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BRITISH
FRESH-WATER ALGÆ.
VOL. II.

52159

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11-2

BRITISH
FRESH-WATER ALGÆ.

EXCLUSIVE OF
DESMIDIEÆ AND DIATOMACEÆ.

BY

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*Author of "Handbook of British Fungi," "Mycographia," "Illustrations
of British Fungi," &c., &c.*

VOL. II. PLATES.

WILLIAMS AND NORGATE,
HENRIETTA STREET, COVENT GARDEN, LONDON;
SOUTH FREDERICK STREET, EDINBURGH.
LEIPZIG: F. A. BROCKHAUS. NEW YORK: WESTERMANN & CO.

1882—1884.

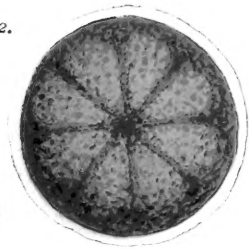
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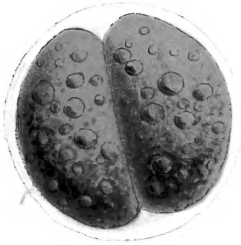
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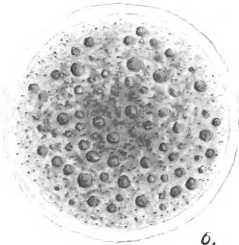


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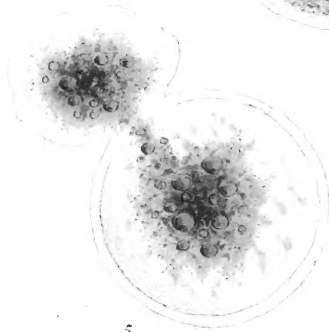
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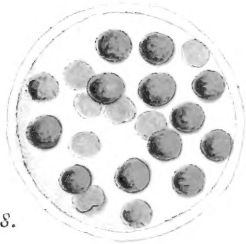
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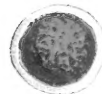
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8.



12.



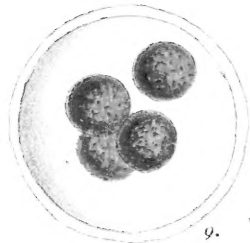
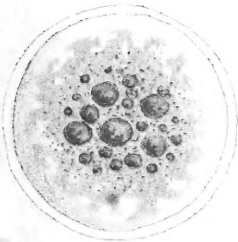
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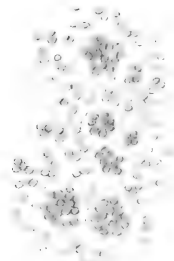
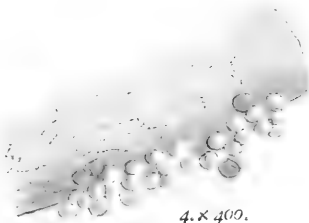
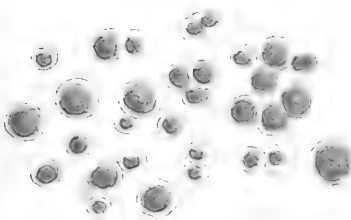
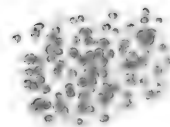
9.







1. a. - n.s.

1. b. $\times 400$.2. $\times 400$.3. $\times 400$.4. $\times 400$.4. $\times 400$.5. $\times 400$.6. $\times 400$.

1. *Pleurococcus vulgaris*. Men.
2. *Pleurococcus angulosus*. Men.
3. *Pleurococcus mucosus*. Kutz.
4. *Pleurococcus Beigelii*. Kuch.
5. *Pleurococcus miniatus*. Kutz.
6. *Pleurococcus roseo-persicinus*. Kutz.





1. x 400.



2. x 400.



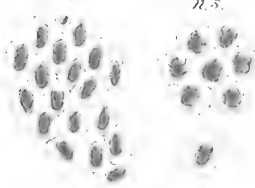
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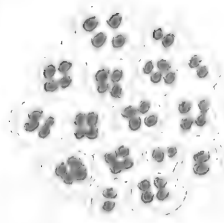
4a.



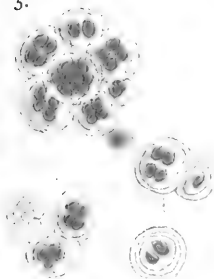
4b.



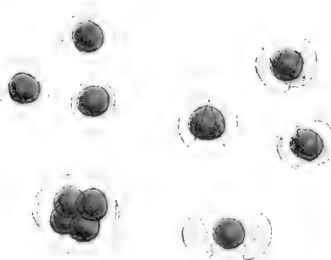
4. b. x 400.



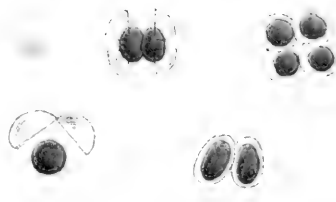
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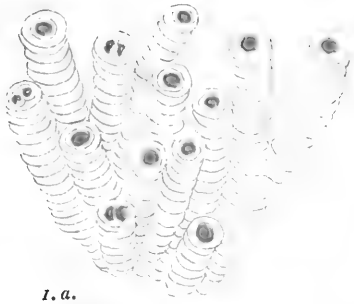
5. x 400.



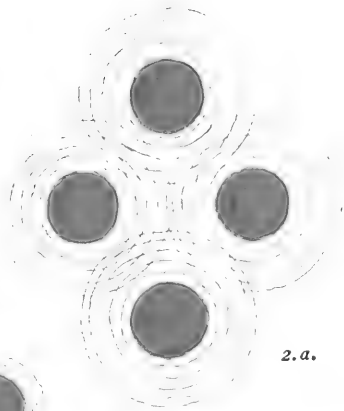
6. x 400.

1. *Glæocystis ampla*. Kutz.3. *Glæocystis botryoides*. Kutz.5. *Glæocystis Paroliniana*. Nag.2. *Glæocystis vesiculosa*. Nag.4. *Glæocystis adnata*. Huds.6. *Schizochlamys gelatinosa*. Br.

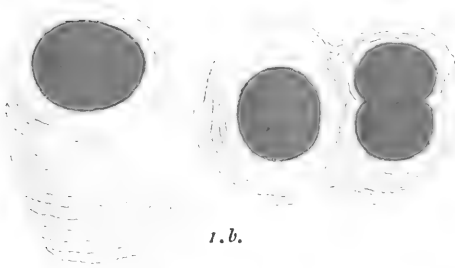




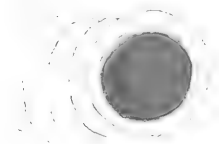
1. a.



2. a.



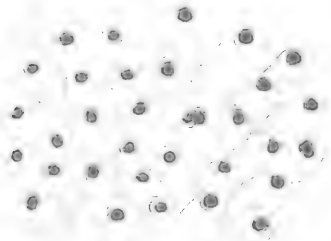
1. b.



2. b.



3. a.



4. a.



3. b.



4. b.

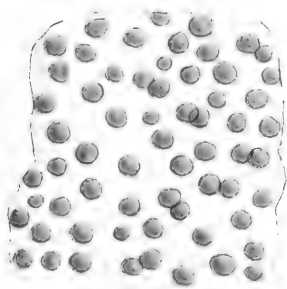
1. *Urococcus Hookerianus*, Hass.

2. *Urococcus insignis* Hass.

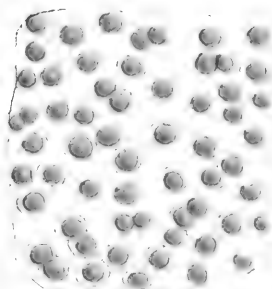
3. *Urococcus Allmanni*. Hass.

4. *Urococcus cryptophilus*. Hass.

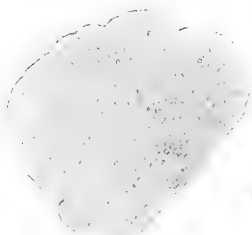




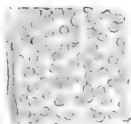
1. $\times 400$.



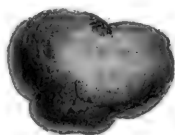
2. $\times 400$.



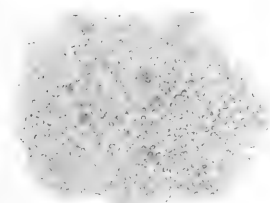
3. a. $\times 400$.



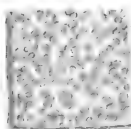
3. b. $\times 800$.



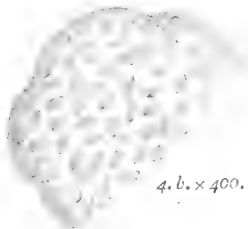
4. a. - n.s.



5. a. $\times 400$.



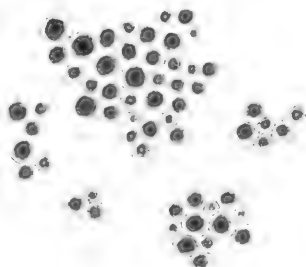
5. b. $\times 800$.



4. b. $\times 400$.



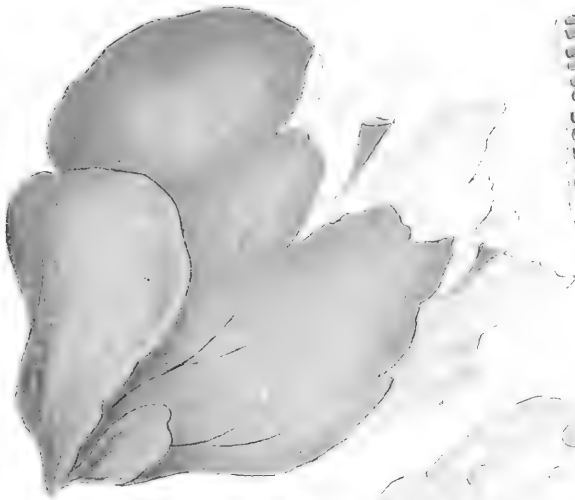
6. a. - n.s.



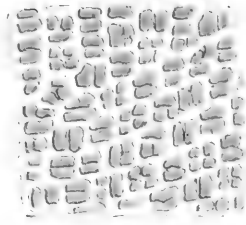
6. b. $\times 400$.

1. *Palmella mucosa*. Kutz. 2. *Palmella miniata*. v. *aequalis*. Nog.
 3. *Palmella hyalina*. Breb. 4. *Palmella Mooreana*. Harv.
 5. *Palmella prodigiosa*. Elor. 6. *Porphyridium orientum*. Ag.





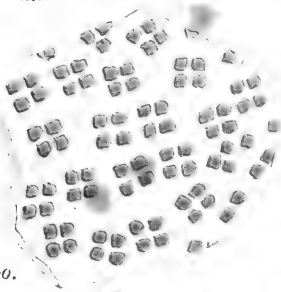
1. a. - n.s.



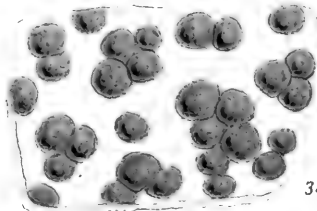
1. b. x 400.



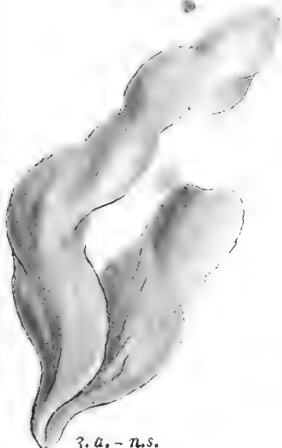
2. a. - n.s.



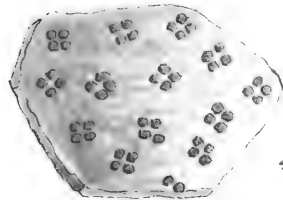
2. b. x 400.



3. b. x 400.



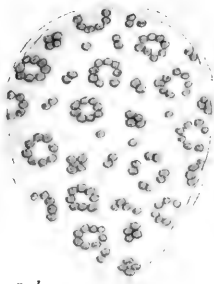
3. a. - n.s.



4. x 400.

1. *Tetraspora bullosa* Ag. 2. *Tetraspora gelatinosa* Desu.
 3. *Tetraspora lubrica* Ag. 4. *Tetraspora flava* Hass.



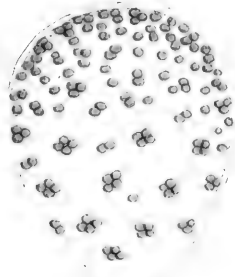


1. b.

x 100



1. a.

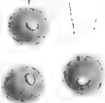


1. c.

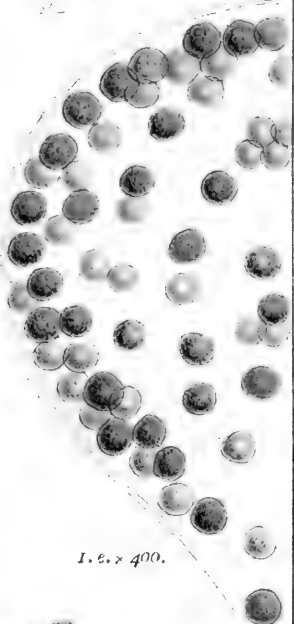


1. d. x 200.

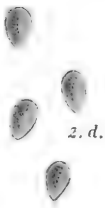
1. f.



1. g. x 400.



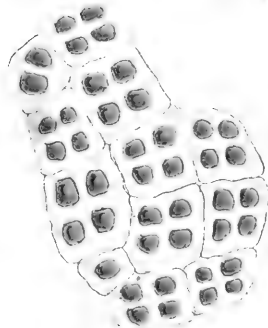
1. e. x 400.



2. d.



2. b.



2. c.

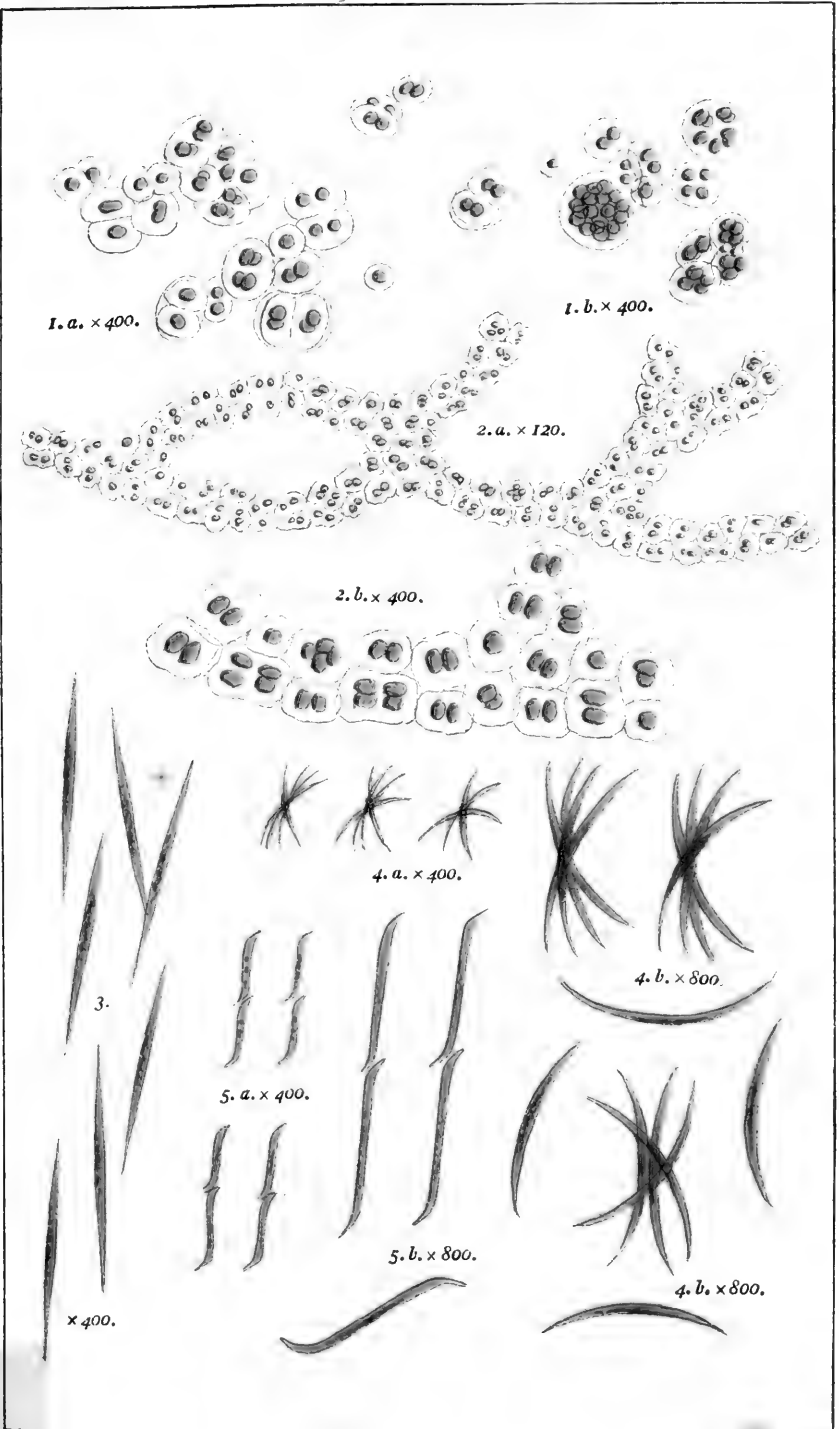


2. a.

1. *Apicocystis Brauniana*. Nag.

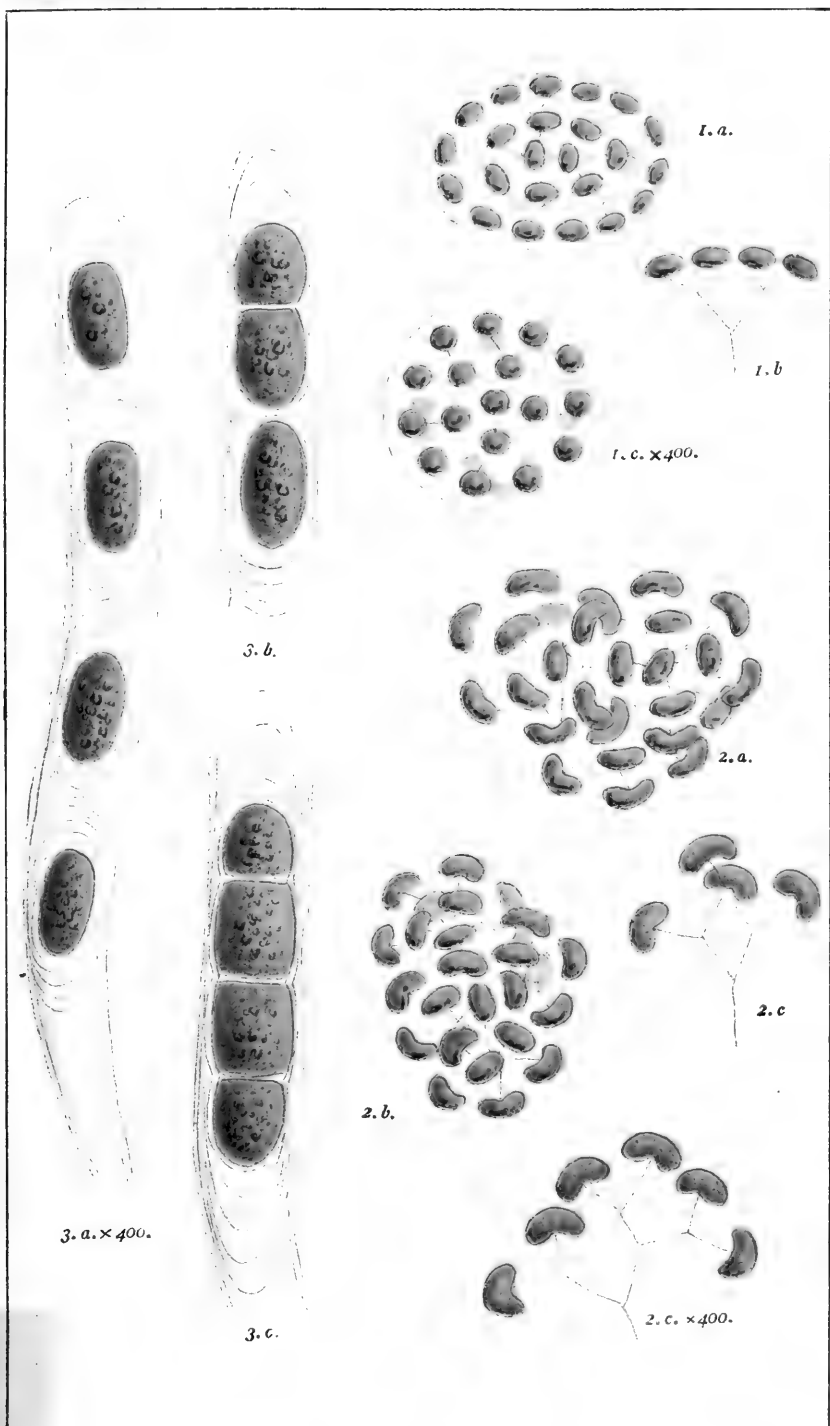
2. *Botryococcus Braunii*. Kutz.





1. *Glaucocystis rupestris*. Lyng. 2. *Palmodietyon viride*. Kutz.
 3. *Rhabdium aciculare* Br. 4. *Rhabdium falcatum*. Rabh.
 5. *Rhabdium duplex*. Kutz.

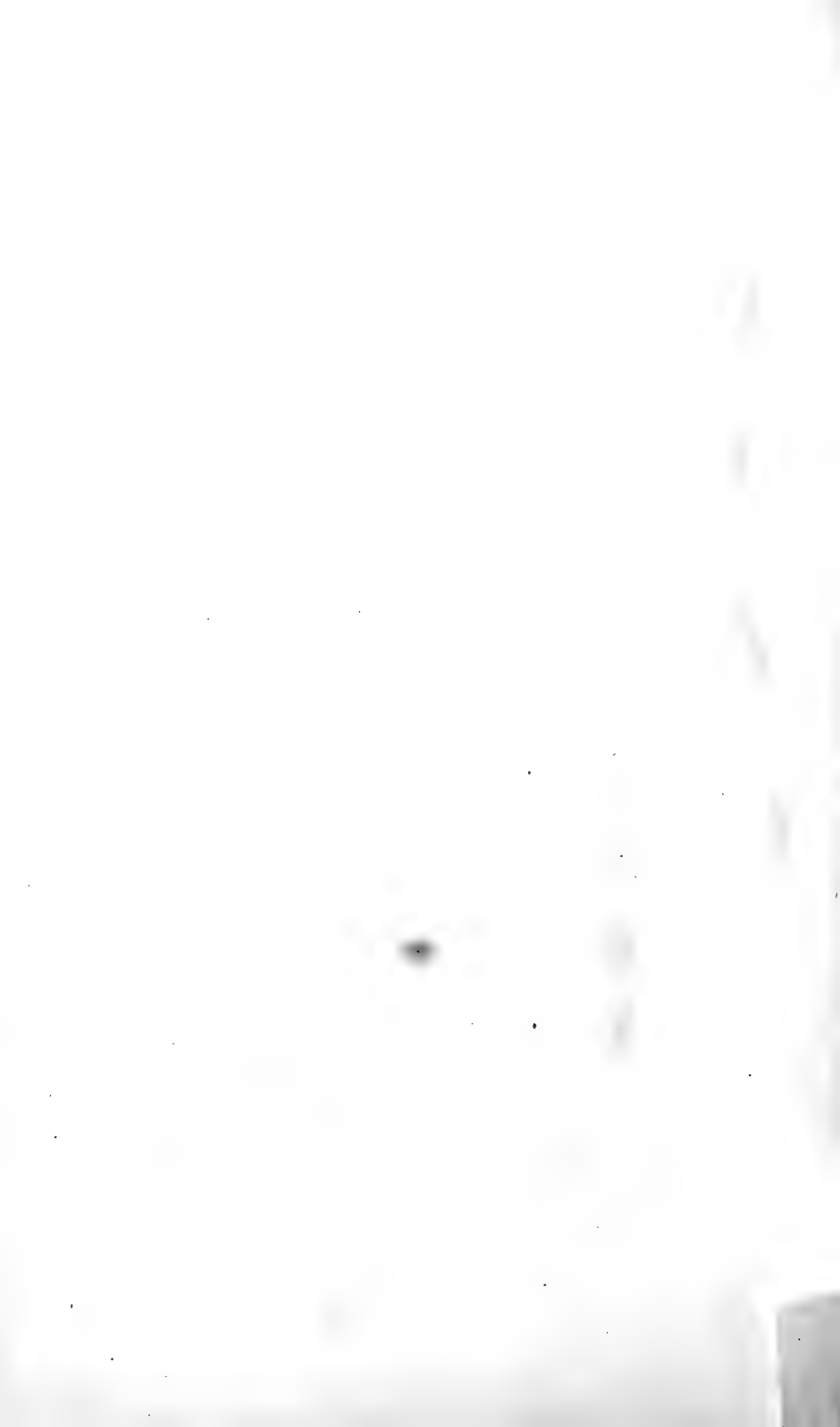


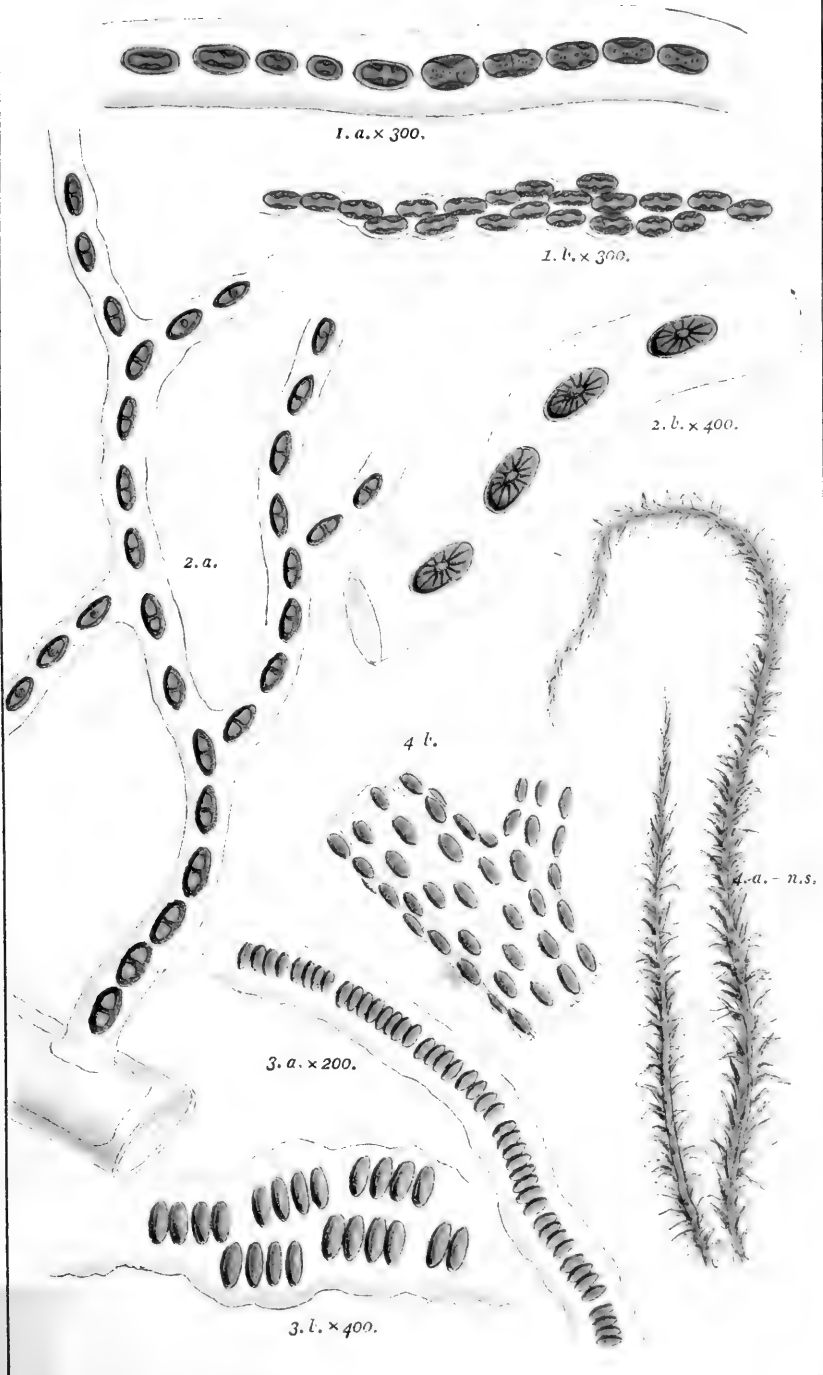


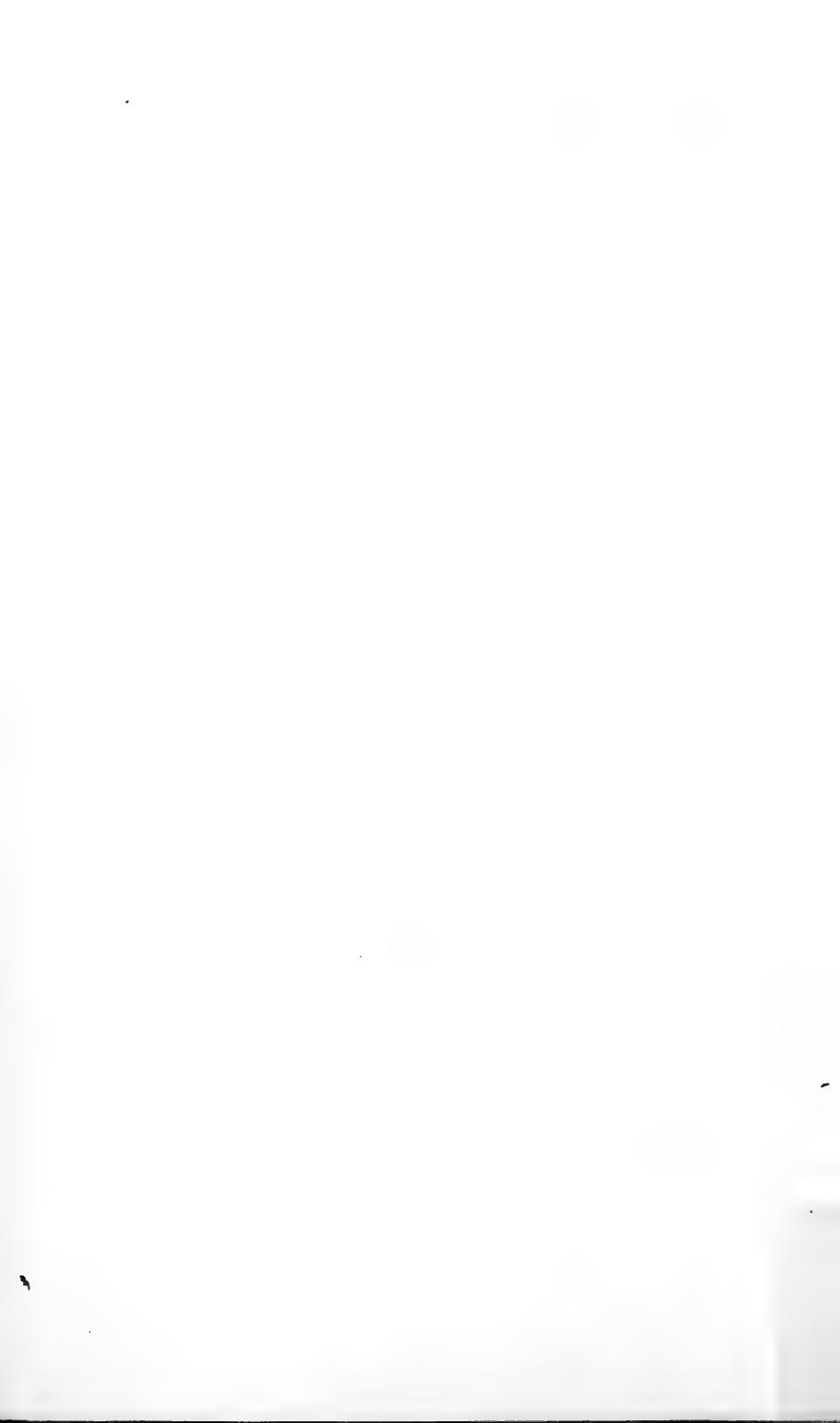
1. *Dietyosphærium Ehrenbergianum*. Nag.

