbita*
 Calabash Tree, *Crescentia*
 Calamint,

ENGLISH AND SCOTCH NAMES.

- Calamint, *Melissa*
 Calamint, Water, *Mentha*
 Cale, *Brassica*
 Cale, Sea, *Crambe*
 Caltrops, *Tribulus*
 Caltrops, Water, *Trapa*
 Calve's Snout, *Antirrhinum*
 Cammock, *Ononis*
 Campeachy Wood, *Hæmatoxylon*
 Camphire Tree, *Laurus*
 Campion, *Angrosiema*.
 Campion, *Lychnis*
 Campion, Viscous, *Silene*
 Canary-grass, *Phalaris*
 Candle of the Indians, see Kandel
 Candleberry Myrtle, *Myrica*
 Candy Carrot, *Athamanta*
 Candy Lion's Foot, *Catananche*
 Candy Tuft, *Iberis*
 Candy Tuft Tree, *Iberis*
 Cane or Reed, *Arundo*
 Cane, Sugar, *Saccharum*
 Canterbury Bells, *Campanula*
 Caper-Bush, *Capparis*
 Caper, Bean, *Zygophyllum*
 Caraway, *Carum*
 Cardinal-flower, *Lobelia*
 Carlina Thistle, *Carlina*
 Carnation, *Dianthus*
 Carnation, Spanish, *Poinciana*
 Carnation Tree, *Cacalia*
 Carob Tree, *Ceratonia*
 Carrot, *Daucus*
 Carrot, Candy, *Athamanta*
 Carrot, Deadly, *Thapsia*
 Carui, *Carum*
 Cashew-nut, *Anacardium*
 Cassava, *Jatropha*
 Cassia, Poet's, *Osyris*
 Cassidony, *Gnaphalium*
 Cassiobury Bush, *Cassine*
 Catchfly, *Silene*
 Catmint, *Nepeta*
 Cat's-foot, *Glechoma*
 Cat's-foot Mountain, *Gnaphalium*
 Cat's-tail, *Typha*
 Caterpillars, *Scorpiurus*
 Cauliflower, *Brassica*
 Cedar, *Juniperus*
 Cedar of Jamaica, Bastard, *Theobroma*
 Cedar, White, *Cupressus*
 Cedar of Bufaco, *Cupressus*
 Cedar of Libanus, *Pinus*
 Celandine, *Chelidonium*
 Celandine, Lesser, *Ranunculus*
 Celandine Tree, *Bocconia*
 Celeriac, *Apium*
 Celery, *Apium*
 Centaury, *Centaurea*
 Centaury, Lesser, *Gentiana*
 Ceterach, *Asplenium*
 Chamomile, *Anthemis*
 Champignon, *Agaricuscam*
 Chardon, *Cynara*
 Charlock, *Sinapi*
 Charlock, White-flower'd, with
 jointed Pods, *Raphanus*
 Chaste Tree, *Vitex*
 Cheese Rennet, *Galium*
 Cherry, *Prunus*
 Cherry, Barbadoes, *Malpigiba*
 Cherry, Bird, *Prunus*
 Cherry, Cornelian, *Cornus*
 Cherry, Dwarf, *Lonicera*
 Cherry, Hottentot, *Cassine*
 Cherry, Winter, *Physalis*
 Cherry, Winter, *Solanum*
 Cherry of the Alps, *Lonicera*
 Cherry Laurel, *Prunus*
 Chervil, Garden, *Scandix*
 Chervil, Wild, *Chærophyllum*
 Chestnut, *Fagus*
 Chestnut, Horse, *Æsculus*
 Chestnut, Indian Rose, *Mesua*
 Chich Pease, *Cicer*
 Chiches, *Cicer*
 Chichling Vetch, *Lathyrus*

Chick-

ENGLISH AND SCOTCH NAMES.

- Chickweed, *Alfina*
 Chickweed, African, *Mollugo*
 Chickweed, Berry-bearing, *Cucubalus*
 Chickweed, Great, *Stellaria*
 Chickweed Mountain, *Moehringia*
 Chickweed, Mouse-ear, *Cerastium*
 Chickweed, Smallwater, *Montia*
 China Root, *Smilax*
 China Rose, *Hibiscus*
 Chinquapin, *Fagus*
 Chocolate-nut, *Theobroma*
 Christmas Rose, *Helleborus*
 Christopher, Herb, *Aëtaea*
 Christ's-thorn, *Rhamnus*
 Chrysanthemum, Bastard, *Silphium*
 Chrysanthemum, Hard-seeded, *Osteospermum*
 Ciboules, *Allium*
 Cicely, Sweet, *Scandix*
 Cinnamon Tree, *Laurus*
 Cinnamon, White, *Laurus*
 Cinquefoil, *Potentilla*
 Cinquefoil, Marsh, *Comarum*
 Cistus, Marsh, *Ledum*
 Cistus, Lesser Marsh, *Andromeda*
 Cistus, Nettle-leaved, *Turnera*
 Cistus, Rape of, *Afarum*
 Citron, *Citrus*
 Citrul, *Cucurbita*
 Cives, *Allium*
 Clary, *Salvia*
 Clary, Pyrænean, *Horminum*
 Clivers, *Galium*
 Cloud-berry, *Rubuschan*
 Clove July Flower, *Dianthus*
 Clove Tree, *Caryophyllus*
 Clover, *Trifolium*
 Clover, Dutch, *Trifolium*
 Clown's, Ailheal, *Stachys*
 Clown's Wound-wort, *Stachys*
 Cob-nut, *Corylus*
 Cock's-comb, *Celosia*
 Cock's-comb, *Pedicularis*
 Cock's-comb, Yellow, *Rhinanthus*
 Cock's-head, *Hedysarum*
 Cocoa-nut, *Cocos*
 Cocoa-plumb, *Chrysobalanus*
 Codlin Tree, *Pyrus*
 Codlins and Cream, *Epilobium*
 Coffee Tree, *Coffea*
 Cole-seed, *Brassica*
 Cole-rape, *Brassica*
 Cole-wort, *Brassica*
 Cole-wort, Sea, *Crambe*
 Cole-wort, Sea, *Convolvulus*
 Coloquintida, *Cucumis*
 Colt's-foot, *Tussilago*
 Colt's-foot, Alpine, *Cacalia*
 Colt's-foot, Foreign, *Cacalia*
 Columbine, *Aquilegia*
 Columbine Feathered, *Thalictrum*
 Colutea, Jointed podded, *Coronilla*
 Comphry, *Symphytum*
 Confound, Greater, *Symphytum*
 Confound, Lesser, *Bellis*
 Confound, Middle, *Ajuga*
 Confound, Royal, *Delphinium*
 Confound, Saracen's, *Solidago*
 Confound, the True Saracen's, *Senecio*
 Contrayerva, *Dorstenia*
 Contrayerva of Hernandez, *Passiflora*
 Convall, Lily, *Convallaria*
 Coral Tree, *Erithrina*
 Coral-wort, *Denteria*
 Coriander, *Coriandrum*
 Cork Tree, *Quercus*
 Corn, Indian, *Zea*
 Corn Flag, *Gladiolus*
 Corn Marigold, *Chaysanthemum*
 Corn Parsley, *Sison*
 Corn Rocket, *Bunias*
 Corn Rose, *Papaver*
 Corn Sallad, *Valeriana*

Cornel

ENGLISH AND SCOTCH NAMES.

Cornel Tree, *Cornus*
 Cornelian Cherry, *Cornus*
 Costmary, *Tanacetum*
 Cotton, *Gossypium*
 Cotton, Lavender, *Santolina*
 Cotton Tree, Silk, *Bombax*
 Cotton Grass, *Eriophorum*
 Cotton Weed, *Filago*
 Coventry Bells, *Campanula*
 Courbaril, *Hymenæa*
 Cow-quakes, *Briza*
 Cowslip, *Primula*
 Cowslip, American, *Dodecatheon*
 Cowslip, Jerusalem, *Pulmonaria*
 Cowslip, Mountain, *Pulmonaria*
 Cow's Lungwort, *Verbascum*
 Cow Parsnep, *Heracleum*
 Cow Weed, *Cbærophyllum*
 Cow Wheat, *Melampyrum*
 Coxcomb, see Cock's comb
 Crab Tree, *Pyrus*
 Crake-berries, *Empetrum*
 Cranberries, *Vaccinium*
 Crane's Bill, *Geranium*
 Creeper, Virginian, *Hedera*
 Crefs, *Lepidium*
 Crefs, Indian, *Tropæolum*
 Crefs, Sciatica, *Iberis*
 Crefs, Spanish, *Vella*
 Crefs, Swines, *Cochlearia*
 Crefs, Wall, *Turritis*
 Crefs, Warded, *Cochlearia*
 Crefs, Water, *Sisymbrium*
 Crefs, Winter, *Erysimum*
 Crefs, Jerusalem, *Lychnis*
 Crefs, Knights, *Lychnis*
 Crefs, Scarlet, *Lychnis*
 Crefs-wort, *Valantia*
 Crowberries, *Empetrum*
 Crow-foot, *Ranunculus*
 Crow-sick, *Conserua riv*
 Crown Imperial, *Fritillaria*
 Cuckow flower, *Cardamine*
 Cuckow Pint, *Arum*

Cucumber, *Cucumis*
 Cucumber, Aslès, *Momordica*
 Cucumber, Egyptian, *Momordica*
 Cucumber, Serpent, *Trichosurthes*
 Cucumber, Single-seeded *Sicyos*
 Cucumber, Small creeping, *Melothria*
 Cucumber, Spirting, *Momordica*
 Cucumber, Wild, *Momordica*
 Cudweed, *Gnaphalium*
 Cudweed, Bastard, *Micropus*
 Cullions, *Orchis*
 Cullions, Soldier's, *Orchis*
 Cumin, *Cuminum*
 Cumin, Bastard, *Lagæcia*
 Cumin, Wild, *Lagæcia*
 Cup Mushroom, *Peziza*
 Curran Tree, *Ribes*
 Cushion Ladies, *Saxifraga*
 Cushion, Sea, *Statice*
 Custard, Apple, *Annona*
 Cypress, *Cupressus*
 Cypress, Summer, *Chenopodium*

D.

Daffodil, *Narcissus*
 Daffodil, Lily, *Amaryllis*
 Daffodil, Lily, *Panocratium*
 Daffodil, Sea, *Panocratium*
 Daify, *Bellis*
 Daify, Blue, *Globularia*
 Daify, Globe, *Globularia*
 Daify, Greater, *Chrysanthemum*
 Daify, Middle, *Doronicum*
 Daify, Ox-eye, *Chrysanthemum*
 Dame's Violet, *Hejperis*
 Damson Tree, *Prunus*
 Damson Tree, *Chrysophyllum*
 Dandelion, *Leontodon*
 Dane-wort, *Sambucus*
 Darnel, *Lolium*
 Date Plumb, Indian, *Diospyros*
 Date Tree, *Phœnix*

ENGLISH AND SCOTCH NAMES.

