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Q. F. F. S.

FLORA BELGICA.

QVAM

CONSENS. NOBIL. NEC NON EXPER. ORD. MED.
IN ILLUST. AD SALAM SVION. ATHENÆO,

SUB PRÆSIDIO

VIRI NOBILISSIMI ET EXPERIENTISSIMI

DN. DOCT. CAROLI
LINNÆI,

EQVITIS AURATI DE STELLA POLARI

S:Æ REG. M:TIS ARCHIATRI

MED. ET BOTAN. PROFESSORIS REG. ET ORD.

ACAD. UPS. HOLMIENS. PETROPOL. BEROL.

IMPERIAL. LONDIN. MONSPEL. TOLOS.

FLORENT. SOCIO.

AD PUBLICUM EXAMEN DEFERT

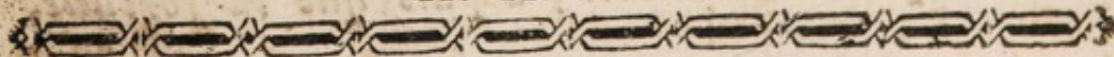
CHRISTIAN. FR. ROSENTHAL,

LINCOPIA O-GOTHUS.

IN AUDIT. CAROL. MAJ. DIE XV. OCTOBR.

ANNO MDCCLX.

H. A. M. S.



U P S A L I Æ.

A
MONSIEUR LE COMTE
AXEL
FREDRIC
CRONHIELM,
Major au Regiment d'Infanterie de Österbottn.

MONSIEUR,

Regardés, je VOUS supplie, d'un oeil
gracieux, que j'ose mettre a vos pieds,
le petit ouvrage Academique, que j'ai
l'honneur de VOUS offrir. Ce sont des plantes
donc il traite, et que la Nature les a fait naitre
aux environs de Holland. La plupart embelissent
les prairies, dans notre chere patrie. C'est je l'
avoue une liberté, assez grande, que je me prens;
mais elle est toute pleine de Veneration. Elle ne
se fonde que sur la bonté extraordinaire, dont il
VOUS a plu me combler, depuis que la fortune,
m'a

m' a favorisé. En me confiant le soin d' une
jeune plante heureusement issue d' une si illustre
maison, dont j' emprunte l' éclat de son illustre
nom, pour en donner à ce petit recueil. Le
gout, que VOUS avez pour les sciences, & sur
tout la Botanique, semble m' en autoriser & par
la quelle la Médecine a atteint au point d' admi-
ration, ou elle est aujourd'hui. Fasse le CIEL quil
VOUS comble de tous les dons de la fortune,
que peuvent jouir les heureux mortels. Le plus
grand de mes desirs sera satisfait; je suis avec un
profond respect,

MONSIEUR,

*Votre très humble &
très obeissant serviteur,*

CHRIST. FRED. ROSENTHAL.

Dem
Edlen und Groß-achtbaren Herrn
Herrn CONRAD THEODOR
ROSENTHAL,

Wohlberühmtem Apothekern zu Linkiöping.

Meinem Hochgeehrten und Lieben Vater.

SSeder die Beyspiele der Geschichte, in welchen man siehet, daß die Dankbarkeit zu allen Zeiten und bey allen Völkern für eine grosse Tugend ist gehalten worden, noch die Exempel der Geschöpfe, die fast alle nach ihrer Art, ihre Erkäntlichkeit zu zeigen wissen, sondern eine, mit Ehrfurcht vermischte, Liebe treibet mich an, bey dieser Gelegenheit, mein dankbares Herz an den Tag zu legen, wenn ich, Ihnen, meinem Lieben Vater diese Blätter zueigne. Was ist wohl billiger, wenn meine erste Academische Probe in einer Abhandlung von Blumen bestehet, als daß ich, Ihnen, meinem Lieben Vater, die Blüthe meiner Jugend-Früchten widme; denn Ihrer liebevollen Sorgfalt, Liebster Vater, habe ich zu danken, daß ich dieses ins Licht zu geben tüchtig geworden bin. Ihre immerwährende Gewogenheit ist das was ich mir ausbitte. Ihre zahlreiche und glückselige Tage ist das was mich immer erfreuen wird, und das ich unaufhörlich von Herzen wünsche. Ich verharre mit aller Ehrerbietung

Meines Hochgeehrten und Lieben Vaters

gehorsamster Sohn,
C. F. ROSENTHAL.



B. C. D.

§. I.



BELGIUM FOEDERATUM VII
constat Provinciis: HOLLANDIA,
ZELANDIA, ULTRAJECTINA,
GELDRIA, TRANSISALANA, GRO-
NINGIA, FRISIA: ceterum in meri-
dionalem & septentrionalem partem latius etjam di-
viditur. Limites habet versus *meridiem* Brabanti-
am; ab *oriēte* Germaniam; a *septentrione* mare
Germanicum; ab *occidente* Oceanum seu fretum
quod Angliam & Hollandiam dirimit.

§. II.

HOLLANDIA pars præcipua & maxima Bel-
gii, ob situm depressum ita dicta est: Provincia hæc
cum ipso mari horizontaliter æqualem habet altitu-
dinem, a quo disjungitur *Dunis* seu jugis arenariis
(zeeduynen) a natura e maris arena conjectis, atque
his deficientibus, ars *Aggeres*, qui lapidibus muniun-
tur, exstruxit ad mare excludendum, totam alioquin
inundaturum Provinciam. Sed quum imbres & a-

A

qua

qua ab ipso aëre defluens tanta facile copia congregari posset, ut solum hoc subpaludosum inundaretur, in parva dividitur hæc terra jugera, quemadmodum agri nostri *Lacunis* (*Slooteen*) distincta, in quas defluit aqua, quæ etiam pratis loco sepimenti inserviunt; inter has majores profundioresque passim ducuntur *Fossæ* (*Weeteringen*), ceterarum quasi matres, in quas minores aquam exonerant. Deinde magni *Canales* (*Buizenwaters*) latitudinem amnis Upsaliensis æquantes, ab una ad alteram urbem, immo etiam multis aliis locis sunt effossi, omnes in oceanum exeunt. Hi canales, imprimis qui navigantur, incredibili sumtu sæpius palis sunt firmati, ut latera perpendicularia persistant, & terra e canalibus ejecta, a lateribus vallis instar aggesta est, ne aqua, quæ in his ipsum solum sæpe superat altitudine, defluat, quæ ab una parte pro via publica sæpe complanata atque parata conspicitur. Exiguæ ad fossas *Molæ alatæ* sunt constructæ, quarum alæ, minimo etiam vento circumvolvuntur: harum est negotium per *Cochleas Archimedis* aquam ex Fossis in ipsos Canales evomere, quamque sæpe tanta in copia canalibus ingerunt, ut in his aqua altius ipsa adjacente terra exsurgat. Ad ostia canalium, ubi in mare egrediuntur, in aggeribus *Fores* seu valvulæ constructæ sunt, quæ, ut defluat aqua, existente maris defluxu aperiuntur, sub refluxu autem occluduntur, ne mare intret terramque inundet.

