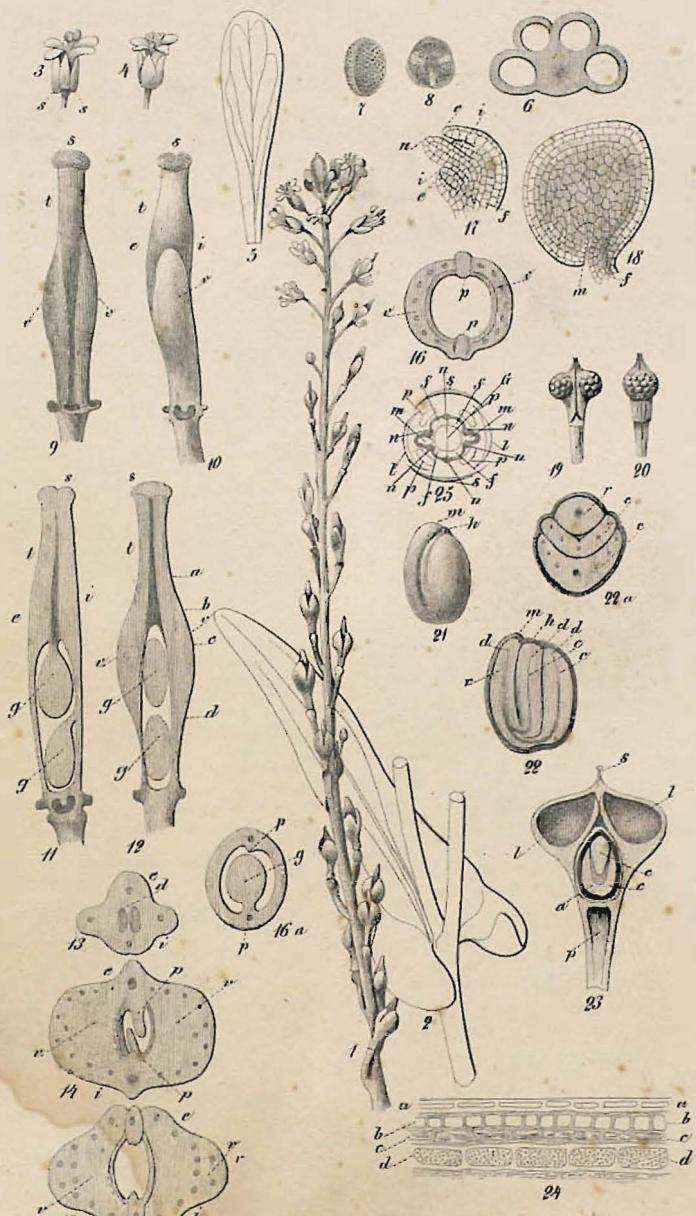
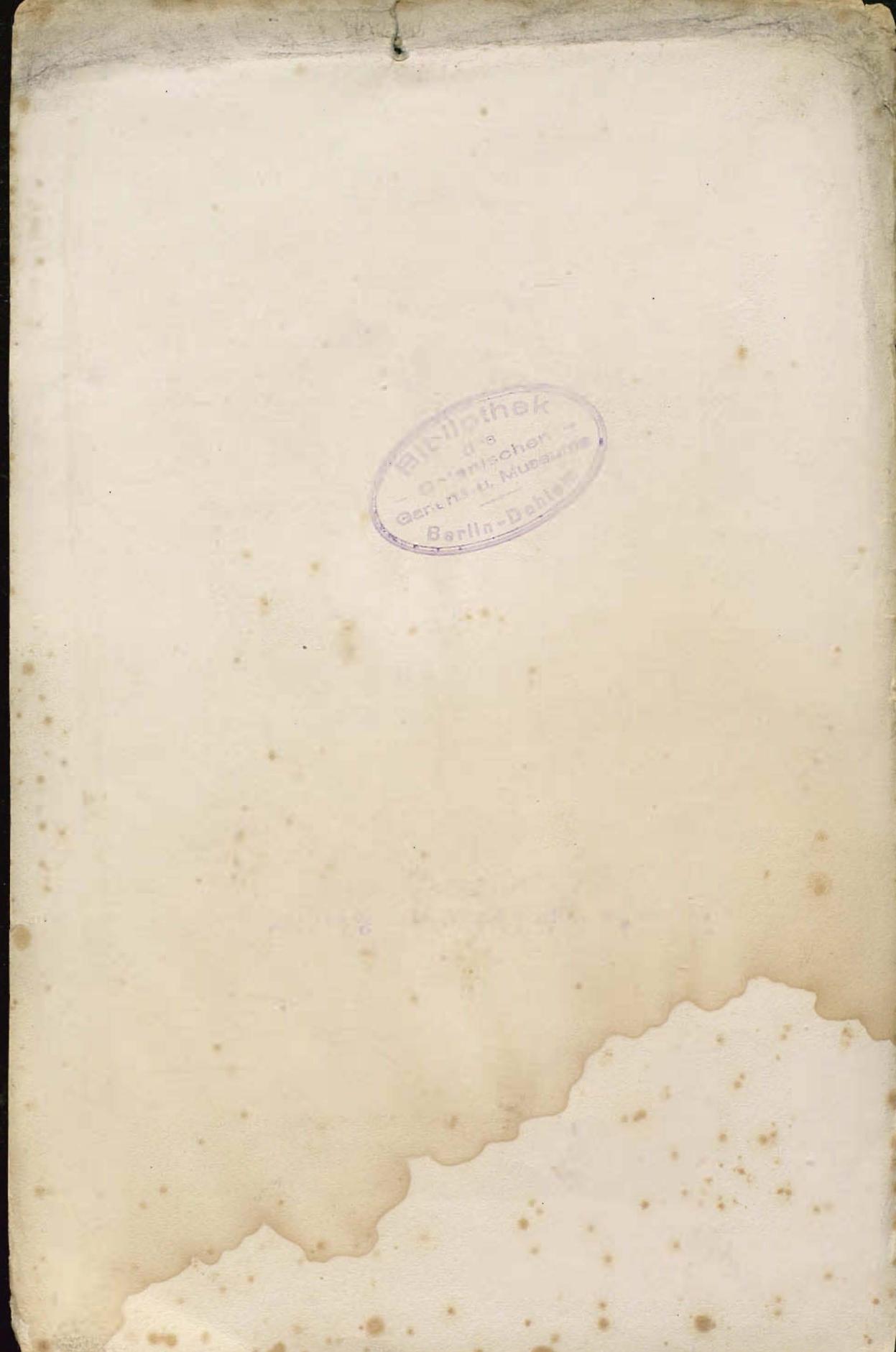


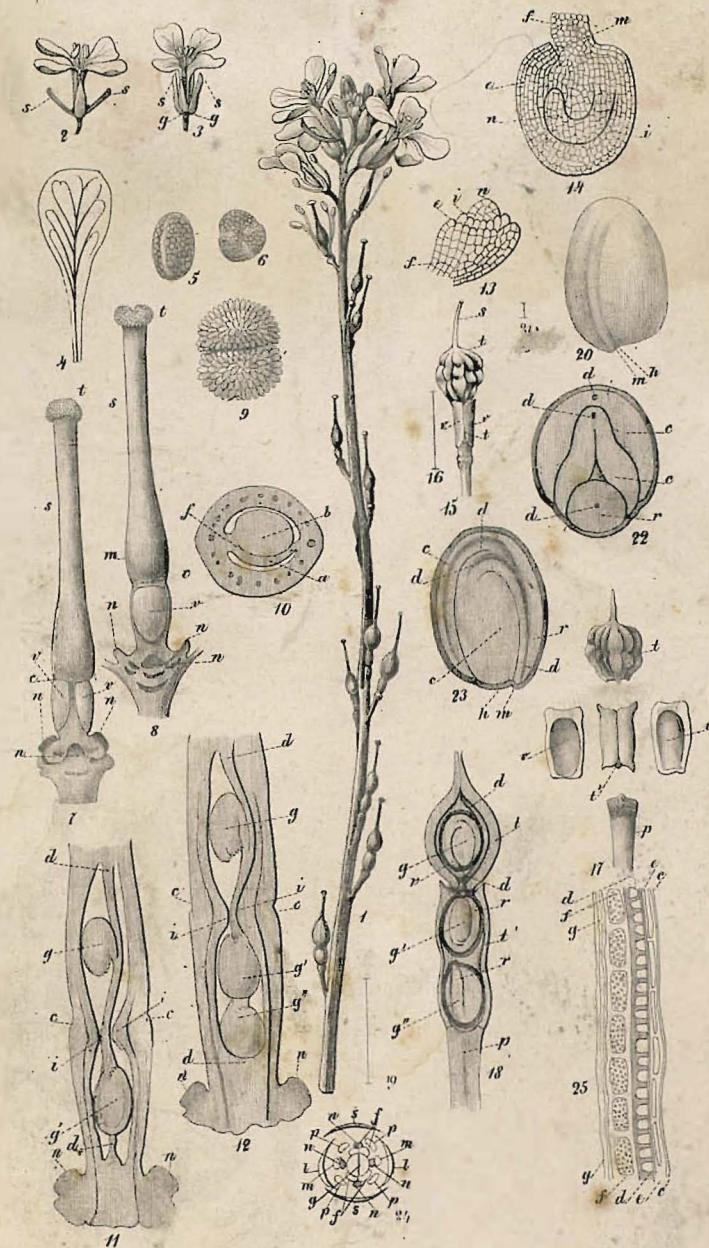
Fam. Cruciferae.