2. *Dietyosphærium reniforme*. Buln.

3. *Cylindrocapsa involuta*. Reinsch.

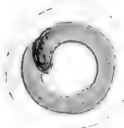


1. *Hormospora mutabilis*. Breb.2. *Hormospora ramosa*. Thw.3. *Hormospora transversalis*. Breb.4. *Hydrurus penicillatus*. fig.





1. a.



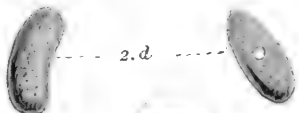
1. c.



1. b.



1. d.



2. d.



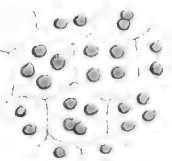
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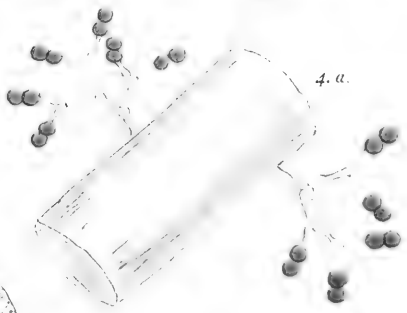
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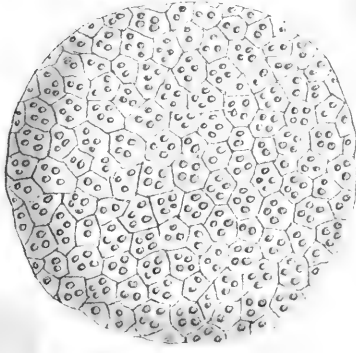
2. l.



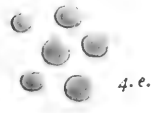
3. b.



4. a.



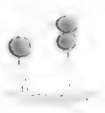
3. a.



4. e.



4. d.



4. b.

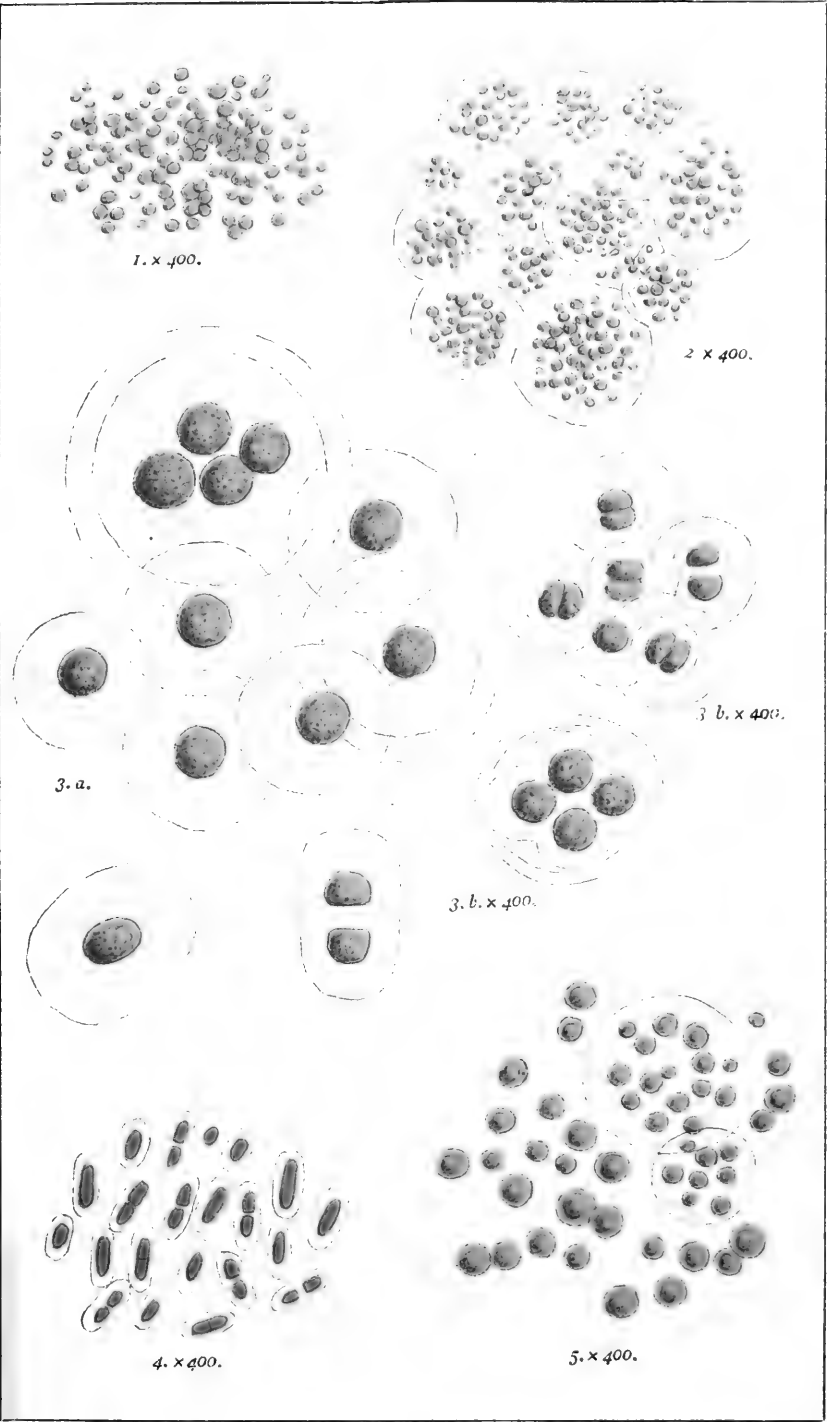


4. c.

1. *Nephrocytium Agardhianum*. Nag.
 3. *Botrydina vulgaris*. Breb.

2. *Nephrocytium Naegelii*. Gr.
 4. *Mischococcus confervicola*. Nag





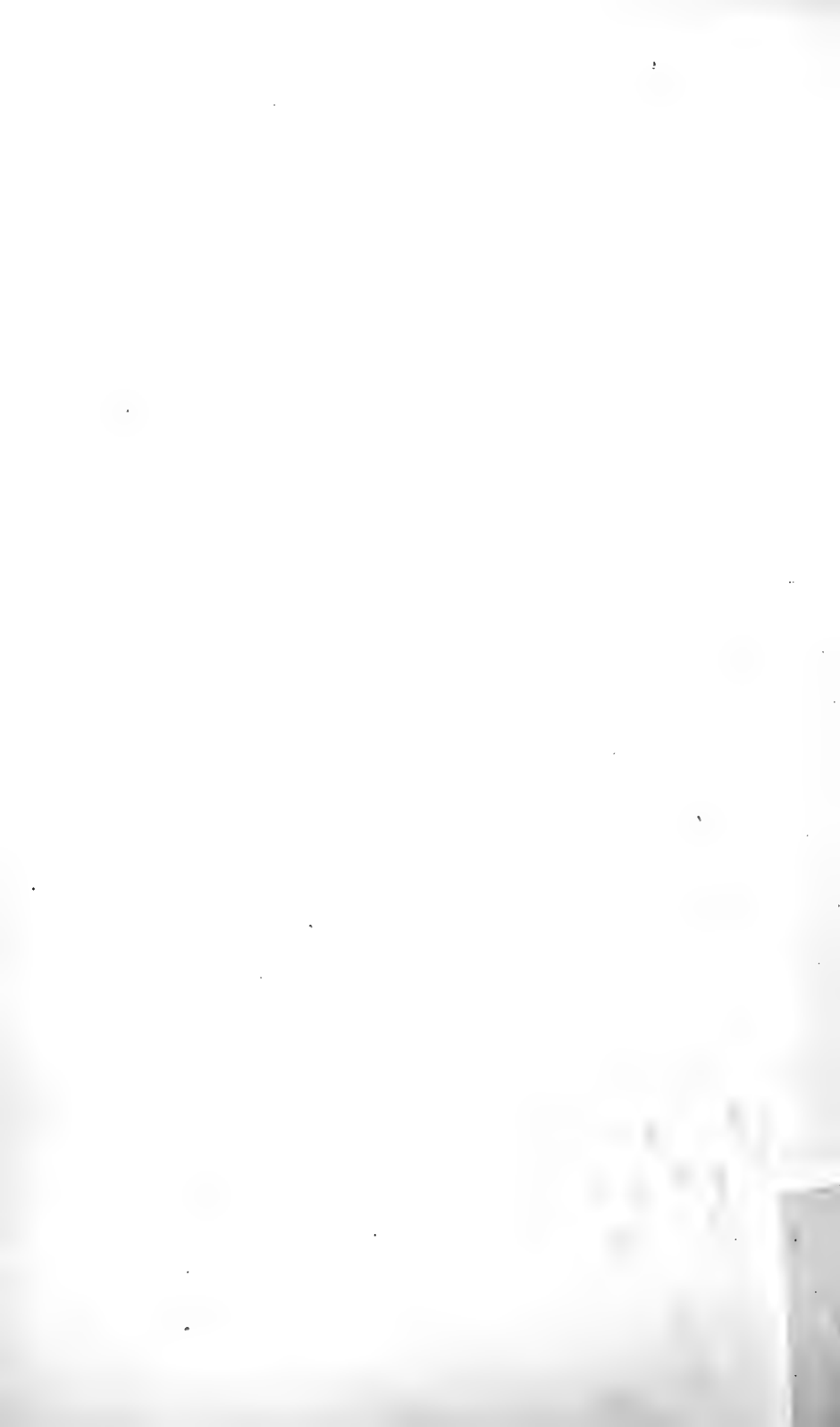
1. *Protococcus viridis*. Ag.

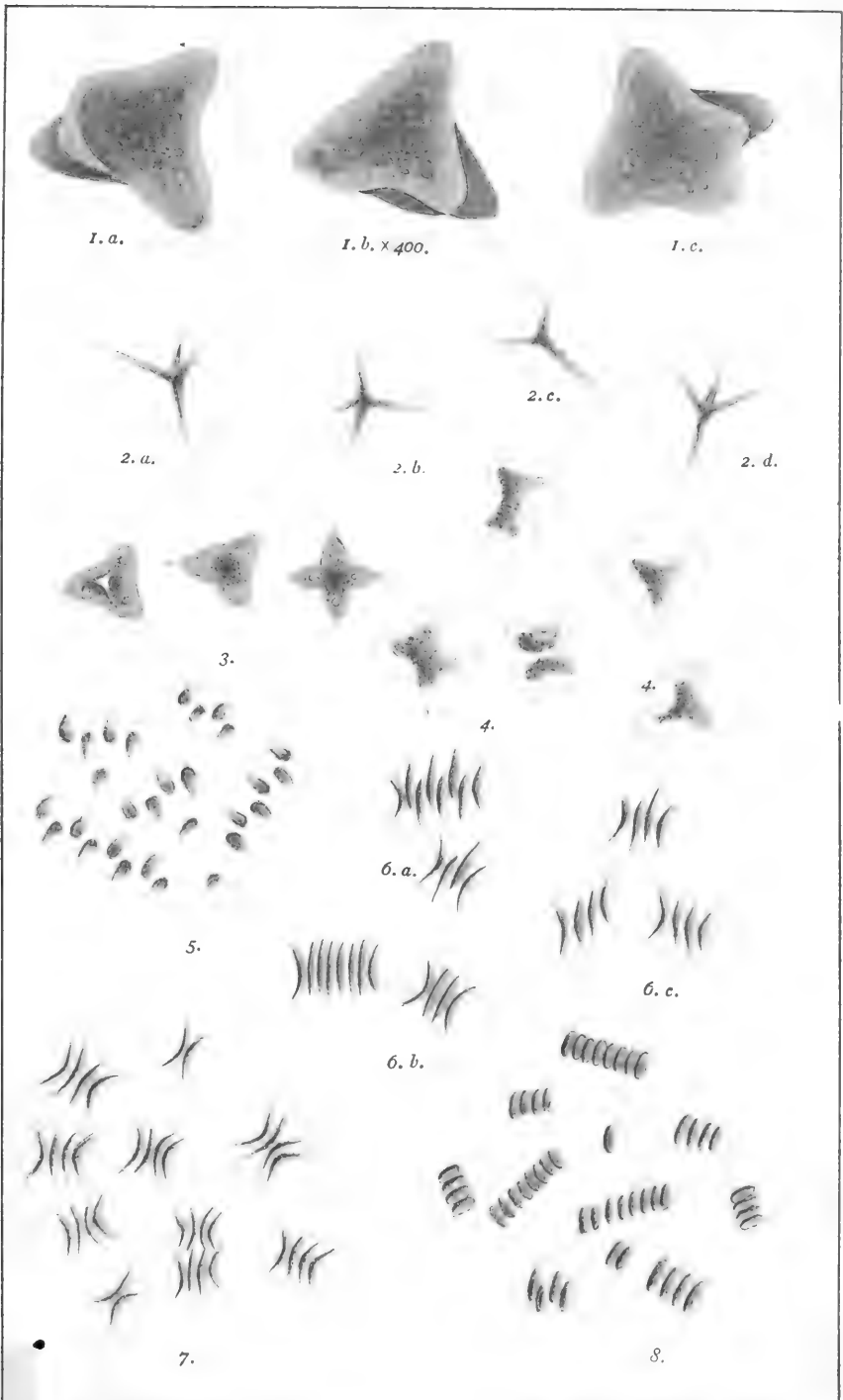
2. *Chlorococcum frustulosum*. Carm.

3. *Chlorococcum gigas*. Grun.

4. *Chlorococcum murorum*. Grun.

5. *Chlorococcum humicola*. Näg.





1. a.

1. b. x 400.

1. c.

2. a.

2. b.

2. c.

2. d.

3.

4.

4.

5.

6. a.

6. c.

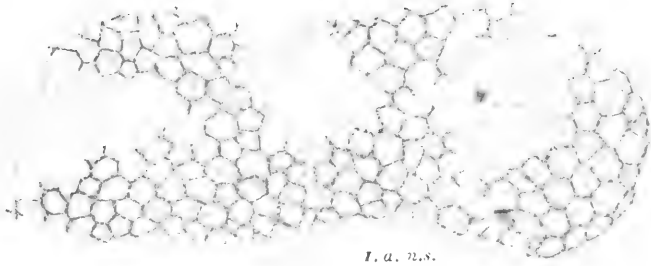
6. b.

7.

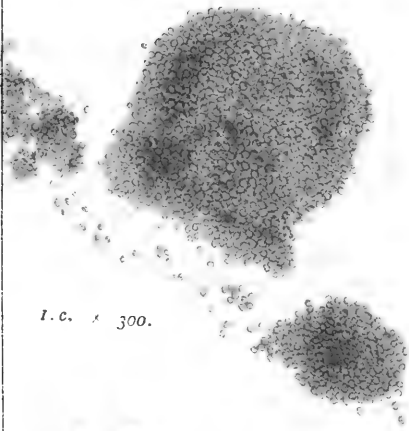
8.

- | | |
|---|---|
| 1. <i>Polyedrium gigas</i> . Wittr. | 2. <i>Polyedrium longispinum</i> . Perty. |
| 3. <i>Polyedrium tetrahedricum</i> . Nag. | 4. <i>Polyedrium enorme</i> . @Bary. |
| 5. <i>Scenedesmus obtusus</i> . Mey. | 6. <i>Scenedesmus acutus</i> . Mey. |
| 7. <i>Scenedesmus antennatus</i> . Breb. | 8. <i>Scenedesmus quadricauda</i> . Breb. |

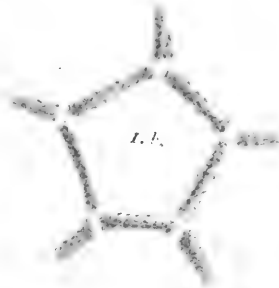




1. a. N.S.



1. c. x 300.

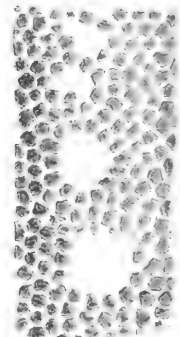


1. b.

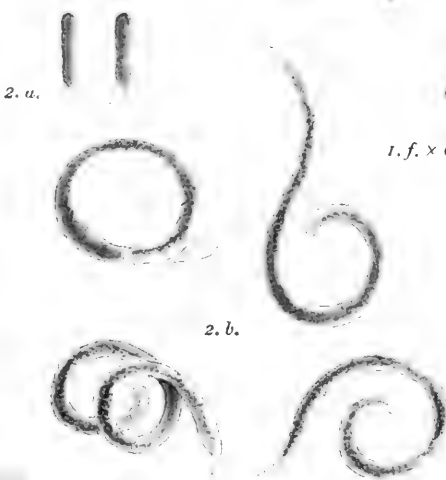


1. e.

1. f. x 600.



1. d. x 300.

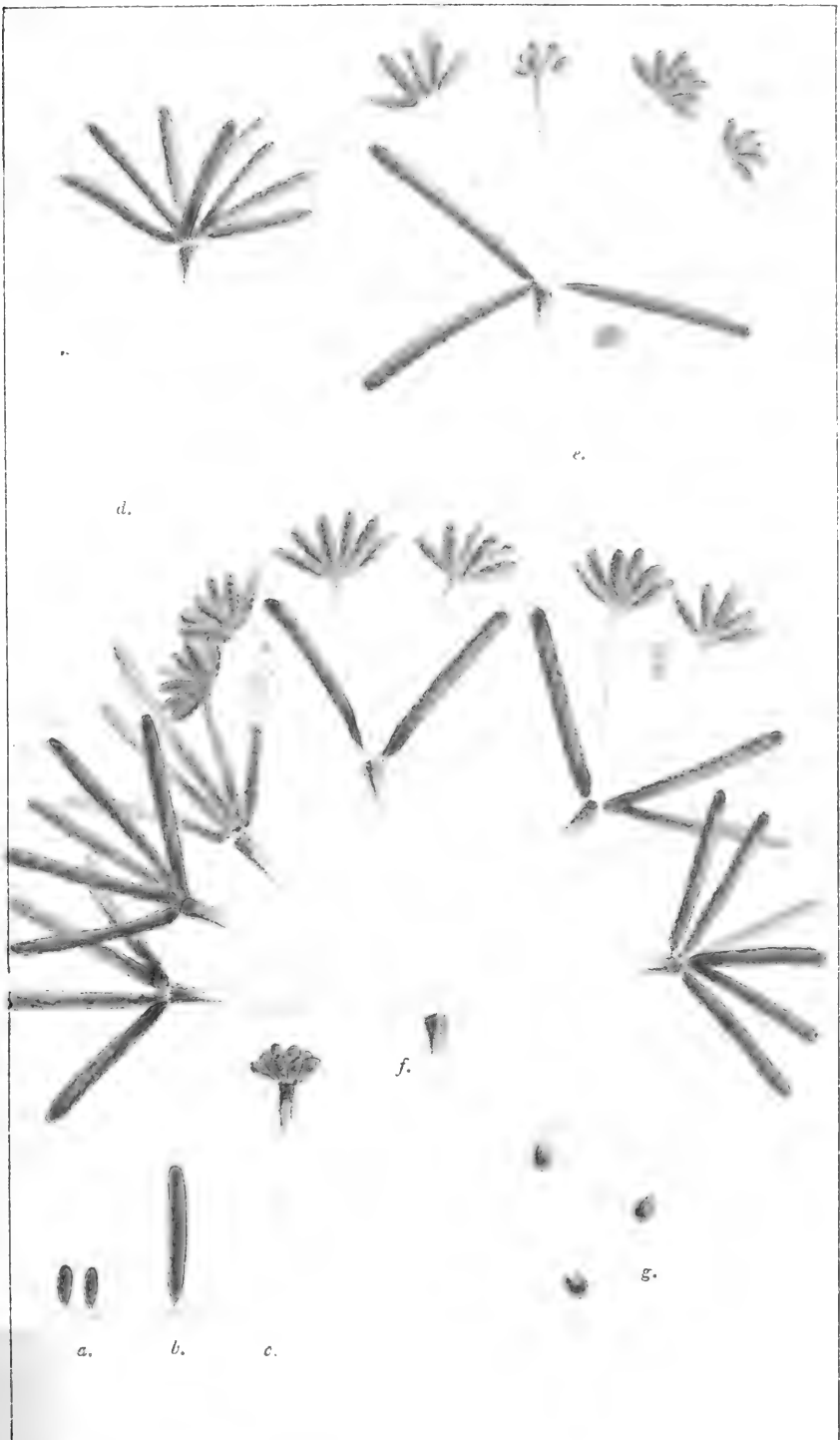


2. a.

2. b.

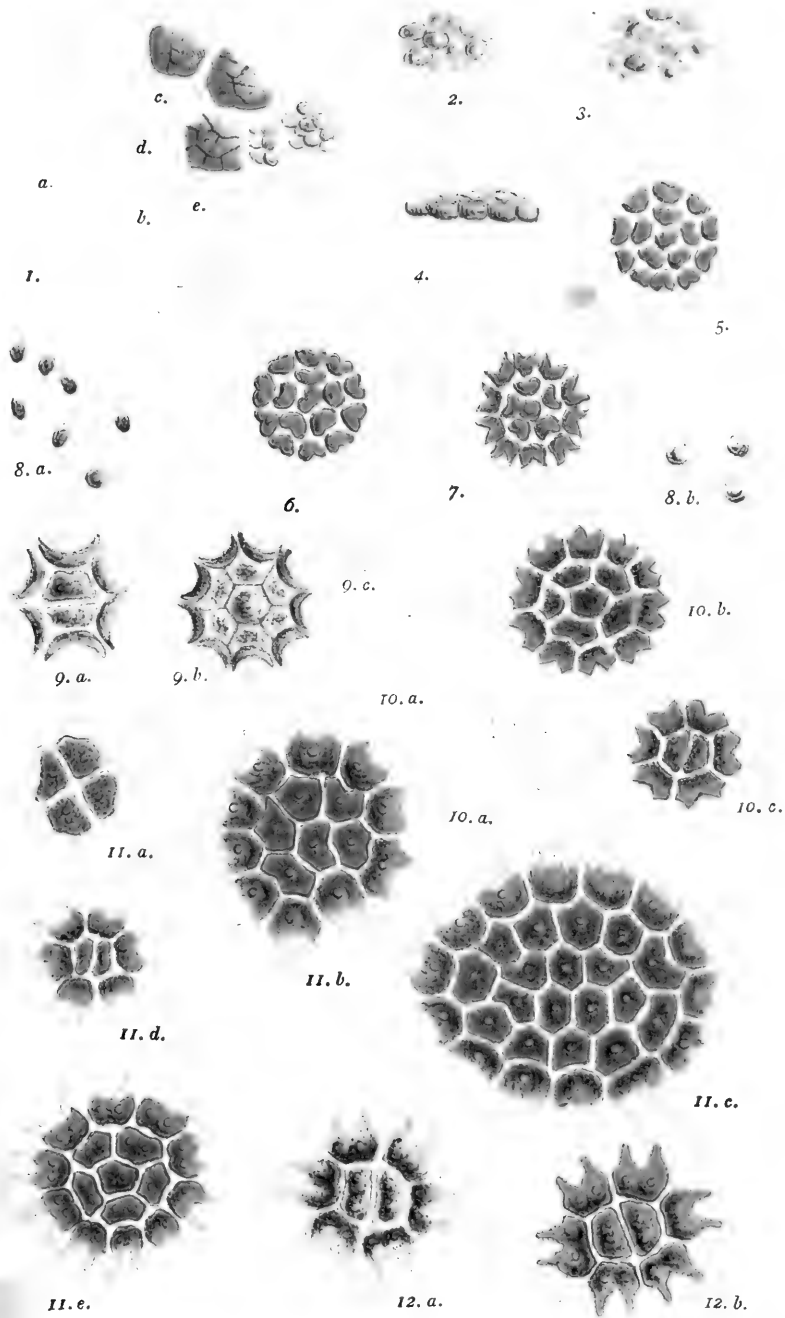
2. c.





Sciadium arbuscula. Br.





1-7. Stages of development in *Pediastrum Boryanum*. Turp.

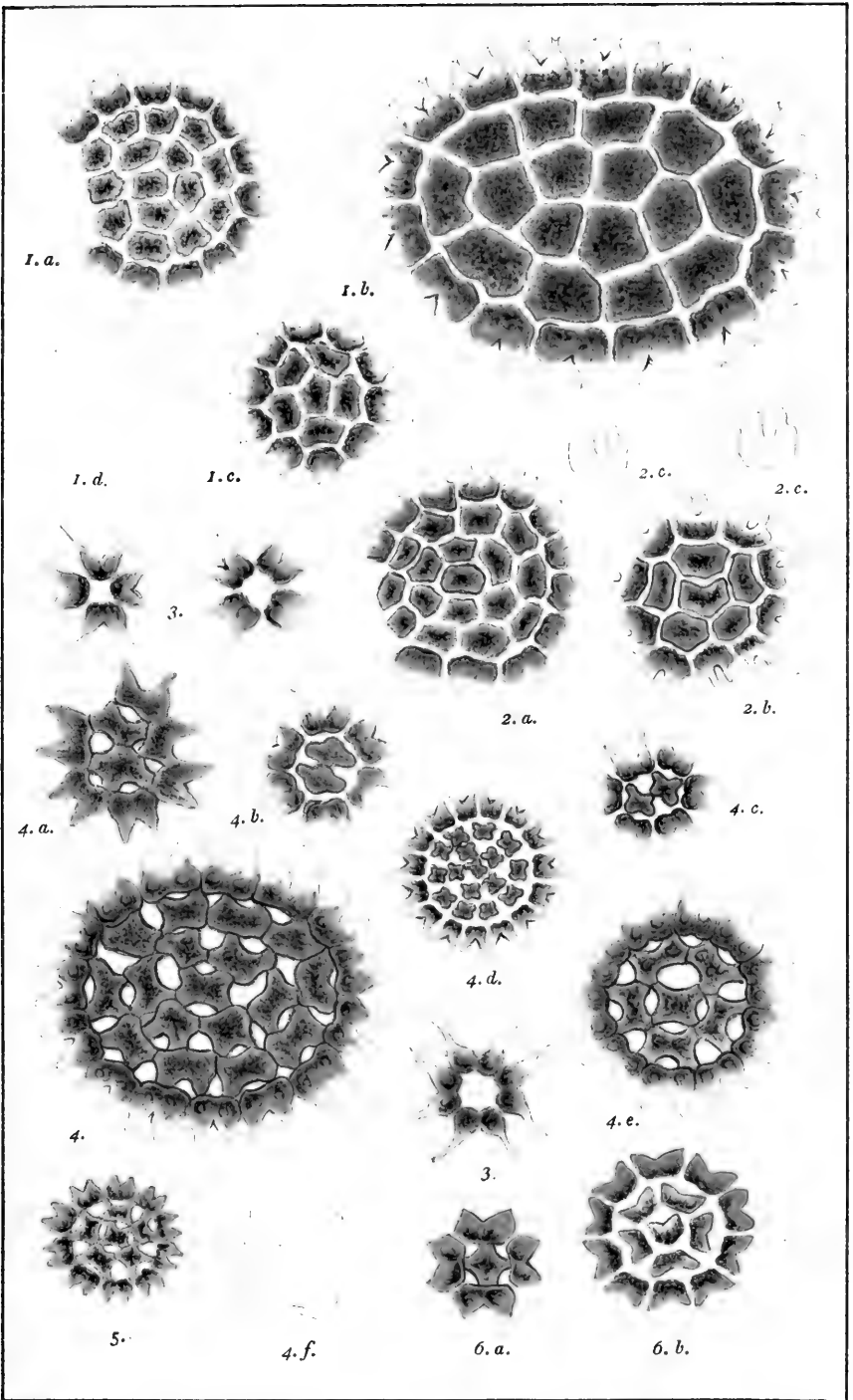
9. *Pediastrum Selenaea*. Kutz.