Hæc igitur Provincia facile tota, si loca Germaniæ proxima excipias, ortum versus & aquilonem,

nem, *Pratum* constituit *depressum* ac paludosum, cujusmodi apud nos pratum est regium, si excipiantur *Dunæ* oceanum excludentes, vel interius aliquando obviæ.

§. III.

CLIMA convenit cum *Scaniæ* campestris; *Hierus* enim aquam in glaciem convertit, quæ per unum, vix alterum mensem tantum durat: humilis terræ situs finitimumque mare multos producit vapores, & humidum frigidumque cælum, satis grave vernali, maxime vero tempore autumnali. Ab oceano interdum adscendit, rarius licet, quædam *Nebula spissior* (*Zeevlaam*) quæ passim regionem obumbrat, & plantationibus inimica obambulat.

§. IV.

CIVES neque corpore, neque animo sunt leves, sed firmi atque graves, in novitates quasvis & hypotheses non temere irruunt, nec novis irritantur inventis, sed detecta ex indubiis solidisque principiis ad maximum fastigium deducunt.

Regio quæ per se vix quidquam præter *lactici-
nia*, & quæ a re *pecuaria*, heic præcipue culta, derivantur, producit (*agri* enim tam humili terra institui rarius possunt), omnibus tamen rebus abundat: ex *Polonia Frumentum*, *Ligna* ex *Norvegia* aliisque locis habet, omniaque eo facilius acquirit, quod pecuniis sunt venalia, quarum heic maxima est abundantia, & cives optime nummati ideo æstimantur. Multæ & egregie instructæ *Fabricæ* semper in *Hollandia* magnum obtinuerunt pretium:

Per *commercium* navigatio illud classi eorum robur addidit, ut cum regnis potentissimis Belgæ certent, ideoque regiones sibi majores extra, quam quæ intra Europam possidentur, compararunt: illis subiecta emporia seu *Coloniæ* sunt Africa GUI-
NEA & CAPUT B. SPEI; Indiæ JAVA, CEYLO-
NA, MALABARIA, COROMANDIA, MALAC-
CA, MOLUCCA &c.; Americæ SURINAMUM,
CURACOE, BARBYSA, ubi plantatæ sunt Cacao,
Saccharum &c. Plerorumque *Aromatum*, quæ in
Europa importantur, sunt possessores, qualia sunt
Cinnamomum, *Caryophylli*, *Nuces Myristicæ* &
Macis, *Piper* &c. Situs illorum in medio Europæ
maximæ florentis, propinquitas maris & percom-
modus trajectus, commodam valde reddunt *mer-*
caturam.

Libertatis semper fuerunt studiosi, quam etiam
impense concorditerque defenderunt, optime gnari,
quod *concordia res parvæ crescant*, hinc etiam
quanta concedi unquam possit, libertatem in regio-
ne sua aliis permittunt, inque illos quadrat illud:
Nec supplex turba timebat ora judicis sui, sed e-
rant, sine crimine, tuti: Præter florentem *Religio-*
nem Reformatam omnibus fere sectis libertatem
permiserunt. *Ædes* sacras & *synagogas* Judæi,
Romano-Catholici, Armeniani, Lutherani, Quakeri
Memnonitæ, Mahometani &c. heic habent; dicere e-
nim Belgæ solent, quod si a DEO in terra toleren-
tur, in Hollandia eos tolerari oporteat. Exteri
illis objiciunt, quod in urbibus suis vastissimis *Fu-*
res

res minores & *lupariaria* ferant, sed causa prae-
gnans ad hoc impellere videtur, nam per illos ma-
gis sceleratos inhihent & capiunt; per hæc vero ab
Indiis venientes nummatis & salaces nautas do-
mant, qui fructum laborum suorum sine graviori-
bus adulteriis & infanticidiis percipiunt. Gens lu-
xu in vestibus & epulis minus indulget, si excipias
Theam & Coffeam, sed splendidis *Palatiis*, comite
ordinatis, optimeque purgatis, immo purissimis
lotisque concamerationibus delectatur.

Nusquam majori commoditate *iter* constitui-
tur, quam heic illorum *navigiis palustribus* (Trek
Schuyten) quæ alternis fere horis Canales pertran-
seunt, ab una ad alteram urbem equo promota, in
quibus permulti homines, tecti velut vehiculo, a
pluvia & aëre immunes, sedere possunt.

Scientias maxima cum sollicitudine semper
coluerunt Belgæ, illustrissimæ hinc sunt ipsis Aca-
demiæ, ut LEIDENSIS, ULTRAJECTINA,
HARDEROVICENSIS, GRONINGENSIS, FRA-
NEQVERIANA, ad quas studiosi ex *Germania*,
Anglia, *Gallia*, *Italia*, *Rutheno*, *Svecia*, *Dania* &c.
affluunt: Doctissimos quoque viros, sæpe ab exte-
ris, *Professores* elegerunt, ut emulationem excita-
rent, eaque Academies redderent illustriores.

§. V.

Provincia per se simplicissima, multorum ta-
men opibus & ingeniis omnium amænissima facta
est, non tantum per urbes magnificas *Amsteloda-*
mun, *Roterodanum*, *Leydam*, *Delphiam*, *Ultra-*

jectum, Middelburgum, Hagam &c. sed etiam per pascua præstantissima, cum per *Prædia* egregiis palatiis hortisque ornata, imprimis utrinque ad Canales sita, quæ inter se splendore, amœnitate & ordine certant, ut peregrinus hic primum adveniens omnemque hanc magnificentiam videns, non possit non in summam rapi admirationem.