Day Lily, *Hemerocallis*
 Dead Nettle, *Lamium*
 Dead Nettle, Yellow, *Galeopsis*
 Deadly Carrot, *Thapsia*
 Deadly Nightshade, *Atropa*
 Devil in a Bush, *Nigella*
 Devil's Bit, *Scabiosa*
 Devil's Bit, Yellow, *Leontodon*
 Dewberry Bush, *Rubus*
 Dier's Broom, *Genista*
 Dier's Weed, *R. feda*
 Dier's Weed, *Genista*
 Dill, *Anethum*
 Distaff Thistle, *Atractylis*
 Distaff Thistle, *Carthamus*
 Dittander, *Lepidium*
 Dittany, *Origanum*
 Dittany, Bastard, *Marrubium*
 Dittany, White, *Dieltamnus*
 Dock, *Rumex*
 Doctor Tinker's Weed, *Triosteum*
 Dodder, *Cuscuta*
 Dodder of Thyme, *Cuscuta*
 Dog's Bane, *Apocynum*
 Dog's Bane, *Asclepias*
 Dog Berry, *Cornus*
 Dog's Cabbage, *Theligonum*
 Dog's Rue, *Scrophularia*
 Dog's Stones, *Orchis*
 Dog's Tooth, or Dog's Tooth
 Violet, *Erythronium*
 Dogwood, *Cornus*
 Dogwood of Jamaica, *Erythrina*
 Double Tongue, *Ruscus*
 Dove's Foot, *Geranium*
 Dragons, *Dracontium*
 Dragons, *Arum*
 Dragon's Head, *Dracocephalum*
 Dragons Water, *Calla*
 Dragon's Wort, *Artemisia*
 Dragon, Gum, see *Tragacanth*
 Dragon, Wild, *Artemisia*
 Drop-wort, *Spiræa*
 Drop-wort, Hemlock, *Oenanthe*

Drop-water, *Oenanthe*
 Duck's-meat, *Lemna*
 Duck's-meat, Starry, *Callitriche*
 Duck's-foot, *Podophyllum*
 Dulse, *Fucus palm*
 Dwale, *Atropa*.

E.

Ebony, Cretan, *Ebenus*
 Ebony, False, *Poinciana*
 Ebony of the Alps, *Cytisus*
 Ebony, Mountain, *Baubinia*
 Edders, *Arum*
 Egg Plant, *Solanum*
 Eglantine, *Rosa*
 Elder Tree, *Sambucus*
 Elder, Marth, *Viburnum*
 Elecampane, *Inula*
 Elecampane, Bastard, *Helenia*
 Elemi Tree, Gum, *Pistacia*
 Elephant's Foot, *Elephantopus*
 Elephant's Head, *Rhinanthus*
 Elichrysum, Bastard Ethiopian
 Stoebe
 Eller, *Betula aln*
 Elm, *Ulmus*
 Enchanter's Nightshade, *Circæa*
 Endive, *Cichorium*
 Eryngo, *Eryngium*
 Eschalot, *Allium*
 Eternal Flower, *Xeranthemum*
 Eternal Flower, *Gnaphalium*
 Eternal Flower, *Gomphræna*
 Evergreen, *Aizoon*
 Evergreen, *Sempervivum*
 Everlasting, *Xeranthemum*
 Everlasting, *Gomphræna*
 Everlasting, *Gnaphalium*
 Euonymus, Climbing, *Celastrus*
 Euonymus, Bastard, *Kiggellaria*
 Euonymus, Bastard, *Celastrus*
 Eye-bright, *Euphrasia*.

F.

ENGLISH AND SCOTCH NAMES.

- Fairy Mushroom, *Agaricus cor.*
 Farting Tree, *Hura*
 Faufel Nut, *Arca*
 Felwort, *Gentiana*
 Felon-wort, *Solanum*
 Fennel, *Anethum*
 Fennel, Hog's, *Peucedanum*
 Fennel, Scorching, *Thapsia*
 Fennel, Sea, *Crithmum*
 Fennel Flower, *Nigella*
 Fennel Flower of Crete, *Garidella*
 Fennel Giant, *Ferula*
 Fenugreek, *Trigonella*
 Fern, Common Male, *Polypodium*
 Fern, Common Female, *Polypodium*
 Fern, Flowering, *Osmunda*
 Fern, Common or True Mules, *Asplenium*
 Fern, Mules, *Hemionitis*
 Fern, Sweet, *Scandix*
 Feverfew, *Matricaria*
 Feverfew, Bastard, *Parthenium*
 Fever-root, *Triosteum*
 Fever-weed, *Eryngium*
 Fiddle-wood, *Citharexylum*
 Field Basil, *Glenopodium*
 Field Basil, American, *Monarda*
 Field Basil, Syrian, *Ziziphora*
 Fig, *Ficus*
 Fig, Indian, *Cactus*
 Fig, Infernal, *Argemone*
 Fig, Pharaoh's, *Ficus*
 Fig, Pharaoh's, *Musa*
 Fig, Marigold, *Mesembryanthemum*
 Fig Tree, Cochineal, *Cactus*
 Fig-wort, *Scrophularia*
 Filberd, *Corylus*
 Fingrigo, *Pisonia*
 Finochia, *Anethum*
 Fir, *Pinus*
 Fir Moss, Upright, *Lycopodium*
 Fish Thistle, *Carduus*
 Flag, or Flag-flower, *Iris*
 Flag, Corn, *Gladiolus*
 Flag, Sweet-scented, *Acorus*
 Flax, *Linum*
 Flax, Carolina, *Polyprenum*
 Flax, Toad, *Antirchinum*
 Fleabane, *Conyza*
 Fleabane, Marsh, *Inula*
 Fleabane, Middle, *Inula*
 Fleabane, Shrubby African, *Tarchonanthus*
 Fleabane Tree, *Tarchonanthus*
 Flea-wort, *Plantago*
 Flix-weed, *Sisymbrium*
 Flower of Bristol, *Lychnis*
 Flower of Constantinople, *Lychnis*
 Flower Gentle, *Amaranthus*
 Flower of an Hour, *Hibiscus*
 Flower de Luce, *Iris*
 Flower-fence of Barbadoes, *Po-
inciana*
 Flower-fence, Bastard, *Adenan-
thera*
 Fluellin, *Antirrhinum*
 Fly Honeyfuckle, *Lonicera*
 Fly Honeyfuckle, African, *Hal-
leria*
 Fly Bane, *Silene*
 Fly-wort, *Silene*
 Fool's Parsley, *Æthusa*
 Fool's Stones, *Orchis*
 Four o'Clock Flower, *Mirabilis*
 Fox Glove, *Digitalis*
 Fox Tail Grass, *Alopecurus*
 Frankincense, Jews, *Styrax*
 Frankincense Tree, *Pinus*
 Fraxinella, *Dictamnus*
 French Bean, *Phaseolus*
 French Honeyfuckle, *Hedysarum*
 Fresh Water Soldier, *Stratiotes*
 Fryer's Cowl, *Arum*
 Fringe Tree, *Chionanthus*
 Fritillary, *Fritillaria*
 Fritillary Coxcomb, *Stapelia*
 Frog's Bit, *Hydrocharis*

ENGLISH AND SCOTCH NAMES.

Fuller's Thistle, *Dipsacus*
 Fumatory, *Funaria*
 Furze, *Ulex*
 Fustic Tree, *Morus*.

G.

Gale, or Sweet Gale, *Myrica*
 Galingale, *Cyperus*
 Garavances, *Cicer*
 Garlic, *Allium*
 Garlic Pear, *Crateva*
 Gatter Tree, *Cornus*
 Gelder Rose, *Viburnum*
 Gelder Rose, Curran-leav'd, *Spiræa*
 Gelder Rose, Virginian, *Spiræa*
 Gentian, *Gentiana*
 Gentian, Bastard, *Sarothra*
 Gentianella, *Gentiana*
 Gentle, Flower, *Amaranthus*
 Gerard, Herb, *Ægopodium*
 Germander, *Teucrium*
 Germander, Rock, *Veronica*
 Germander, Water, *Teucrium*
 Gilead, False Baulm of, *Dracoccephalum*
 Gill, *Glechoma*
 Gilly-flower, see July-flower
 Ginger, *Amomum*
 Ginseng, *Panax*
 Gladiole, Water, *Butomus*
 Gladiole, Water, *Lobelia*
 Gladwin, Stinking, *Iris*
 Glass-wort, *Salsola*
 Glass-wort, Berry-bearing, *Anabasis*
 Glass-wort, Jointed, *Salicornia*
 Globe Amaranth, *Gomphrena*
 Globe Daisy, *Globularia*
 Globe Flower, *Sphæranthus*
 Globe Ranunculus, *Trollius*
 Globe Thistle, *Echinops*
 Goat's Beard, *Tragopogon*

Goat's Rue, *Galega*
 Goat's Stones, greater, *Satyrium*
 Goat's Stones, lesser, *Orchis*
 Goat's Thorn, *Astragalus*
 Gold of Pleasure, *Myagrum*
 Golden Cups, *Ranunculus*
 Golden Lung-wort, *Hieracium*
 Golden Maidenhair, *Polytrichum*
 Golden Mouse-ear, *Hieracium*
 Golden Rod, *Solidago*
 Golden Rod Tree, *Bosca*
 Golden Samphire, *Inula*
 Golden Saxifrage, *Chrysoplenium*
 Golden Thistle, *Scolymus*
 Goldy Locks, *Chrysocoma*
 Goldy Locks, *Gnaphalium*
 Good Henry, *Chenopodium*
 Gooseberry, *Ribes*
 Gooseberry, American, *Melastoma*
 Gooseberry of the Americans, *Cactus*
 Gooseberry of Barbadoes, *Cactus*
 Goose-foot, *Chenopodium*
 Goose Grass, *Galium*
 Goose Grass, great, *Asperugo*
 Goose Tongue, *Achillea*
 Go to bed at Noon, *Tragopogon*
 Gorse, *Ulex*
 Gourd, *Cucurbita*
 Gourd, Bitter, *Cucumis*
 Gourd, Ethiopian, Sour, *Adansonia*
 Gourd Tree, Indian, *Crescentia*
 Gout-wort, *Ægopodium*
 Gowan, *Bellis*
 Grace, Herb of, *Ruta*
 Grain, Oily Purging, *Sesamum*
 Grain, Scarlet, *Quercus*
 Grain, Scarlet, *Cactus*
 Grape, *Vitis*
 Grape, Mangrove, *Polygonum*
 Grape, Sea-side, *Polygonum*
 Grape Hyacinth, *Hyacinthus*

Grass

ENGLISH AND SCOTCH NAMES.

Grass of Parnassus, *Parnassia*
 Grass Vetch, Crimson, *Lathyrus*
 Grass Wrack, *Zostera*
 Gravel-bind, *Convolvulus*
 Greek Valerian, *Polemonium*
 Green-weed, *Genista*
 Grim the Collier, *Hieracium*
 Gromwell, or Gromil, *Lithospermum*
 Gromwell, German, *Stellera*
 Ground Ivy, *Glechoma*
 Ground Nut, *Arachis*
 Ground Pine, *Teucrium*
 Ground Pine, Stinking, *Camphorosma*
 Groundsel, *Senecio*
 Groundsel Tree, *Baccharis*
 Groundsel Tree with a Ficoides Leaf, *Cacalia*
 Guava, see Guayava
 Guava, French, *Cassia*
 Guayava, *Psidium*
 Guilis, *Chrysanthemum* seg.
 Gum Elemi Tree, *Pistachia*
 Gum Succory, *Chondrilla*
 Gum Tragacanth, *Astragalus*
 Gum, Sweet, *Liquidambar*

H.