10. *Pediastrum angulosum*. Ehrb.

11. *Pediastrum Boryanum*. Turp.

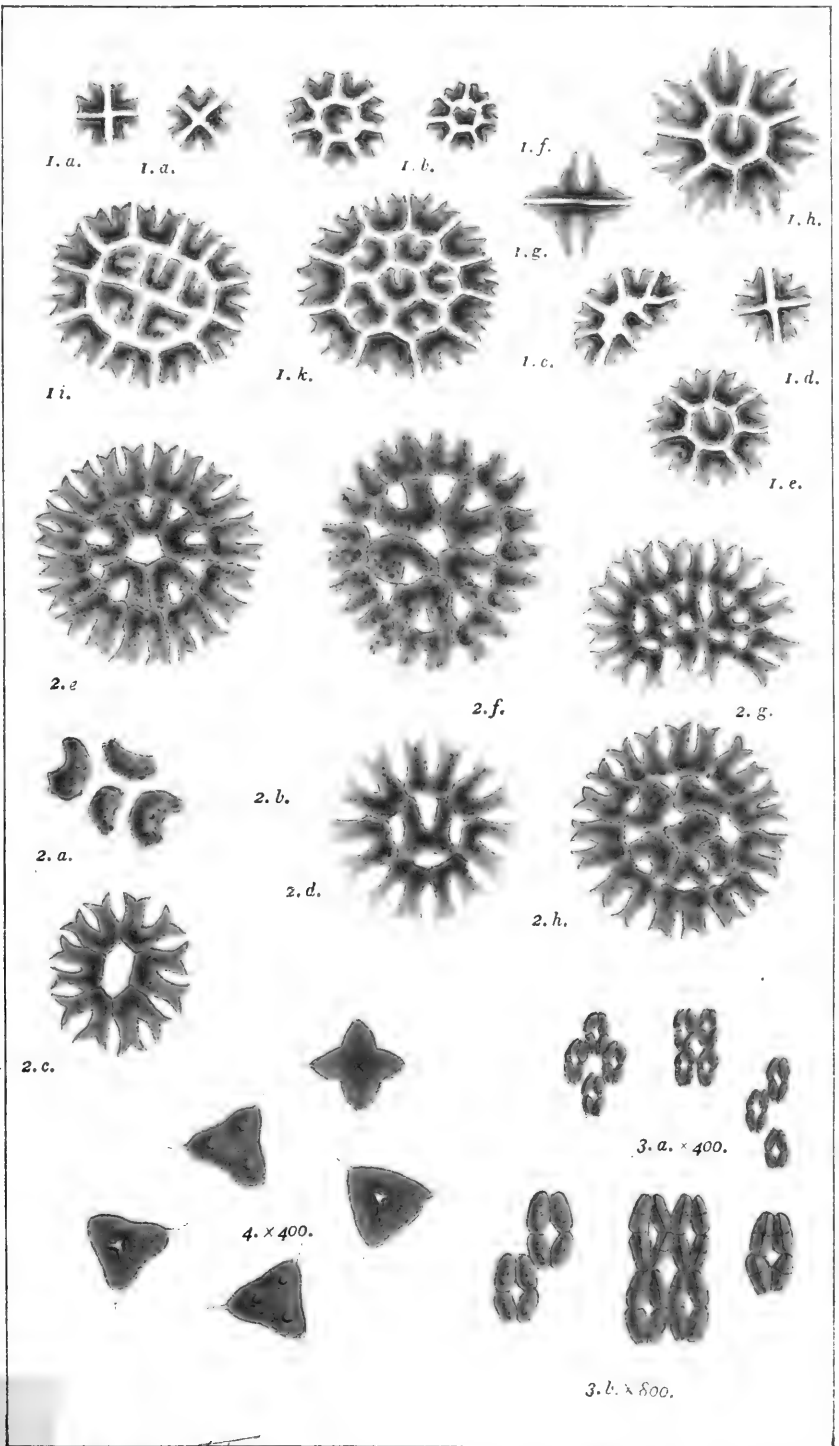
12. var. *granulosum*. Br.



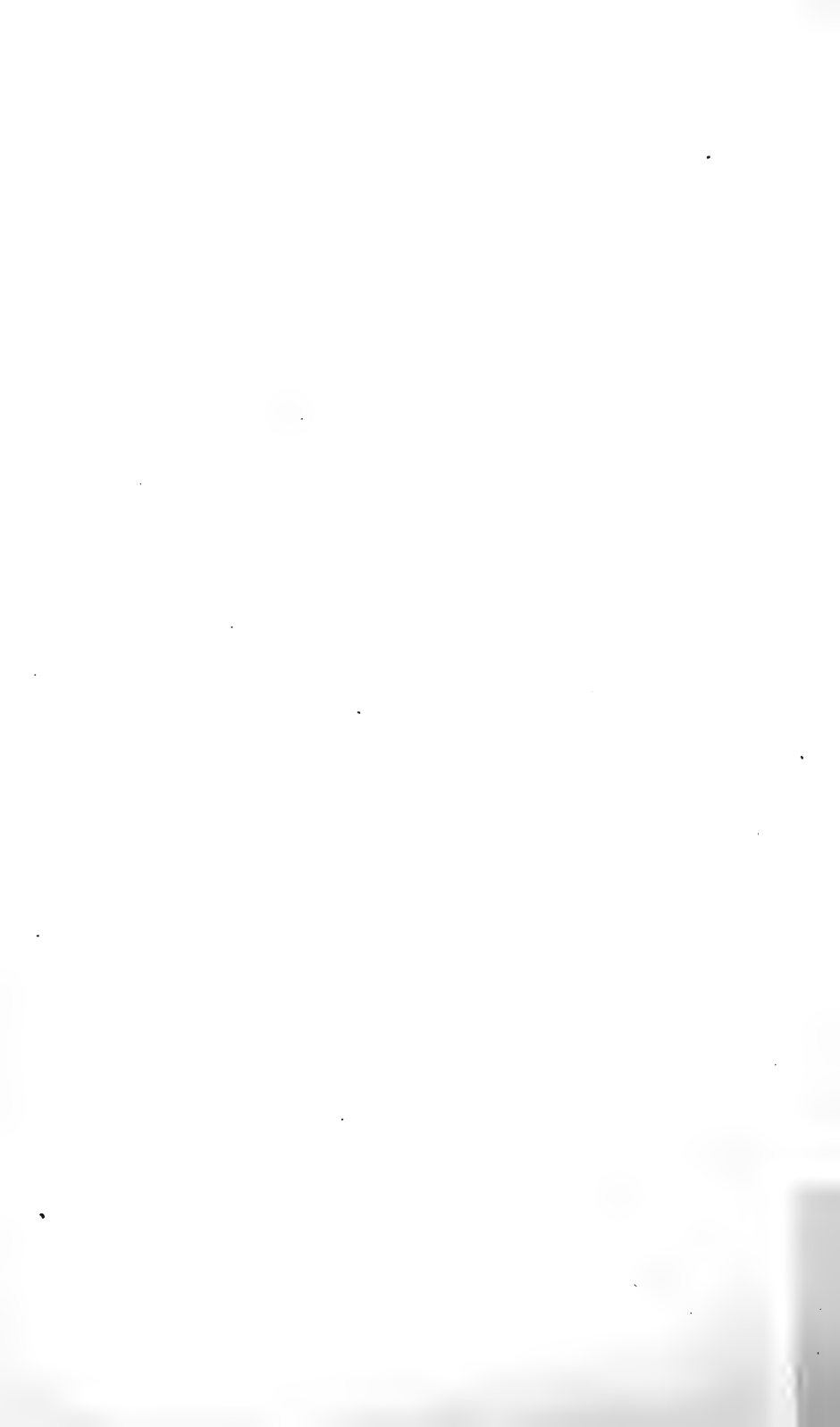


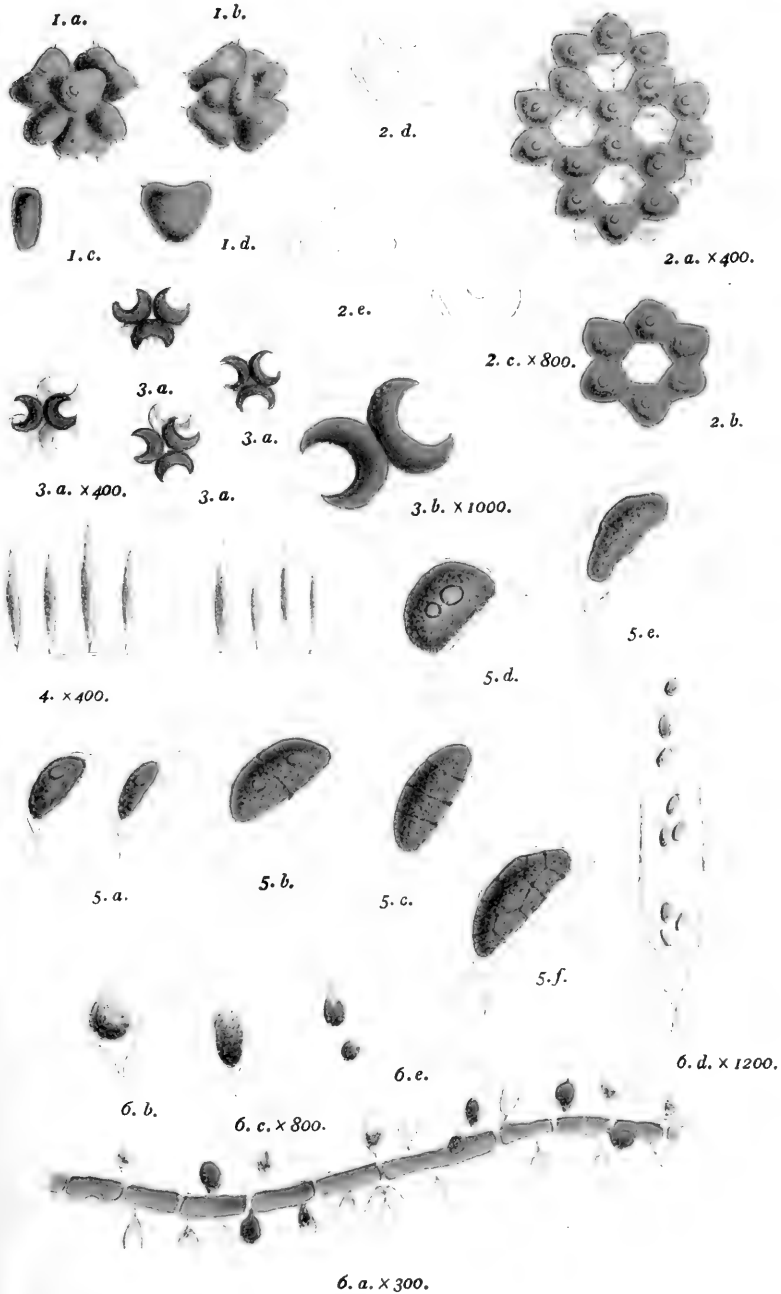
- | | |
|--|---|
| 1. <i>Pediastrum bidentulum</i> . Br. | 2. <i>Pediastrum constrictum</i> . Hass. |
| 3. <i>Pediastrum gracile</i> . Br. | 4. <i>Pediastrum pertusum</i> Kutz. |
| 5. <i>P. pertusum</i> v. <i>clathratum</i> Br. | 6. <i>P. pertusum</i> v. <i>brachylobum</i> . Br. |



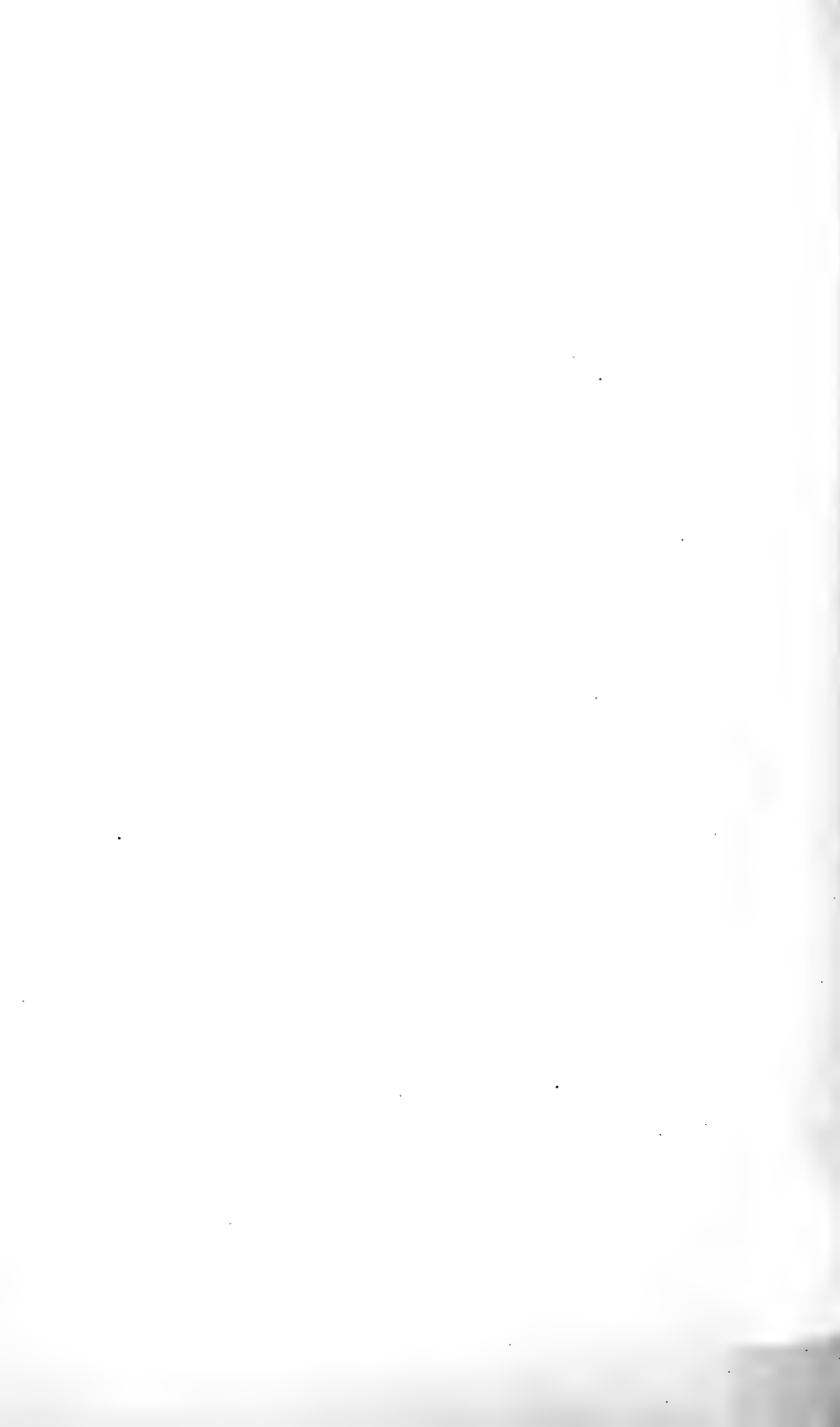


1. *Pediastrum Ehrenbergii*. Corda. 2. *Pediastrum rotula*. Ehrb.
 3. *Staurogenia rectangularis*. Nag. 4. *Polyedrium tetraedricum*. Nag.





1. *Sorastrum spinulosum*. Nag. 2. *Cœlastrum sphæricum*. Nag.
 3. *Selenastrum Bibrainum*. Reinsch. 4. *Characium tenue*. Herm.
 5. *Characium ornithocephalum*. Br. 6. *Hydrianium heteromorphum*. Reinsch.





5.

1.

2.

3.

7.

4.

8.

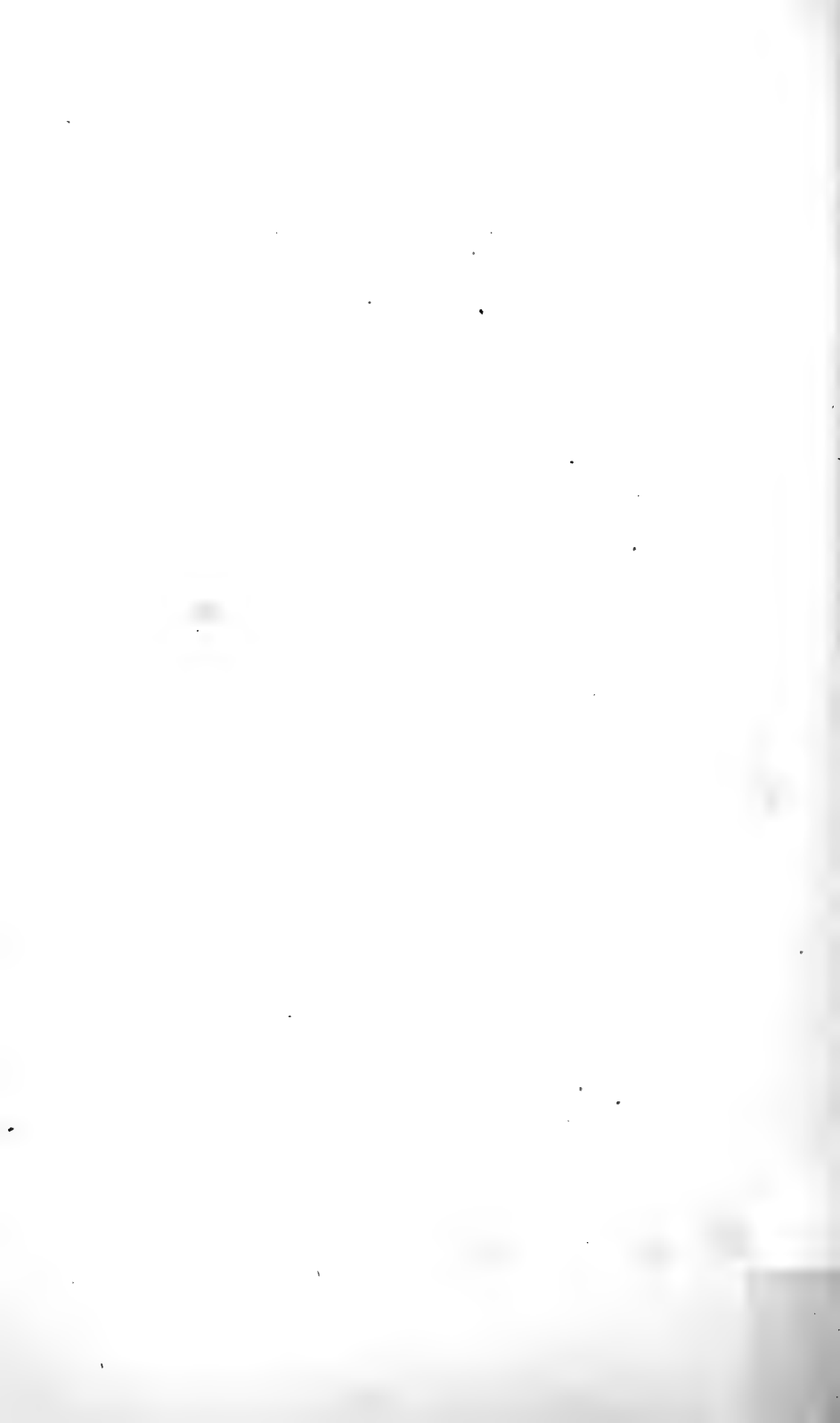
9. x 400.

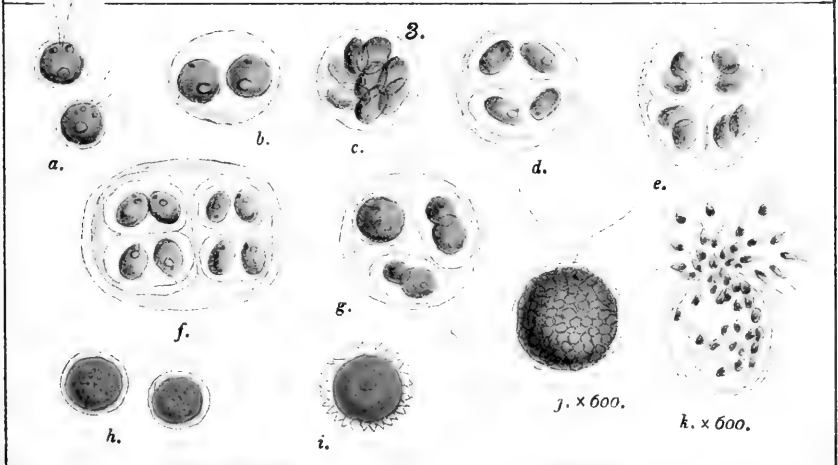
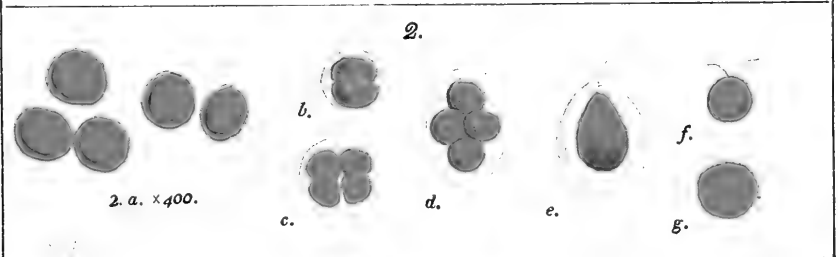
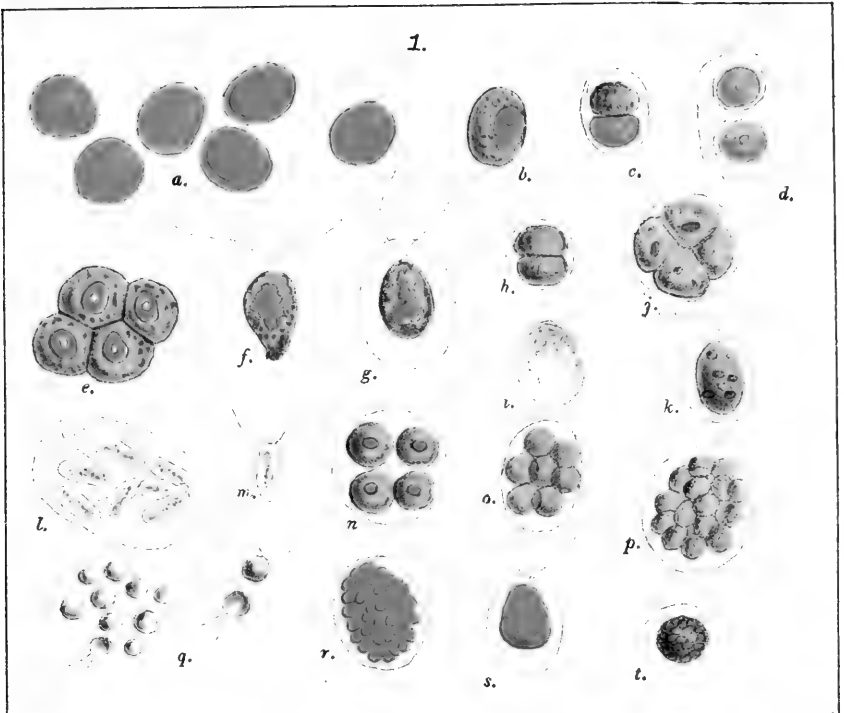
6. x 300.

11.

10.

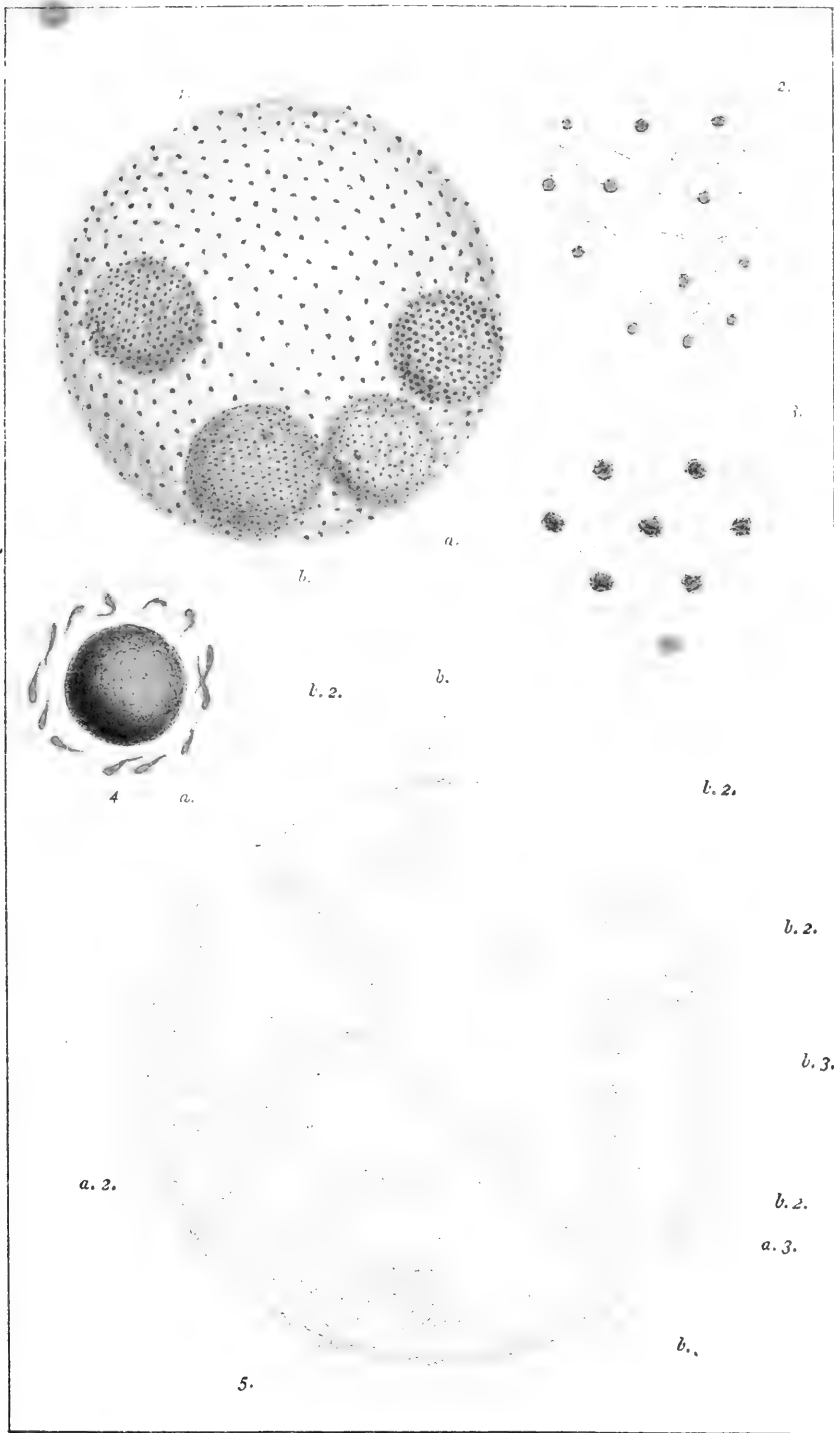
1-8. *Codiolum gregarium*. Br. 9-11. *Characium Sieboldi*. Br.