§. VI.

CULTURA effecit, ut vix ullus locus maneat incultus, exceptis tantum quibusdam arenariis siccissimis Dunis, Elymo arenario & Arundine arenaria (*helm,*) tantum luxuriantibus, sed in his *Cuniculorum* tanta reperitur copia, ut cum lucro elocentur: Ad dunas tamen plantationes variæ *plantarum officinalium* sunt institutæ, quæ inde per totam fere Europam vendi solent: Nonnulla hinc inde *Saliceta* ad corbes plantata conspiciuntur, præter Arbores ad ambulacra & juxta villas hortosque confitas: Gens pulcerrimis floribus præ reliquis delectatur, ideo præcipue juxta Harlemum plurima atque optima plantarum bulbofarum cultura floret, quæ ibi in terra arenosa felicissime luxuriant, per totam fere postmodum Europam vendenda: Studium ornatus cujuscunque in hoc populo effecit, ut ad suum fere quisque ædificium floribus conspicuum habet *hortulum*, opulentiores vero maximos & splendidissimos adornarunt *Hortos*, arboribus, ambulacris, angiportibus, piscinis, statuis, topiariis conspicuos &c. in quos plurimi rariorum plantarum exoticarum copiam introduxerunt, ut

ut cum prætiocissimis hortis Academicis certent: Ex his memoriæ jam occurrunt CASP. FAGELII, pensionarii ordinum Hollandiæ, hortus Leuvenhorstii, quem vel oculis usurpasse gloriabatur *Tournefortius*. SIMON. BEAUMONTII, Secretarii statuum Hollandiæ, hortus Hagæcomitum a *Kiggelario* descriptus. HIERON. BEVERNINKII hortus Wardemondensis, ex quo *Breynius* in priori suo prodromo, rarissimas suas collegit plantas; ut GEORG. CLIFFORTII hortum Hartecampensem, vere regium, reticeam, in quo Nob. Dn. PRÆSES per triennium occupatus, felicissime Botanicen reformavit. Prætermittam hortos ACADEMICOS elegantissimos hic instructos, inter quos hortus *Leydensis*, qui copia plantarum semper cum Europeis omnibus certavit; *Amstelodamensis*, etiam ob numerosissimas plantas Indicas, easque magnas & rariores, inter præstantissimos semper relatus; *Ultrajectinus*, non quidem amplius, sed amœnus, tamen plantarum rarissimarum admodum locuples, ut de horto *Harderovicensi* & *Hagensi* aliisque nihil dicam.

Quod itaque in naturæ productis deficit huic regioni, id omne ingenium, ars, diligentia & impensæ abunde impleverunt.

§. VII.

FLORA BELGICA, ut ceteræ omnes, plantas alias alere nequit, quam quibus stationes adaptatas & sola natalia dedit natura.

Prata paludosa (Waterland) plerasque absolvunt,

vunt, in quibus præter plantas Europæ communissimas, præcipue in humidis & inter arundines inveniuntur *Sonchus palustris*, *Epilobium hirsutum*, *Althæa officinalis*, *Gentiana pneumonanthe*, *Lythrum hyssopifolia*, *Gratiola officinalis*, & in aridioribus *Salvia verbenaca*, *Cerastium arvense* & *vulgatum* & copiosissime *Bellis perennis*.

§. VIII.

CANALES majores, lenem vehentes aquam, *Nymphæas*; *Potamogetones*; *Polygonum amphibium*; *Sagittariam*; *Myriophyllum*; *Menyanthem Nymphoidem*; *Ranunculum Linguam*, *hederaceum*, *aquatilemque* habent; juxta illarum latera *Cyperus fuscus*, ac *Iris fætidissima*, & in stagminis *Trapa* interdum floret.

DUNÆ arenosæ siccæ & steriles, quæ oceanum a terra distinguunt (ut intra Harlemum & Leydam &c. juxta Katvyck & Noordvyck), præter proprias *Arundinem Elymumque arenarium* varias passim ostendunt plantas, ut sunt *Asparagus*, *Euphorbiæ paralias*, *Sanguiasorba*, *Spartium scoparium*, *Senecio Jacobæa* & in locis depressioribus *Primula elatior*.

LITTORIBUS maritimis crescunt *Eryngium maritimum*, *Atriplex portulacoides*, *Convolvulus Soldanella*, *Sedum Cepæa*, *Crithmum maritimum*.

SYLVÆ vix ullæ in Hollandia stricte nominata, nisi quod arbores quædam passim in elevatis arenariis una crescunt, ut *Populus nigra*, *Quercus*, *Alnus*, *Betula*, *Ulmus* &c. Ejusmodi sunt Syl-

væ Hagensis (*Haagse Bosch*) *Sylvæ Harlemensis* (*Harlemmer hout*) quæ *Ornitogalum umbellatum*, *Fumariam claviculatum*; *Sylvæ Alcmariensis* (*Alcmaers hout*) &c. producant.

SALICETA quæ sunt studio plantata, sæpe *Tussilaginem hybridam* copiose proferunt.

AGRI heic vix occurrunt, antequam *Ultrajectum* & ad *Geldriam* superiorem fuerit perventum, nisi passim juxta *Dunas*.

Rupes, *Nemora*, *Arva*, *Fluvii rapidi*, *Alpes*, *Montes*, *cretacei cumuli* heic nulli, unde etiam tot plantæ, quæ in illis solummodo vivunt, hic non occurrunt.

§. IX.

RARIORES plantæ sunt *Lysimachia punctata*, ad lacum *Harlemensem*; at *Senecio Jacobææ absque radio* (quæ *Senecio Jacobææ folio*. *Morison hist. ii. p. 309*), *Hyoseris minima* & *Hypochoeris radicata* frequentes sunt; in subcultis passim *Glecoma belgica* se sistit.

Leuconymphaea minor Boerb. quæ juxta *Muydam* & *Naarden* crescere perhibetur & *Micronymphaea Boerbavii*, a Nob. Dn. Præsidi non lectæ fuere.

HARDEROVICI *Clematis Vitalba*, *Saxifraga hypnoides*, *Erica arborea* & *multiflora*, *Ornithopus pusillus*.