*MYAGRUM Tournef.*

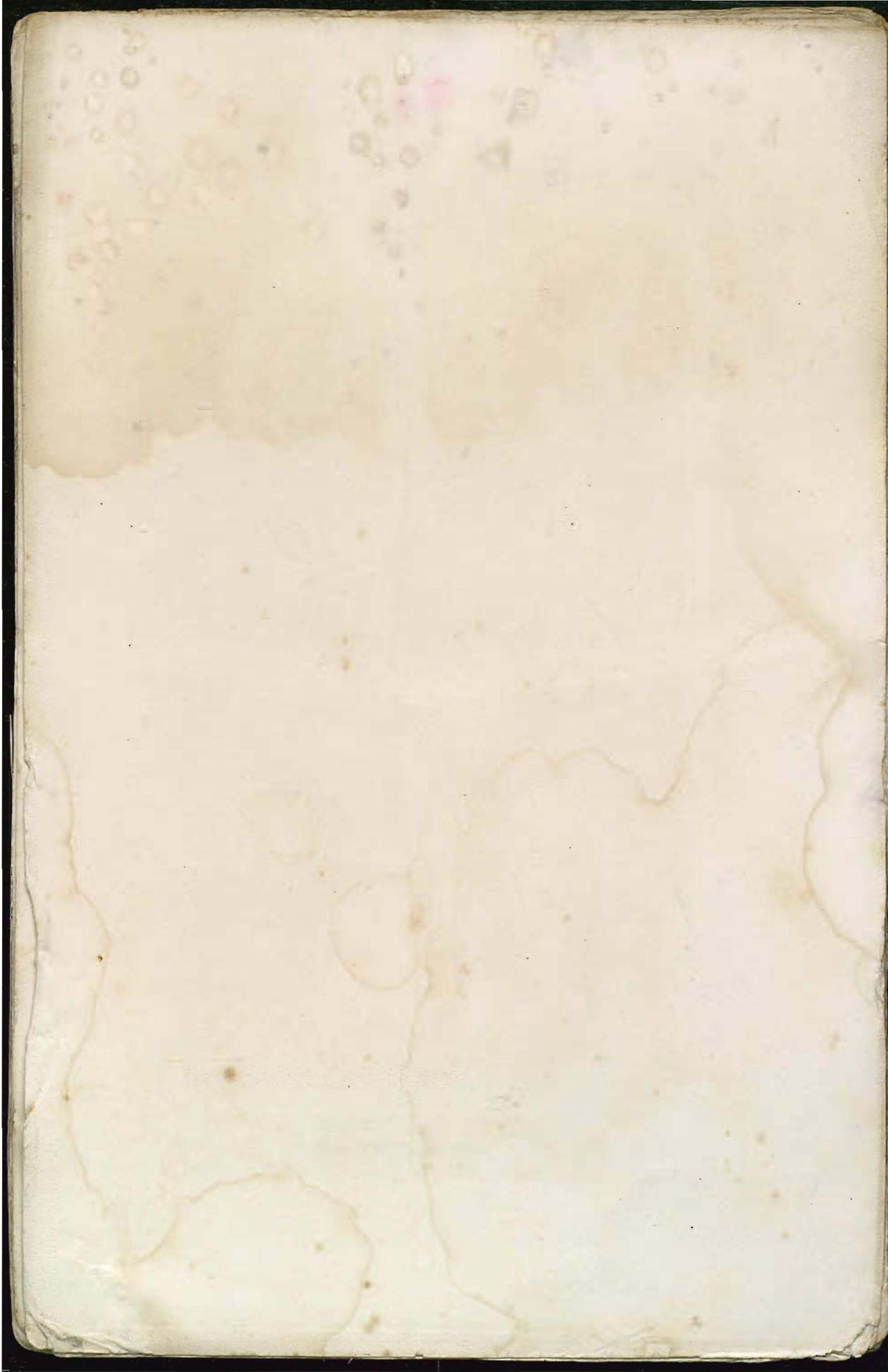


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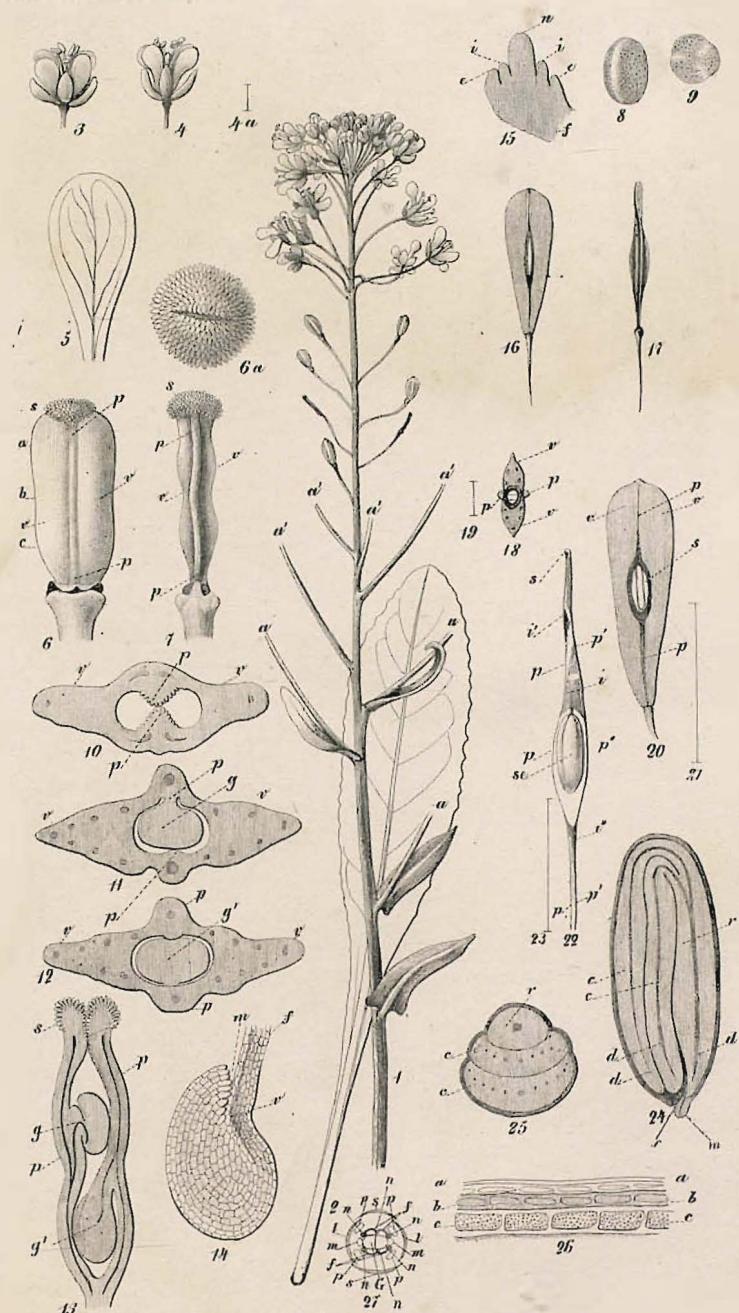


Caspary del.

RAPISTRUM Boerh.