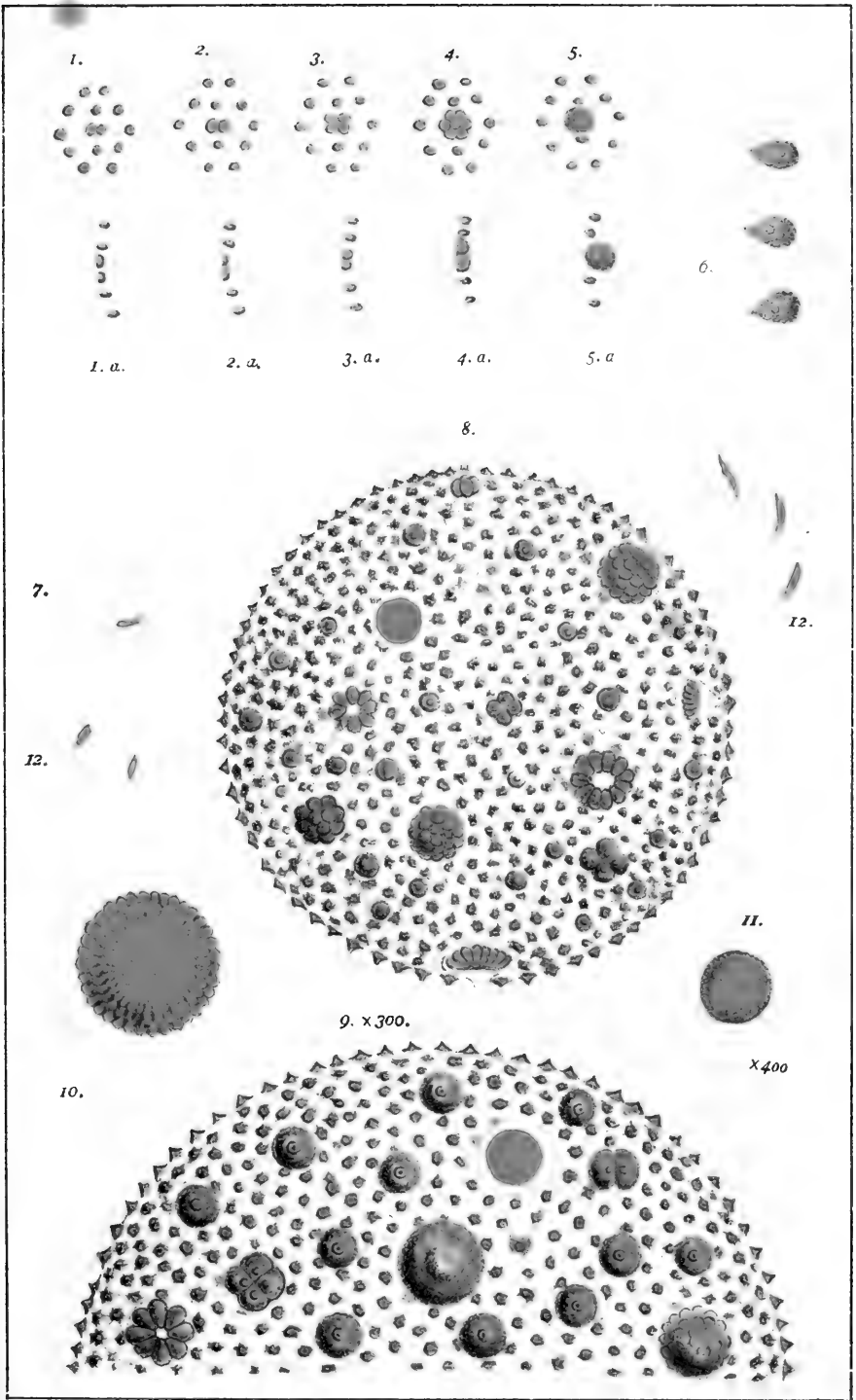
1. *Chlamydococcus pluvialis*. Br. 2. *Chlamydococcus nivalis*. Br.
 3. *Chlamydomonas pulvisculus*. Ehrb.





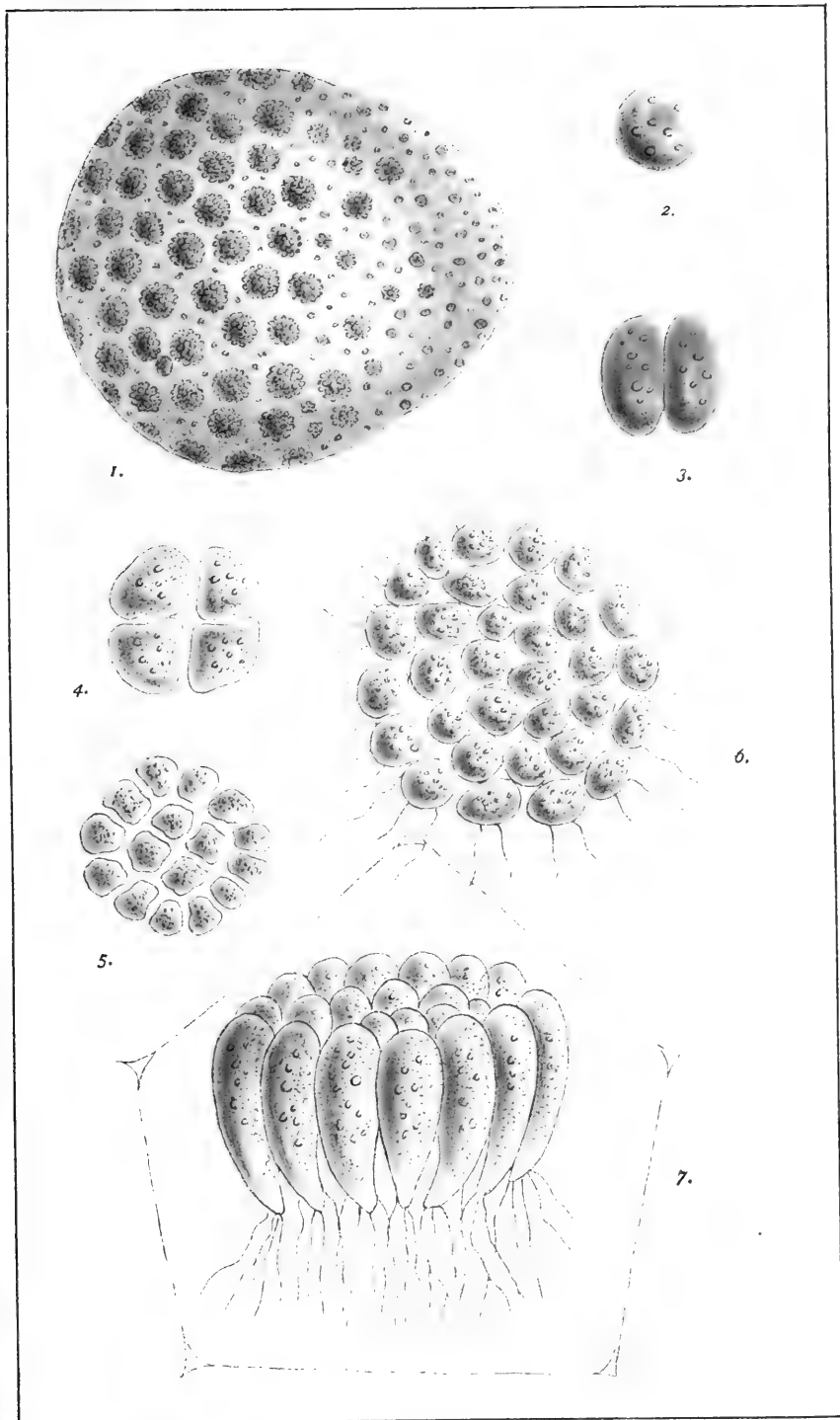
Volvox globator. Ehrb.



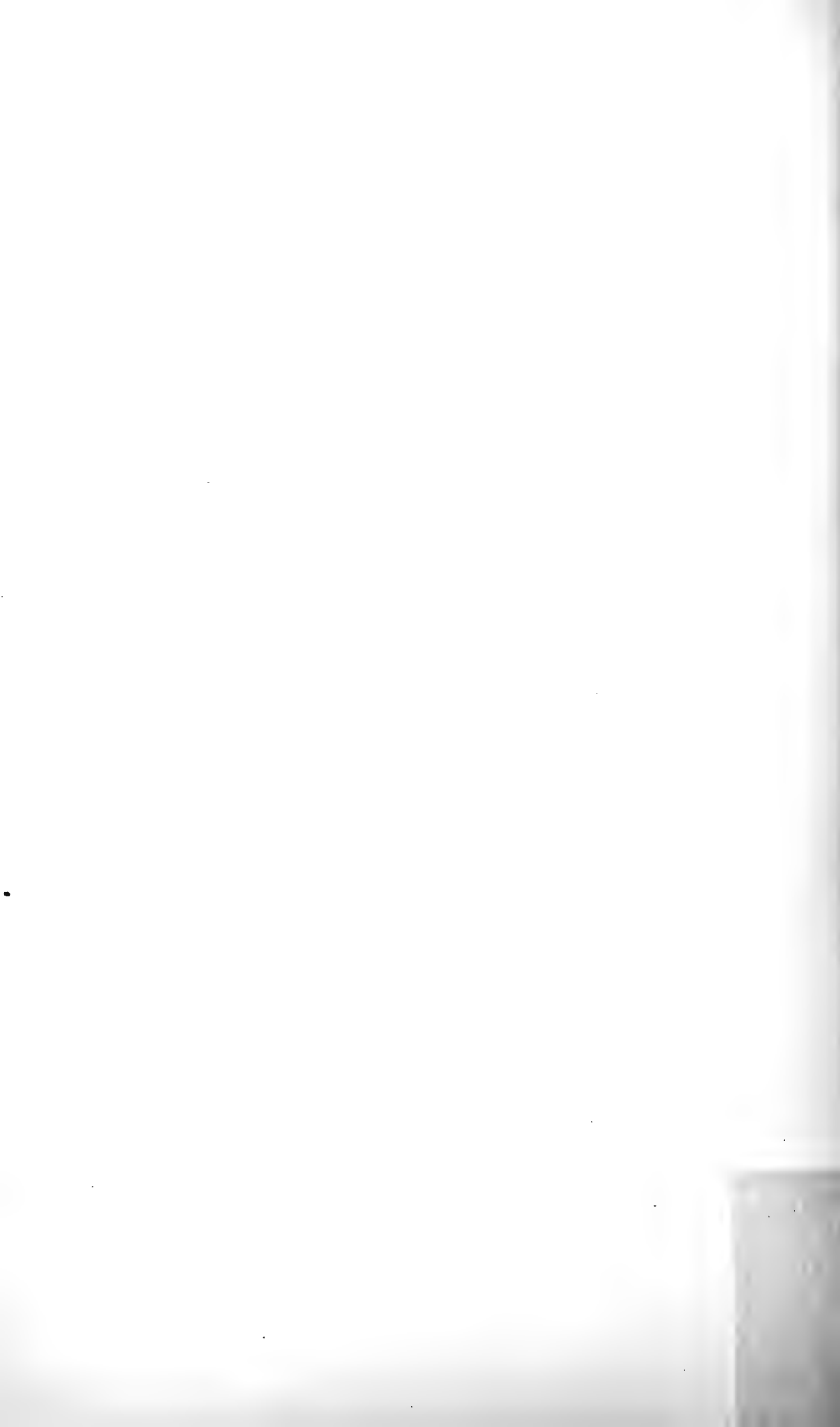


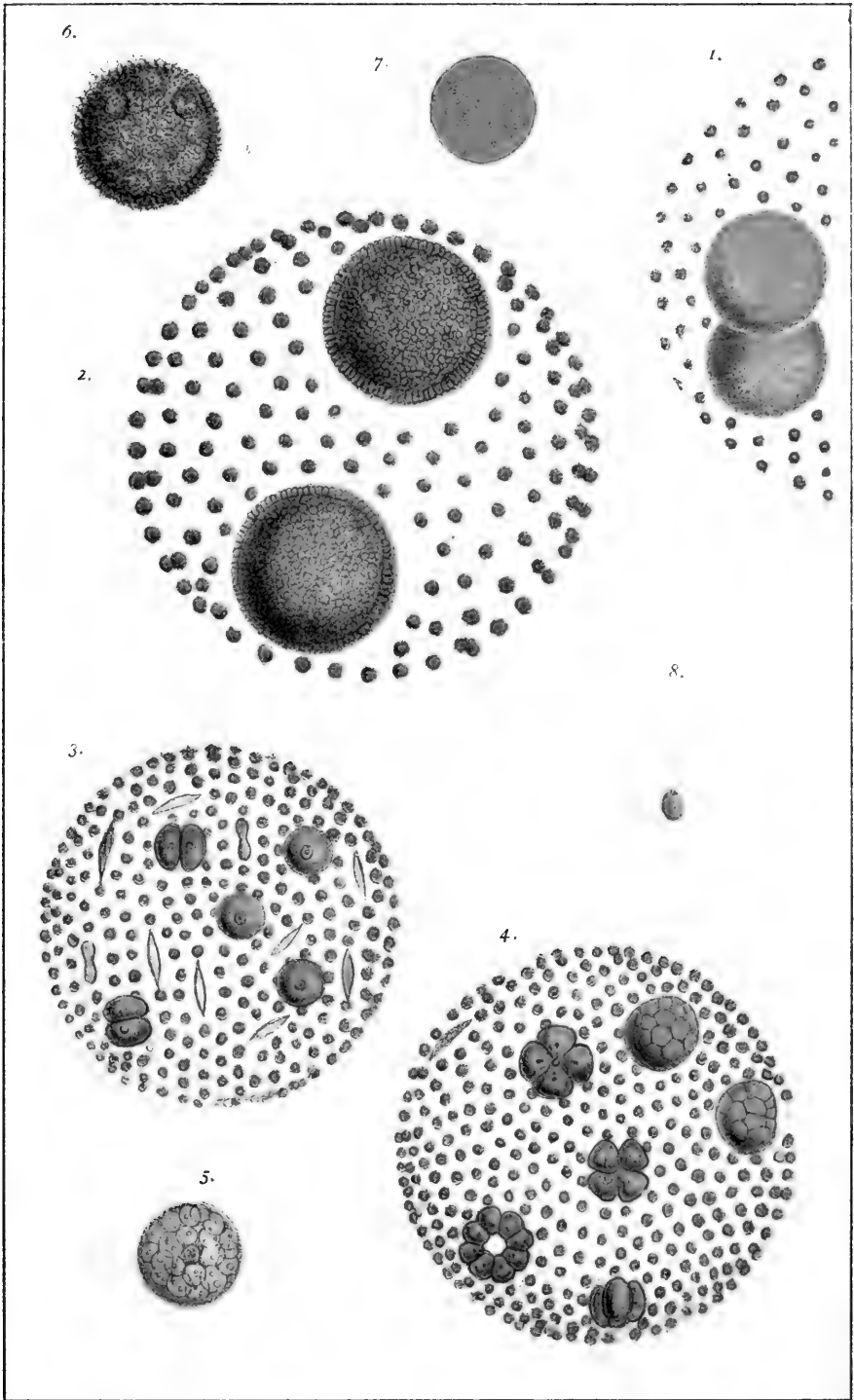
Volvox globator. Ehr.





Volvox globator. ♂ (*Sphærosira volvox* Ehr.)

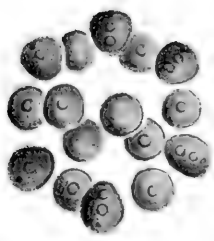




Volvox minor. Stein.



1.



2.



5.

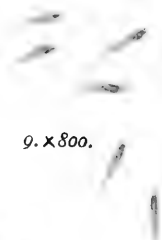


4. x 400.

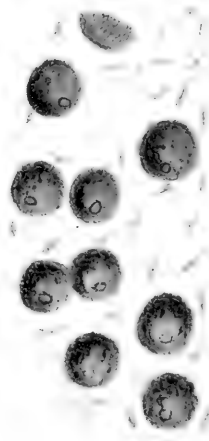
7. x 400.



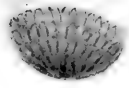
9. x 800.



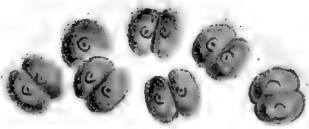
6.



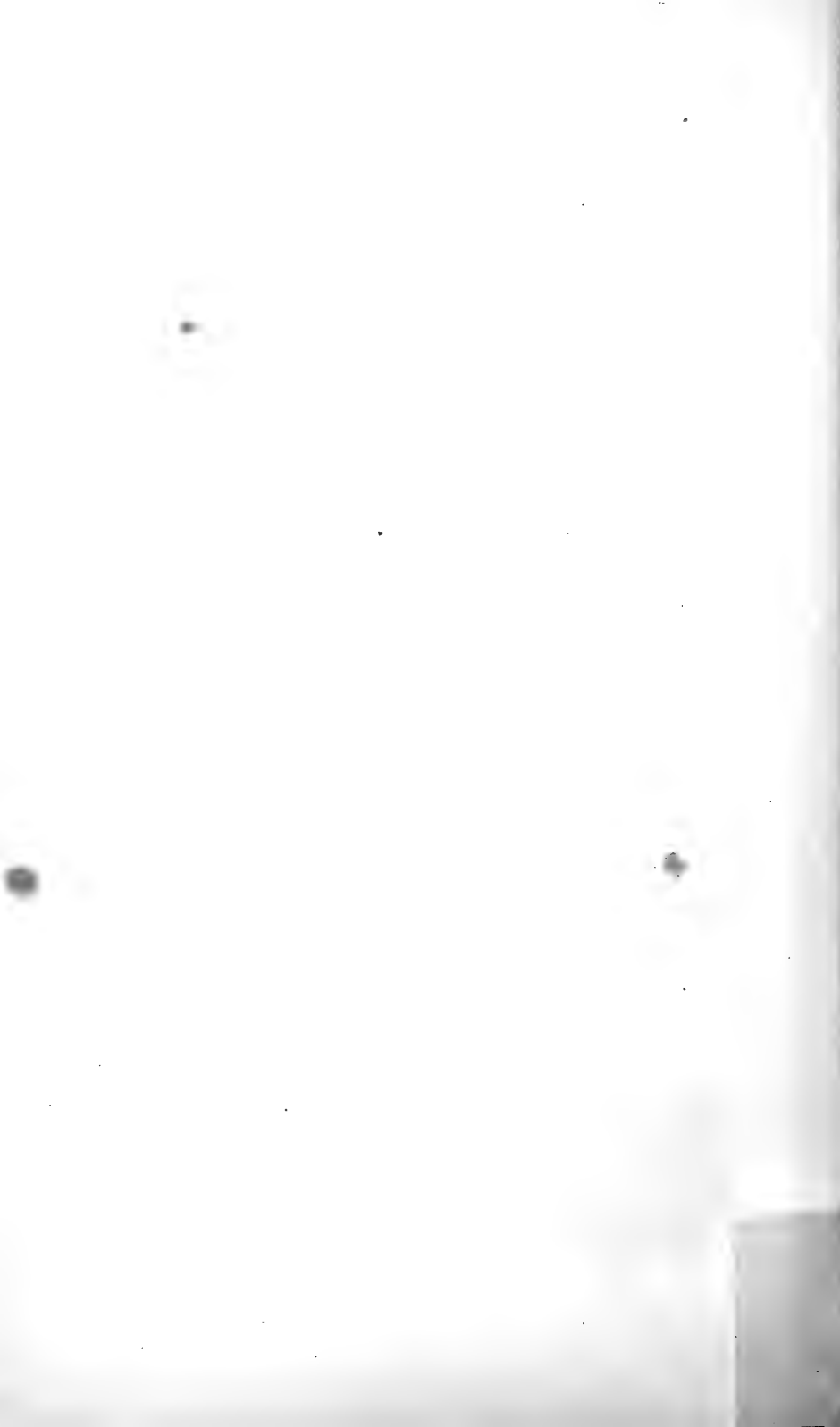
3.



8. x 800.



Eudorina elegans. Ehrh.

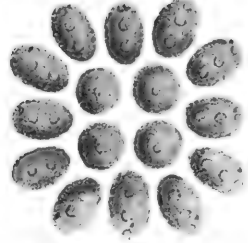




1.a.



1.b.



1.d.

1. a.-c. x 400



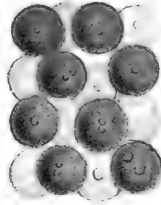
1.c.

1.e.

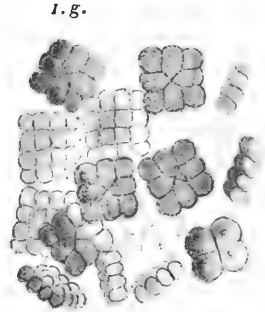
1.f.



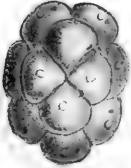
2.b.



2.a.



1.g.

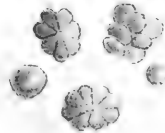


2.f.

2.c.



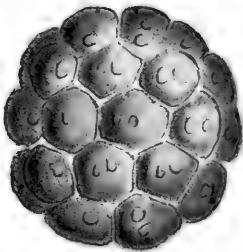
2.h.



2.d.



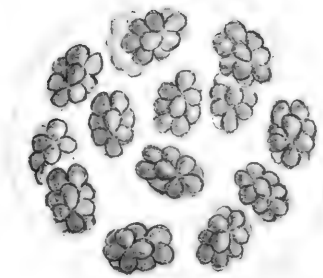
2.g.



2.e.



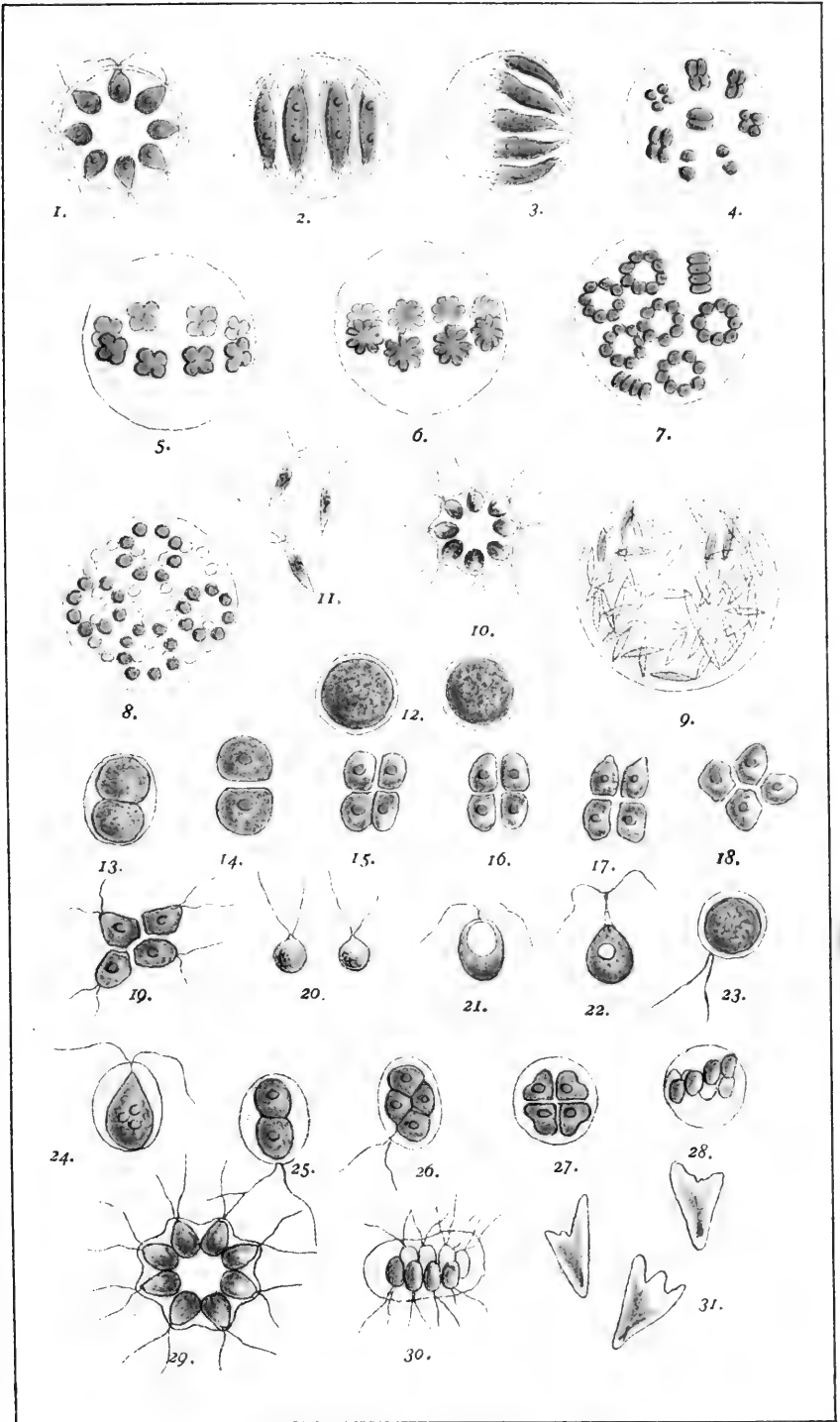
2.i.



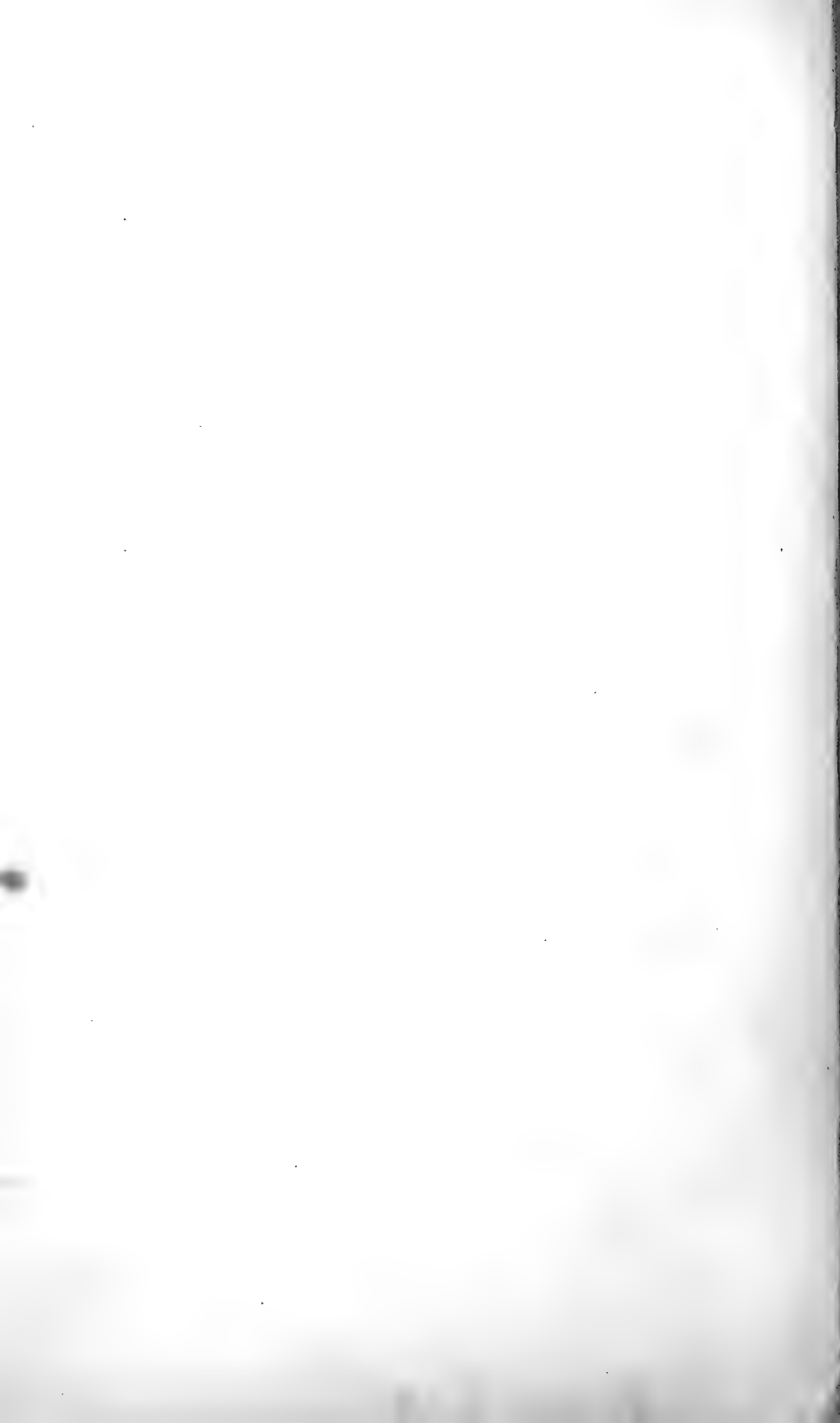
1. *Gonium pectorale*. Mull.