ULTRAJECTI *Erica cinerea*, *Genista germanica*, *Aristolochia clematidis*, *Illecebrum verticillatum*, *Scopendrium*.

TEXELIS *Smyrniolum Olusatrum*.

VLIELANDIÆ *Cistus guttatus*, a Breynio inventus.

OVERWEEN *Gentiana cruciata*.

CAMPEN, urbs Transifalaniae, *Anthyllis valentina*, *Euphorbia cyparissias*, *Centaurea Calcitrapa*.

HARTECAMPI *Teucrium Scorodonia*.

BREDERODÆ *Arum maculatum*.

VELSEN *Bunium Bulbo-Castanum*.

MUYDENBERG *Eryngium campestre*, *Genista anglica*.

HARLEMI in muris *Antirrhinum Cymbalaria* & in ruderatis *Parietaria offinalis*.

ZEELANDIÆ *Crithmum maritimum*, *Convolvulus Soldanella*, *Atriplex portulacoides*.

OFFICINALES plantæ heic sponte provenientes variæ sunt, ut *Gratiola*, *Althæa*, *Soldanella*, *Arum*, *Asarum*, &c. *Hedera* rusticorum parietes ac ædificia sæpe contegit.

Asparagus vix ullibi in Europa præstantior majorque, quam juxta Harlemum viget.

Equisetum prope Ultrajectum copiose crescit, & cum Boves ex Frisia, illo non adsvetæ, Ultrajectum veniunt & illud comedunt, marcescunt inde & tanquam lento veneno pereunt, teste Bidlo.

§. X.

Plantæ in Belgio non possunt non sollicitè esse investigatæ, in regione ubi tot Botanici præstantissimi floruerunt & terram perquisiverunt, præcipue vero a Botanicis Professoribus Academiae Leydenfis, qui semper operam dederunt, ut hortum Leydensum

densam plurimis, quantum fieri potuit, plantis augerent, ut *Clutius*, *Pavius*, *Vorstii*, *Syenus*, *Hermannus*, *Boerhaavius*, *Royenii*, ut tacéamus *Muntingios*, *Kiggelarium*, *Hartogium*, *Westerbergum*, *Wachendorffium*, *Breynium*, *Moehringium*, *Præsidem*, & ad huc florentes *Gronovium* consulem *Leydensem*; *Royenos*, Profess. Botanices *Leydenses*; *Burm annum* Prof. Botan. *Amstelodamensem*; *Habnium* Profess. Botan. *Ultrajectinum*; duo tamen mihi sunt imprimis Auctores, quibus præcipue fuit scopus, ut exercitum Floræ *Belgicæ* instruerent, nempe *Commelinus* & *Gorterus*.

COMMELINUS *Job.* Senator olim urbis *Amstelodamensis* & præfectus horti Botanici, cujus *Catalogus plantarum indigenarum Hollandiæ. Leydæ 1709. duodecimo*, plantas 776 continet, ordine alphabetico dispositas, cum *Casp. Bauhini* imprimis & antiquiorum synonymis, locisque natalibus.

GORTER *David* antea Professor *Harderovicensis*, hodie Archiater imperatricis *Ruthenicæ* nobilissimus, cujus *Flora Gelro-Zutphanica Harderov. 1745, octavo*, plantas 604 continet, quibus addita *Appendix. Harderov. 1757 octavo*, plantis 80 adaucta, valde compendiose & distincte methodo Nob. Dn. Præsidis, secundum genuina genera & cum propriis differentiis, nominibus indigenis & locis natalibus adornata.

Hos duos, ut Auctores & duces principes, sum secutus, nomina eorum in *Trivialia* reduxi, & pro synonymis numeros ipsorum plantis adjeci,

quorum prior **COMMELINI**, posterior **GORTERI**
 Floram respicit; paucas ex horto *Boerhaavii Lug-*
duno Batavo, signo † apud illum notatas, & non nul-
 las ex horto *Cliffortiano* addidi.

MONANDRIA.

MONOGYNIA.

Salicornia europæa herb. 394, 605
 " " fruticos.

Hippuris vulgaris 200, 1

DIGYNIA.

Callitriche verna 711, 2

DIANDRIA.

MONOGYNIA.

Ligustrum vulgare 429, 3

Circæa lutetiana 700, 4

Veronica longifolia - - 5

spicata - - 6

officinalis 755, 7

Beccabunga - - 9

Anagallis 44, 606

scutellata 43

serpyllifolia - - 8

chamædrys 142, 10

agrestis 23, 12

arvensis' 31, 13

hederifolia 22, 11

triphylla - - 14

Gratiola officinalis 356

Pinguicula vulgaris 607

Verbena officinalis 154, 15

Salvia pratensis - - 17

verbenaca - - 18

Lycopus europæus 463, 16

DIGYNIA.

Anthoxanth. odoratum - - 608

TRIANDRIA.

MONOGYNIA.

Valeriana officinalis 748, 19

dioica 749, 20

Locusta 750, 21

pseud **Acorus** 9, 22

fætidiſſima 275

Schoenus Mariscus 187

nigricans - - 23

Cyperus fuscus 331, 25

Scirpus palustris - - 27

cæſpitoſus? 320

lacustris - - 26

sylvaticus 332, 24

maritimus 186

Eriophorum polystachion 307, 28

Nardus stricta - - 29

DIGYNIA.