Hag-berries, *Pruuus pad.*
 Hag-taper, *Verbascum thap.*
 Hairbells, *Hyacinthus*
 Hare's-ear, *Bupleurium*
 Hare's-ear, Bastard, *Phyllis*
 Hare's Lettuce, *Sonchus*
 Hart's-horn Plantain, *Plantago*
 Hart's-tongue, *Asplenium*
 Hart-wort, *Sesela*
 Hart-wort of Crete, *Tordylium*
 Hartwort, Shrubby, of Ethiopia, *Bapleurum*
 Hart-wort of Marseilles, *Seseli*
 Hatchet Vetch, True, *Coronilla*

Hatchet Vetch, Clufius's Foreign, *Biserrula*
 Hawk-weed, *Hieracium*
 Hawk-weed, Bastard, *Crepis*
 Hawk-weed, Trailing crooked-seeded, *Hyoferis*
 Hawk-weed, Woolly, *Andryala*
 Hawthorn, or Haw, *Cratagus*
 Hawthorn, Black American, *Viburnum*
 Hay, Burgundian, *Medicago*
 Hazel, or Hazel Nut, *Corylus*
 Hazel, Witeh, *Hamamelis*
 Hazel, Witch, *Ulmus*
 Heart Pea, *Cardiospermum*
 Heart Seed, *Cardiospermum*
 Heart's Ease, *Viola*
 Heath, *Erica*
 Heath, berry-bearing, *Empetrum*
 Heath, Black-berried, *Empetrum*
 Heath, Mountain, *Saxifraga*
 Heath, Low Pine, *Coris*
 Heath Pease, *Orobus*
 Hedge Hog, *Medicago*
 Hedge Hog Thistle, *Caedus*
 Hedge Hog Thorn, Spanish, *Anthyllis*
 Hedge Hyssop, *Gratiola*
 Hedge Mustard, *Erysium*
 Hedge Nettle, *Galeopsis*
 Hedge Nettle, Shrubby, *Prasium*
 Hellebore, *Helleborus*
 Hellebore, Bastard, *Serapias*
 Hellebore, Black, *Helleborus*
 Hellebore, Fennel-leaved Black, *Adonis*
 Hellebore, White, *Veratrum*
 Helleborine, *Serapias*
 Helmet-flower, *Aconitum*
 Hemlock, *Conium*
 Hemlock, Great broad-leaved Bastard, *Ligusticum*
 Hemlock, Lesser, *Æthusa*
 Hemlock, Water, *Cicuta*

Hem-

ENGLISH AND SCOTCH NAMES.

Hemlock Drop-wort, <i>Oenanthe</i>	Hogweed of the Americans, <i>Boerhavia</i>
Hemp, <i>Cannabis</i>	Hollow Root, <i>Adoxa</i>
Hemp, Bastard, <i>Datisca</i>	Holly, <i>Ilex</i>
Hemp, Bastard, <i>Galeopsis</i>	Holly, Knee, <i>Ruscus</i>
Hemp Agrimony, <i>Eupatorium</i>	Holly, Sea, <i>Eryngium</i>
Hemp Agrimony, Bastard, <i>Ageratum</i>	Hollyhock, <i>Alcea</i>
Hemp Agrimony, Naked-headed, <i>Verbena</i>	Holy Thistle, <i>Cnicus</i>
Hemp Agrimony, Water, <i>Bidens</i>	Honesty, <i>Lunaria</i>
Henbane, <i>Hyoscyamus</i>	Hone-wort, <i>Sison</i>
Henbane, Yellow, <i>Nicotiana</i>	Honey-flower, <i>Melanthus</i>
Henweed, Guinea, <i>Petiveria</i>	Honey Locust, <i>Gleditsia</i>
Hepatica, <i>Anemone</i>	Honeysuckle, <i>Lonicera</i>
Hep Tree, <i>Rosa</i>	Honeysuckle, African Fly, <i>Halleria</i>
Herb Bane, <i>Orobancha</i>	Honeysuckle, American Upright, <i>Azalea</i>
Herb Bane, Great Purple, <i>Lathraea</i>	Honeysuckle, French, <i>Hedysarum</i>
Herb Bennet, <i>Geum</i>	Honeysuckle Grass, <i>Trifolium</i>
Herb Christopher, <i>Aetha</i>	Honey-wort, <i>Cerinth</i>
Herb Gerard, <i>Aegopodium</i>	Hop, <i>Humulus</i>
Herb of Grace, <i>Ruta</i>	Hop-tree, <i>Ilex</i>
Herb Mastick, <i>Satureia</i>	Horehound, <i>Marrubium</i>
Herb Paris, <i>Paris</i>	Horehound, Base, <i>Stachys</i>
Herb Paris of Canada, <i>Trillium</i>	Horehound, Bastard, <i>Sideritis</i>
Herb Robert, <i>Geranium</i>	Horehound, Black, <i>Ballota</i>
Herb Trinity, <i>Viola</i>	Horehound, Stinking Marsh Bastard, <i>Glechoma</i>
Herb Truelove, <i>Paris</i>	Horehound, Water, <i>Lycopus</i>
Herb Truelove of Canada, <i>Tril-</i>	Hornbeam, <i>Carpinus</i>
Herb Two-pence, <i>Lysimachia</i>	Horns, <i>Medicago</i>
Herb, Blessed, <i>Geum</i>	Horse Chestnut, <i>Aesculus</i>
Herb, St. Bartholomew's, <i>Ilex</i>	Horse Purslane, <i>Trianthema</i>
Herb, Willow, <i>Epilobium</i>	Horse Radish, <i>Cochlearia</i>
Herb, Willow, <i>Lythrum</i>	Horse-shoe Vetch, <i>Hippocrepis</i>
Herb, Willow, <i>Lysimachia</i>	Horse-tail, <i>Equisetum</i>
Hercules's Allheal, <i>Pastinaca</i>	Horse-tail, Shrubby, <i>Ephedra</i>
Hercules's Allheal, <i>Heraclum</i>	Horse-tongue, <i>Ruscus</i>
Hercules's Club, <i>Zanthoxylon</i>	Hottentot Cherry, <i>Cassia</i>
Hiccory Nut, <i>Juglans</i>	Hound's-tongue, <i>Cynoglossum</i>
High Taper, <i>Verbascum</i>	Houfeleek, <i>Sempervivum</i>
Hind-berry, <i>Rubus</i>	Houfeleek, Lesser, <i>Sedum</i>
Hog Plumb-tree, <i>Spondias</i>	Houfeleek, Small, annual, <i>Tillæa</i>
Hog's Fennel, <i>Peucedanum</i>	

Houfe-

ENGLISH AND SCOTCH NAMES.

Houfeleek, Water, of Egypt,
Pistia
 Hyacinth, *Hyacinthus*
 Hyacinth, African Blue, umbel-
 lated, *Crinum*
 Hyacinth, Lily, *Scilla*
 Hyacinth, Peruvian, *Scilla*
 Hyacinth, Starry, *Scilla*
 Hyflop, *Hyffopus*
 Hyflop, Hedge, *Gratiola*
 Hyflop, Mountain, *Thymbra*.

I.

Jacinth, *Hyacinthus*
 Jack in a Box, *Hernandia*
 Jack by the Hedge, *Eryfinum*
 Jacob's Ladder, *Polemonium*
 Jacobæa Lily, *Amaryllis*
 Jalap, *Mirabilis*
 Jasmine, *Jasminum*
 Jasmine, Arabian, *Nyctanthes*
 Jasmine, Bastard, *Cestrum*
 Jasmine, Bastard, *Lycium*
 Jasmine, Ilex-leaved, *Lantana*
 Jasmine, Fennei-leaved, *Ipomoea*
 Jasmine, Perfian, *Syringa*
 Jasmine, Red, *Plumeria*
 Jasmine, Scarlet, *Bignonia*
 Jasmine, Yellow, *Bignonia*
 Jericho, Rose of, *Anastatica*
 Jersey, Thea, New, *Ceanothus*
 Jerufalem Artichoke, *Helianthus*
 Jerufalem Cowflip, *Pulmonaria*
 Jerufalem Crofs, *Lychus*
 Jerufalem Oak, *Chenopodium*
 Jerufalem Sage, *Phlomis*
 Jerufalem, Sage of, *Pulmonaria*
 Jeffamine, see Jasmine
 Jefuits Bark-tree, True, *Cinchona*
 Jefuits, Bark-tree, False, *Iva*
 Jew's Frankincense, *Styrax*
 Jew's Mallow, *Corchorus*
 Ilathera Bark, *Clutia*

Immortal Eagle flower, *Impatiens*
 Immortal flower, *Gomphrena*
 Indian God Tree, *Ficus*
 Indian Shot, *Canna*
 Indigo, *Indigofera*
 Indigo, Bastard, *Amorpha*
 Infernal Fig, *Argemone*
 Job's Tears, *Coix*
 Johnfonia, *Callicarpa*
 Johnquill, *Narciffus*
 Ipecacuana, Bastard, *Asclepias*
 Ipecacuana, False, *Triosteum*
 Iris, Uvaria, *Aletris*
 Iron-wood, *Sideroxyllum*
 Iron-wort, *Sidertitis*
 Judas-tree, *Circis*
 Jujube-tree, *Rhamnus*
 July-flower, Clove, *Dianthus*
 July-flower, Queen's, *Hesperis*
 July-flower, Stock, *Cheirantbus*
 Juniper, *Juniperus*
 Jupiter's Beard, *Anthyllis*
 Jupiter's Beard, American, *A-*
morpha
 Jupiter's Diffaff, *Salvia*
 Ivy, *Hedera*
 Ivy, Bindweed-leaved, *Meni-*
spermum
 Ivy, Ground, *Glechoma*
 Ivy-tree of America, *Kalmia*.

K.

Kale, Sea, *Crambe*
 Kali, *Salsola*
 Kali, Egyptian, *Mefembryanthc-*
mum
 Kali, Sal, *Salicornia*
 Kandel of the Indians, *Rhizo-*
phora
 Kelp, *Salicornia*
 Kermes, *Quercus*
 Kidney Bean, *Phaseolus*

Kidney

ENGLISH AND SCOTCH NAMES.

- Kidney Bean-tree of Carolina, *Glycine*
 Kidney Vetch, *Anthyllis*
 Kidney-wort, *Saxifraga*
 King's Spear, *Aphodelus*
 Knapweed, *Centaurea*
 Knapweed, Thorny, *Centaurea*
 Knawel, *Scleranthus*
 Knee Holly, *Ruscus*
 Knee Holm, *Ruscus*
 Knight's Cross, *Lycnis*
 Knot Berries, *Rubus*
 Knot Grass, *Polygonum*
 Knot Grass, German, *Scleranthus*
 Knot Grass, Mountain, *Illecebrum*
 Knotgrafs, Verticillate, *Illecebrum*.
- L.
- Laburnum, *Cytisus*
 Ladder to Heaven, *Convallaria*
 Ladder, Jacob's, *Polemonium*
 Lady's Bedstraw, *Galium*
 Lady's Bower, *Clematis*
 Lady's Comb, *Scandix*
 Lady's Cushion, *Saxifraga*
 Lady's Finger, *Anthyllis*
 Lady's Mantle, *Alchemilla*
 Lady's Seal, *Tamus*
 Lady's Slipper, *Cypripedium*
 Lady's Smock, *Cardamine*
 Lady's Traces, Triple, *Ophrys*
 Lakeweed, *Polygonum*
 Lamb's Lettuce, *Valeriana*
 Larch-tree, *Pinus*
 Lark's Heel, *Delphinium*
 Lark's Spur, *Delphinium*
 Laserwort, *Laserpitium*
 Lavender, *Lavandula*
 Lavender, Sea, *Statice*
 Lavender Cotton, *Santolina*
 Laver, *Ulva*
 Laurel, *Prunus*
 Laurel, Alexandrian, *Ruscus*
 Laurel, Dwarf, of America, *Kalmia*
 Laurel, Flax-leaved, *Daphne*
 Laurel, Sea-side, *Phyllanthus*
 Laurel, Spurge, *Daphne*
 Laurustinus, *Viburnum*
 Laufkraut, *Delphinium*
 Lead-wort, *Plumbago*
 Leather-wood, *Dirca*
 Leek, *Allium*
 Lemon, *Citrus*
 Lemon, Water, *Passiflora*
 Lentils, *Ervum*
 Lentisk, *Pistacia*
 Lentisk, African, *Schinus*
 Lentisk, Peruvian, *Schinus*
 Leopard's Bane, *Doronicum*
 Lettuce, *Lactuca*
 Lettuce, Hare's, *Sonchus*
 Lettuce, Lamb's, *Valeriana*
 Lettuce, Wild, *Prenanthes*
 Life, Tree of, *Thuja*
 Life, Wood of *Guaiacum*
 Life Everlasting, *Gnaphalium*
 Lignum Aloes, *Cordia*
 Lignum Vitæ, *Guaiacum*
 Lilac, *Syringa*
 Lily, *Lilium*
 Lily, African Scarlet, *Amaryllis*
 Lily, Asphodel, *Crinum*
 Lily, Atamasco, *Amaryllis*
 Lily, Belladonna, *Amaryllis*
 Lily, St. Bruno's, *Hemerocallis*
 Lily, Conval, *Convallaria*
 Lily, Day, *Hemerocallis*
 Lily, Guernsey, *Amaryllis*
 Lily, Jacobæa, *Amaryllis*
 Lily, Japan, *Amaryllis*
 Lily, May, *Convallaria*
 Lily, Mexican, *Amaryllis*
 Lily, Persian, *Fritillaria*
 Lily, Superb, *Gloriosa*
 Lily, Water, *Nymphaea*