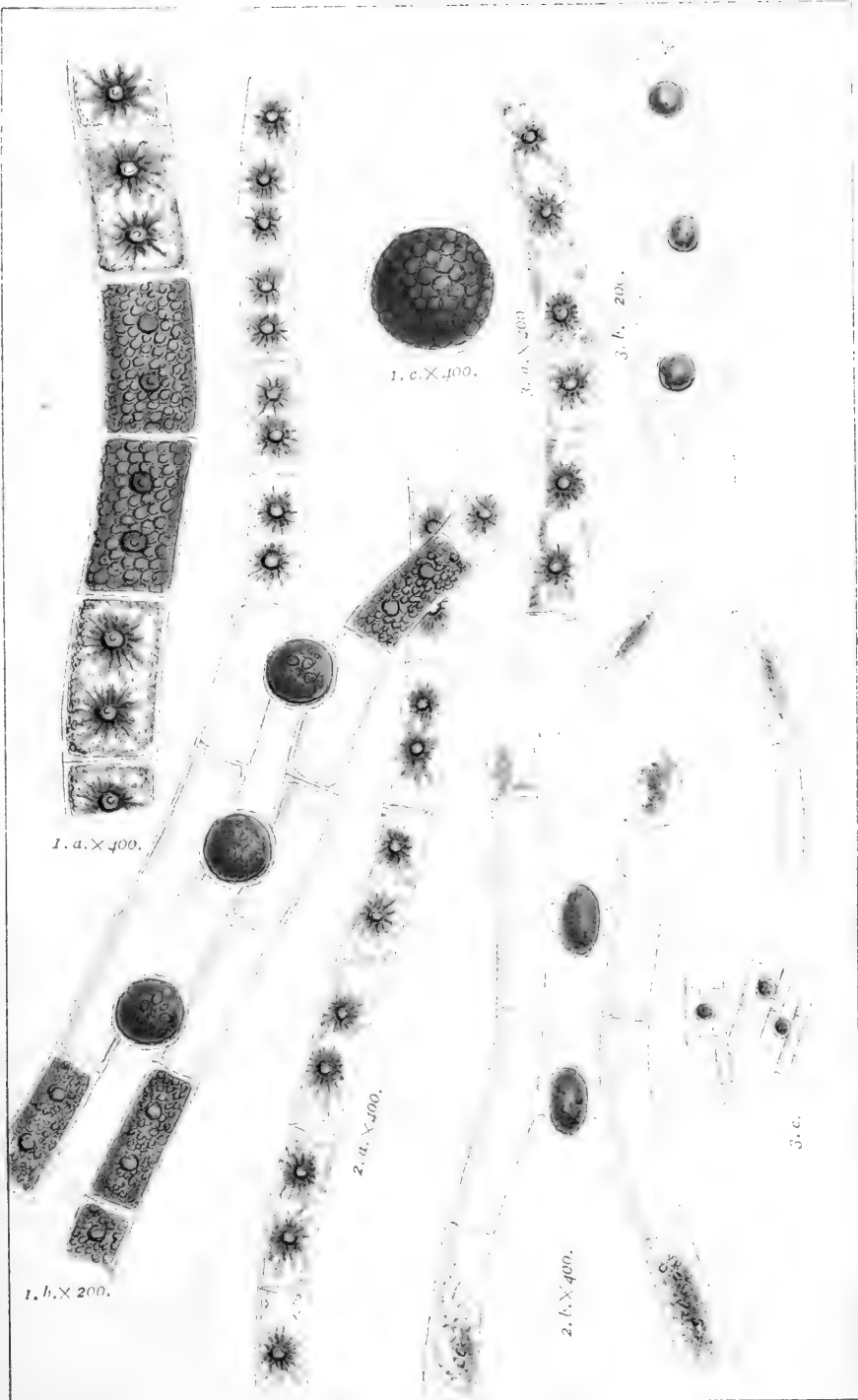
2. *Pandorina morum*. Bory.



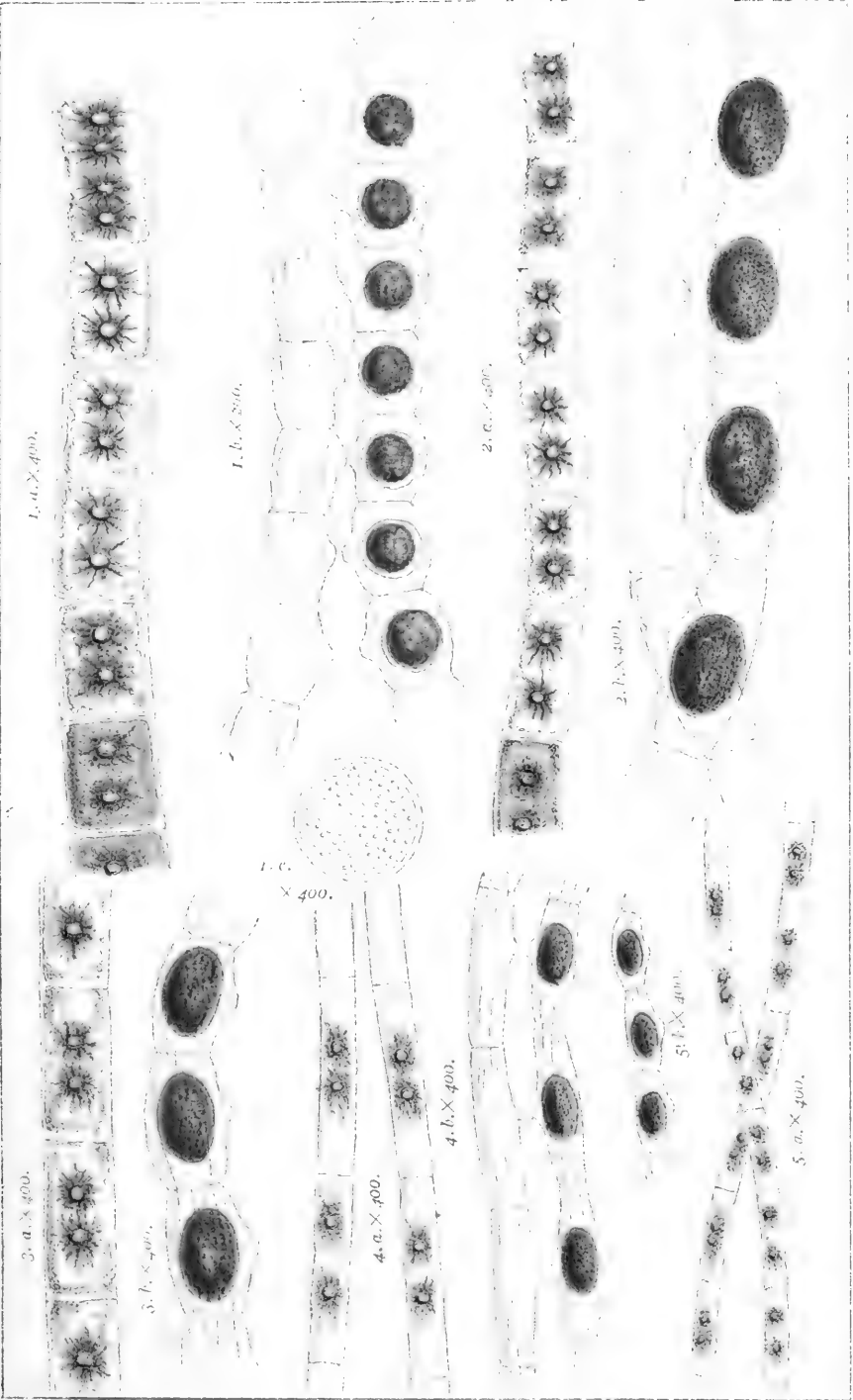


Stephanosphaera pluvialis. Cohn.

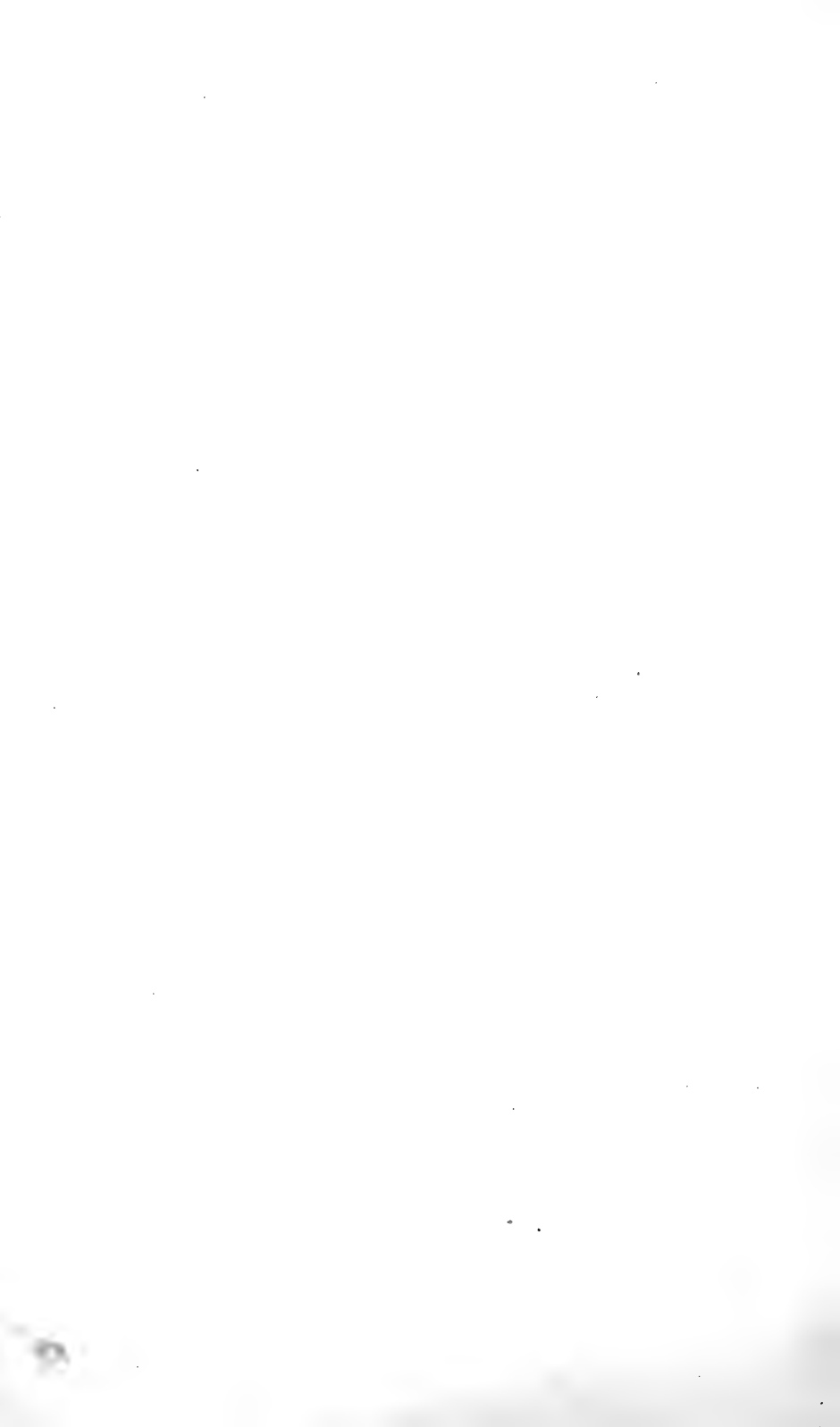


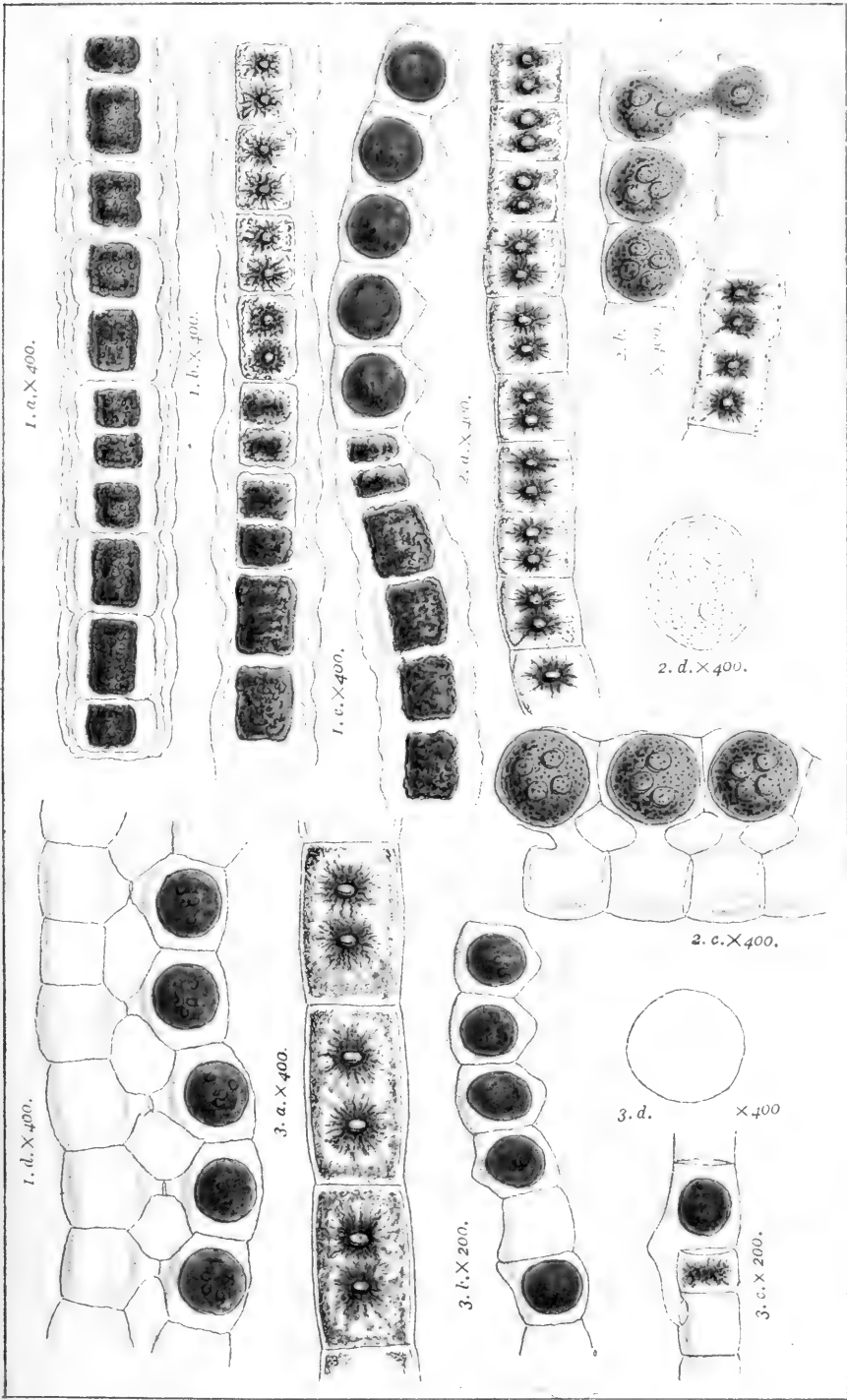


1. *Zygnema pectinatum*. Ag. 2. *Zygnema Ralfsii*. Hass.
 3. *Zygnema parvulum*. Kutz.



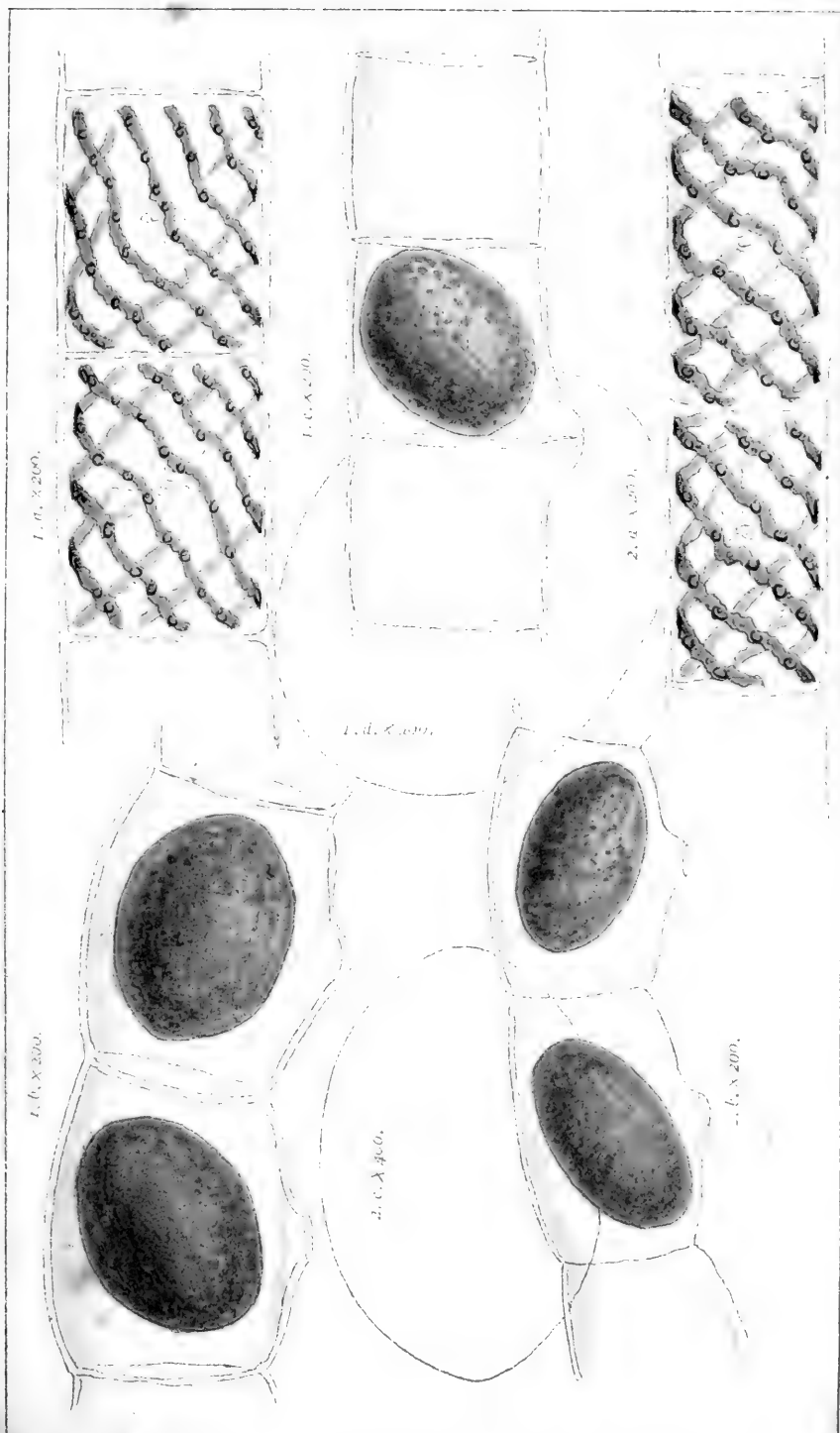
1. *Zygnema cruciatum*. f.g. 2. *Zygnema stollinum*. Vauch.
 3. *Zygnema Vaucheri*. f.g. 4. var. *subtile*. 5. var. *stagnale*.





1. *Zygnema anomalum*. Ralfs. 2. *Zygnema leiospermum*. $\text{\textcircled{DB}}$.
 3. *Zygnema insigne*. Kutz.

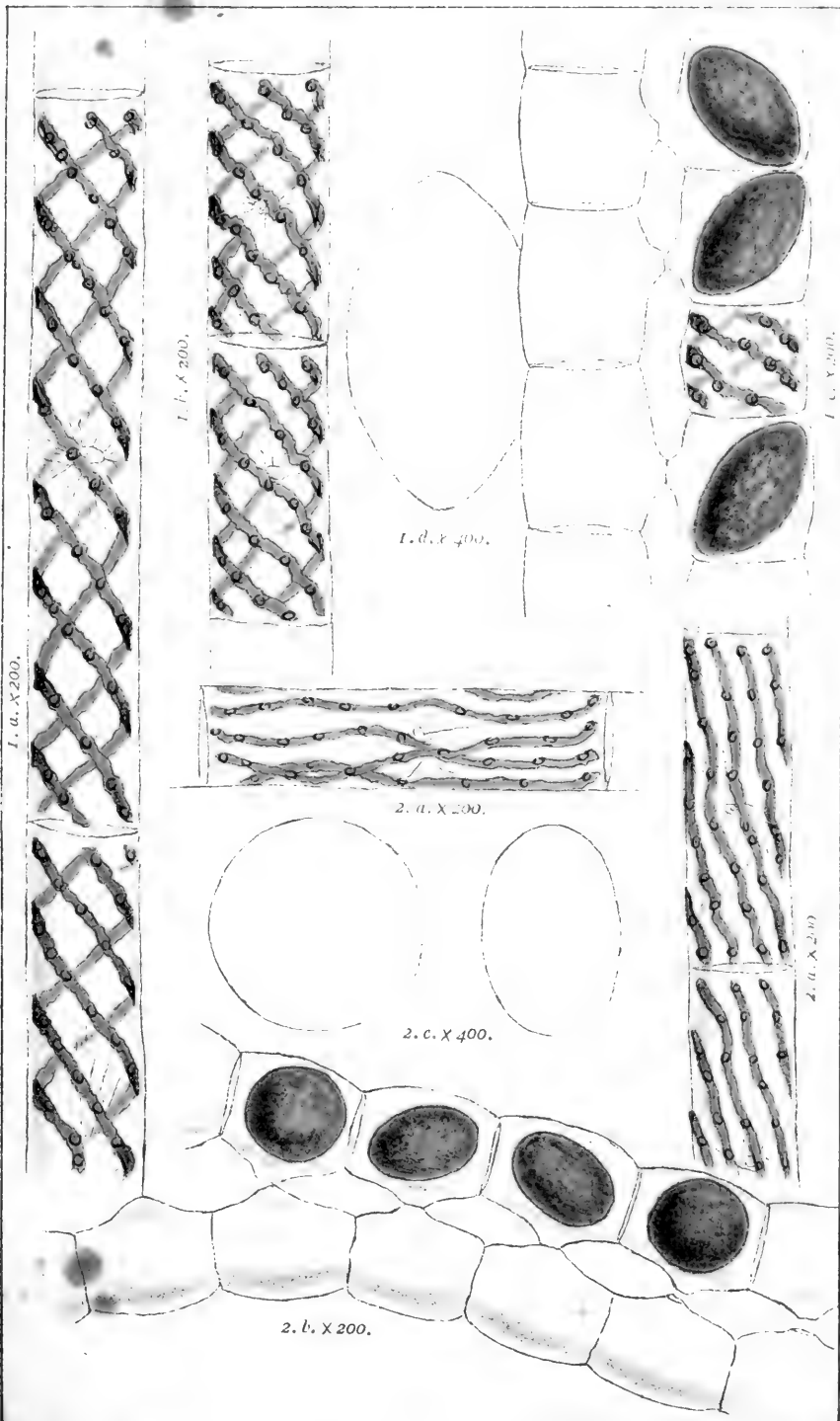




1. *Spirogyra crassa*. Kutz.

2. *Spirogyra jugalis*. Dillw.

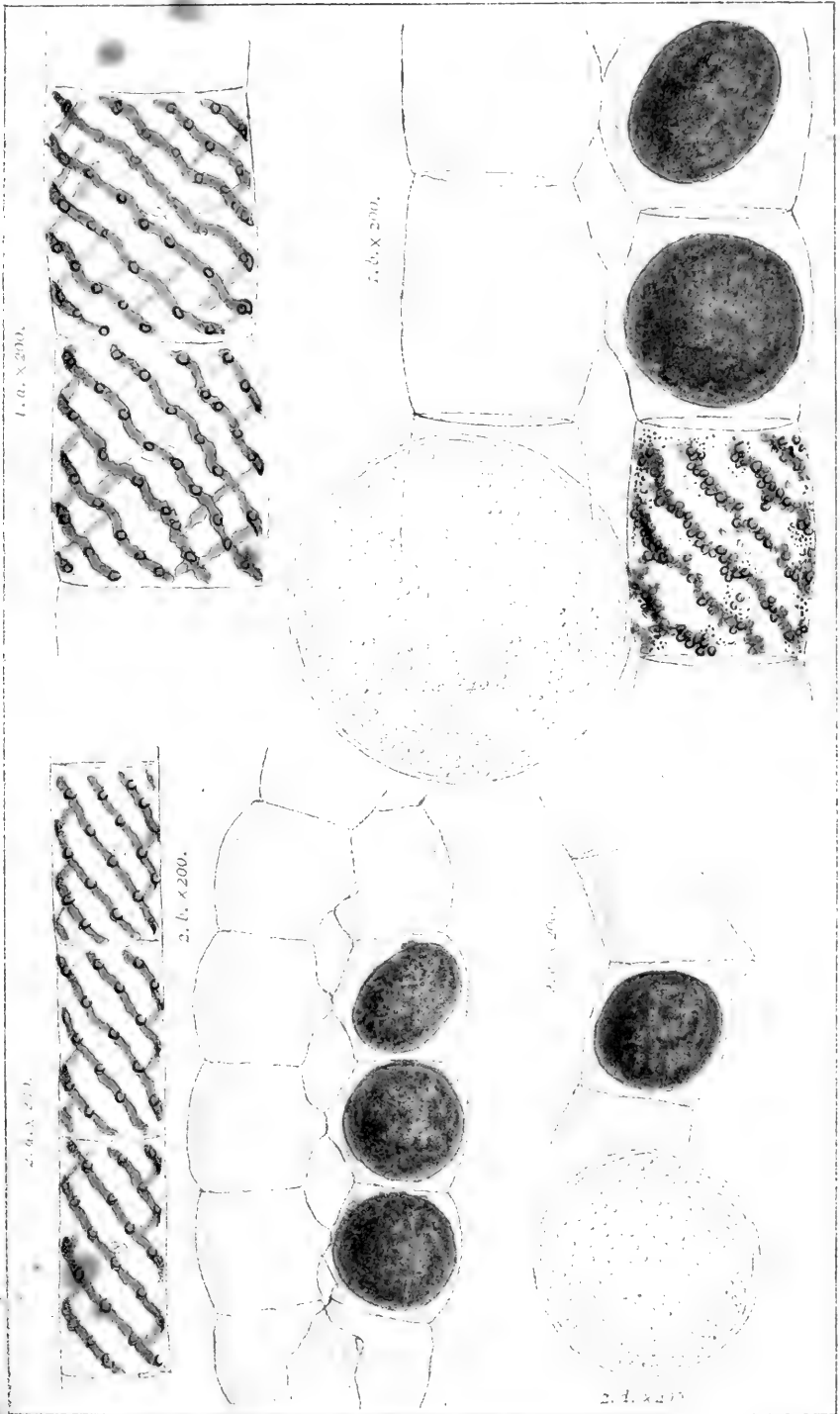




1. *Spirogyra nitida*. Dillw.

2. *Spirogyra orthospira*. Nag.

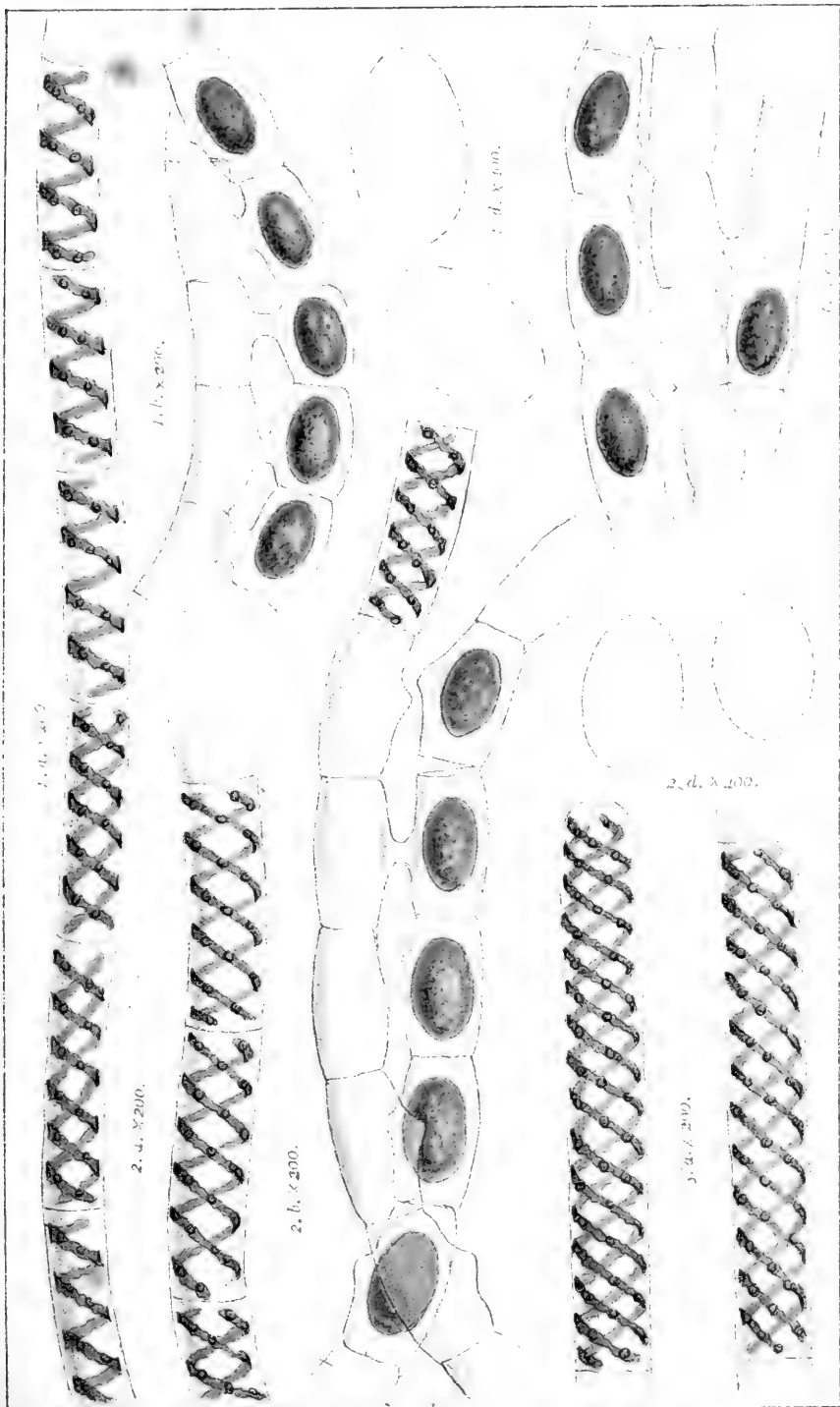




1. *Spirogyra orbicularis*. Hass.