Panicum glaucum 348

sanguinale 339, 36

crus galli 346, 33

canariensis 566

phleoides 304, 609

arundinacea 333, 2, 57

298

Phleum

Phleum	pratense	302, 30	Lolium	perenne	342, 60
	arenarium	- - 31		temulentum	340, 59
	nodosum	290	Elymus	arenarius	285
	reclinatum	306	Triticum	repens	280, 61
Alopecurus	pratensis	305, 32	Hordeum	murinum	345, 66
	geniculatus	307, 33	TETRANDRIA.		
Milium	effusum	350, 37	MONOGYNIA.		
Agrostis	spica venti	295, 39	Globularia	vulgaris	- - 67
	stolonifera	282, 38	Dipsacus	fullonum	190, 68
Aira	aquatica	281, 42		pilosus	191, 69
	caespitosa	296	Scabiosa	arvensis	674, 70
	montana	352, 41		succisa	712, 71
	canescens	313	Galium	palustre	266, 74
Poa	aquatica	297, 44		verum	264, 72
	pratensis	291, 611		mollugo	491, 75
	angustifolia	- - 613		Aparine	56, 76
	trivialis	292		parisiense?	265
	annua	293, 45, 612	Rubia	tinctorum	649
	compressa	287, 609	Plantago	major	580, 77
Briza	media	- - 48		media	581, 78
Dactylis	glomerata	- - 47		lanceolata	580, 79
Cynosurus	cristatus	301, 49		maritima	176, 81
	paniceus	347, 90		Coronopus	175, 80
Festuca	ovina	314, 43	Sanguisorba	officinalis	- - 82
	fluitans	299, 46	Cornus	sanguinea	- - 83
Bromus	secalinus	225, 50	Trapa	natans	731
	sterilis	226, 52	Alchemilla	vulgaris	10
	pinnatus	354, 51	DIGYNIA.		
Lagurus	oblongus	303	Aphanes	arvensis	151, 86
Avena	fatua	227, 54	Cuscuta	europæa	182, 87
	nodosa	288, 55	TETRAGYNIA.		
Arundo	phragmitis	67, 56	Ilex	Aquifolium	387, 88
	calamagrostis	335	Potamogeton	natans	604, 89
	arenaria	308, 58		lucens	606, 90
		B 3		ferra-	

	<i>ferratum</i>	607, 92		<i>Speculum</i>	532, 118
	<i>crispum</i>	608, 91	<i>Samolus</i>	<i>valerandi</i>	42, 120
	<i>compressum</i>	- - 93	<i>Lonicera</i>	<i>Periclymen.</i>	560, 121
<i>Sagina</i>	<i>procumbens</i>	- - 94	<i>Verbascum</i>	<i>Thapsus</i>	753, 125
PENTANDRIA.				<i>nigrum</i>	- - 126
MONOGYNIA.				<i>Blattaria</i>	90, 127
<i>Myosotis</i>	<i>scorpioides</i>	195, 95	<i>Hyoschymus</i>	<i>vulgaris</i>	382, 123
		196	<i>Datura</i>	<i>Stramonium</i>	- - 122
<i>Lithospermum</i>	<i>officinale</i>	437	<i>Solanum</i>	<i>nigrum</i>	698, 129
	<i>arvense</i>	438, 96		<i>Dulcamara</i>	699, 131
<i>Anchusa</i>	<i>officinalis</i>	- - 615	<i>Rhamnus</i>	<i>Frangula</i>	20, 128
<i>Cynoglossum</i>	<i>vulgare</i>	185, 97	<i>Evonymus</i>	<i>europæus</i>	- - 85
<i>Pulmonaria</i>	<i>maculata</i>	714	<i>Ribes</i>	<i>rubrum</i>	357, 135
<i>Symphytum</i>	<i>officinale</i>	713, 98		<i>nigrum</i>	359, 134
<i>Borago</i>	<i>bortensis</i>	101, 99		<i>Uva crispa</i>	360, 136
<i>Asperugo</i>	<i>procumbens</i>	- - 102	<i>Hedera</i>	<i>Helix</i>	362, 132
<i>Lycopsis</i>	<i>arvensis</i>	102, 100	<i>Illecebrum</i>	<i>verticillatum</i>	591
<i>Echium</i>	<i>vulgare</i>	448, 101	<i>Glaux</i>	<i>maritima</i>	276, 138
<i>Primula</i>	<i>ver. elatior</i>	752	<i>Vinca</i>	<i>minor</i>	- - 137
<i>Menyanthes</i>	<i>trifoliata</i>	739, 103	DIGYNIA.		
	<i>Nymphoides</i>	527, 104	<i>Herniaria</i>	<i>glabra</i>	588, 139
<i>Hottonia</i>	<i>palustris</i>	484, 105	<i>Chenopod.</i>	<i>Bonus hinr.</i>	413, 140
		483		<i>album</i>	- - 141
<i>Lyfimachia</i>	<i>vulgaris</i>	449, 106		<i>rubrum?</i>	72, 14, 143
	<i>punctata Clus.</i>			<i>glaucum</i>	- - 142
	<i>thyrsiflora</i>	451, 107		<i>murale</i>	- - 144
	<i>Nummularia</i>	524, 108		<i>maritimum</i>	391
<i>Anagallis</i>	<i>arvensis</i>	38, 109	<i>Salsola</i>	<i>Kali</i>	396, 146
<i>Convolvulus</i>	<i>arvensis</i>	168, 110		<i>sedoides</i>	395
	<i>sepium</i>	166, 111	<i>Ulmus</i>	<i>campestris</i>	769, 151
	<i>Soldanella</i>	701, 112	<i>Gentiana</i>	<i>Pneumonanth</i>	271, 147
<i>Campanula</i>	<i>Trachelium</i>	- - 113		<i>Centaureum</i>	137, 149
	<i>perficifolia</i>	- - 115		<i>perfoliata</i>	- - 150
	<i>rotundifolia</i>	116, 117		<i>cruciata</i>	270, 148
				<i>Eryngium</i>	