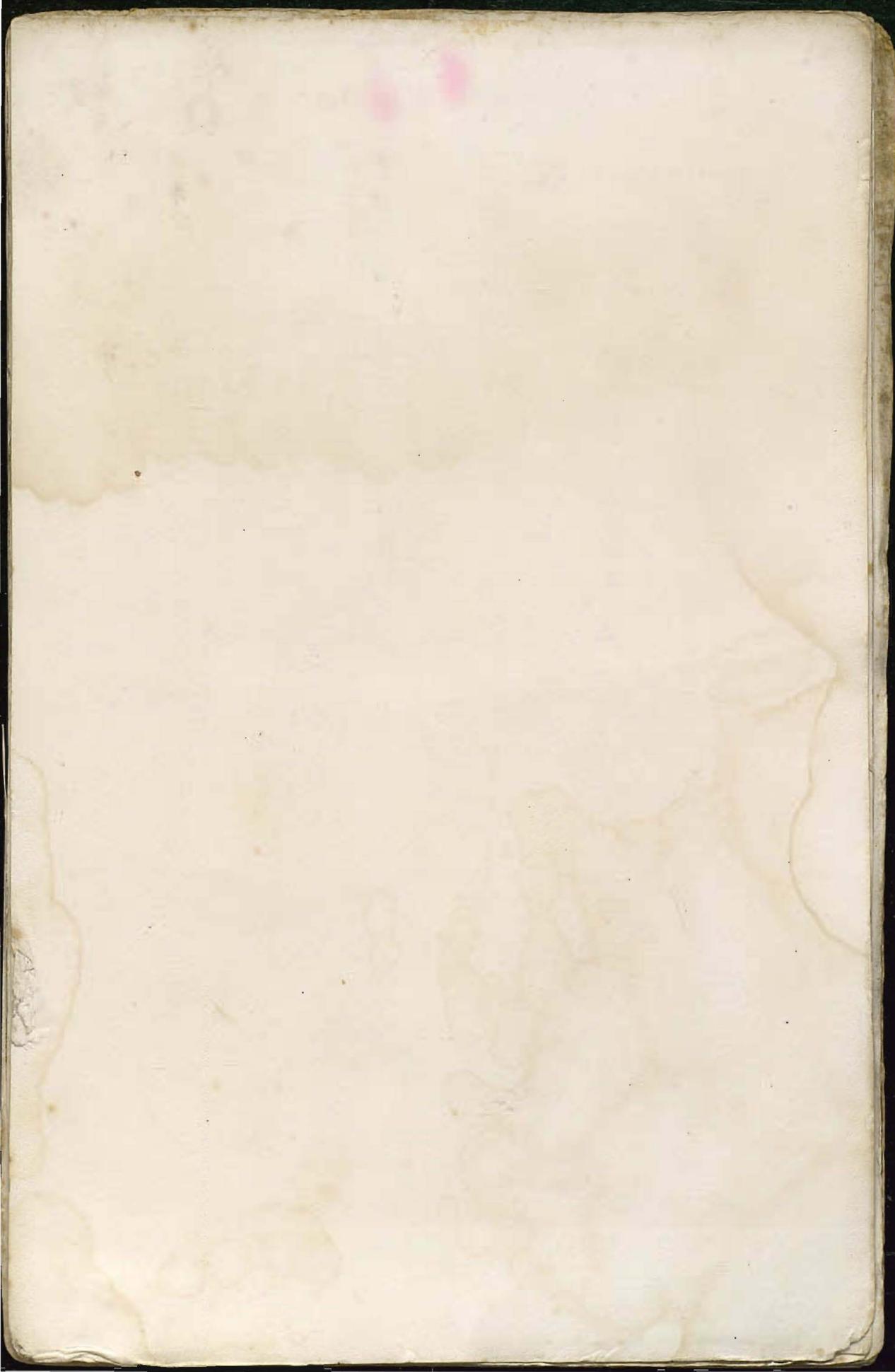


Fam. Cruciferae.

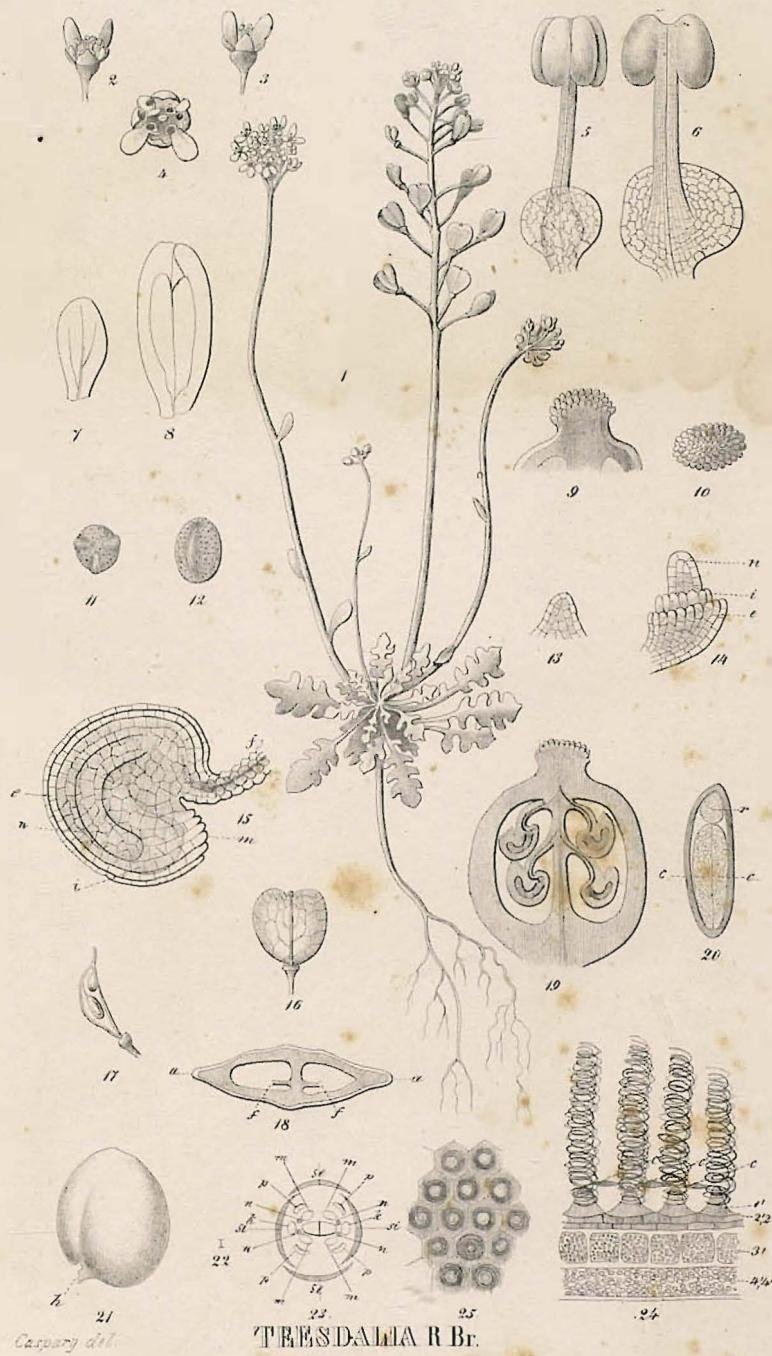


Caspary ad

J.SATIS I.



Fam. Cruciferae.

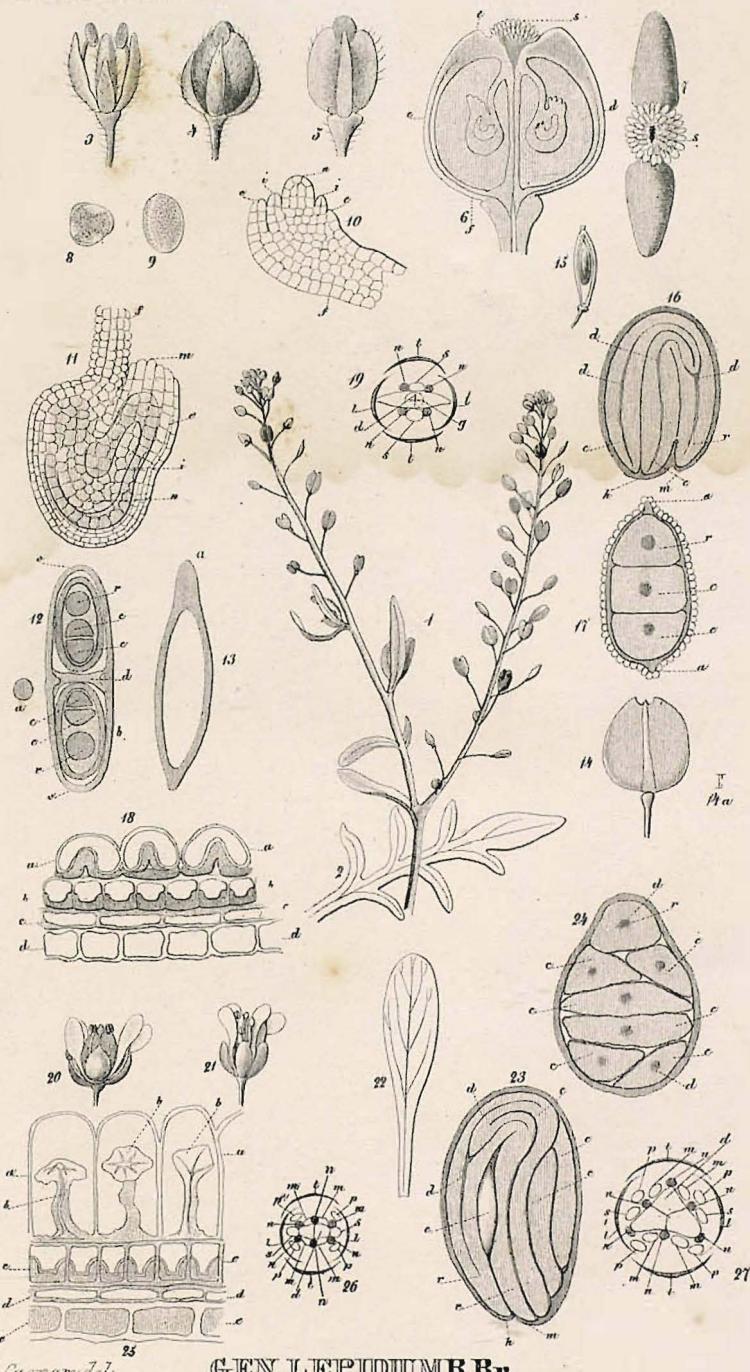


Caspari del.