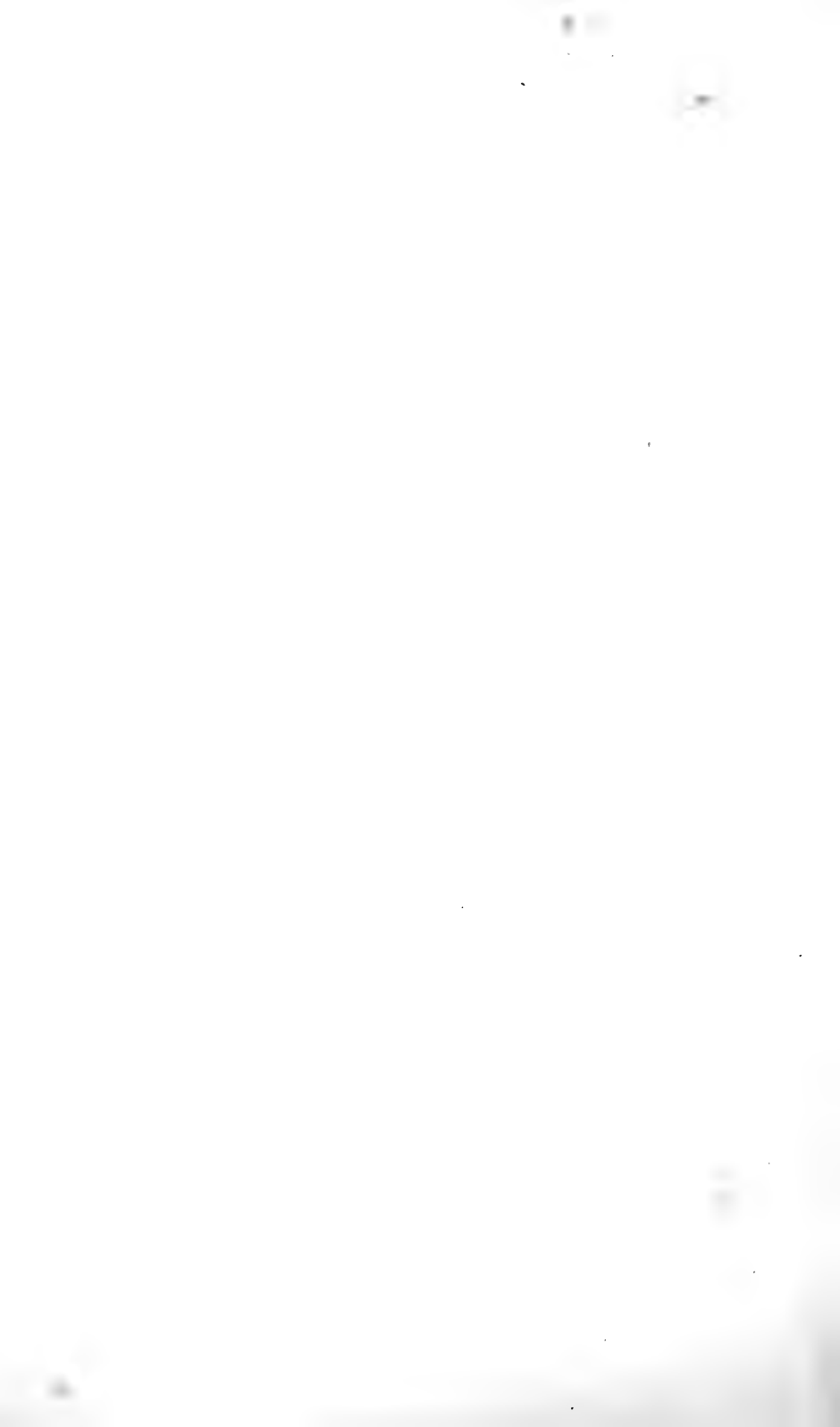
2. *Spirogyra tenuis*. Hass.

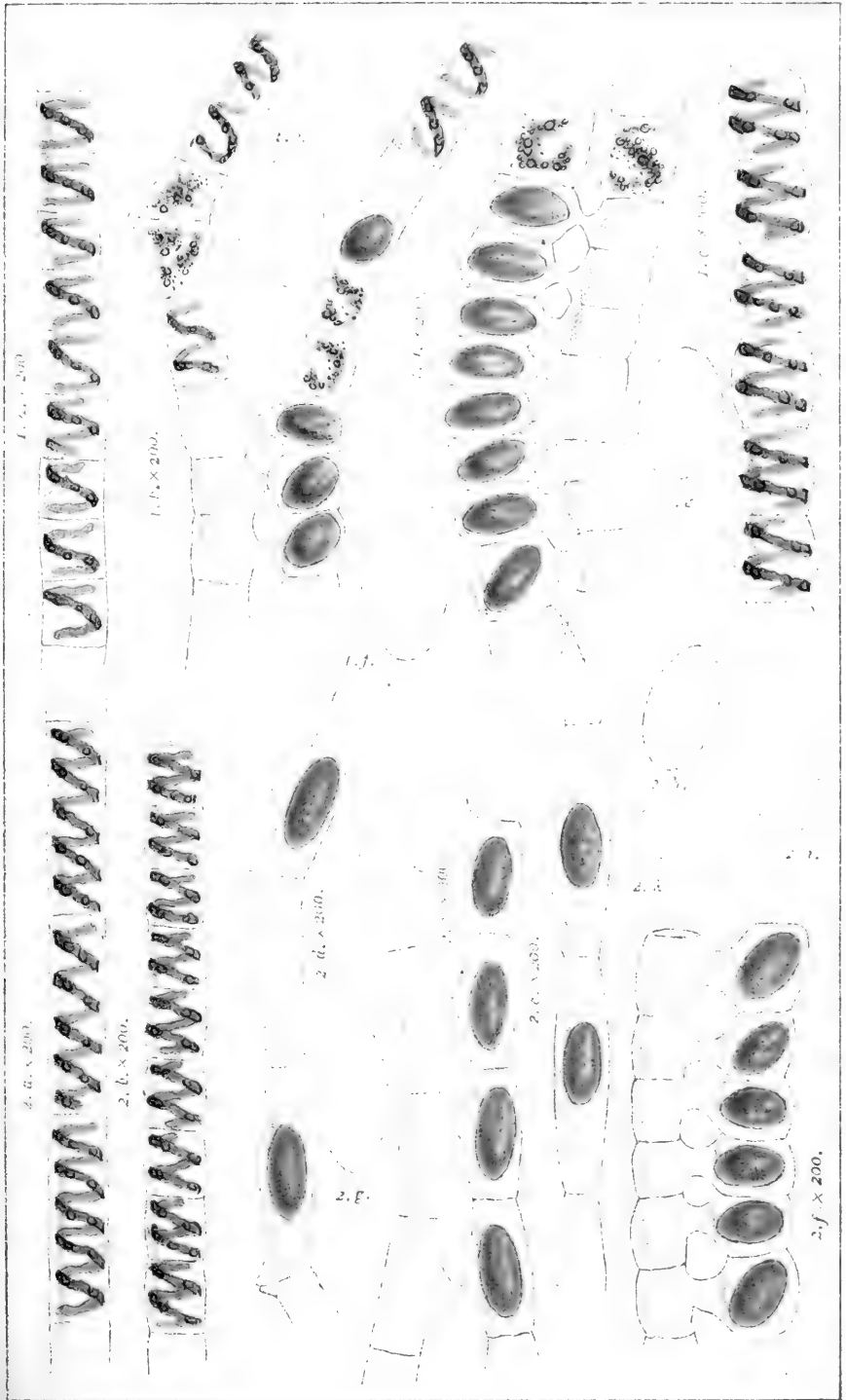




Spirogyra porticalis. Vauch.

1. forma quinina. 2. forma decimina. 3. forma rivularis.

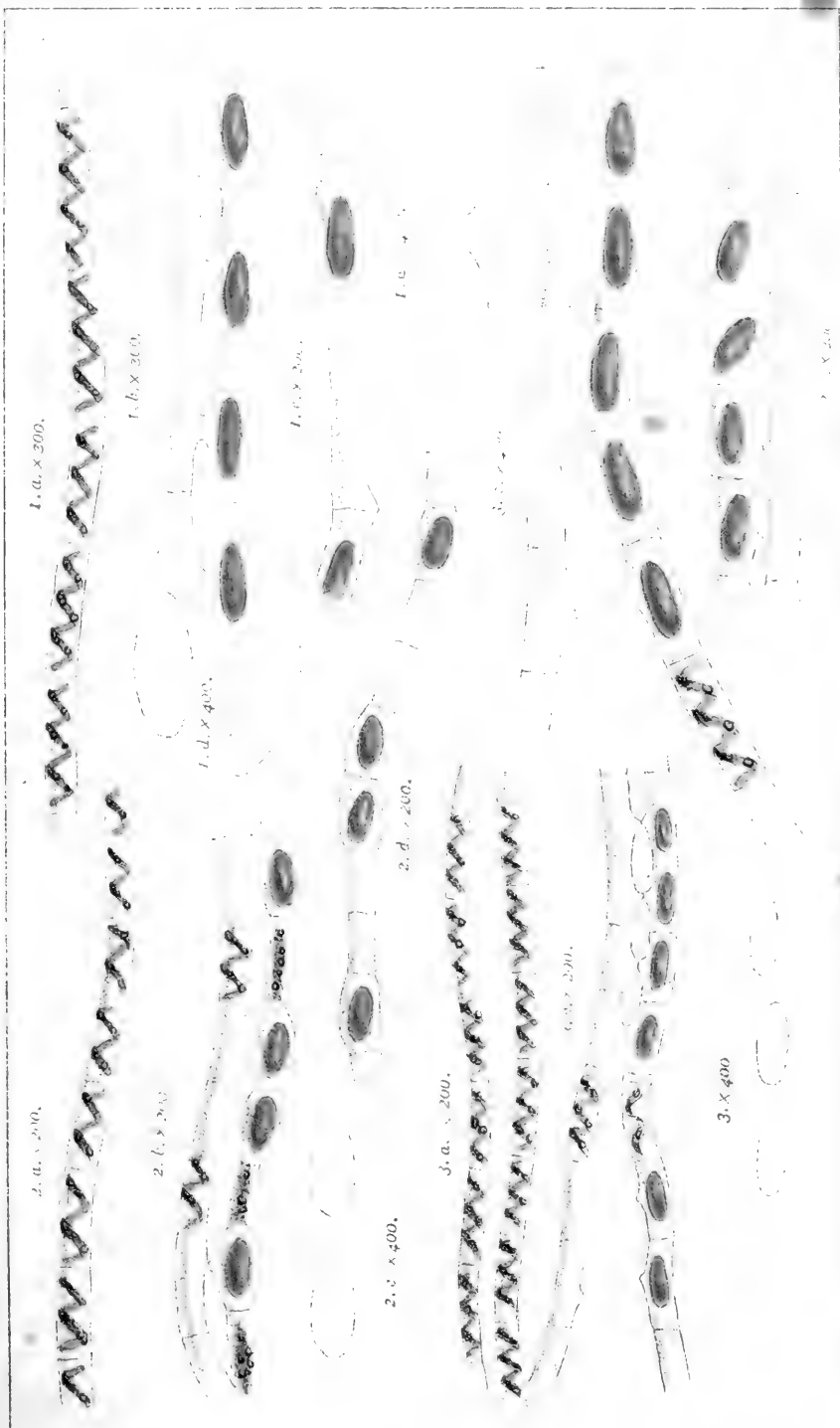




1. *Spirogyra condensata*. Vauch.

2. *Spirogyra longata*. Vauch.

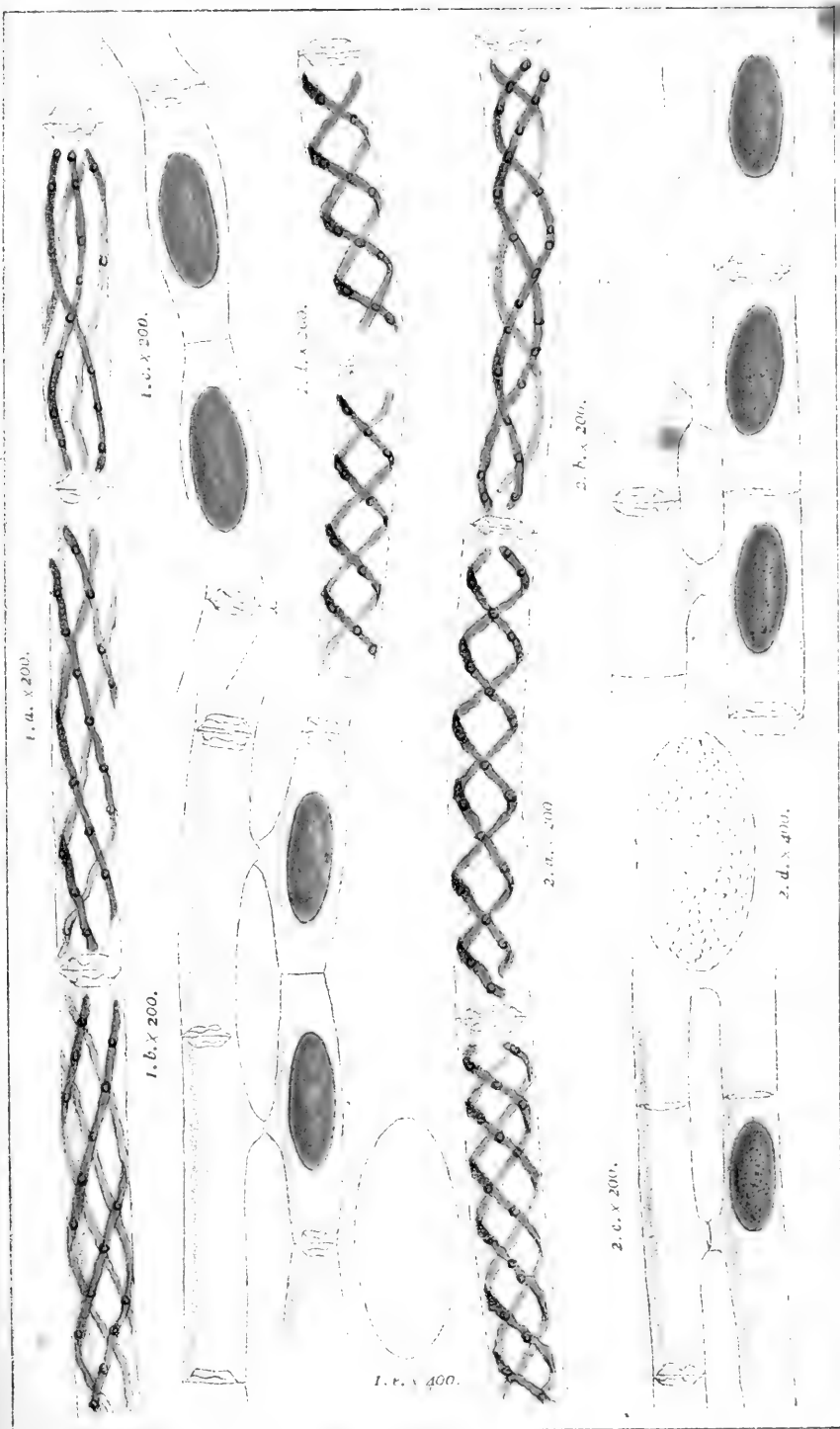




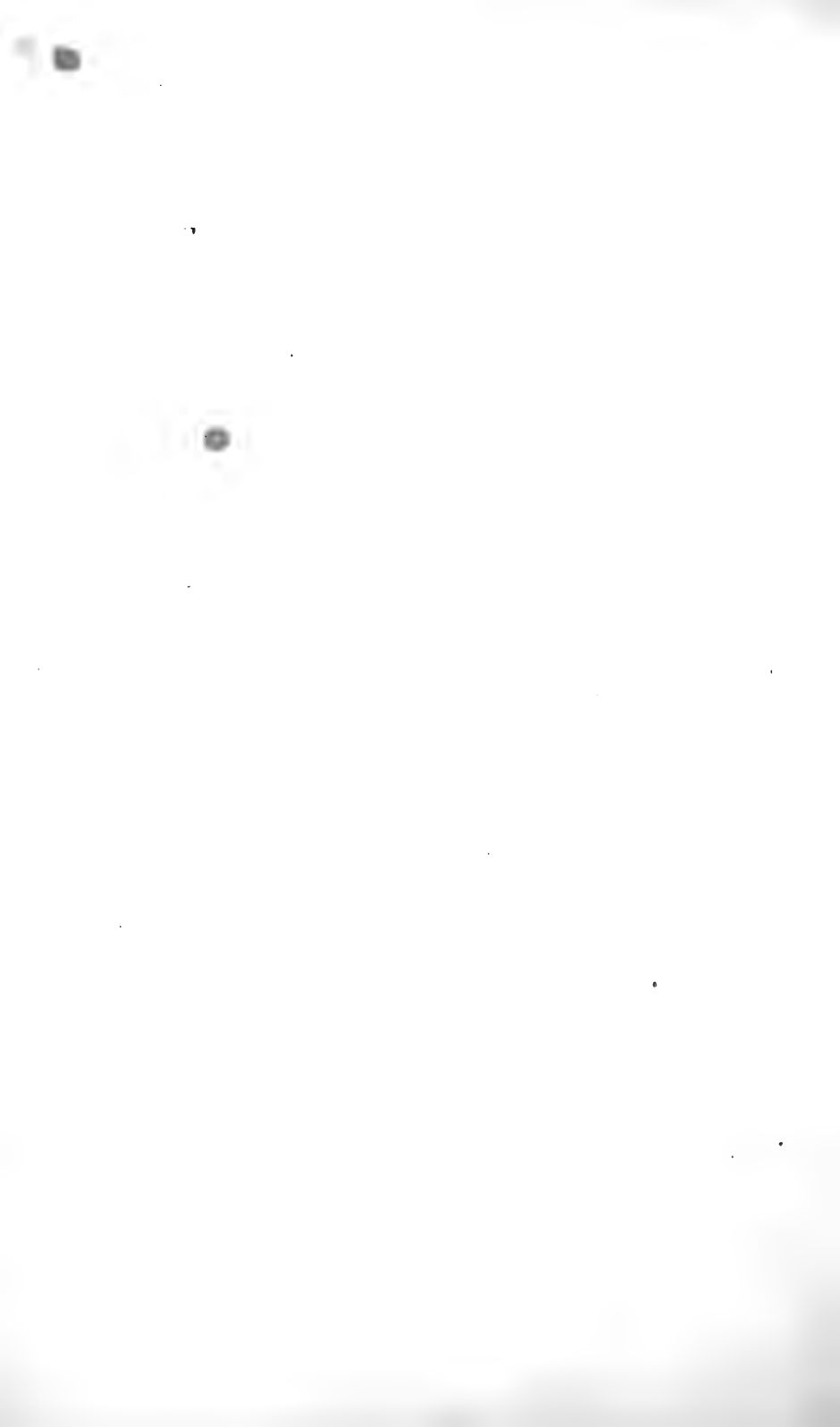
Spirogyra flavescens. Kutz.

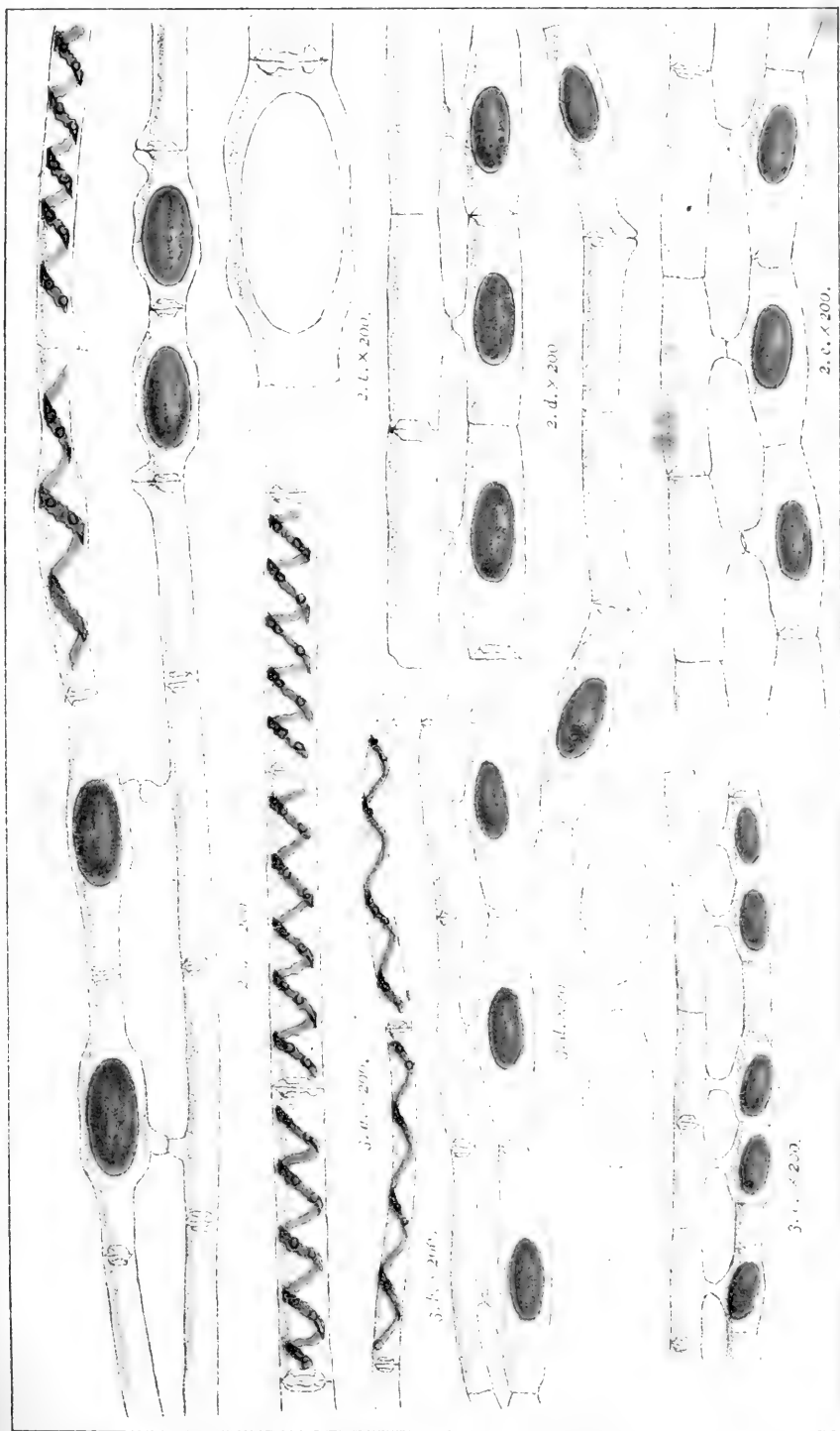
1. var. *gracilis*. 2. var. *flavescens*. 3. var. *parva*.





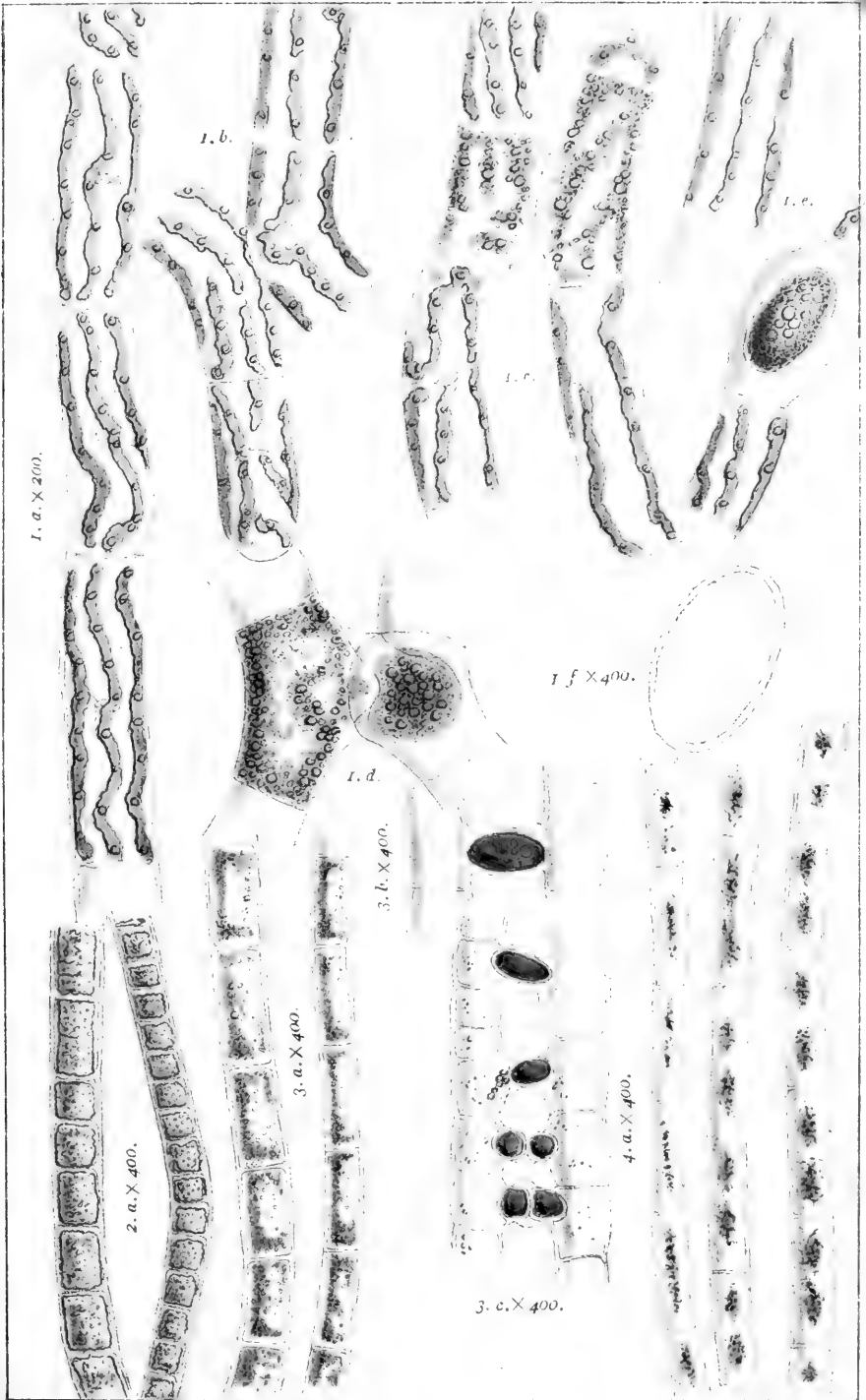
1. *Spirogyra insignis*. Hass. 2. *Spirogyra calospora*. Cleve.