Eryngium <i>campestre</i>	214, 153	TRIGYNIA.	
<i>maritimum</i>	213, 152	Viburnum Opulus	- - 183
Hydrocotyle <i>vulgaris</i>	627, 154	Sambucus nigra	671, 184
Sanicula <i>europæa</i>	- - 155	Ebulus	672, 185
Tordylium <i>latifolium</i>	136	Alfina media	27, 253
<i>Anthriscus</i> B.		Corrigiola <i>litoralis</i>	586, 186
Daucus Carota	553, 156		590
Bupleurum <i>rotundifol.</i>	- - 169	TETRAGYNIA.	
Selinum <i>sylvestre</i>	60, 158	Parnassia palustris	355, 187
<i>palustre</i>	689, 159	PENTAGYNIA.	
Crithmum <i>maritimum</i> B.		Statice Armeria	131, 188
Bunium <i>Bulbocastan.</i>	100	Limonium	432
Conium <i>maculatum</i>	155, 157	Linum catarthicum	- - 191
Heracleum <i>Sphondylium</i>	709, 175	Radiola	589, 192
Angelica <i>sylvestris</i>	49, 161	Drosera rotundifolia	642, 193
Ligusticum <i>Levisticum</i>	428, 160	longifolia	643, 194
Sium <i>latifolium</i>	694, 162	POLYGYNIA.	
<i>nodiflorum</i>	- - 163	Myosuros minimus	379, 195
Sison inundatum	480	HEXANDRIA.	
Phellandrium <i>aquaticum</i>	157, 166	MONOGYNIA.	
Cicuta virosa	695, 167	Allium ursinum	17
Oenanthe fistulosa	531, 165	vineale	18, 203
Æthusa Cynapium	156, 168	carinatum	- - 198
Scandix Anthriscus	514, 171	Ornithogal. luteum	- - 205
<i>Pecten ven.</i>	675, 170	minimum	
Chærophyll. <i>sylvestre</i>	515, 173	<i>umbellatum</i>	544, 616
<i>temulentum</i>	150, 174	Anthericum ossifragum	- - 204
Pastinaca sativa	555, 176	Asparagus officinalis	69, 206
Smyrnum <i>Olusatrum</i>	378	Convallaria majalis	430, 207
Anethum <i>Feniculum</i>	321, 177	Polygonatum	584, 209
Carum Carvi	180	bifolia	431, 208
Pimpinella laxifraga	571, 179	Acorus Calamus	8, 210
Apium graveolens	59, 181	Junius effusus	389, 215
Ægopodium <i>Podagraria</i>	50, 180	conglomeratus	- - 617
		<i>inflexus</i>	

	<i>inflexus</i>	388		<i>scoparia</i>	- - 234
	<i>squarrosus</i>	319, 214		<i>cinerea</i>	207
	<i>articulatus</i>	317, 213		<i>multiflora</i>	206
	<i>bulbosus</i>			<i>arborea</i>	208, 619
	<i>bufonius</i>	336, 212		TRIGYNIA.	
	<i>campestris</i>	337, 211	Polygonum	<i>aviculare</i>	585, 241
Berberis	<i>vulgaris</i>	84, 216		<i>Bistorta</i>	B.
	TRIGYNIA.			<i>Perficaria</i>	561, 240
Rumex	<i>aquaticus</i>	407, 219		<i>Hydropiper</i>	564, 239
	<i>obtusifolius</i>	408, 217		<i>amphibium</i>	562, 238
	<i>crispus</i>				602
	<i>sanguineus</i>	411, 218		<i>Convolvulus</i>	169, 243
	<i>Acetosa</i>	6, 220		ENNEANDRIA.	
	<i>Acetosella</i>	7, 221		HEXAGYNIA.	
Triglochia	<i>maritimum</i>	323, 223	Butomus	<i>umbellatus</i>	392, 244
	<i>palustre</i>	322, 222		DECANDRIA.	
	POLYGYNIA.			MONOGYNIA.	
Alisma	<i>Plantago</i>	577, 224	Pyrola	<i>rotundifolia</i>	612
	<i>ranunculoid.</i>	578, 225		<i>uniflora</i>	B.
	HEPTANDRIA.			DIGYNIA.	
	MONOGYNIA.		Saxifraga	<i>tridactylites</i>	684, 247
Æsculus	<i>Hippocastan.</i>	135, 227		<i>hypnoides</i>	- - 248
	OCTANDRIA.		Scleranthus	<i>annuus</i>	587, 246
	MONOGYNIA.		Saponaria	<i>officinalis</i>	673, 245
Oenothera	<i>biennis</i>	450, 229		TRIGYNIA.	
Epilobium	<i>angustifol.</i>	454, 230	Cucubalus	<i>baccifer</i>	- - 620
	<i>hirsutum</i>	455, 231	Stellaria	<i>holostea</i>	129, 252
	<i>montanum</i>	452, 232		<i>graminea</i>	130, 251
	<i>palustre</i>	453, 233		<i>nemorum</i>	24, 621
Vaccinium	<i>Myrtillus</i>	767, 236	Arenaria	<i>peploides</i>	54, 622
	<i>Vitis idæa</i>			<i>trinervia</i>	62, 255
	<i>Oxycoccus</i>	76, 602		<i>serpyllifolia</i>	28, 254
Erica	<i>vulgaris</i>	205, 235		<i>rubra</i>	36, 256
					268
					PENTA-

PENTAGYNIA.

Cotyledon	<i>umbilicus</i>	B.
Sedum	<i>Telephium</i>	717, 266
	<i>rupestre</i>	267
	<i>acre</i>	285, 268
	<i>album</i>	283, 269
	<i>Cepaea</i>	139
Oxalis	<i>Acetosella</i>	737, 264
	<i>corniculata</i>	- - 265
Agrostemma	<i>Githago</i>	444, 262
Lychnis	<i>Flos cuculi</i>	133, 263
	<i>dioica</i>	445, 249
Cerastium	<i>vulgatum</i>	128, 259
	<i>viscosum</i>	30, 260
	<i>arvense</i>	29, 261
	<i>aquaticum</i>	25
Spergula	<i>arvensis</i>	34, 257
	<i>nodosa</i>	35, 258

DODECANDRIA.

MONOGYNIA.

Asarum	<i>europæum</i>	68
Lythrum	<i>Salicaria</i>	456, 270
	<i>Hyssopifolia</i>	- - 271
Portulaca	<i>oleracea</i>	600, 308
	DIGYNIA.	
Agrimonia	<i>Eupatoria</i>	219, 272
	TRIGYNIA.	
Reseda	<i>Luteola</i>	443, 309
	<i>vulgaris</i>	639, 310
Euphorbia	<i>Peplis</i>	559, 303
	<i>Chamaesyce</i>	B.
	<i>Peplis</i>	B.
	<i>helioscopia</i>	728, 302
	<i>platyphyllus</i>	B.

<i>exigua</i>	727, 304
<i>Paralias</i>	726, 306
<i>Cypariss.</i>	725, 624, 305
<i>palustris</i>	724, 307

POLYGYNIA.

<i>Semperviv. tectorum</i>	682, 273
----------------------------	----------

ICOSANDRIA.

MONOGYNIA.

<i>Prunus spinosa</i>	611, 274
<i>Padus</i>	- - 277

DIGYNIA.

<i>Crataegus Oxyacantha</i>	479, 278
-----------------------------	----------

TRIGYNIA.

<i>Sorbus aucuparia</i>	706, 279
-------------------------	----------

PENTAGYNIA.