Lily,

ENGLISH AND SCOTCH NAMES.

- Lily, Lesser, Yellow Water, with fringed Flowers, *Menyanthes*
 Lily, Zeylon, *Amaryllis*
 Lily, Asphodel, *Heimerocallis*
 Lily, Daffodil, *Amaryllis*
 Lily, Daffodil, *Pancreatium*
 Lily, Hyacinth, *Scilla*
 Lily, Thorn, *Catesbæa*
 Lily of the Valley, *Convallaria*
 Lime, *Citrus*
 Lime, Brook, *Veronica*
 Lime-tree, *Tilia*
 Ling, *Erica*
 Linden-tree, *Tilia*
 Lion's-foot, Candy, *Catananche*
 Lion's-leaf, *Leontice*
 Lion's-tail, *Leonurus*
 Lipplehout, *Cassine*
 Liquorice, *Glycyrrhiza*
 Liquorice, Wild, *Astragalus*
 Liquorice, Wild, *Capraria*
 Liquorice, Wild, *Glycine*
 Liquorice Vetch, *Astragalus*
 Liquorice Vetch, Knobbed-rooted, *Glycine*
 Live-ever, *Sedum*
 Live-long, *Sedum*
 Liver-wort, *Lichen*
 Liver-wort, Marsh, *Riccia*
 Liver-wort, Noble, *Anemone*
 Lizard's-tail, *Saururus*
 Lizard's-tail, *Piper*
 Loblolly Bay, *Gordonia*
 Locker Gowlans, *Trollius*
 Locust, *Melianthus*
 Locust, *Ceratonia*
 Locust, Bastard, *Hymenæa*
 Locust-tree, *Hymenæa*
 Locust-tree, *Robinia*
 Locust-tree, Honey, *Gleditsia*
 Logwood, *Hæmatoxylon*
 London Pride, *Saxifraga*
 Loose-strife, *Lysimachia*
 Loose-strife, podded, *Epilobium*
 Loose-strife, Purple, *Lythrum*
 Loose-strife, spiked, *Lythrum*
 Loose-strife, Yellow Virginian, *Gaura*
 Lords and Ladies, *Arum*
 Lotus, or Lote-tree, *Celtis*
 Lotus, supposed, of Homer, *Diospyros*
 Lotus, Honey, *Trifolium*
 Lovage, *Ligusticum*
 Love, Tree of, *Cercis*
 Love Apple, *Solanum*
 Love in a Mist, *Passiflora*
 Love lies a bleeding, *Amaranthus*
 Louse-wort, *Pedicularis*
 Louse-wort, Yellow, *Rhinanthus*
 Lucern Grass, *Medicago*
 Lucken-Gowan, *Trollius*
 Lung-wort, *Pulmonaria*
 Lung-wort, Cow's, *Verbascum*
 Lung-wort, Golden, *Hieracium*
 Lupine, *Lupinus*
 Lust-wort, *Drosera*
 Lychnidea, *Phlox*
 Lychnis, Bastard, *Phlox*
 Lychnis, Wild, *Agrostema*

M.

- Mace, Reed, *Typha*
 Mad Apple, *Solanum*
 Madder, *Rubia*
 Madder, Little Field, *Sherardia*
 Madder, Petty, *Crucianella*
 Mad-wort, *Alyssum*
 Mad-wort, German, *Asperugo*
 Mahaleb, *Prunus*
 Maho-tree, *Hibiscus*
 Maiden-hair, *Adiantum*
 Maiden-hair, English black, *Asplenium*
 Maiden-hair, Golden, *Polytrichum*
 Maiden-hair, White, *Asplenium*
 Maiden Plumb, *Chrysobalanus*

ENGLISH and SCOTCH NAMES.

- Malabar Nut, *Justicia*
 Male Balsam Apple, *Memordica*
 Mallow, *Malva*
 Mallow, Bastard, *Malope*
 Mallow, Jew's, *Corchorus*
 Mallow, Indian, *Sida*
 Mallow, Indian, *Urena*
 Mallow, Marsh, *Althæa*
 Mallow, Rose, *Alcea*
 Mallow, Syrian, *Hibiscus*
 Mallow, Tree, *Lavatera*
 Mallow, Varied leav'd, *Lavatera*
 Mallow, Venetian, *Lavatera*
 Mallow, Vervain, *Malva*
 Mallow, Yellow, *Sida*
 Mammee, *Mammea*
 Mammee, Sapota, *Achras*
 Manchineel-tree, *Hippomane*
 Mandrake, *Mandragora*
 Mango-tree, *Mangifera*
 Mangostan, or Mangosteen, *Garciana*
 Mangrove Grape, *Polygonum*
 Mangrove-tree of America, *Rhizophora*
 Manihot, *Jatropha*
 Maple, *Acer*
 Maracock, *Passiflora*
 Marigold, *Calendula*
 Marigold, African, *Tagetes*
 Marigold, Corn, *Chrysanthemum*
 Marigold, Fig, *Mesembryanthemum*
 Marigold, French, *Tagetes*
 Marigold, Marsh, *Caliba*
 Marjoram, common or sweet, *Origanum*
 Marjoram, Bastard, *Origanum*
 Marjoram, Pot, *Origanum*
 Marjoram, Spanish, *Urtica*
 Marjoram, Wild, *Origanum*
 Marjoram, Winter sweet, *Origanum*
 Marsh-mallow, see Mallow
 Martagon, *Lilium*
 Marvel of Peru, *Mirabilis*
 Marum, Common, *Satureia*
 Marum, Pennyroyal-scented, *Melissa*
 Marum, Syrian or Cretan, *Origanum*
 Master-wort, *Imperatoria*
 Master-wort, Black, *Astrantia*
 Mastich, Herb, *Satureia*
 Mastich, Indian, *Schinus*
 Mastich, Peruvian, *Schinus*
 Mastich-tree, *Pistachia*
 Mastich-tree, Indian, *Schinus*
 Mastich Thyme, *Satureia*
 Mastich Thyme, *Thymus*
 Matfellow, *Centaurea*
 Mat-weed, Hooded, *Lygeum*
 Maudlin, *Achillea*
 May Apple, *Podophyllum*
 May Bush, *Cratægus*
 May Lily, *Convallaria*
 May Weed, *Anthemis*
 Mays, *Zea*
 Meadia, *Dodecatheon*
 Meadow Rue, *Thalictrum*
 Meadow Saffron, *Colchicum*
 Meadow Saxifrage, *Peucedanum*
 Meadow-sweet, *Spiræa*
 Meadow-sweet, Greater, *Spiræa*
 Meadow, Queen of the, *Spiræa*
 Mealy-tree, Pliant, *Viburnum*
 Medic, *Medicago*
 Medic, Bastard, *Medicago*
 Medic, Sea, *Medicago*
 Medic, Vetch, *Hedysarum*
 Medic, Vetchling, *Hedysarum*
 Medlar, *Mespilus*
 Medusa's Head, *Euphorbia*
 Melancholy Thistle, *Carduus*
 Melancholy-tree, *Nyctanthes*
 Melilot, *Trifolium*
 Melilot Trefoil, *Trifolium*
 Melon, *Cucumis*
 Melon, Water, *Cucurbita*

Melon-

ENGLISH AND SCOTCH NAMES.

Melon-thistle, *Caësus*
 Mercury, *Mercurialis*
 Mercury, English, *Chenopodium*
 Mezercon, *Daphne*
 Meu, *Atbamanta*
 Mignonette, *Reseda*
 Milfoil, *Achillea*
 Milfoil, Water, *Hottonia*
 Milfoil, Water, *Myriophyllum*
 Milfoil, Water, *Utricularia*
 Milk Vetch, *Astragalus*
 Milk Vetch, Bastard, *Phaca*
 Milk Wood, *Bignonia*
 Milk-wort, *Polygala*
 Milk-wort, *Euphorbia*
 Milk-wort, Sea, *Glaux*
 Millett, *Panicum*
 Millet-grass, *Milium*
 Millet, Indian, *Holcus*
 Milt-waste, *Asplenium*
 Mint, *Mentha*
 Mint, Cat, *Nepeta*
 Mistletoe, *Viscum*
 Mithridate Mustard, *Thlaspi*
 Mithridate Mustard, Bastard,
Iberis
 Mock Orange, *Philadelphus*
 Mock Privet, *Phillyrea*
 Moldavian Baulm, *Dracoccephalum*
 Mollucca Baulm, *Moluccella*
 Moly with Lily-flowers, or Homer's, *Ailium*
 Money-wort, *Lyfimachia*
 Monk's-head, *Leontodon*
 Monk's-hood, *Aconitum*
 Monk's Rhubarb, *Rumex*
 Monster, *Fritillaria*
 Moon Seed, *Menispermum*
 Moon Trefoil, *Medicago*
 Moon-wort, *Lunaria*
 Moor Berries, *Vaccinium*
 Moschatel, Tuberosc, *Adoxa*
 Moss-trec, *Lichen*

Moss, Upright Fir, *Lycopodium*
 Moss, Water, *Fontinalis*
 Moss-berries, *Vaccinium*
 Moth Mullein, *Verbascum*
 Mother of Thyme, *Thymus*
 Mother-wort, *Leonurus*
 Mouse-ear, *Hieracium*
 Mouse-ear, Creeping, *Hieracium*
 Mouse-ear, Golden, *Hieracium*
 Mouse-ear Chickweed, *Cerastium*
 Mouse-ear Scorpion-grass, *Myosotis*
 Mouse-tail, *Myosurus*
 Mugweed, *Valantia cru.*
 Mug-wort, *Artemisia*
 Mulberry-tree, *Morus*
 Mulberry Blite, *Blitum*
 Mule Fairchild's, *Dianthus*
 Mule-wort, *Hemionitis*
 Mule's Fern, *Hemionitis*
 Mullein, *Verbascum*
 Mullein, Moth, *Verbascum*
 Mushrooms, *Agaricus*
 Mushrooms, Cup, *Peziza*
 Musk Seed, *Hibiscus*
 Mustard, *Sinapis*
 Mustard, Bastard, *Cleome*
 Mustard, Buckler, *Biscutella*
 Mustard, Hedge, *Erysimum*
 Mustard, Mithridate, *Thlaspi*
 Mustard, Bastard Mithridate,
Iberis
 Mustard, Tower, *Turritis*
 Mustard, Bastard Tower, *Arabis*
 Mustard, Treacle, *Clypeola*
 Mustard, Treacle, *Thlaspi*
 Myrtle, *Myrtus*
 Myrtle, Candleberry, *Myrica*
 Myrtle, Dutch, *Myrica.*

N.