TEESDALIA R Br.



Fam. Cruciferae.

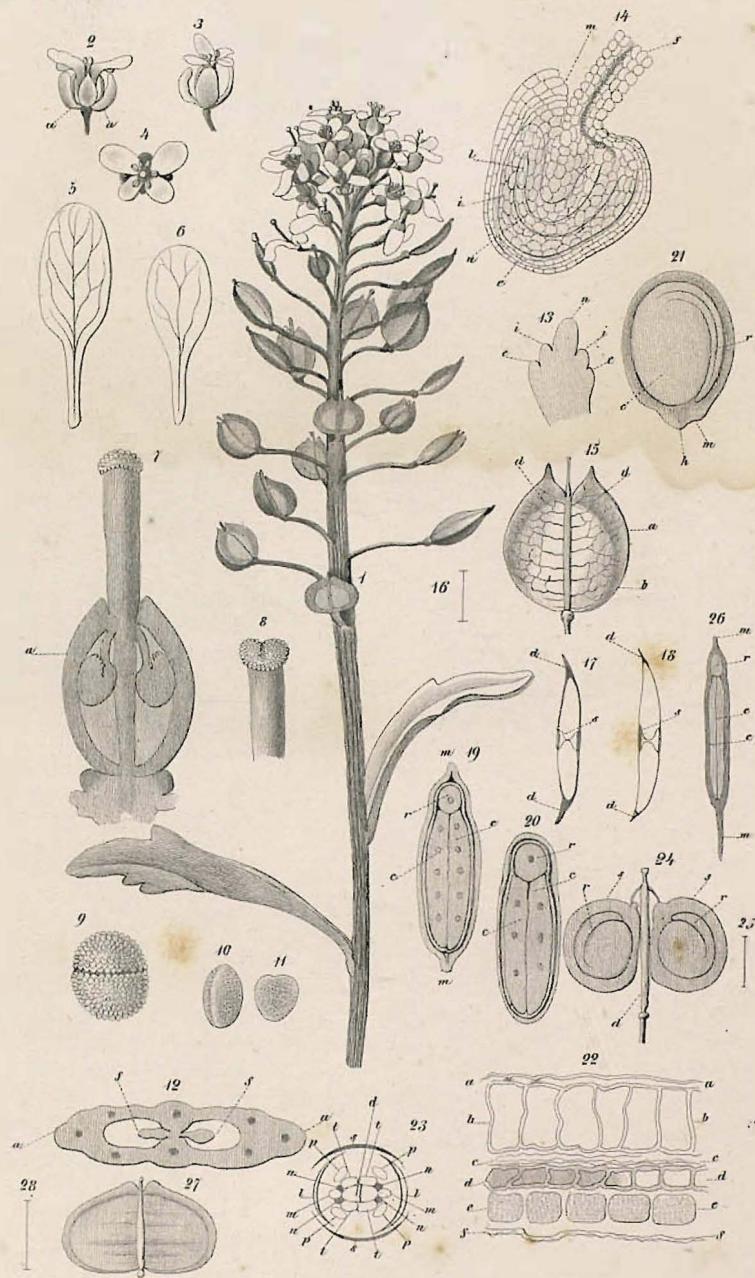


Caspary del.

GEN. LEPIDIUM R.Br.



Fam. Cruciferae

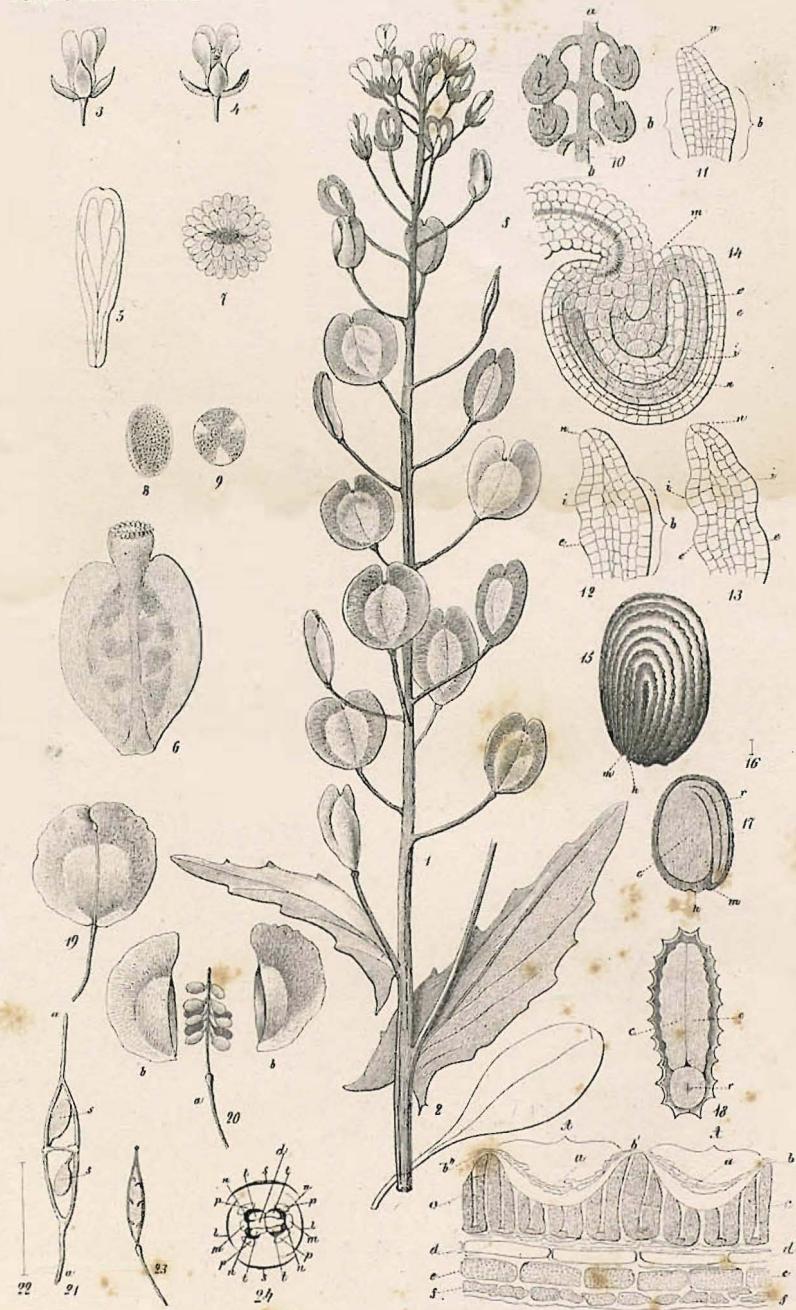


Caspary det.

IBERIS Med.



Fam. Cruciferae.

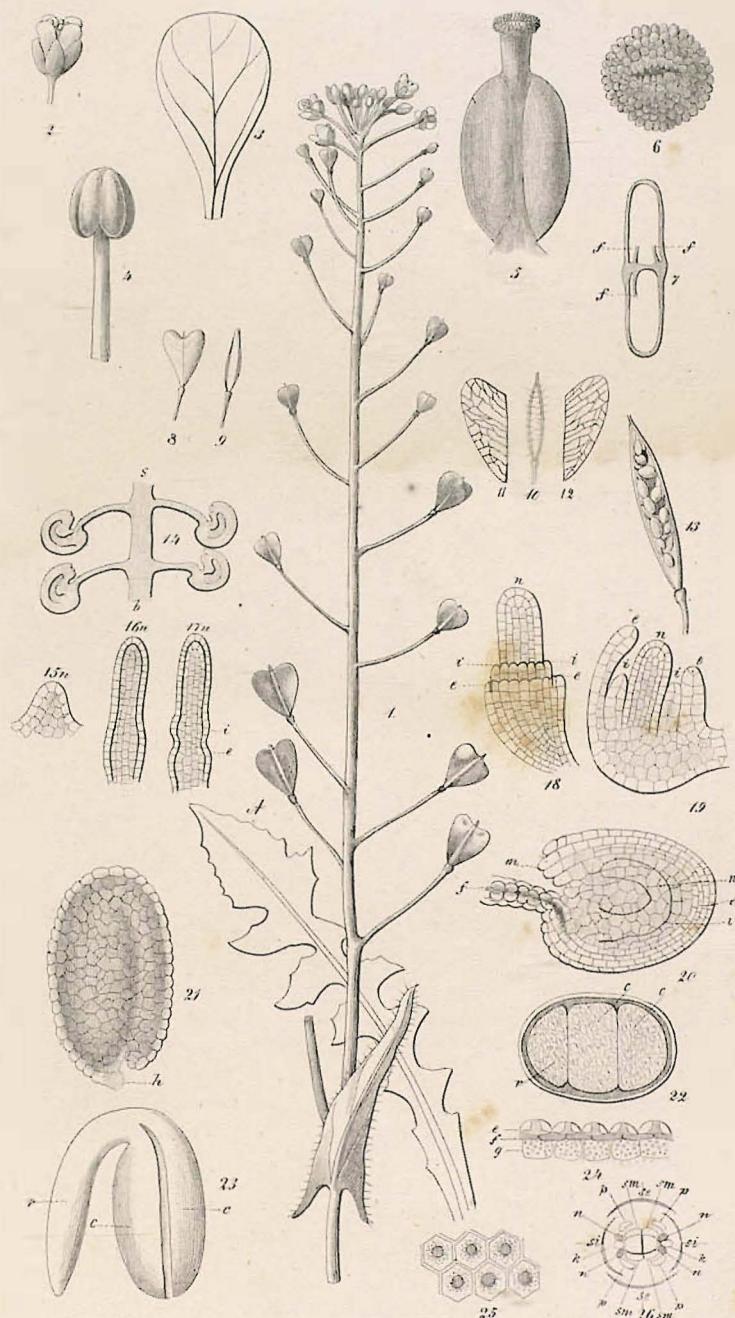


Cuspary del.