<i>Pyrus Malus</i>	460, 281
<i>communis</i>	614, 282
<i>Spiræa Ulmaria</i>	81, 284
<i>Filipendula</i>	B.

POLYGYNIA.

<i>Rosa sylvestris</i>	- - 285
<i>spinosissima</i>	646
<i>eglanteria</i>	647
<i>Rubus fruticosus</i>	650, 286
<i>cæsius</i>	- - 287
<i>idæus</i>	651, 288
<i>Fragaria vesca</i>	232, 289
<i>Potentilla reptans</i>	617, 291
<i>argentea</i>	- - 292
<i>lupina</i>	618
<i>Anserina</i>	610, 290
<i>Tormentilla erecta</i>	279, 293
<i>Geum urbanum</i>	127, 295
<i>Comarum palustre</i>	619, 294

POLYANDRIA.

MONOGYNIA.

Chelidonium majus	147,300
Papaver Rhœas	551,299
Argemon.	- - 623
Nymphæa lutea	525,296
alba	526,297
Tilia europæa	722,301
Cistus guttatus	160

TRIGYNIA.

Delphinium Consolida	164,311
----------------------	---------

PENTAGYNIA.

Aquilegia vulgaris	61,312
--------------------	--------

HEXAGYNIA.

Stratiotes Aloides	21,313
--------------------	--------

POLYGYNIA.

Clematis Vitalba	- - 315
Anemone nemorosa	47,314
ranuncul.	636

Thalictrum flavum	718,316
minus	- - 625

Adonis annua	B.
--------------	----

Ranunculus Flammula	625,317
---------------------	---------

Lingua	624,318
--------	---------

Ficaria	148,319
---------	---------

bulbosus	622,322
----------	---------

acris	620,324
-------	---------

repens	621,323
--------	---------

sceleratus	626,320
------------	---------

arvensis	623,321
----------	---------

parviflorus	B.
-------------	----

hederaceus	629,325
------------	---------

aquatilis	485,326
-----------	---------

Caltha palustris	114,329
------------------	---------

DIDYNAMIA.

GYMNOSPERMIA.

Teucrium Chamæpithys	143
Chamædrys	142
Scordium	676
Scorodonia	677,331
Ajuga reptans	165,330
Nepeta Cataria	475,340
Betonica hirta	690
Mentha spicata	474,341
aquatica	472,342
arvensis	473,343
Pulegium	- - 344
Glechoma hederacea	364,338
arvensis	
Lamium album	411,347
purpureum	400,346
amplexicaule	403,345
Galeopsis Tetrahit	773,348
Ladanum	772,349
Galeobdolon	- - 354
Stachys sylvatica	- - 350
palustris	- - 351
Ballota nigra	464,352
alba	B.
Marrubium vulgare	465,353
Leonurus Cardiaca	462,355
Origanum vulgare	- - 335
Thymus Serpyllum	688,332
Acinos	- - 333
Melissa Nepeta	113,337
Scutellaria galericulata	457,357
Prunella vulgaris	98,99,356

ANGIO.

ANGIOSPERMIA.

Rhinanthus	Crista	558, 361
Euphrasia	officinalis	220, 364
	Odontites	221, 365
Melampyrum	pratense	468, 366
	arvense	467, 367
Pedicularis	sylvatica	557, 362
	palustris	- - 363
Antirrhinum	Linaria	433, 360
	<i>Cymbalaria</i>	197, 358
	<i>hybridum</i>	55, 604
	minus	- - 359
	Orontium	- - 603
Scrophularia	nodosa	679, 370
	<i>aquatica</i>	680, 626
Digitalis	purpurea	- - 371
Limosella	<i>aquatica</i>	33, 579
Orobanche	major	448, 368
	ramosa	497, 369

TETRADYNAMIA.

SILICULOSA.

Myagrum	fativum	- - 372
	<i>perenne</i>	- - 404
Draba	verna	108, 381
Lepidium	latifolium	419
	ruderales	521, 373
	petraeum	B.
Thlaspi	arvense	719, 378
	campestre	720, 379
	Bursa past.	106, 380
Cochlearia	officinalis	162, 374
	anglica	163
	Armoracia	631, 376

Iberis

nudicaulis 107, 377

SILIQVOSA.

Cardamine	pratensis	519, 385
	hirsuta	- - 628
Sisymbrium	Nasturt. aq.	520, 398
	amphibium	632, 401
	sylvestre	621, 399
	tenuifolium	693
	Sophia	522, 403
Erysimum	officinale	215, 392
	Barbarea	- - 395
	Alliaria	16, 393
	cheiranth.	513, 394
Cheiranthus	Cheiri	420, 382
Arabis	thaliana	109, 391
Turritis	glabra	96, 17, 396
	hirsuta	- - 397
Brassica	Napus	516
	<i>Rapa</i>	637
	campestre	95
	<i>Erucastrum</i>	210, 402
Sinapis	Rapistrum	634, 390
Bunias	Kakile	212, 384

MONADELPHIA.

DECANDRIA.

Geranium	rotundifol.	372, 405
	robertianum	374, 406
	cicutarium	373, 407
	moschatum	B.

POLYANDRIA.

Althæa	officinalis	37, 410
Malva	rotundifolia	458, 408
	sylvestris	459, 409

DIA-

DIADELPHIA.

HEXANDRIA.

Fumaria	officinalis	338,412
	claviculata	339,413
	bulbosa	340,411

OCTANDRIA.

Polygala	vulgaris	582,414
----------	----------	---------

DECANDRIA.

Spartium	scoparium	267,415
Genista	tinctoria	- - 416
	germanica	268,417
	anglica	269
Ononis	spinosa	52,418
	mitis	53
Lathyrus	latifolius	- - 629
	tuberosus	414,421
	pratensis	415,422
Vicia	fativa	756,424
	sepium	757,425
	Cracca	758,423
Ervum	hirsutum	- - 436
Ornithopus	pusillus	545,438
Trifolium	M. caerulea	740
	M. lutea	469,434
	alba	469
	repens	734,431
	pratense	733,433
	fragiferum	738,428
	resupinatum	- - 429
	arvense	736,432
	agrarium	735,430
Lotus	corniculata	439,427
Medicago	falcata	- - 437

POLYADELPHIA.

POLYANDRIA.