Naked Ladies, *Colchicum*
 Naples, Star of, *Ornithogalum*
 Narcissus,

ENGLISH AND SCOTCH NAMES.

- Narcissus, Third, of Matthioli, *Panocratum*
 Naseberry-tree, *Sloanea*
 Nasturion, *Tropæolum*
 Navel-wort, *Cotyledon*
 Navel-wort, Bastard, *Crassula*
 Navel-wort, False, *Crassula*
 Navel-wort, Venus's, *Cynoglossum*
 Navel-wort, Water, *Hydrocotyle*
 Navew, *Brassica*
 Nectarine, *Amygdalus*
 Nep, *Nepeta*
 Nettle, *Urtica*
 Nettle, Dead, *Lamium*
 Nettle, Hedge, *Galeopsis*
 Nettle, Shrubby Hedge, *Prasum*
 Nettle-tree, *Celtis*
 Net-work, *Eriocaulon dec.*
 Nickar-tree, *Guilandina*
 Nightshade, *Solanum*
 Nightshade, American, *Phytolacca*
 Nightshade, American, *Rivina*
 Nightshade, Bastard, *Rivina*
 Nightshade, Deadly, *Atropa*
 Nightshade, Enchanter's, *Circæa*
 Nightshade, Malabar, *Bassella*
 Night-shade, Three-leaved, *Trilium*
 Nipple-wort, *Lapsana*
 Noli me tangere, *Impatiens*
 Noli me tangere, *Momordica*
 None so pretty, *Saxifraga*
 Nonfuch, *Lychnis*
 Nose-bleed, *Achillea*
 Nut-tree, *Corylus*
 Nut, Bladder, *Staphylæa*
 Nut, Cashew, *Anacardium*
 Nut, Chocolate, *Theobroma*
 Nut, Cob, *Corylus*
 Nut, Cocoa, *Cocos*
 Nut, Earth, *Bunium*
 Nut, Fausel, *Areca*
 Nut, Ground, *Arachis*
 Nut, Hazel, *Corylus*
 Nut, Malabar, *Justicia*
 Nut, Pease Earth, *Lathyrus*
 Nut, Physic, *Jatropha*
 Nut, Physic, *Croton*
 Nut, Pig, *Bunium*
 Nut, Pistacia, *Pistacia*
 Nut, Purging, *Croton*
 Nut, Purging, *Jatropha*
 Nut, Spanish, *Iris*
 Nut, Walnut, *Juglans*.

O.

- Oak, *Quercus*
 Oak, Dwarf, *Teucrium*
 Oak of Cappadocia, *Ambrosia*
 Oak of Jerusalem, *Cheucopodium*
 Oak, Poison, *Rhus*
 Oats, *Avena*
 Oats, Seaside, of Carolina, *Uniola*
 Oats, Wild-bearded, *Bromus*
 Oat-grass, *Bromus*
 Oil Nut, *Ricinus*
 Oil Seed, *Ricinus*
 Oil-tree, *Ricinus*
 Oily Purging Grain, *Sesamum*
 Okra, *Hibiscus*
 Old Man's Beard, *Clematis*
 Old Man's Head, *Diaanthus*
 Oleander, *Nerium*
 Oleaster, *Elæagnus*
 Olive, *Olca*
 Olive, Spurge, *Daphne*
 Olive, Wild, *Elæagnus*
 Olive, Wild, of Barbadoes, *Bontia*
 One Berry, *Paris*
 One Blade, *Convallaria*
 Onion, *Allium*
 Onion, Sea, *Scilla*
 Orange, *Citrus*
 Orange, Mock, *Philadelphus*
 Origany, *Origanum*

Croonoka,

ENGLISH AND SCOTCH NAMES.

Oroonoka, *Nicotiana*
 Orpine, *Sedum*
 Orpine, Battard, *Adrachne*
 Orpine, Lesser, *Craffula*
 Orpine, True of Imperatus, *Telephium*
 Orrach, *Atriplex*
 Orrach, Berry-bearing, *Blitum*
 Orrach, Creeping shrubby, *Atraphaxis*
 Orrach, Wild, *Chenopodium*
 Osier, *Salix*
 Osmund Royal, *Osmunda*
 Ox-eye, *Bupthalmum*
 Ox-eye of old Authors, *Anthemis*
 Ox-eye Daisy, *Chrysanthemum*
 Ox-lips, *Primula*
 Ox-tongue, *Picris*
 Oswego Tea, *Monarda*
 Oyster-green, *Ulva lac.*

P.

Paddock-stool, *Agaricus*
 Paddock-pipe, *Equisetum*
 Pæony, *Pæonia*
 Pagils, or Paigles, *Primula*
 Painted Ladies, *Dianthus*
 Painted Lady Pease, *Lathyrus*
 Palm, Common or Greater, or Date-tree, *Phœnix*
 Palm, Lesser or Dwarf, *Chamærops*
 Palm, The Cocoa Nut, *Cocos*
 Palm, The Fauld Nut, *Areca*
 Palm, Malabar, called Ampana and Carimpana, *Borassus*
 Palm, Wild Malabar, called Kattou Indel, *Elate*
 Palm, Mountain, with largest Leaves, called Codda Panna, *Corypha*
 Palm with ringed Stems, called Todda Panna, *Cycas*

Palm with bipinnate Leaves, called Schunda Panna, *Caryota*
 Palma Christi, *Ricinus*
 Palmetto, *Chamærops*
 Panic, *Panicum*
 Panic-grass, *Panicum*
 Pansies, *Viola*
 Papaw-tree, *Carica*
 Papaw-tree of North America, *Annona*
 Paraguay Tea, *Ilex*
 Park-leaves, *Hypericum*
 Parsley, *Apium*
 Parsley, Bastard, *Caucalis*
 Parsley, Corn, *Sison*
 Parsley, Fool's, *Æthusa*
 Parsley, Macedonian, *Bubon*
 Parsley, Milky, *Selinum*
 Parsley, Mountain, *Athamanta*
 Parsley, Stone, *Bubon*
 Parsley, Bastard Stone, *Sison*
 Parsley, Wild, *Sison*
 Parsley, Wild, of America, *Cardiospermum*
 Parsley, Break-stone, *Aphanes*
 Parsley Piert, *Aphanes*
 Parsnep, *Pastinaca*
 Parsnep, Cow's, *Heracleum*
 Parsnep, Prickly, *Echinophora*
 Parsnep, Water, *Sium*
 Parnassus, Grass of, *Parnassia*
 Pasque-flower, *Anemone*
 Passion-flower, *Passiflora*
 Patience, *Rumex*
 Paul's Betony, *Veronica*
 Pea, *Pisum*
 Pea, Chich, *Cicer*
 Pea, Chichling, *Lathyrus*
 Pea, Earth-nut, *Lathyrus*
 Pea, Everlasting, *Lathyrus*
 Pea, Heart, *Cardiospermum*
 Pea, Heath, *Orobus*
 Pea, Painted Lady, *Lathyrus*
 Pea, Pigeon, *Cytisus*

Pea,

ENGLISH AND SCOTCH NAMES.

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| <p>Pea, Sweet-scented, <i>Lathyrus</i>
 Pea, Tangier, <i>Lathyrus</i>
 Pea, Winged, <i>Lotus</i>
 Pea, Wood, <i>Orobus</i>
 Peach, <i>Amygdalus</i>
 Peach, Wolf's, <i>Solanum</i>
 Pear, <i>Pyrus</i>
 Pear, Avocado, Avocado or Alligator, <i>Laurus</i>
 Pear, Batchelor's, <i>Solanum</i>
 Pear, Garlick, <i>Cratæva</i>
 Pear, Prickly, <i>Cactus</i>
 Pearl-wort, <i>Sagina</i>
 Pellitory, <i>Parietaria</i>
 Pellitory, Bastard, <i>Achillea</i>
 Pellitory, Double, <i>Achillea</i>
 Pellitory of Spain, <i>Anthemis</i>
 Pellitory of Spain, False, <i>Chrysanthemum</i>
 Pellitory-tree, <i>Zanthoxylum</i>
 Pellitory of the Wall, <i>Parietaria</i>
 Penny-royal, <i>Mentha</i>
 Penny-royal, Virginian, <i>Satureia</i>
 Penny-wort, Marsh, <i>Hydrocotyle</i>
 Penny-wort, Wall, <i>Cotyledon</i>
 Penny-wort, Water, <i>Hydrocotyle</i>
 Penguin, <i>Bromelia</i>
 Pentstemon, <i>Chelone</i>
 Peony, see Pæony
 Pepper, <i>Piper</i>
 Pepper, Barbary, <i>Capsicum</i>
 Pepper, Bell, <i>Capsicum</i>
 Pepper, Bird, <i>Capsicum</i>
 Pepper, Bonnet, <i>Capsicum</i>
 Pepper, Guinea, <i>Capsicum</i>
 Pepper, Jamaica, <i>Myrtus</i>
 Pepper, Indian, <i>Capsicum</i>
 Pepper, Long, <i>Piper</i>
 Pepper, Poor Man's, <i>Lepidium</i>
 Pepper, Wall, <i>Sedum</i>
 Pepper, Water, <i>Polygonum</i>
 Pepper-grass, <i>Pilularia</i>
 Pepper-pot, <i>Capsicum</i>
 Pepper-tree, <i>Vitis</i></p> | <p>Pepper-wort, <i>Lepidium</i>
 Percepier, <i>Aphanes</i>
 Periwinkle, <i>Vinca</i>
 Persicaria, <i>Polygonum</i>
 Pestilent-wort, <i>Tussilago</i>
 Petroseline Wortle, <i>Apium</i>
 Petty Madder, <i>Crucianella</i>
 Petty Whin, <i>Ononis</i>
 Pharoah's Fig, <i>Musa</i>
 Pharoah's Fig, <i>Ficus</i>
 Pheasant's Eye, <i>Adonis</i>
 Phyllyrea, False, <i>Rhamnus</i>
 Phu, <i>Valeriana</i>
 Physic, Nut, <i>Fatropba</i>
 Physic, Nut, <i>Croton</i>
 Physic, Pork, <i>Phytolacca</i>
 Pick-tooth, <i>Daucus</i>
 Pigeon Pea, <i>Cytisus</i>
 Pig Nut, <i>Bunium</i>
 Pig Nut, <i>Juglans</i>
 Pile-wort, <i>Ranunculus</i>
 Pimento, <i>Myrtus</i>
 Pimpernel, <i>Anagallis</i>
 Pimpernel, Water, <i>Veronica</i>
 Pimpernel, Round-leaved Water, <i>Samolus</i>
 Pimpernel, Yellow, of the Woods, <i>Lyfimachia</i>
 Pimpillo, <i>Cactus</i>
 Pinaster, <i>Pinus</i>
 Pine-tree, <i>Pinus</i>
 Pine, Ground, <i>Teucrium</i>
 Pine, Stinking Ground, <i>Camphorosma</i>
 Pine, Heath low, <i>Coris</i>
 Pine-apple, <i>Bromelia</i>
 Pine-apple, Wild, <i>Renealmia</i>
 Pink, <i>Dianthus</i>
 Pink, Indian, <i>Ipomoea</i>
 Pink, Indian, <i>Lonicera</i>
 Pink, Sea, <i>Statice</i>
 Pinpillow, see Pimpillo
 Pipe-tree, <i>Syringa</i>
 Pipe-tree, Pudding, <i>Cassia</i></p> |
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Pipe-

ENGLISH AND SCOTCH NAMES.