THLASPI Bille.



Fam. Cruciferae.

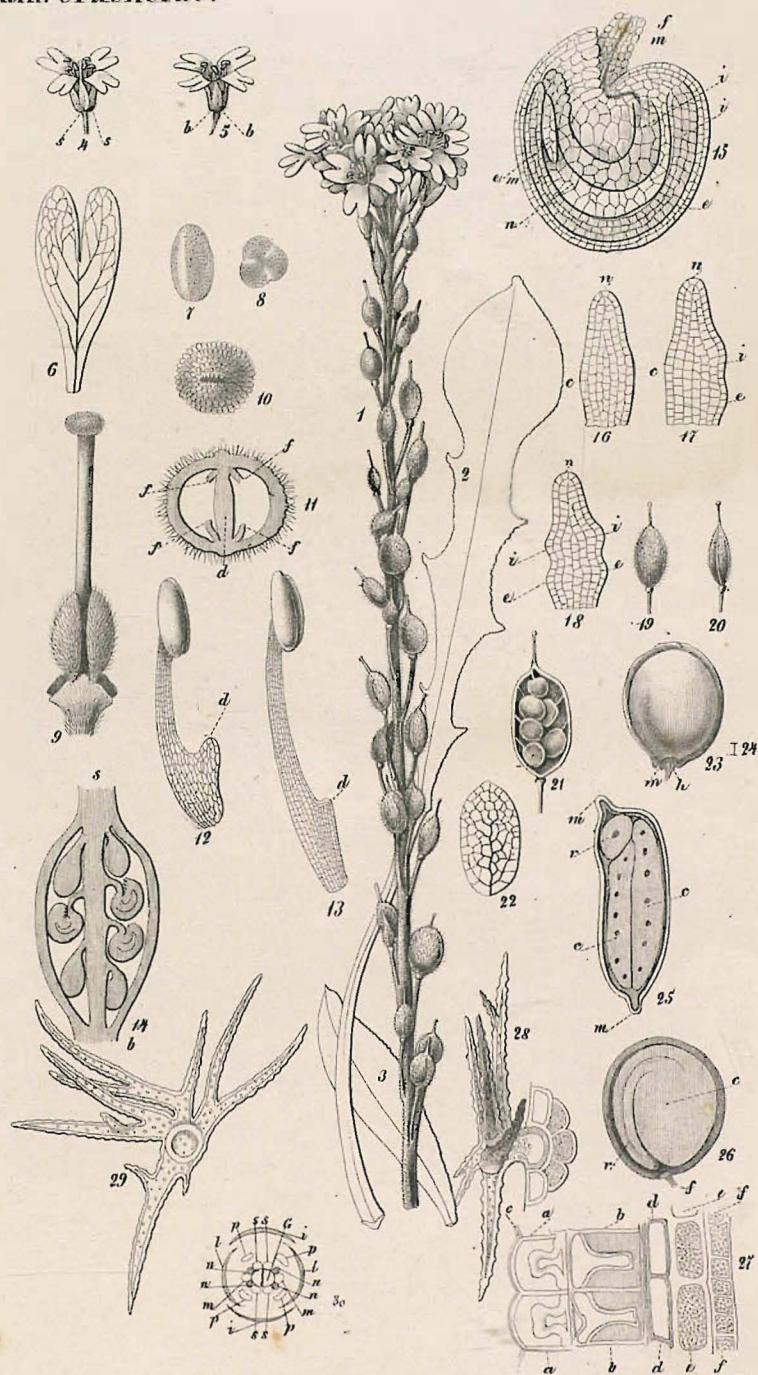


Castelnau del.

*CAPSILLA* Vent.