Hypericum	perforatum	383,440
	quadrangul.	384,439
	hirsutum	46
	humifusum	- - 630

SYNGENESIA.

POLYG. ÆQUALIS.

Tragopogon	pratense	730,452
Picris	hieracioides	154,448
Sonchus	oleraceus	702,453
	arvensis	370,454
	palustris	
Lactuca	Seriola	339
Prenanthes	muralis	- - 441
Leontodon	Taraxacum	182,450
	autumnale	373,446
Hieracium	Pilosella	568,444
	murorum	377
	umbellatum	375,443
Crepis	tormentorum	153,445
Hyoferis	minima	376,449
Hypochaeris	radicata	372,447
Lapsana	communis	705,455
Cichorium	Intybus	152,456
Arctium	Lappa	404,457
Serratula	arvensis	124,462
Carduus	lanceolatus	125,459
	nutans	121,460
	acanthoides	123,463
	palustris	- - 631
	heterophyllus	159
	acaulis	134
	Onopor-	

Onopordon	Acanthium	710,458	Chrysanth.	segetum	82,487
Cnicus	oleraceus	120		Leucanthem.	83,486
Carlina	vulgaris	161,464	Matricaria	Parthenium	466,488
Bidens	tripartita	118,467		Chamomilla	144,489
	cernua	119,632	Anthemis	Cotula	146,491
Eupatorium	cannabinum	218,465		arvensis	145,637
POLYG. SUPERFLUA.				tinctoria	104
Tanacetum	vulgare	716,466		valentina	105,490
Artemisia	vulgaris	64,471	Achillea	Millefolium	489,492
	campestris	65		Ptarmica	193,493
	maritima	3	POLYG. FRUSTRANEA.		
	Absinthium	2,472	Centaurea	Jacea	385,497
Gnaphalium	dioicum	279,468		Cyanus	184,495
	sordidum	198,634		Calcitrapa	126,496
	sylvaticum	- - 633	POLYG. NECESSARIA.		
Conyza	squarrosa	B.	Calendula	officinalis	115
Erigeron	acre	172,474	Othonna	palustris	171,638
	canadense	- - 475	Filago	germanica	277,469
Tussilago	Farfara	744,476		arvensis	278,470
	hybrida	565,478	MONOGYNIA.		
	Petasites	- - 477	Jasione	montana	638,498
Senecio	vulgaris	687,483	Viola	odorata	761,500
	viscosus	686		canina	760,499
	paludosus	635		tricolor	762,501
	Jacobaea	386,482	Impatiens	noli tangere	80,502
	sarracenicus	481	GYNANDRIA.		
Aster	Tripolium	- - 484	DIANDRIA.		
Solidago	Virgaurea	764,480	Orchis	mascula	537
Inula	Helenium	366		Morio	538,504
	dysenterica	- - 636		militaris	536
	oculus christi	170,485		bifolia	539
	Pulicaria	- - 473		conopsea	541
Arnica	montana	- - 479		latifolia	543,503
Bellis	perennis	- - 494		maculata	

Ophrys	maculata	542, 639	Sparganium erectum	707
	ovata	534, 506	TETRANDRIA.	
	cordata	535	Betula	alba 88, 519
	Zeelandica	540		Alnus 19, 518
Scrapias	latifolia	- - 505	Urtica	dioica 770, 516
	longifolia	369		urens 771, 515
	palustris	367	PENTANDRIA.	
HEXANDRIA.			Xanthium strumarium	406, 514
Aristolochia	Clematitis	63	Amarantus	Blitum 91, 515
POLYANDRIA.			POLYANDRIA.	
Arum	maculatum	66, 508	Ceratophyllum	demersum
Calla	europæa	194, 507	Myriophyllum	spicatum 487, 525
Zostera	marina	11, 640		verticillatum 482
MONOECIA.			Sagittaria	sagittifolia 655, 524
MONANDRIA.			Poterium	Sanguisorba 572
anichellia	palustris		Quercus	Robur 615, 526
DIANDRIA.			Fagus	sylvatica 224, 528
Lemna	minor	416, 592	Corylus	Avellana 173, 530
	polyrhiza	- - 591	MONADELPHIA.	
	gibba	416	Pinus	sylvestris 573, 532
	trifurca	418, 590	SYNGENESIA.	
TRIANDRIA.			Momordica	Elatarium 177
Carex	dioica		Bryonia	alba 97, 536
	pulicaris		DIOECIA.	
	vulpina	328, 509	DIANDRIA.	
	leporina	329, 641	Salix	alba 658, 537
	flava	338		pentandra
	digitata			vitellina 661
	vesicaria	328, 642		[purpurea 659
	acuta	324, 512		fragilis 660, 539
	pseudoCyper.	326, 511		caprea 662, 540
	hirta			viminialis 664, 538
Typha	latifolia	745, 514		rolmarinifol. 542
	angustifolia	746		arenaria 668, 643
			TRIAN-	

TRIANDRIA.

Empetrum nigrum 209, 559

TETRANDRIA.

Viscum album 765

Hippophae Rhamnoides 640

Myrica Gale 641, 543

PENTANDRIA.

Humulus Lupulus 442, 546

OCTANDRIA.

Populus tremula 598, 548

nigra 599, 549

alba 597, 547

ENNEANDRIA.

Mercurialis annua 476, 550

Hydrocharis Morfus 520, 551

MONADELPHIA.

Juniperus communis 593, 552

POLYGAMIA.

MONOECIA.

Holcus lanatus 289, 40

mollis 283

Valantia Cruciata - - 73

Parietaria officinalis 552, 554

Atriplex hastata 76, 644

patula 75, 556

maritima - - 557

littoralis 74

protulacoid. 361

pseudoPlatanus 4, 228

campestre 5, 227

DIOECIA.

Fraxinus excelsior 233, 558

CRYPTOGAMIA.

FILICES.

Equisetum arvense 204, 560

sylvaticum

palustre 202, 561

fluviale 199

hyemale 201, 562

Ophioglossum vulgatum 533, 564

Osmunda regalis 229, 563

Spicant - - 566

Lunaria 441

Pteris aquilina 228, 565

Asplenium Scolopendr. 436

Trichomanes 732, 645

Ruta murar. 652, 567

Polypodium vulgare 592, 568

F. mas 230, 569