Piperidge Bush, *Berberis*
 Pippen, *Pyrus*
 Piquets, *Dianthus*
 Pishamin Plum, *Diospyros*
 Pistacia Nut, *Pistacia*
 Pistacia-tree, Black Virginian,
Hamamelis
 Pistacia, Hazel-leaved, *Hama-
 melis*
 Pitch-tree, *Pinus*
 Plane-tree, *Platanus*
 Plane-tree, False, *Acer*
 Plant, Burning thorny, *Euphorbia*
 Plant, Eg, *Solanum*
 Plant, Humble, *Mimosa*
 Plant, Sensitive, *Mimosa*
 Plant, Bastard sensitive, *Æschy-
 nomene*
 Plantain, *Plantago*
 Plantain, Water, *Alisma*
 Plantain, Least Water, *Limosella*
 Plantain, Star headed Water,
Alisma
 Plantain Shot, *Canna*
 Plantain-tree, *Musa*
 Pliant Mealy-tree, *Viburnum*
 Plowman's Spikenard, *Baccharis*
 Plowman's Spikenard, *Gonyza*
 Plum-tree, *Prunus*
 Plum, American Black, *Chryso-
 balanus*
 Plum, Bay, *Psidium*
 Plum, Brasilian, *Spondias*
 Plum, Cocoa, *Chryso-balanus*
 Plum, Hog, *Spondias*
 Plum, Indian Date, *Diospyros*
 Plum, Maiden, *Chryso-balanus*
 Plum, Pishamin, Persimon, or
 Pitchumon, *Diospyros*
 Poccoon, see Puccoon
 Pockwood, *Guaicum*
 Poet's Cassia, *Osyris*
 Poet's Rosemary, *Osyris*
 Poison Ath, *Rhus*

Poison Berry, *Cestrum*
 Poison Bush, *Euphorbia*
 Poison Oak, *Rhus*
 Poison Tree, *Rhus*
 Poke, Virginian, *Phytolacca*
 Poley Mountain, *Teucrium*
 Poley Grass, *Lythrum*
 Polypody, *Polypodium*
 Pomegranate, *Punica*
 Pompion, *Cucurbita*
 Pond-weed, *Potamogeton*
 Pond-weed, Triple-headed, *Zan-
 nichellia*
 Poplar, *Populus*
 Poppy, *Papaver*
 Poppy, Horned, *Chelidonium*
 Poppy, Prickly, *Argemone*
 Poppy, Spatling, *Cucubalus*
 Pork Physic, *Phytolacca*
 Potatoe, *Solanum*
 Potatoe, Indian, *Dioscorea*
 Potatoe, Spanish, *Convolvulus*
 Prick Wood, *Euonymus*
 Primrose, *Primula*
 Primrose, Night, *Oenothera*
 Primrose, Peerless, *Narcissus*
 Primrose-tree, *Oenothera*
 Princes Feather, *Amaranthus*
 Privet, *Ligustrum*
 Privet, Evergreen, *Rhamnus*
 Privet, Mock, *Phillyrea*
 Privy-saugh, *Ligustrum*
 Puccoon, *Sanguinaria*
 Pudding-grass, *Mentha*
 Pudding Pipe-tree, *Cassia*
 Puff-balls, *Lycoperdon bov.*
 Pumpion, see Pompion
 Pumpkin, see Pompion
 Purging Grain, Oily, *Sesamum*
 Purging Nut, *Croton*
 Purging Nut, *Jatropha*
 Purging Thorn, *Rhamnus*
 Purple Apple, *Annona*
 Purslane, *Portulaca*

Purslane,

ENGLISH AND SCOTCH NAMES.

Purflane, Horse, *Trianthema*
 Purflane, Sea, *Atriplex*
 Purflane, Water, *Peplis*
 Purflane, Tree Sea, *Atriplex*.

Q.

Quamoclit, *Ipomœa*
 Queen of the Meadows, *Spirœa*
 Queen's July-flower, *Hesperis*
 Queen's Violet, *Hesperis*
 Quick, *Cratægus*
 Quicken, *Sorbus*
 Quickbean-tree, *Sorbus*
 Quince-tree, *Pyrus*
 Quill-wort, *Isoetes lac.*

R.

Radish, *Raphanus*
 Radish, Horse, *Cochlearia*
 Radish, Water, *Sisymbrium*
 Ragged Robin, *Lychnis*
 Ragwort, Common, *Senecio*
 Ragwort, African, *Othonna*
 Ragworts, Sundry, of old Authors, *Senecio*
 Ragworts, Sundry, of old Authors, *Solidago*
 Rampions, Horned, *Phyteuma*
 Rampions, Crested, *Lobelia*
 Rampions, Common Esculent, *Campanula*
 Rampions with scabious Heads, *Fasione*
 Ramsons, *Allium*
 Ranunculus, Globe, *Trollius*
 Rape, *Brassica*
 Rape, Broom, *Onobanche*
 Rape, Cole, *Brassica*
 Rape of Cistus, *Asarum*
 Raspberry, *Rubus*
 Rattle, *Pedicularis*
 Rattle, Yellow, *Rhinanthus*

Rattlesnake Root, Senegaw, *Polygala*
 Rattlesnake Root, Dr. Witts, *Prenanthes*
 Rattlesnake Weed, *Eryngium*
 Redbud, *Cercis*
 Red Whorts, Spanish, *Arbutus*
 Reddish, see Radish
 Reed, *Arundo*
 Reed, Burr, *Sparganium*
 Reed, Indian flowering, *Canna*
 Reed Mace, *Typha*
 Rennet, Cheese, *Galium*
 Rest Harrow, *Ononis*
 Rhamnus, Bastard, *Hippophaë*
 Rhendeer, *Lichen ran.*
 Rhubarb, *Rheum*
 Rhubarb, Monks, *Rumex*
 Ribwort, *Plantago*
 Rice, *Oryza*
 Ricinus, Bastard, *Croton*
 Roane-tree, *Sorbus*
 Robert, Herb, *Geranium*
 Rocambole, *Allium*
 Rock Germander, *Veronica*
 Rock Rose, *Cistus*
 Rocket, *Brassica*
 Rocket, Bastard, *Reseda*
 Rocket, Corn, *Bunias*
 Rocket, Marsh, *Sisymbrium*
 Rocket, Sea, *Bunias*
 Rocket, Square-codded, of Montpellier, *Bunias*
 Rocket, Water, *Sisymbrium*
 Rocket, Winter, *Sisymbrium*
 Rocket or Dame's, Violet, *Hesperis*
 Rod, Aaron's, *Solidago*
 Rod, Golden, *Solidago*
 Rod-tree, Golden, *Bosea*
 Rod, Shepherd's, *Dipsacus*
 Roe-buck Berries, *Rubus sax.*
 Root, Indian Arrow, *Maranta*
 Root, China, *Smilax*

Root,

ENGLISH AND SCOTCH NAMES.

Root, False China, *Senecio*
 Root, Fever, *Triosteum*
 Root, Hollow, *Adoxa*
 Root, Rose, *Rhodiola*
 Root, Snake, *Aristolochia*
 Root, Snake, black or wild, of
 America, *Athæa*
 Root, Dr. Witts's Rattlesnake,
Prenanthes
 Root, Senegaw Rattlesnake, *Po-
 lygala*
 Root, Sweet, *Glycyrrhiza*
 Rose, *Rosa*
 Rose, China, *Hibiscus*
 Rose, Christmas, *Helleborus*
 Rose, Corn, *Papaver*
 Rose, Gelder, *Viburnum*
 Rose Gelderland, *Viburnum*
 Rose, Virginian Gelder, *Spiræa*
 Rose, Martinico, *Hibiscus*
 Rose, Rock, *Cistus*
 Rose of Jericho, *Anastatica*
 Rose Bay, *Nerium*
 Rose Bay Dwarf, *Rhododendrum*
 Rose Bay, Mountain, *Rhododen-
 drum*
 Rose Bay Willowherb, *Epilobium*
 Rose Mallow, *Alcea*
 Rose Root, *Rhodiola*
 Rosemary, *Rosmarinus*
 Rosemary, Poet's, *Osyris*
 Rosemary, Wild, *Ledum*
 Rosemary, Lesser wild, *Andro-
 meda*
 Rue, *Ruta*
 Rue, Dog's, *Scrophularia*
 Rue, Goat's, *Galega*
 Rue, Meadow, *Thalictrum*
 Rue, Wall, *Asplenium*
 Rue, Wild Syrian, *Peganum*
 Rupture-wort, *Herniaria*
 Rupture-wort, Least, *Linum*
 Rush, *Juncus*
 Rush, Flowering, *Butomus*

Rush, Lesser flowering, *Scheuch-
 zeria*
 Rush, Round, black-headed,
 Marsh or Bog, *Schoenus*
 Rush, Sweet, *Acorus*
 Rush-grass, *Scirpus*
 Ruyschiana, *Dracocephalon*
 Rye, *Secale*
 Rye, Wild, *Hordeum*
 Rye-grass, *Hordeum*.

S.

Saffron, *Crocus*
 Saffron, Bastard, *Carthamus*
 Saffron, Meadow, *Colchicum*
 Sage, *Salvia*
 Sage, Wild, *Teucrium*
 Sage, Indian Wild, *Lantana*
 Sage, Wood, *Teucrium*
 Sage of Jerusalem, *Pulmonaria*
 Sage of Jerusalem, *Phlomis*
 Sage-tree, *Phlomis*
 Saint Bartholomew's Herb, *Ilex*
 Saint Bruno's Lily, *Hemerocallis*
 Saint John's Bread, *Ceratonia*
 Saint John's-wort, *Hypericum*
 Saint Peter's-wort, *Ascyrum*
 Saint Peter's-wort, *Hypericum*
 Saint Peter's-wort, Shrubby, *Lo-
 nicera*
 Saintfoin, *Hedysarum*
 Sallad, Corn, *Valeriana*
 Sal kali, *Salicornia*
 Sallow, *Salix*
 Salsafy, *Tragopogon*
 Salt-wort, *Salicornia*
 Salt-wort, Black, *Glaux*
 Samphire, *Crithmum*
 Samphire, Golden, *Inula*
 Sandbox-tree, *Hura*
 Sanders, see Saunders
 Sanicle, *Sanicula*
 Sanicle, *Saxifraga*

ENGLISH AND SCOTCH NAMES.