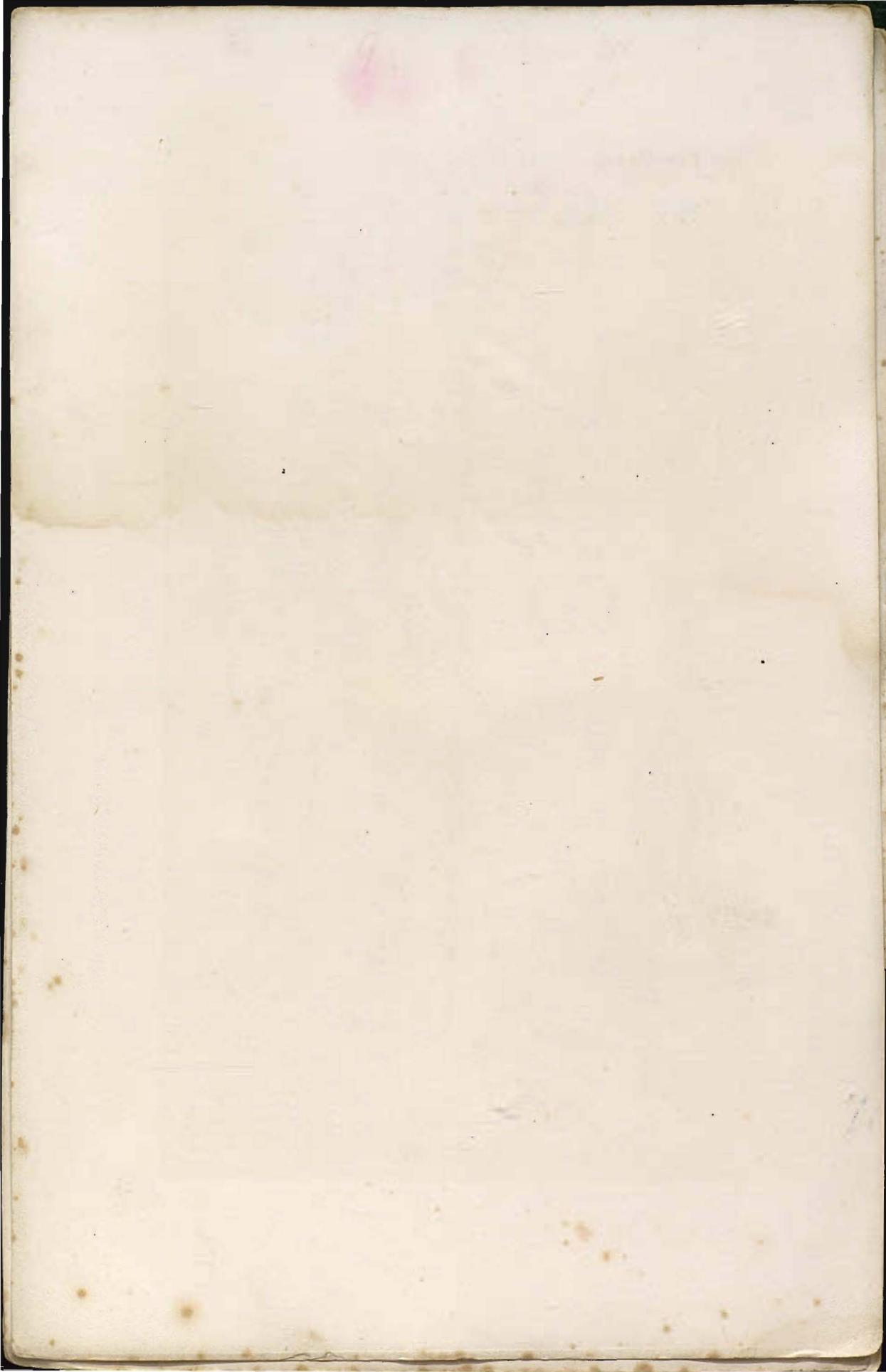


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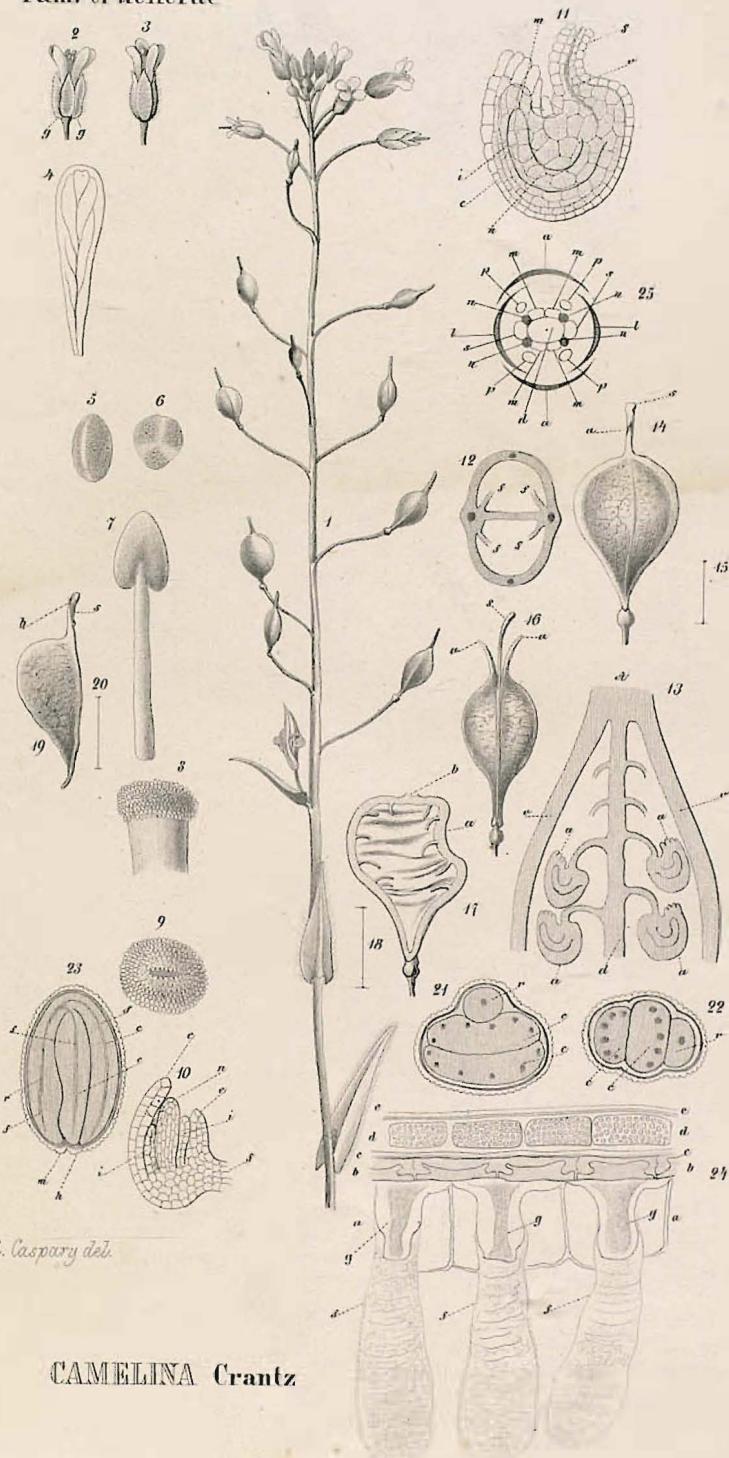


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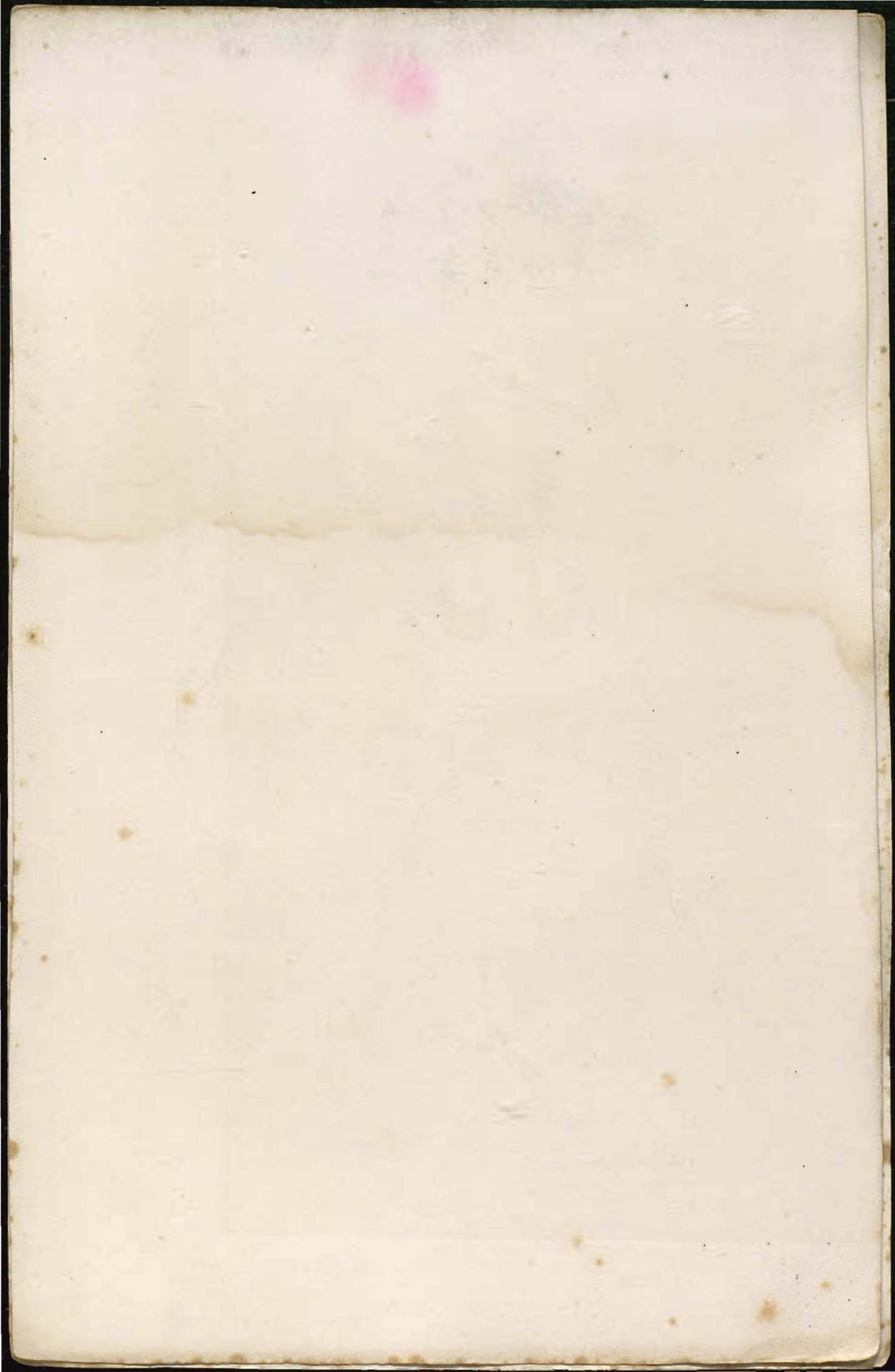
BERTEROA DC.