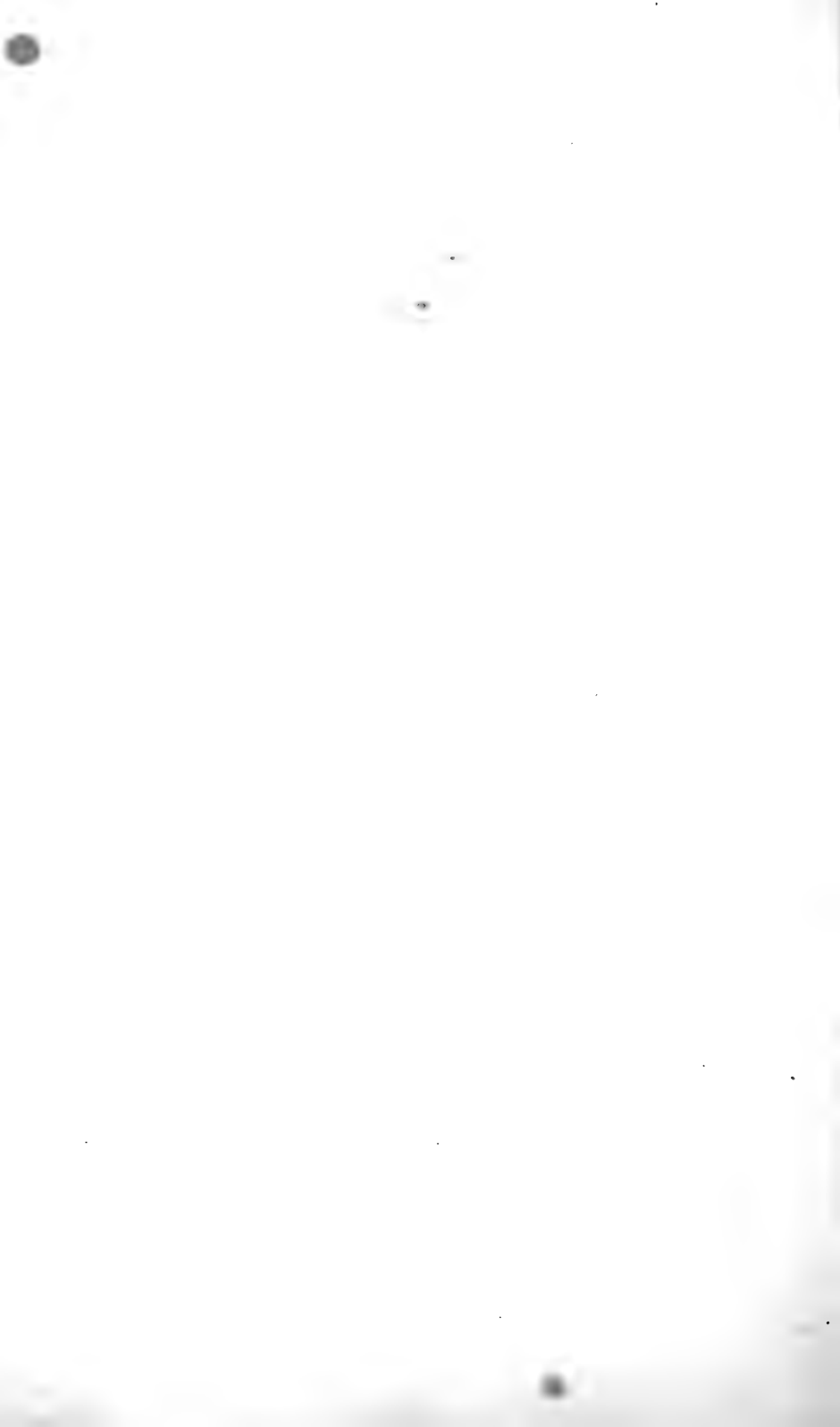


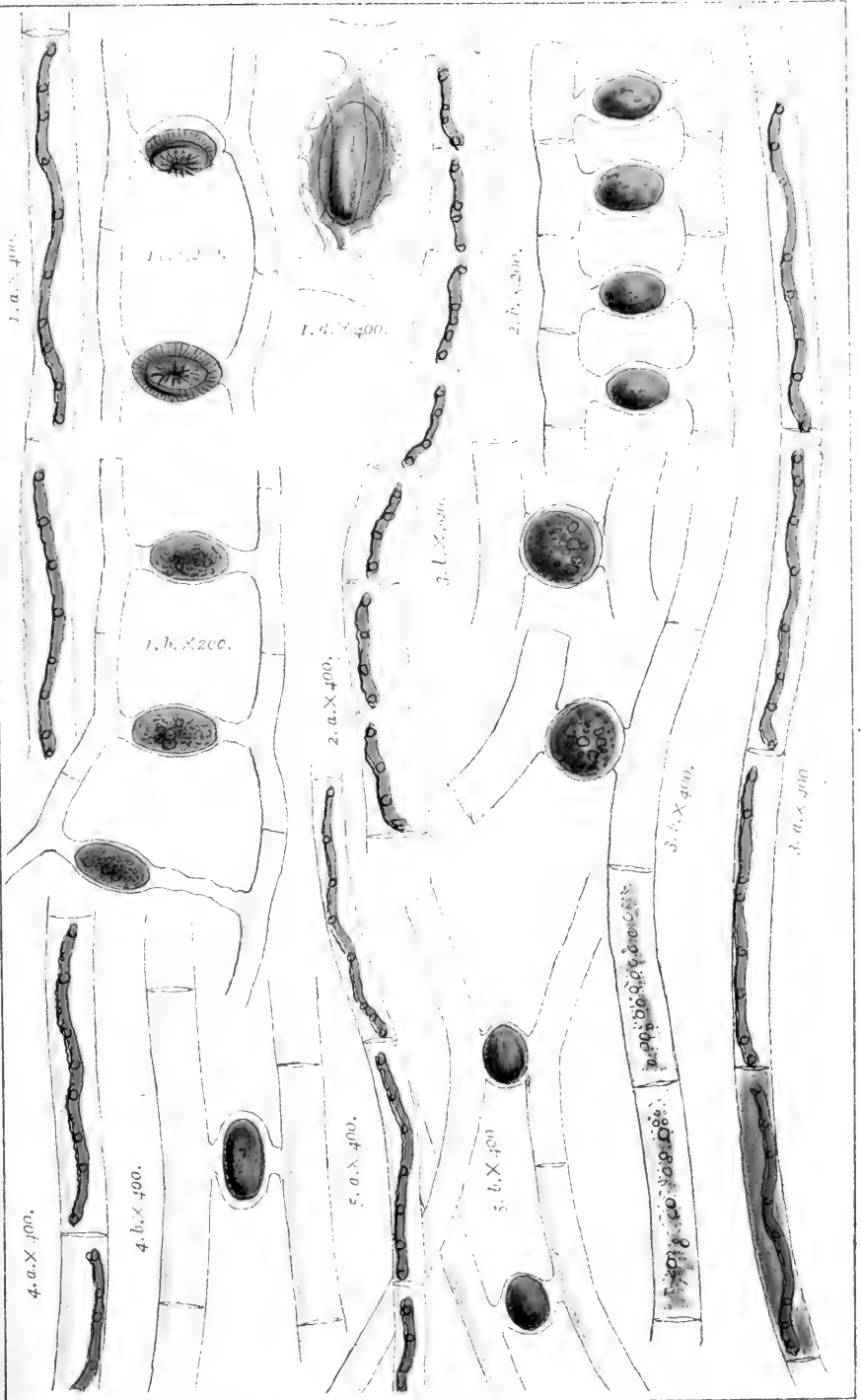
1. *Spirogyra quadrata*. Hass. 2. *Spirogyra Weberi*. Kutz.
 3. *Spirogyra tenuissima*. Hass.





1. *Sirogonium sticticum*. Kütz. 2. *Zygonium ericetorum*. ⓅHy.
 3. *Z. ericetorum*, var. *aquaticum*. 4. *Zygonium gracile*. Berk.





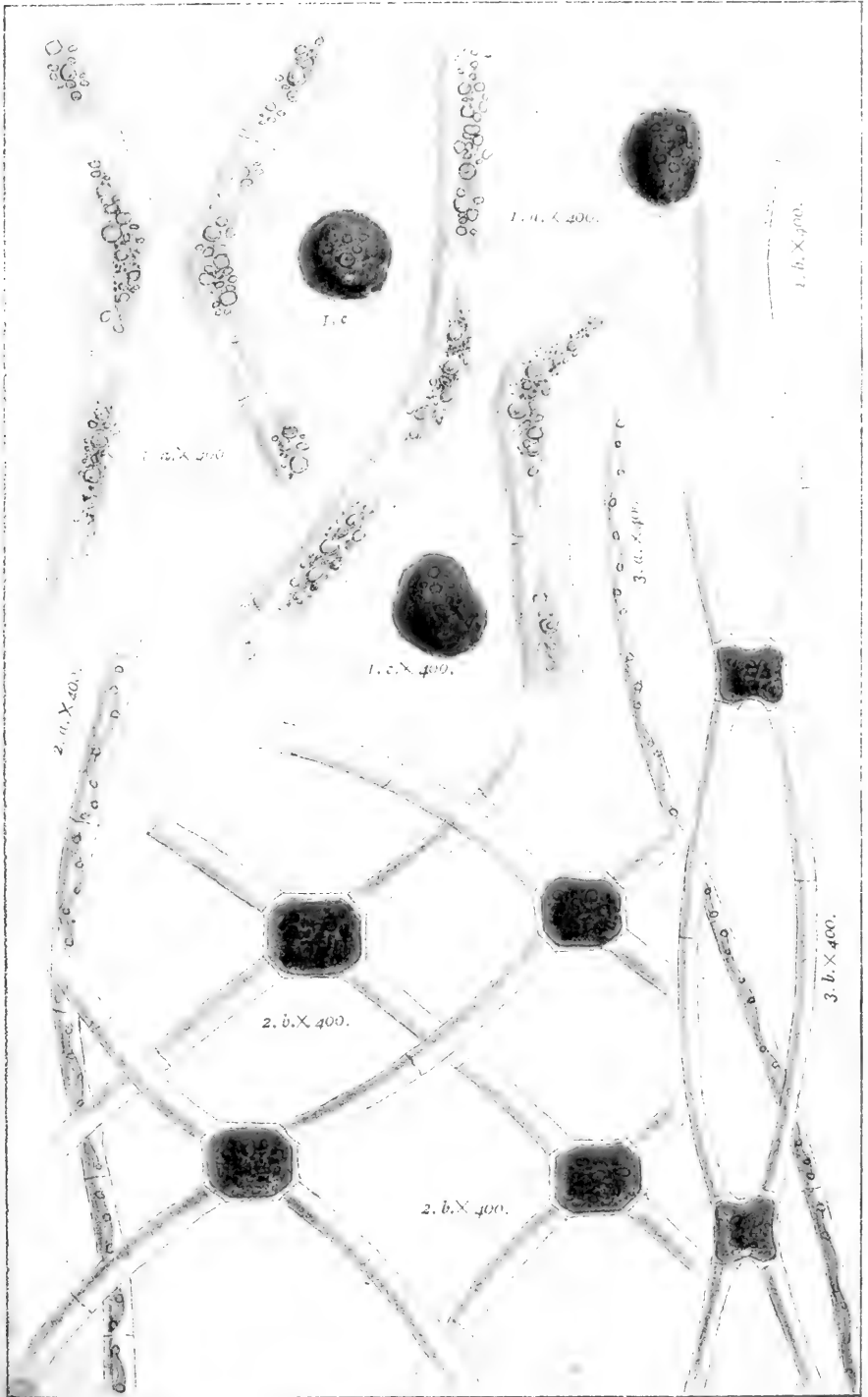
1. *Mougeotia glyptosperma*. DBy. 2. *Mougeotia laevis*. Archer.
 3. *Mesocarpus nummuloides*. Hass. 4. *Mesocarpus depressus*. Hass.
 5. *Mesocarpus depressus*, var. *ovalis*.





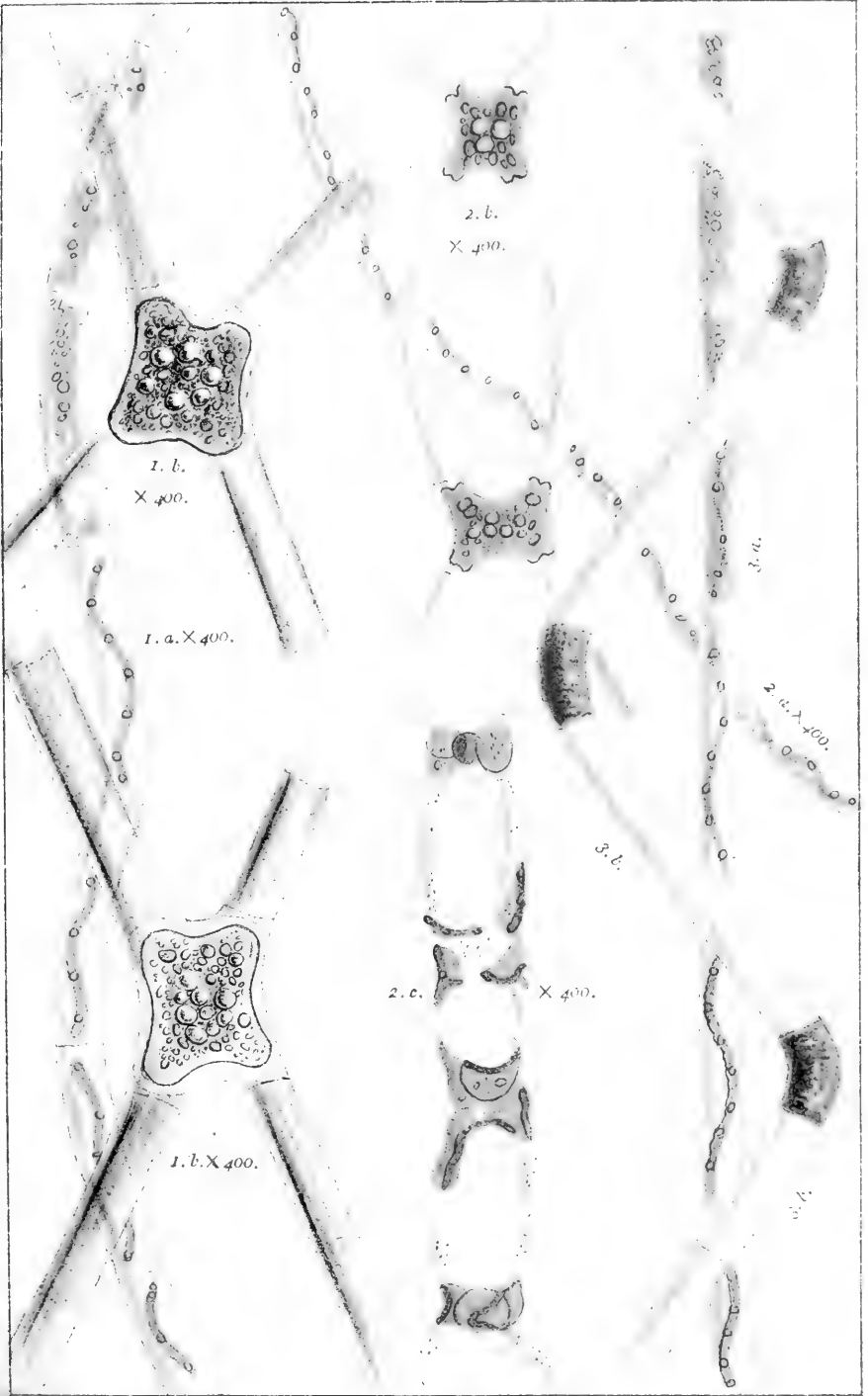
1. *Mesocarpus scalaris*. Hass. 2. *Mesocarpus recurvus*. Hass.
 3. *Mesocarpus parvulus*. Hass. 4. *M. parvulus*, var. *angustus*. Hass.



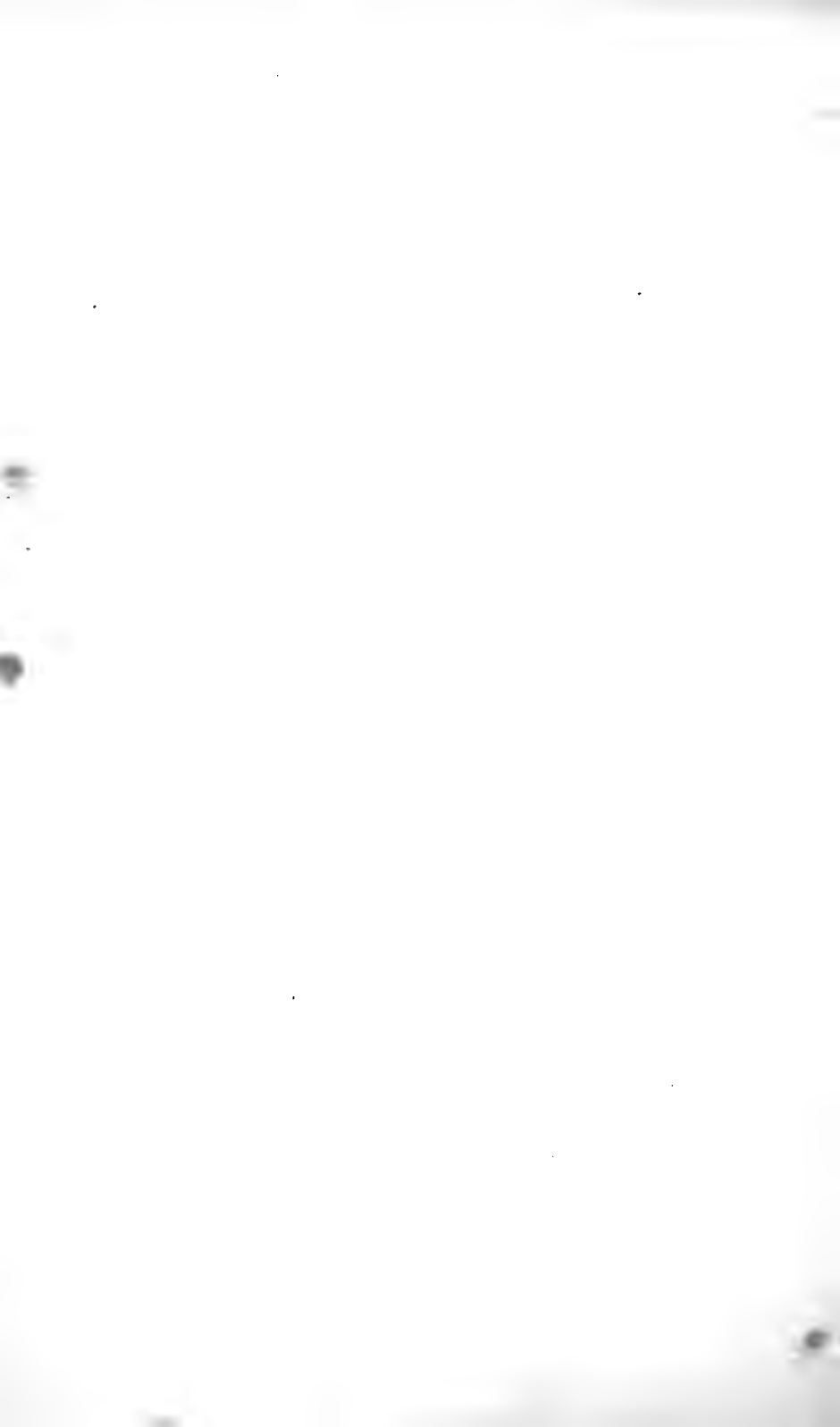


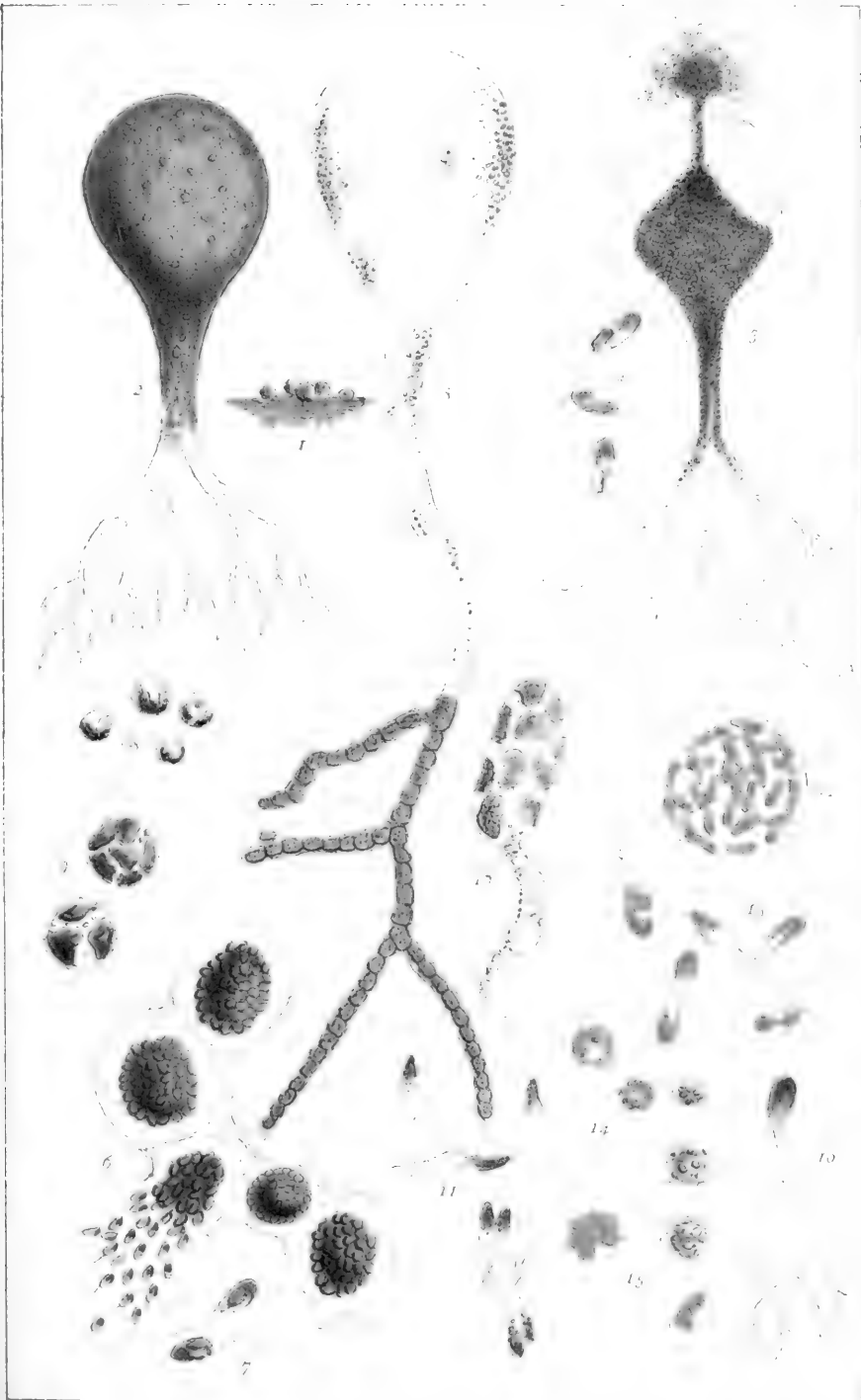
1. *Mesocarpus pleurocarpus*. (DBy). 2. *Staurospermum quadratum*. Hass.
 3. *Staurospermum gracillimum*. Hass.



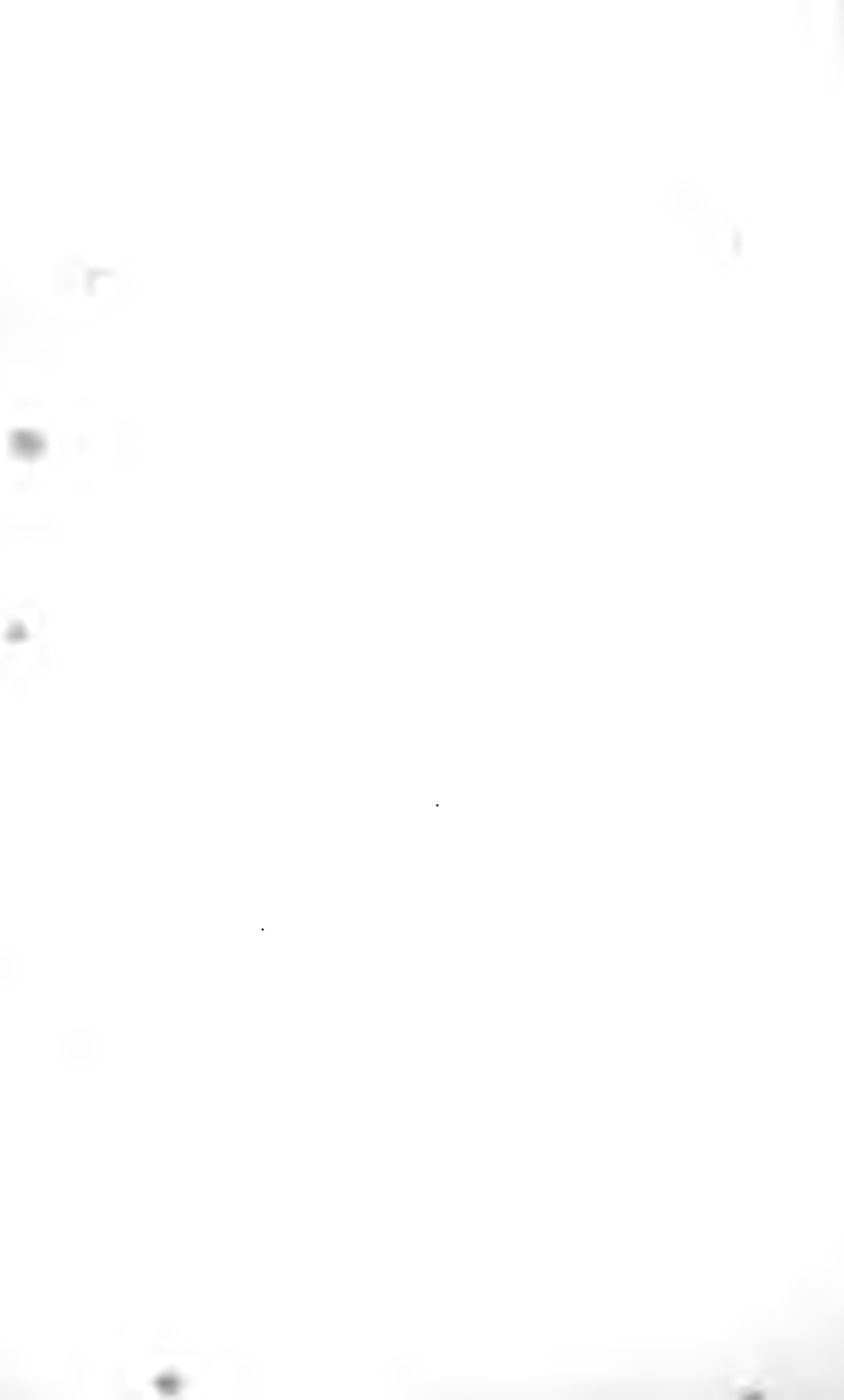


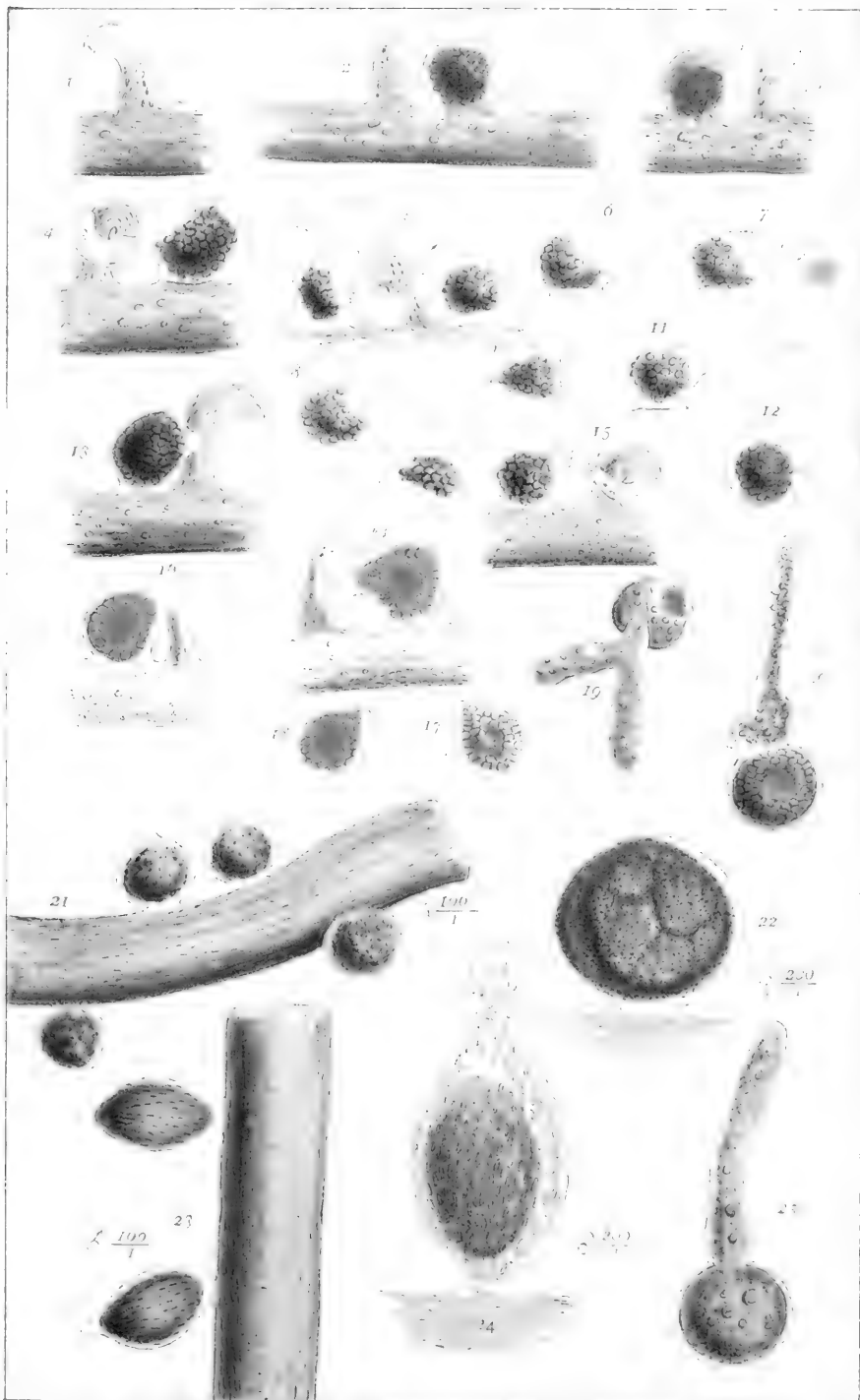
1. *Staurospermum capucinum*. Hery. 2. *Staurospermum viride*. Kutz.
 3. *Gonatonema mirabile*. Hass.