- Sanicle, American Bastard, *Mittella*
 Sanicle, Bear's-car, *Cortusa*
 Sappadillo-tree, *Sloanea*
 Sapota, *Achras*
 Sapota Mammee, *Achras*
 Saracen's Confound, *Solidago*
 Saracen's Confound, The true, *Senecio*
 Saracen's Wound-wort, *Solidago*
 Saracen's Wound-wort, The true, *Senecio*
 Sassafras-tree, *Laurus*
 Sassafras, see Salsafy
 Sattin-flower, *Lunaria*
 Sattin, White, *Lunaria*
 Sauce alone, *Erysimum*
 Savin, *Juniperus*
 Savin-tree, Indian, *Bauhinia*
 Saunders, *Santalum*
 Savory, *Saturcia*
 Savoys, *Brassica*
 Saw-wort, *Serratula*
 Saxifrage, *Saxifraga*
 Saxifrage, Burnet, *Pimpinella*
 Saxifrage, Golden, *Chrysosplenium*
 Saxifrage, Meadow, *Peucedanum*
 Scabious, *Scabiosa*
 Scabious, Sheep's, *Jasione*
 Scallion, *Allium*
 Scammony, Syrian, *Convolvulus*
 Scammony of Montpelier, *Cynanchum*
 Sciatica Cress, The true, *Lepidium*
 Sciatica Cress, *Iberis*
 Scorching Fennel, *Thapsia*
 Scorpion-grass, *Scorpiurus*
 Scorpion-grass, Mouse-ear, *Myosotis*
 Scorpion Senna, *Coronilla*
 Scorpion's Thorn, *Ulex*
 Screw-tree, see Skrew-tree
 Scull-cap, see Skull-cap
 Scurvy-grass, *Cochlearia*
 Sea-beard, *Conserva rup.*
 Sea Weed, *Fucus*
 Sebesten, *Cordia*
 Sedum Pyramidal, *Saxifraga*
 Seed, Heart, *Cardiospermum*
 Segs, *Iris pseu.*
 Self-heal, *Brunella*
 Self-heal, *Sanicula*
 Senna of the Shops, *Cassia*
 Senna, Bastard, *Cassia*
 Senna, Bastard, *Colutea*
 Senna, Jointed podded Bladder, *Coronilla*
 Senna, Scorpion, *Coronilla*
 Senna, Wild, *Cassia*
 Senegaw Rattlesnake Root, *Polygala*
 Sengreen, *Sempervivum*
 Sensitive Plant, *Mimosa*
 Sensitive Plant, Bastard, *Eschy-nomene*
 Septfoil, *Tormentilla*
 Sermountain, *Laserpitium*
 Serpent Cucumber, *Trichosanthes*
 Serpent's Tongue, *Ophioglossum*
 Service-tree, *Sorbus*
 Service, Maple-leaved, *Crataegus*
 Service, Wild, *Crataegus*
 Setfoil, see Septfoil
 Setwall, see Zedoary
 Setwall, Garden, *Valeriana*
 Setter-wort, *Helleborus*
 Shaddock, *Citrus*
 Shallot, see Eschalot
 Shavegrass, *Equisetum*
 Sheep Scabious, *Jasione*
 Shepherd's Needle, *Scandix*
 Shepherd's Pouch, *Thlaspi*
 Shepherd's Rod, *Dipsacus*
 Shepherd's Staff, *Dipsacus*
 Shot, Indian, *Canna*
 Shot, Plaintain, *Canna*

ENGLISH AND SCOTCH NAMES.

Sickle-wort, <i>Coronilla</i>	Soloman's Seal, <i>Convallaria</i>
Side-saddle Flower, <i>Sarracena</i>	Solomon's Seal, Pennsylvanian, <i>Uvularia</i>
Silk Cotton-tree, <i>Bombax</i>	Sorgo, <i>Holcus</i>
Silk, Virginian, <i>Periploca</i>	Sorrel, <i>Rumex</i>
Silver Bush, <i>Arbyllis</i>	Sorrel, Indian Red, <i>Hibiscus</i>
Silver-tree, <i>Presea</i>	Sorrel, Indian White, <i>Hibiscus</i>
Silver-weed, <i>Potentilla</i>	Sorrel, Wood, <i>Oxalis</i>
Simpla Nobla, <i>Phyllis</i>	Sorrel-tree, <i>Andromeda</i>
Simpler's Joy, <i>Verbena</i>	Sorrowful-tree, <i>Nyctanthes</i>
Skirret, <i>Sium</i>	Sour Gourd, Æthiopian, <i>Adan-sonia</i>
Skull-cap, <i>Scutellaria</i>	Sour Soap, <i>Annona</i>
Skrew-tree, <i>Helicteres</i>	Southernwood, <i>Artemisia</i>
Sloe-tree, <i>Prunus</i>	South-sea Tea, <i>Ilex</i>
Sloke, <i>Ulva</i>	Sow-bread, <i>Cyclamen</i>
Smallage, <i>Apium</i>	Sowruck, <i>Rumex acet.</i>
Snails, <i>Medicago</i>	Sow Thistle, <i>Sonchus</i>
Snail Clover, <i>Medicago</i>	Sow Thistle, <i>Preuanthes</i>
Snail Trefoil, <i>Medicago</i>	Sow Thistle, Downy, <i>Andryala</i>
Snakeweed, <i>Polygonum</i>	Sow Thistle, Tangier, <i>Scorzonera</i>
Snake Root, <i>Aristolochia</i>	Sparrow-grafs, see Asparagus
Snake Root, Black or Wild, of America, <i>Actæa</i>	Sparrow-wort, <i>Passerina</i>
Snap-tree, <i>Justicia</i>	Sparrow-wort, Tragus's, <i>Stellera</i>
Snap Dragon, <i>Antirrhinum</i>	Spatling Poppy, <i>Cucubalus</i>
Snap Dragon of America, <i>Ruellia</i>	Spear-wort, <i>Ranunculus</i>
Sneeze-wort, <i>Achillea</i>	Speerage, see Asparagus
Sneeze-wort, Austrian, <i>Xeranthemum</i>	Speedwell, <i>Veronica</i>
Snowball-tree, <i>Viburnum</i>	Speedwell, Female, <i>Antirrhinum</i>
Snowberry-bush, <i>Lonicera</i>	Spice Wood, <i>Laurus</i>
Snowdrop, <i>Galanthus</i>	Spice, All, <i>Myrtus</i>
Snowdrop, Greater, <i>Lencojum</i>	Spider-wort, <i>Anthericum</i>
Snowdrop-tree, <i>Chionanthus</i>	Spider-wort, Great Savoy, <i>Hemerocallis</i>
Soap Apple, <i>Sapindus</i>	Spider-wort, Virginian, <i>Tradescantia</i>
Soap Berry, <i>Sapindus</i>	Spignel, <i>Athamanta</i>
Soap-wort, <i>Saponaria</i>	Spignel, Wild, <i>Seseli</i>
Soldanel, <i>Soldanella</i>	Spike-grafs, Winged, <i>Stipa</i>
Soldanel of the Shops, <i>Convulvulus</i>	Spikenard, Indian, or True *
Soldier, Water, <i>Stratiotes</i>	Spikenard, Bastard French, <i>Nardus</i>
Soldier, Fresh Water, <i>Stratiotes</i>	
Soldier's Cullions, <i>Orchis</i>	

* Unknown.

ENGLISH AND SCOTCH NAMES.

- Spikenard, Celtic, *Valeriana*
 Spiknard, Falso, *Lavandula*
 Spikenard, Plowman's, *Baccharis*
 Spikenard, Plowman's, *Conyza*
 Spikenard, Wild, *Asarum*
 Spinach, *Spinacia*
 Spinach, Strawberry, *Blitum*
 Spindle-tree, *Euonymus*
 Spindle-tree, Climbing, *Celastrus*
 Spindle-tree, Bastard, *Kiggellaria*
 Spindle-tree, Bastard, *Celastrus*
 Spiræa Frutex, *Spiræa*
 Spiræa, African, *Diosma*
 Spirting Cucumber, *Momordica*
 Spleen-wort, *Asplenium*
 Spleen-wort, Rough, *Lonchitis*
 Spleen-wort, Rough, *Polypodium*
 Spoon-wort, *Cochlearia*
 Sponge, *Spongia*
 Sponge-tree, *Memosa*
 Spurge, *Euphorbia*
 Spurge, Bastard, *Euphorbia*
 Spurge Laurel, *Daphne*
 Spurge Olive, *Daphne*
 Spurrey, *Spergula*
 Squash, *Cucurbita*
 Squill, *Scilla*
 Squill, Lesser White, *Pancreatium*
 Staff-tree, *Celastrus*
 Staff, Shepherd's, *Dipsacus*
 Stag's-horn-tree, *Rhus*
 Star of Alexandria, *Ornithogalum*
 Star Apple, *Chrysohyllum*
 Star of Bethlehem, *Ornithogalum*
 Star of Constantinople, *Ornithogalum*
 Star Hyacinth, *Scilla*
 Star of Naples, *Ornithogalum*
 Star Thistle, *Centaurea*
 Star-wort, *Aster*
 Star-wort, Bastard, *Bupthalmum*
 Star-wort, Trailing, of Vera-Cruz, *Tridax*
 Star-wort, Yellow, *Inula*
 Star-wort, Yellow, *Bupthalmum*
 Staves Acre, *Delphinium*
 Stich-wort, *Stellaria*
 Stink-horns, *Phallus*
 Stock, *Cheiranthus*
 Stock July-flower, *Cheiranthus*
 Stock, Dwarf Annual, *Hesperis*
 Stock, Virginian, *Hesperis*
 Stone Crop, *Sedum*
 Stone-crop-tree, *Chenopodium*
 Stone Parsley, *Bubon*
 Stone Parsley, Bastard, *Sison*
 Storax-tree, *Styrax*
 Storax, Liquid, *Liquidambar*
 Strawberry, *Fragaria*
 Strawberry, Barren, *Potentilla*
 Strawberry, Barren, *Fragaria*
 Strawberry Blite, *Blitum*
 Strawberry Spinach, *Blitum*
 Strawberry-tree, *Arbutus*
 Succory, *Cichorium*
 Succory, Gum, *Chondrilla*
 Succory, Wart, *Lapsana*
 Sugar Cane, *Saccharum*
 Sulphur-wort, *Peucedanum*
 Sultan-flower, *Centaurea*
 Sumach, *Rhus*
 Sumach, Myrtle-leaved, *Coriaria*
 Sumach, Tanner's or Currier's, *Coriaria*
 Sundew, *Drosera*
 Sun-flower, *Helianthus*
 Sun-flower, Bastard, *Helenium*
 Sun-flower, Dwarf, *Rudbeckia*
 Sun-flower, Dwarf, *Tetragonotheca*
 Sun-flower, Little, *Cistus*
 Sun-flower, Tickfeeded, *Coreopsis*

Sun-

ENGLISH AND SCOTCH NAMES.

Sun-flower, Willow-leaved, *Helenia*
 Superb Lily, *Gloriosa*
 Swallow-wort, *Asclepias*
 Sweet Briar, *Rosa*
 Sweet Cicely, *Scandix*
 Sweet Gum, *Liquidambar*
 Sweet John, *Dianthus*
 Sweet Root, *Glycyrrhiza*
 Sweet Sop, *Annona*
 Sweet Suitan, *Centaurea*
 Sweet Weed, *Capraria*
 Sweet William, *Dianthus*
 Sweet William of Barbadoes, *Ipomœa*
 Swine's Cress, *Cochlearia*
 Sycamore, *Ficus*
 Sycamore, False, *Acer*
 Syringa, commonly called, *Philadelphus*.

T.