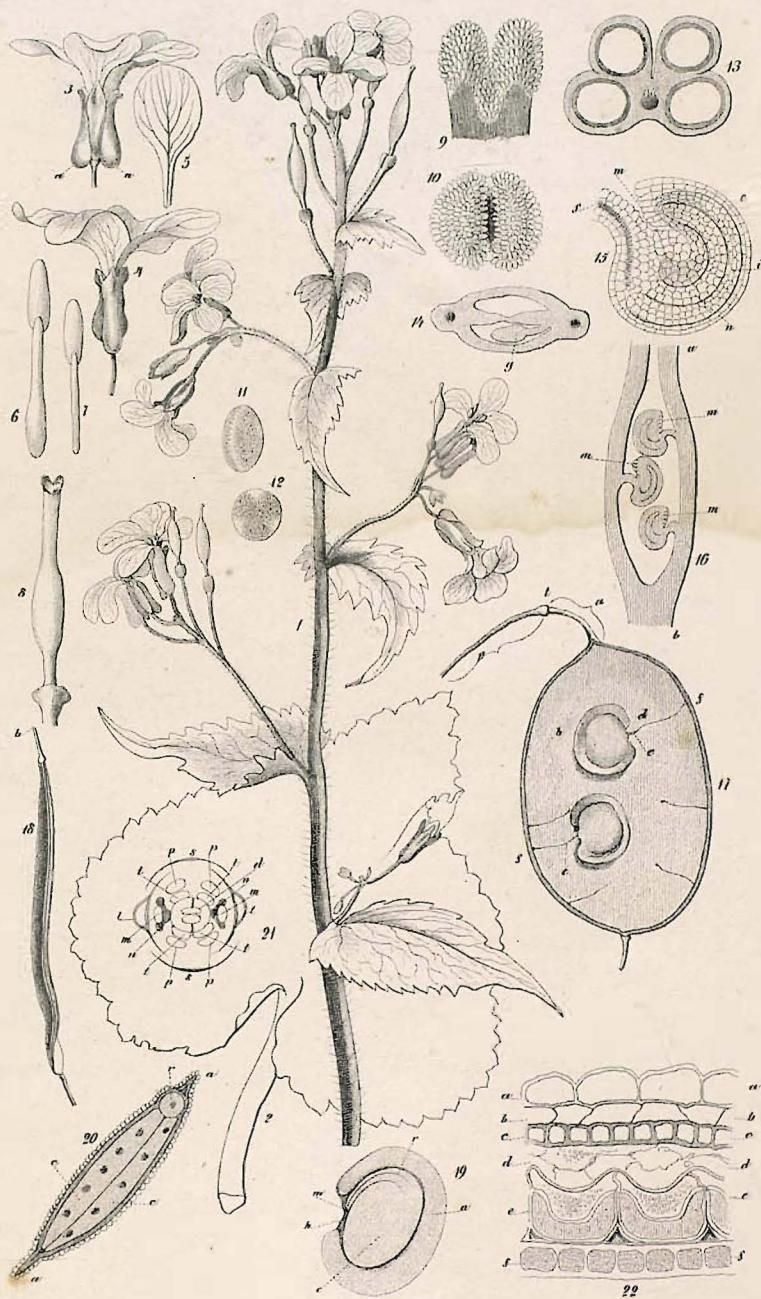
Fam. Cruciferae



CAMELINA Crantz



Fam. Cruciferae

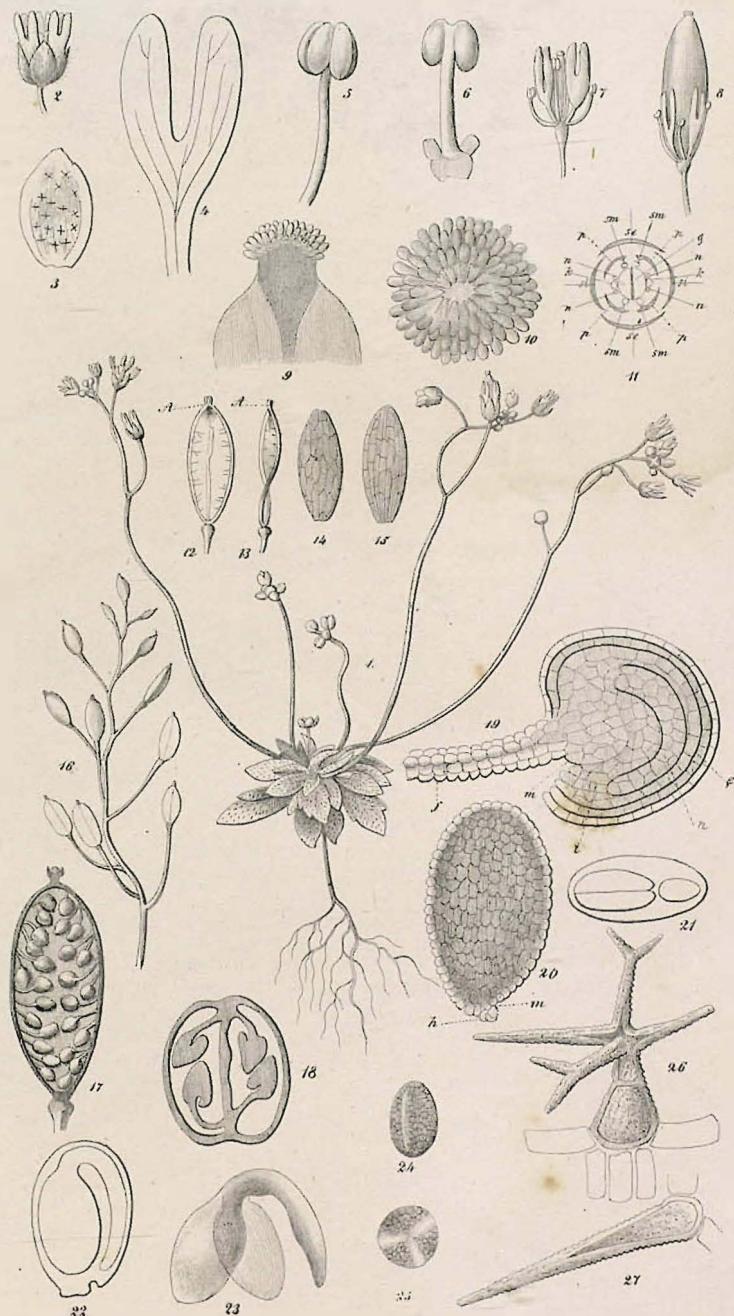


Caspari del.

LUNARIA L.



Fam. Cruciferae.



Cespary del.

ERÖPHILA DC.





## C H E L I D O N I U M *Tournef.*

*Syst. Lin.* Class. XIII. Ord. I. Polyandria. Monogynia.

*Syst. nat.* Class. Dicotyledoneae. Ord. Papaveraceae.

*Chelidonium Tournefort* Inst. I. 231. t. 116. — (Ex parte)

*Linnaeus* Gen. plant. a. 1737. n. 424. — Fl. dan.

t. 676. — *E. B.* t. 1581. — *Gärtner* II. 164 t.

115. — *Jussieu* Gen. 236. — *Schkuhr* t. 140. —

*Smith Engl.* Fl. III. 4. — (Ex parte) *Lamarcck*

*Encycl.* I. 713. t. 450. I. — *Blackwell Curious*

*Herbal* t. 91. — *Hayne Arzneigew.* III. 24. —

*DC. Syst.* II. 98. *Prodr.* I. 122. — *Meisner Gen.*

7(9). — *Endlicher Gen.* 4819. — *Kunth Fl. Ber-*

*rol.* I. 29. — *Koch in Röhling's Deutsch. Fl.* IV.

3. 14. *Synop.* 32. — *Reichenbach Fl. exc. et*

*Icones* 4466. 4467. — *Spennet Teutschl. Pflanzg.*

223. — *Döll Rhein. Fl.* 568. — *Webb et Ber-*

*thelot Phytographia canariensis* I. 55. — *Bern-*

*hardi Linnaea* VIII. 401. 461.

### CHAR. GEN.

*Calyx* simplex liber, diphyllos, paululum co-  
loratus, caducus. *Corolla* duplex, cum sepalis et  
secum alternans, petalis binis. *Stamina* plurima  
hypogyna. *Capsula* siliquaformis, unilocularis,  
polysperma, bivalvis, valvis deciduis, placentis duo-  
bus intravalvularibus repli instar persistentibus. *Se-  
mina* oblique-obovata, supra hilum crista instructa.  
*Embryon* minutum, rectum, in apice albuminis in-  
clusum. — *Herbae perennes, succo croceo acri foetae.*  
*Radix* fusiformis. *Caulis* erectus ramosus. *Folia*  
*radicalia* rosulata ad div.  $\frac{3}{8}$  v.  $\frac{5}{13}$  ordinata, *caulina*  
*sparsa* (ang. div.?), *omnia petiolata, pinnatisecta,*  
*segmentis dentatis lobatisve. Flores umbellati. Um-*

*bella simplex, pedunculi foliis oppositi (haud recte: „axillares“ DC., Endl., Kunth), supremus saepe inter gemmam terminalem abortivam et pedunculum antepenultimum. Pedicelli uniflori, involucrati, foliolis involucri acutato-triangularibus 3–5. Flores flavi.*

*Adn.* Sepala dextrorum contorta, symptyxi imbricata. Petala ptyxi corrugato-plicata. Stamina circiter 24, plura pauciorave; filamenta filiformia superne latiora, apice sub anthera subito attenuata; antherae quadriloculares, longitudinaliter dehiscentes, rimis lateraliter internis. Germen obtuse quadrangulare (non: „teretiusculum“ Kunth, „cylindricum“ Smith) compressum, uniloculare, multigemmulum. Placentae in stylum brevem (haud recte: „stylo nullo“ Smith) superne connatae. Stigma bilobum, lobis cum placentis alternantibus, valvis correspondentibus, obtusis. Gemmulae horizontales, anatropae, irregulariter micropyle deorsum vel ad latus vertentes. Integumenta duo, interius maius natu. Capsula torulosa, valvis a basi ad apicem a placentis solutis (haud recte: „valvis sursum dehiscentibus“ Bunge in Ledebour Fl. al. II. 271). Semina nitida, recentia laevia, vetera scrobiculata, paululum compressa; raphe supra hilum in cristam medium compressam, albam, succulentam, postea exarescentem enata. Radicula mucronulata, hilo proxima. Cotyledones vel lateribus seminis complanatis parallelae, vel vario modo positae. Plumula elevatio minima.

#### EXPLICATIO FIGURARUM

1. Ramus Chelidonii maioris L. *A, A* capsulae siliquaeformes fere adultae *m. n.*
2. Filamentum a latere externo visum *m. a.*
3. Filamentum a latere interno visum *m. a.*
- 4 et 5. Pollen a duobus lateribus sub oleo citreo visum. Membrana unica. Cuticula laevis. Vittae pellucidiores tres *m. a.*

## GLAUCIUM Tournef.

*Syst. Lin.* Clas. XIII. Ord. I. Polyandria Monogynia.

*Syst. nat.* Clas. Dicotyledoneae. Ord. Papaveraceae.

*Chelidonii* sp. L. sp. pl. a. 1753. 505. — E. B. t. 8. — Fl. dan. t. 585. — Schkuhr t. 140. — Lamarck En- cycl. I. 714. t. 450. 2.

*Glaucium* Tournefort Inst. I. 254 t. 130. — Gaertner de fruct. et semin. II. 165 t. 115. — Jussieu Gen. 236. — E. B. t. 1433. — (Ex parte) Smith. Engl. Fl. III. 5. Exot. Bot. I. t. 7. — Sibthorp Fl. graec. t. 488, 489. — DC. Syst. II. 94. Prodri. I. 122. — Curtis Fl. Londin. vol. I. — Meisner Gen. 7(9). — Endlicher Gen. 4826. — Koch in Röhling's Deutschl. Fl. IV. 3, 16. Synop. 32. — Reichenbach Fl. exc. et Icones 4468—71. — Spener Teutschl. Pflanzg. 223. — Webb et Berthelot Phytographia Canar. I. 55. — Döll Rhein. Fl. 567. — Bernhardi Linnaea VIII. 401. 463.

### CHAR. GEN.

*Calyx* simplex, liber, diphyllus, non coloratus, caducus. *Corolla* duplex hypogyna cum sepalis et secum alternans, petalis binis. *Stamina* plus quam viginti, hypogyna. *Germen* uniloculare, multigemmulatum. *Capsula* elongata, siliquaeformis, terete-compressa, bivalvis, placentis intravalvularibus demum in dissepimentum spongiosum crassum con-natis spurie bilocularis, polysperma. *Valvis* ab apice dehiscentibus, basi non solutis. *Semina* oblique-ovata, scrobiculata, in dissepimento nidulantia. *Embryum* minutum, rectum, in apice albuminis oleosi inclusum. — *Herbae annuae et biennes* (*vel* „*subperennes*“ *Endl.*), succo croceo carentes, glau-

*cae, hirtae. Radix ramosa. Folia radicalia rosula ad div.  $\frac{3}{8}$  ordinata, petiolata et ut infima caulina pinnatifida. Caulina superiora semiamplexicaulia (haud recte: „amplexicaulia“ DC., Endl., Koch), plus minus incisa et grosse dentata. Caulis erectus v. ascendens, ramosus. Pedunculi oppositifolii, terminales (haud recte: „axillares“ DC., Endl.), solitarii, uniflores, floribus maiusculis, luteis, flavis vel puniceis, saepe basi maculatis.*

*Adn. Sepala symptyxi imbricata (non: „valvata“ Endl.), leviter dextrorsum contorta. Petala obovata, decidua, symptyxi imbricato - convolutiva, ptyxi transversim corrugato-plicata. Filamenta filiformia superne cava, antherae lateraliter extorsae, quadriloculares, longitudinaliter dehiscentes, ante dehiscentiam subrectangulares, angulis rotundatis, post dehiscentiam oblongo-lineares. Pistillum lineare, paullulum compressum (haud recte: „cylindricum“ Endl.) multigemmulatum. Stylus nullus. Stigma bilobum, lobis cum placentis alternantibus, valvis correspondentibus, persistenti-bus. Gemmulae obliquae, anatropae in apice et basi germinis biseriatim, in medio 3—5 seriatim utraque in placenta dispositae, micropyle deorsum vel ad latus versa. Integumenta duo, interius maius natu. Capsula leviter sinistrorsum v. dextrorsum torta, terete - compressa (non: „tetragono-anceps“ Endl.) stigmate aucto coronata. Placentis persistenti-bus, dissepimento spurio („saepe incompleto“ Meisner l. c. id quod nulla in specie vidi) fragili a placentis demum soluto (non „semper cum iis coniuncto“ Smith in descriptione G. latei et phoenicei Engl. Fl. III. 6, 7). Semina plurima, nitida, dissepimenti spurii foveolis immersa. Radicula embryi ad micropyle versa, cotyledones ovatae, positione varia. Plumula nulla. In herba Glaucii lutei Scop., maculati Hort. Monsp., fulvi Sm., corniculati Curt. et in radice trium priorum tantum succum aquae similem gustu ingrato inveni. Cum Bernhardio igitur censeo De Candolleum, End-*

licherum et alios plantis generis Glaucii per errorem suc-  
cum croceum adscribere.

### EXPLICATIO FIGURARUM.

1. Flos apertus Glaucii lutei Scop. Ad  $\alpha$  gemma axillaris ob pedunculum et folium, cuius ex axilla oritur, non visibilis *m. n.*
2. Folium radicale  $\frac{1}{2}$  *m. n.*
3. Alabastrum nondum apertum, sepala dextrorum torta  $\frac{2}{3}$  *m. n.*
4. Fructus, sinistrorum tortus  $\frac{1}{2}$  *m. n.*
5. Alabastrum, sepalis sublatis. Petala transversim corrugato-plicata *m. n.*
6. Stamen a latere externo visum *m. a.*
7. Stamen a latere interno visum *m. a.*
8. Sectio antherae alabastri dimidio minoris quam adulti, quatuor loculos exhibentis.
9. Sectio antherae paululum ante dehiscentiam, duos loculos exhibens, septis fere consumptis; *p, p* rudimenta septorum *m. a.*
- 10 et 11. Pollen ab ambobus lateribus sub acido sulphureo visum. Cuticula granuloso incrassata; membrana unica. Vittae pellucidiores tamen granulatae tres *m. a.*
12. Sectio per medium alabastrum symptyxin sepalorum imbricatam et petalorum imbricato-convolutivam exhibens; *s, s* sepala; *a-a, b-b, c-c, d-d* petala; *f-f* stamina; *g* germen alabastro contrarie compresum.
13. Schema positionis partium floris; *s, s* sepala; *p, p, p, p* petala cum sepalis alternantia; *f, f* stamina; *g* germen.
- 14, 15. Germen et stigma ab ambobus lateribus visum *m. n.*
16. Stigma bilobum superne visum *m. a.*
17. Sectio verrucae germinis.
18. Sectio per basim germinis verrucosi; iam bene valvae *v, v* a placentis intravalvularibus *p, p* distinguuntur possunt; *f, f, f* funiculi gemmularum secando destructarum.
19. Sectio per medium germinis; *o, o, o, o, o, o, o* gemmulae; litterae ut in fig. praec.; germen uniloculare; placentae: *p, p* interne simbriatae.
20. Sectio per superiorem partem fructus immatura viridis; *s, s* semina duo immatura; *v, v* valvae; *p, p* placentae, interne iam fere omnino connatae, spatio parvo nondum repleto.
21. Sectio per fructum maturum; *v, v* valvae; *p, p* pla-

- centae; *d*, *d* dissepimentum spurium, quod totam fructus cavitatem explet; *s*, *s* semina duo. Placentae, valvae, dissepimentum spurium iam vix inter se cohaerent.
22. Gemmula prima aetate; *n* nucleus.
23. Gemmula longius aetate proiecta; *f* funiculus; *n* nucleus; *i* integumentum internum, quod ante externum oritur.
- 24 et 25. Gemmulae aetate proiectiores quam in fig. 23. e integumentum externum in fig. 24 modo enascitur; iugementum utrumque in fig. 25. exhibet duo strata cellularum.
26. Gemmula matura tempore foecundationis; *f* funiculus cum fasciculo vasorum spiralium; *e* integ. extern.; *i* integ. intern.; *n* nucleus; *m* micropyle.
27. Pars placentae positionem gemmularum obliquam exhibentis; *a* ad apicem; *b* ad basim germinis spectat. Micropyle deorsum versa.
28. Fructus, valva sublata, semina sessilia dissepimenti spurii foveolis immersa exhibens, superne visus *m. n.*
29. Idem a latere visus *m. n.*
30. Semen scrobiculatum; *m* micropyle a qua hilum distinguiri non potest; *u* raphe *m. a.*
31. Scrobes semenis, unusquisque cellula unica formatus, magis aucti.
- 32 et 33. Sectio semenis; longitudinalis; *a* albumen; *e* embryo. Cotyledonum embryi positio fortuita. Radicula ad micropyle versa.
34. Sectio embryi; *d*, *d* cotyledones; *c* fasciculus cambialis; *r* radicula duobus stratis cellularum semilunariter apice tecta.
35. Sectio testae semenis; strata tria *a-a*, *b-b*, *c-c*; unam igitur integumentorum consumptum; *a-a*, *b-b* brunnea; *c-c* brunneo-album; *a-a* filamentoso-incrassatum; *b-b* granuloso-incrassatum; superficies strati *a-a* minute tuberculosa *m. a.*
36. Pilus articulatus folii cuticula granulosa coopertus *m. a.*