Tacamahaca, *Populus*
 Tallow-tree, *Croton*
 Tamarind-tree, *Tamarindus*
 Tamarisk, *Tamarix*
 Tansey, *Tanacetum*
 Tansey, Wild, *Potentilla*
 Tare, *Vicia*
 Taragon, *Artemisia*
 Tarton-raire, *Daphne*
 Tea-tree, *Thea*
 Tea, False, *Ilex*
 Tea, New Jersey, *Ceanothus*
 Tea, Oswego, *Menarda*
 Tea, Paraguay, *Ilex*
 Tea, South-sea, *Ilex*
 Teasel, *Dipsacus*
 Tent-wort, *Asplenium*
 Thistle, *Carduus*
 Thistle, Blessed, *Cnicus*
 Thistle, Carline, *Carlina*
 Thistle, Distaff, *Atractylis*

Thistle, Distaff, *Carthamus*
 Thistle, Fish, *Carduus*
 Thistle, Fuller's, *Dipsacus*
 Thistle, Gentle, *Carduus*
 Thistle, Globe, *Echinops*
 Thistle, Golden, *Scolymus*
 Thistle, Hedge-hog, *Caëtus*
 Thistle, Holy, *Cnicus*
 Thistle, Ladies, *Carduus*
 Thistle, Melancholy, *Carduus*
 Thistle, Melon, *Caëtus*
 Thistle, Milk, *Carduus*
 Thistle, Soft, *Carduus*
 Thistle, Sow, *Sonchus*
 Thistle, Sow, *Prenanthes*
 Thistle, Downy Sow, *Andryala*
 Thistle, Star, *Centaurea*
 Thistle, Torch, *Caëtus*
 Thistle, Woolly, *Onopordon*
 Thongs, *Fucus lor.*
 Thorn, Black, *Prunus*
 Thorn, Box, *Lycium*
 Thorn, Christ's, *Rhamnus*
 Thorn, Egyptian, *Mimosa*
 Thorn, Evergreen, *Mespilus*
 Thorn, Goat's, *Astralagus*
 Thorn, Lily, *Catesbœa*
 Thorn, Purging, *Rhamnus*
 Thorn, Scorpion's, *Ulex*
 Thorn, Spanish Hedge-hog, *Anthyllis*
 Thorn, White, *Cratægus*
 Thorn, Apple, *Datura*
 Thorny Plant, Burning, *Euphorbia*
 Thorough Wax, *Bupleurum*
 Three Faces under a Hood, *Viola*
 Three-leav'd Grass, *Trifolium*
 Thrift, *Statice*
 Throat-wort, *Campanula*
 Throat-wort, Blue umbelliferous, *Trachelium*
 Thyme, *Thymus*
 Thyme, Dodder of, *Cuscuta*
 Thyme,

ENGLISH AND SCOTCH NAMES.

Thyme, Mastick, *Saturcia*
 Tickseed, *Corispermum*
 Tills, *Ervum*
 Timothy-grass, *Phleum*
 Tinker's Weed, *Trioesteum*
 Toad Flax, *Antirrhinum*
 Tobacco, *Nicotiana*
 Tolu tree, Balsam of, *Toluifera*
 Tomatoes, *Solanum*
 Tooth-ach-tree, *Zanthoxylum*
 Tooth-pick, *Daucus*
 Tooth-wort, *Dentaria*
 Tooth-wort, *Plumbago*
 Torch Thistle, *Cactus*
 Tormentil, *Tormentilla*
 Touch me not, *Impatiens*
 Touch me not, *Momordica*
 Tower Mustard, *Turritis*
 Tower Mustard, Bastard, *Arabis*
 Tragacanth, Gum, *Astragalus*
 Tragus's Sparrow-wort, *Stellera*
 Traveller's Joy, *Clematis*
 Treacle Mustard, *Clypeola*
 Treacle Mustard, *Thlaspi*
 Tree Moss, *Lichen*
 Trefoil, *Trefolium*
 Trefoil, Bean, *Cytisus*
 Trefoil, Stinking Bean, *Anagyris*
 Trefoil, Bird's foot, *Lotus*
 Trefoil, Marsh, *Menyanthes*
 Trefoil, Moon, *Medicago*
 Trefoil, Shrub, *Ptelea*
 Trefoil of Montpellier, Shrub,
Lotus
 Trefoil, Snail, *Medicago*
 Trefoil, Thorny, of Candia, *Fa-*
gonia
 Trefoil Tree, *Cytisus*
 Trefoil, Base-tree, *Cytisus*
 Trinity-herb, *Viola*
 Triple Ladies Traces, *Ophrys*
 True-love, *Paris*
 True-love of Canada, *Trillium*
 Truffles, *Lycoperdon tub.*

Trumpet-flower, *Bignonia*
 Tuberose, *Polyanthes*
 Tulip, *Tulipa*
 Tulip, African, *Hæmanthes*
 Tulip, Chequer'd, *Fritillaria*
 Tulip-flower, *Bignonia*
 Tulip-tree, *Liriodendrum*
 Tulip-tree, Laurel-leaved, *Mag-*
nolia
 Tun Hoof, *Glechoma*
 Tupelo-tree, *Nyssa*
 Turbith Indian, or of the Shops,
Convolvulus
 Turbith, Garganic, *Thapsia*
 Turkey-feather, *Ulva pav.*
 Turk's Cap, *Lilium*
 Turk's Head, *Cactus*
 Turk's Turban, *Ranunculus*
 Turnep, *Brassica*
 Turnep, French, *Brassica*
 Turmerick, *Curcuma*
 Turnsole, *Heliotropium*
 Turpentine-tree, *Pistacia*
 Tutfan, *Hypericum*
 Twopence, Herb, *Lysimachia*
 Tway Blade, *Ophrys*
 Twy Blade, *Ophrys*.

V.

Valerian, *Valeriana*
 Valerian, Greek, *Polemonium*
 Vanilla, or Vaneloe, *Epidendrum*
 Vernal-grass, *Anthoxanthum*
 Venus's Comb, *Scandix*
 Venus's Looking-glass, *Campa-*
nuia
 Venus's Navel-wort, *Cynoglof-*
sum
 Vervain, *Verbena*
 Vervain Mallow, *Malva*
 Vetch, *Vicia*
 Vetch, Ax, see Hatchet Vetch
 Vetch, Bitter, *Ervum*

Vetch,

ENGLISH AND SCOTCH NAMES.

- Vetch, Bitter, *Orcus*
 Vetch, Jointed Podded Bitter, *Ereum*
 Vetch, Chichling, *Lotbyrus*
 Vetch, Crimson Grass, *Lathyrus*
 Vetch, Hatchet, *Coronilla*
 Vetch, Clufius's foreign Hatchet, *Biserrula*
 Vetch, Horse-shoe, *Hippocrepis*
 Vetch, Kidney, *Anthyllis*
 Vetch, Liquorice, *Astragalus*
 Vetch, Knobbed-rooted Liquorice, *Glycine*
 Vetch, Milk, *Astragalus*
 Vetch, Bastard Milk, *Phaca*
 Vetch, Venetian, *Orobis*
 Vetch, Medic, *Hedysarum*
 Vetchling, *Hedysarum*
 Vetchling, Medic, *Hedysarum*
 Vetchling, Yellow, *Lathyrus*
 Viburnum, American, *Lantana*
 Vine, *Vitis*
 Vine, Black, *Tamus*
 Vine, Climbing five-leaved, of Canada, *Hedera*
 Vine, Spanish Arbor, *Ipomoea*
 Vine, White, *Bryonia*
 Violet, *Viola*
 Violet, Bulbous, *Galanthus*
 Violet, Calathian, *Gentiana*
 Violet, Dame's, *Hesperis*
 Violet, Dog's Tooth, *Erythronium*
 Violet, Queen's, *Hesperis*
 Violet, Water, *Hottonia*
 Viper's Buglos, *Echium*
 Viper's Grass, *Scorzonera*
 Virgin's Bower, *Clematis*
 Vitæ, Arbor, *Thuja*
 Vitæ, Lignum, *Guaiacum*
 Umbrella-tree, *Magnolia*.
- W.
- Walnut, *Juglans*
 Walnut, Jamaica, *Hura*
 Wall-wort, *Sambucus*
 Wanhom, *Kæmpferia*
 Ware-sea, *Fucus ves.*
 Wart Succory, *Lapsana*
 Wart-wort, *Euphorbia*
 Wart-wort, *Heliotropium*
 Wart-wort, *Lapsana*
 Water-leaf, *Hydrophyllum*
 Water Soldier, *Stratiotes*
 Wayfaring-tree, *Viburnum*
 Weld, *Reseda*
 Wheat, *Triticum*
 Wheat, Buck, *Polygonum*
 Wheat, Cow, *Mylampyrum*
 Wheat, French, *Polygonum*
 Wheat, Indian, *Zea*
 Wheat, Turkey, *Zea*
 Whin, *Ulex*
 Whin, Petty, *Ononis*
 Whistles, Sea, *Fucus nod.*
 White Beam-tree, *Cratægus*
 White Leaf-tree, *Cratægus*
 White Sattin, *Lunaria*
 White Wood, *Bignonia*
 Whitlow Grass, *Draba*
 Whitlow Grass, Rue-leaved, *Saxifraga*
 Whortle Berry, *Vaccinium*
 Whortle Berry, African, *Royena*
 Whorts, Black, *Vaccinium*
 Whorts, Bog, *Vaccinium*
 Whorts, Red, *Vaccinium*
 Whorts, Spanish Red, *Arbutus*
 Wicken-tree, *Sorbus*
 Widow Wail, *Cneorum*
 Willow, *Salix*
 Willow, French, *Epilobium*
 Willow, Spiked, of Theophrastus, *Spiræa*
 Willow, Sweet, *Myrica*
 Willow, Herb, *Epilobium*
 Willow, Herb, *Lythrum*
 Willow,

Wake Robin, *Arum*
 Wall-flower, *Cheiranthus*

Willow,

ENGLISH AND SCOTCH NAMES.

Willow, Herb, *Lyfmachia*
 Willow Herb, Rosebay, *Epilobium*
 Wind-flower, *Anemone*
 Wind-ſeed, *Arctotis*
 Winged ſpiked Grafs, *Stipa*
 Winter Berry, *Prinos*
 Winter Bloom, *Azalea*
 Winter Cherry, *Physalis*
 Winter Cherry, *Solanum*
 Winter Green, *Pyrola*
 Winter Green, Ivy-flowering, *Kalmia*
 Winter Green, with Chickweed Flowers, *Trientalis*
 Winter's Bark, *Laurus*
 Witch Hazel, *Hamamelis*
 Witch Hazel, *Ulmus*
 Woad, *Ifatis*
 Woad, Wild, *Refeda*
 Wolf's Bane, *Aconitum*
 Wolf's Bane, Winter, *Helleborus*
 Wolf's Peach, *Solanum*
 Woodbind, *Lonicera*
 Woodbind, Spaniſh, *Ipomoea*
 Wood of Life, *Guaiacum*
 Wood Anemone, *Anemone*
 Wood Sorrel, *Oxalis*
 Woodroof, *Asperula*

Woodwaxen, *Geniſta*
 Worm-graſs, *Spigelia*
 Worm-ſeed, *Chenopodium*
 Wormwood, *Artemiſia*
 Wormwood, Wild, *Parthenium*
 Wortle, Petroſeline, *Apium*
 Would, *Refeda*
 Wound-wort of Achilles, *Achillea*
 Wound-wort, Clown's, *Stachys*
 Wound-wort, Saracen's, *Solidago*
 Wound-wort, Saracen's, the true, *Senecio*
 Wrack, *Fucus*
 Wrack, Grafs, *Zoſtera*.

Y.

Yams, *Dioſcorea*
 Yapon, *Ilex*
 Yarrow, *Achillea*
 Yellow Weed, *Refeda*
 Yerva Mora, *Boſea*
 Yew-tree, *Taxus*.

Z.

Zedoary, round, *Kæmpferia*
 Zedoary, long, *Amomum*
 Zerumbith, *Amomum*.

F I N I S.