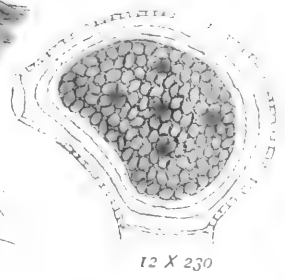
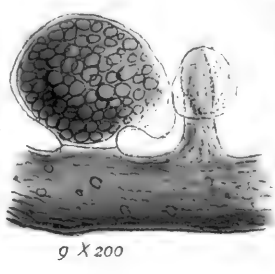
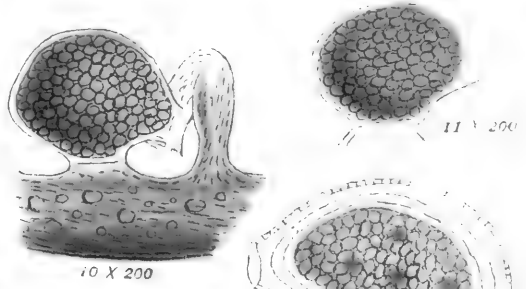
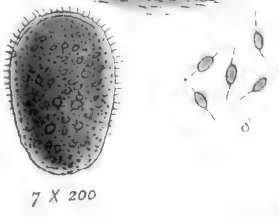
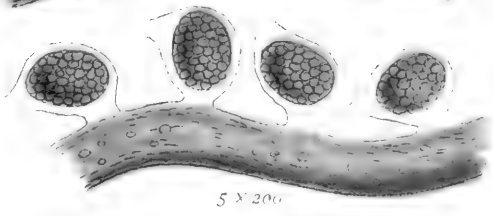
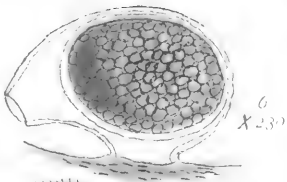
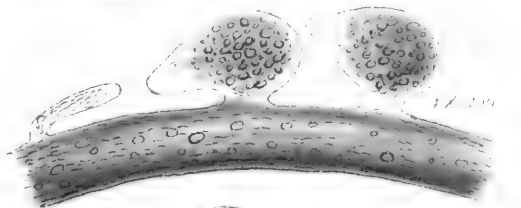
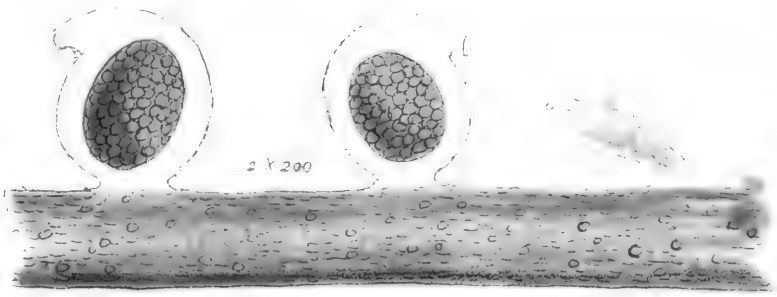
Botrydium granulatum, after Woronin.





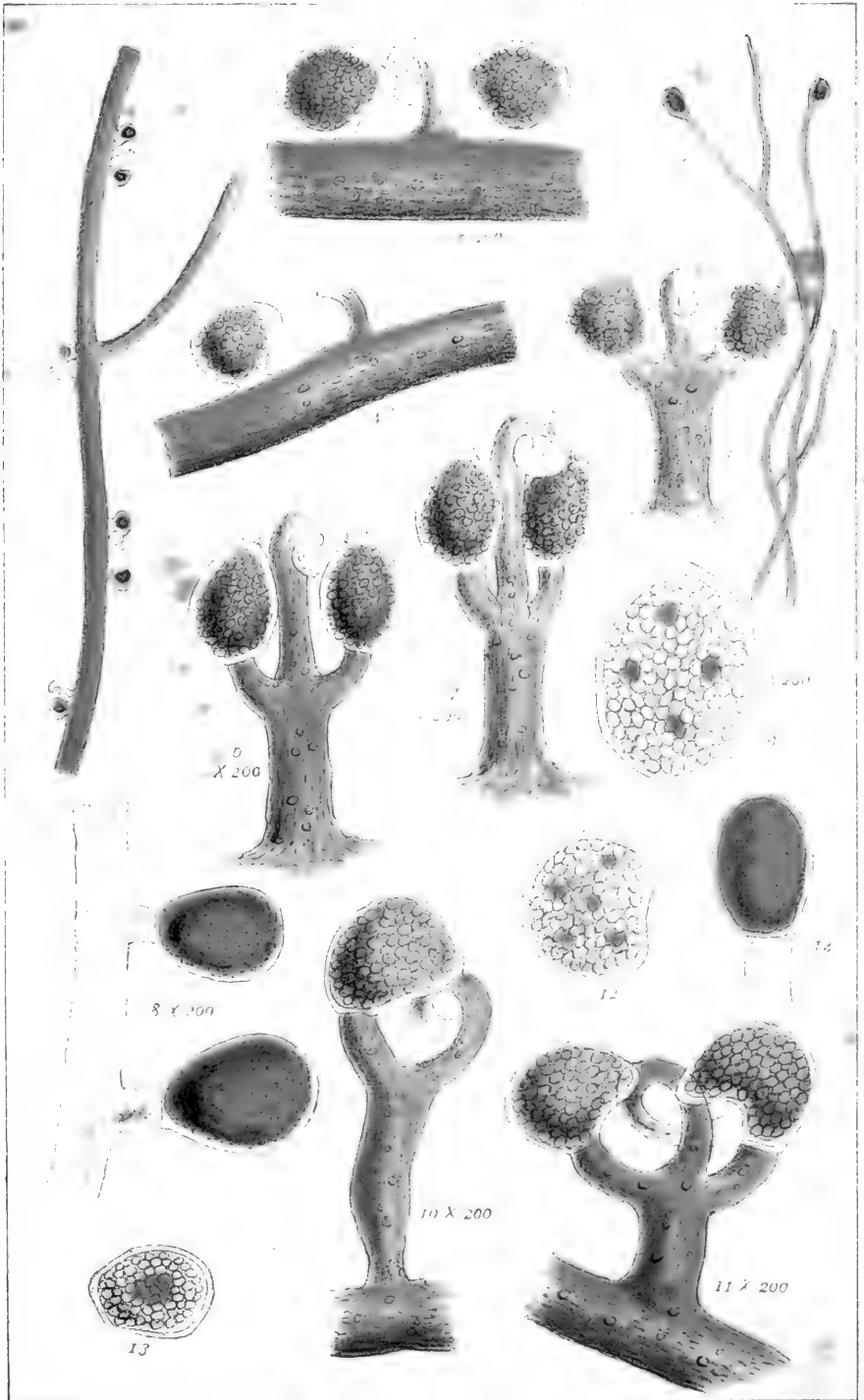
1-20. Impregnation of Vaucheria ... 21-... Vaucheria ... 22-... Vaucheria ... 23-... Vaucheria ...





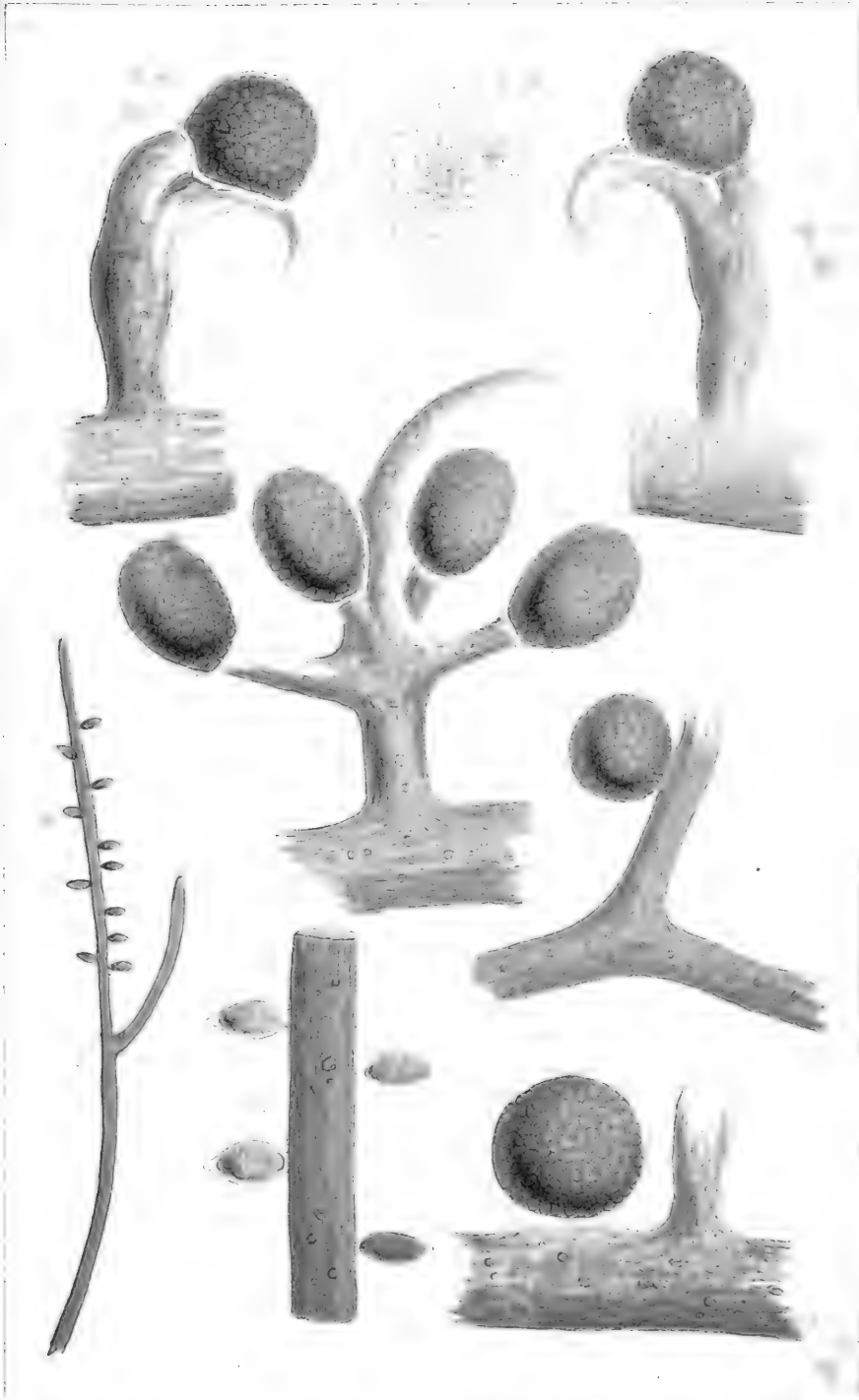
1-3 *Vaucheria aversa*, Hass. 4.-8. *Vaucheria sericea*, Lyngb.
9.-13. *Vaucheria Dillwynii*, Ag.



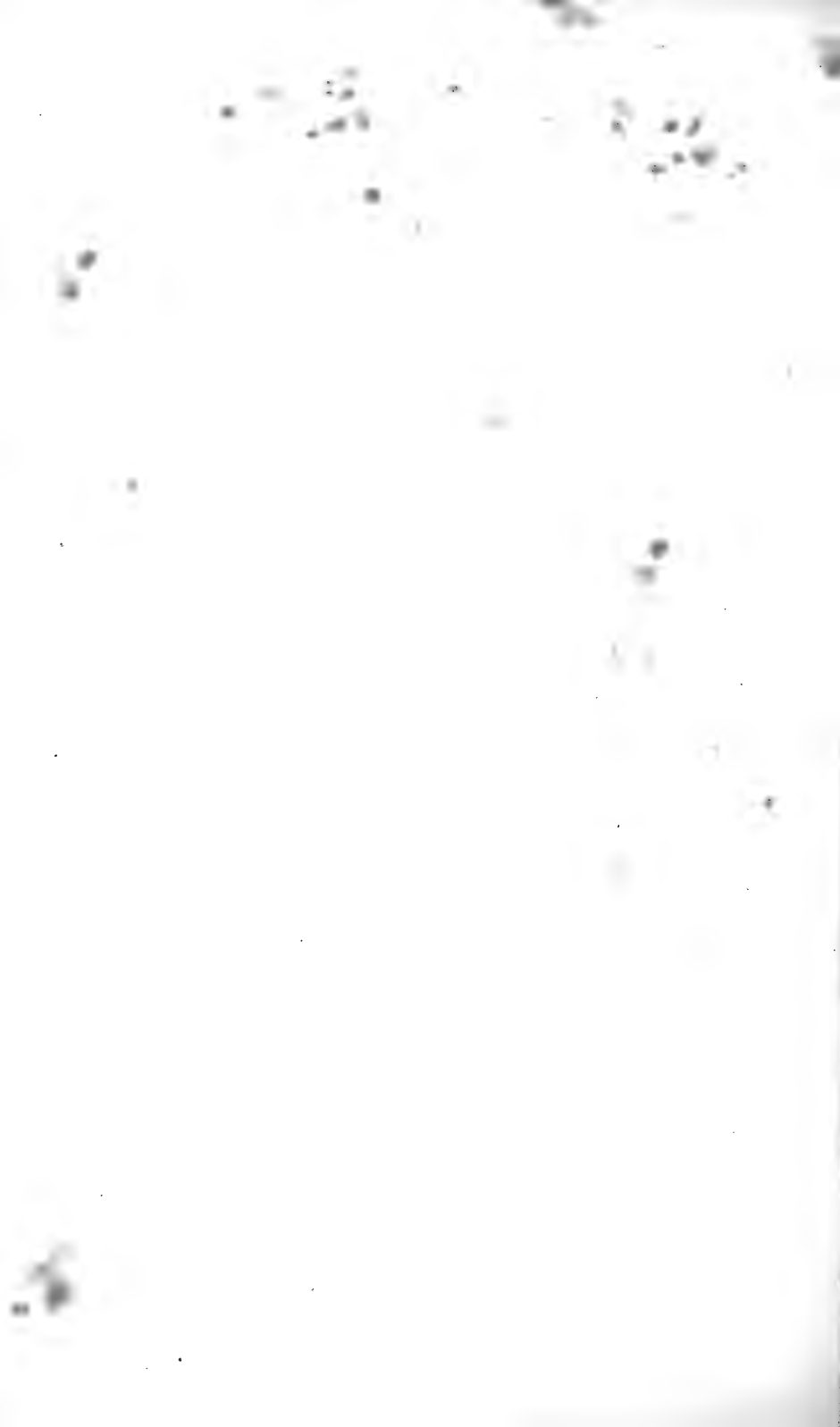


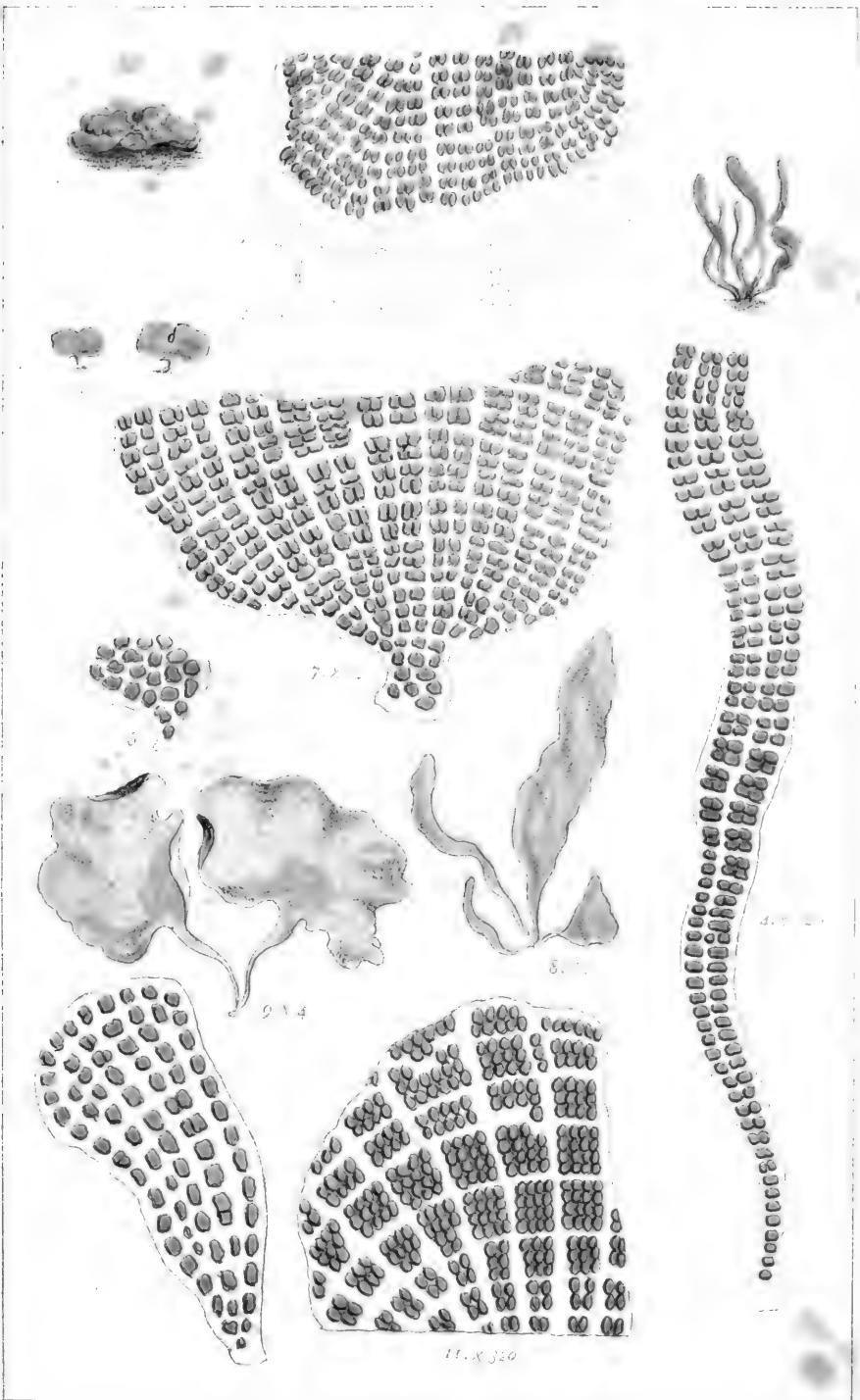
1.-2. *Vaucheria sessilis*. Vauch. 3. *cœspitosa*. 4. *repens*. 5. sporangium.
 6.-9. *Vaucheria geminata*. D.C. 10.-14. *Vaucheria hamata*. Lyngb.



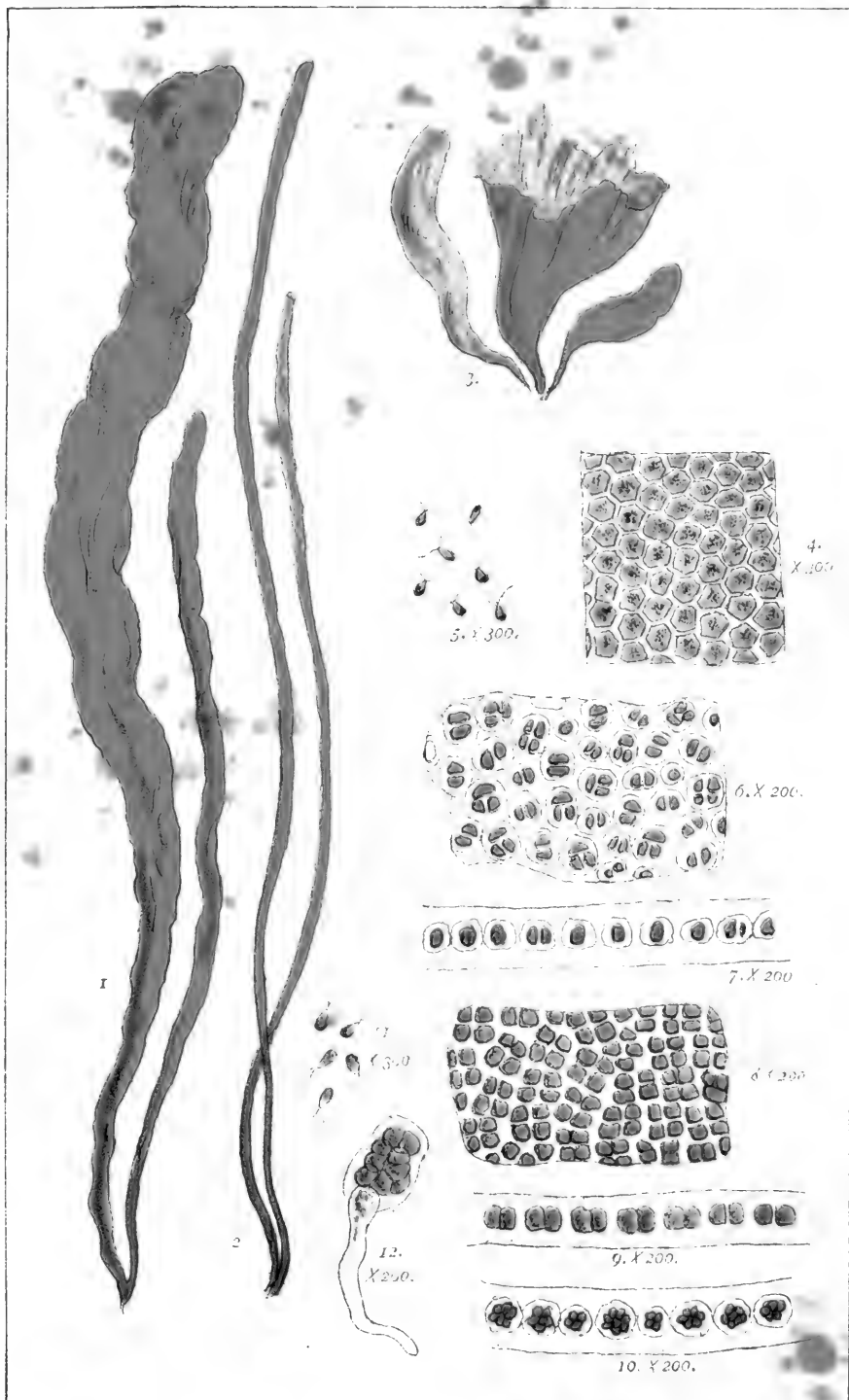


1-3 *Vaucheria terrestris*. 4. *Vaucheria racemosa*. Hise.
 5-6. *Vaucheria submarina*. Berk. 7. *Vaucheria velutina*. Jlg.



1.-2. *Prasiola crispa*. Ktz.3.-4. *Prasiola calcophylla*. Carm.5.-7. *Prasiola furfuracea*. Men.8.-11. *Prasiola stipitata*. Suhr.

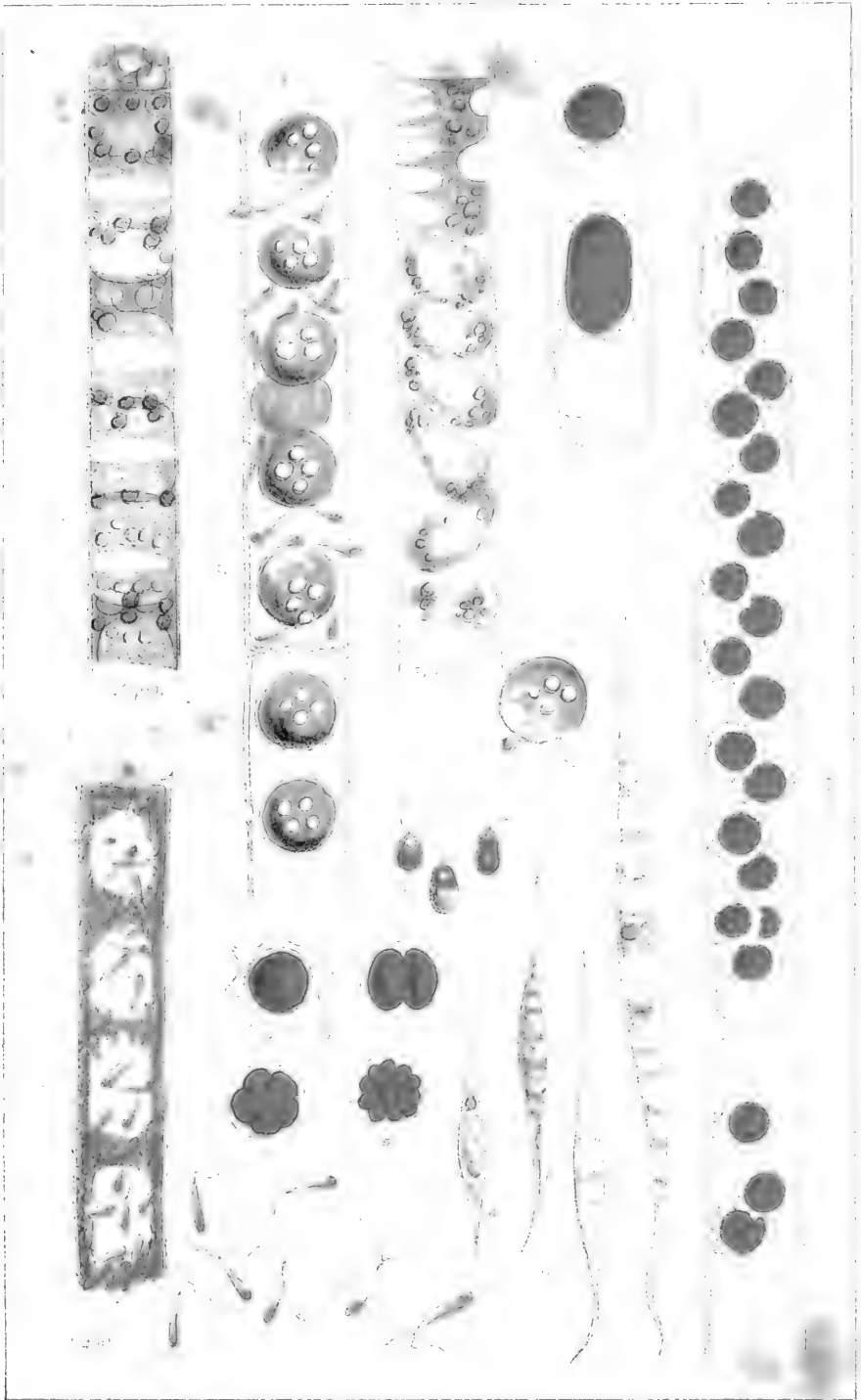




1-5. *Enteromorpha intestinalis*. L. 6-7. *Monostroma laceratum*. Thur.

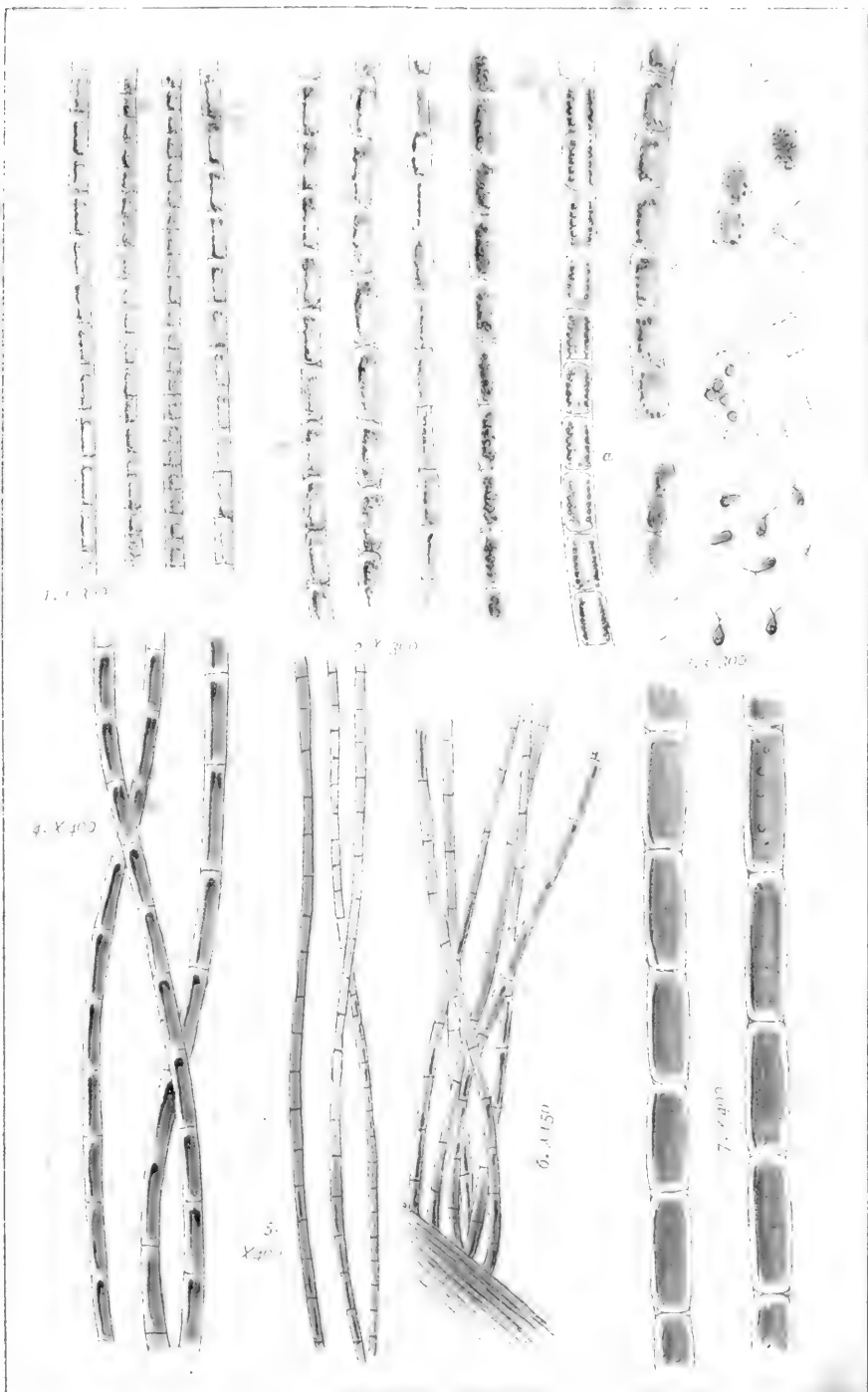
8-12. *Monostroma Wittrockii*. Born.





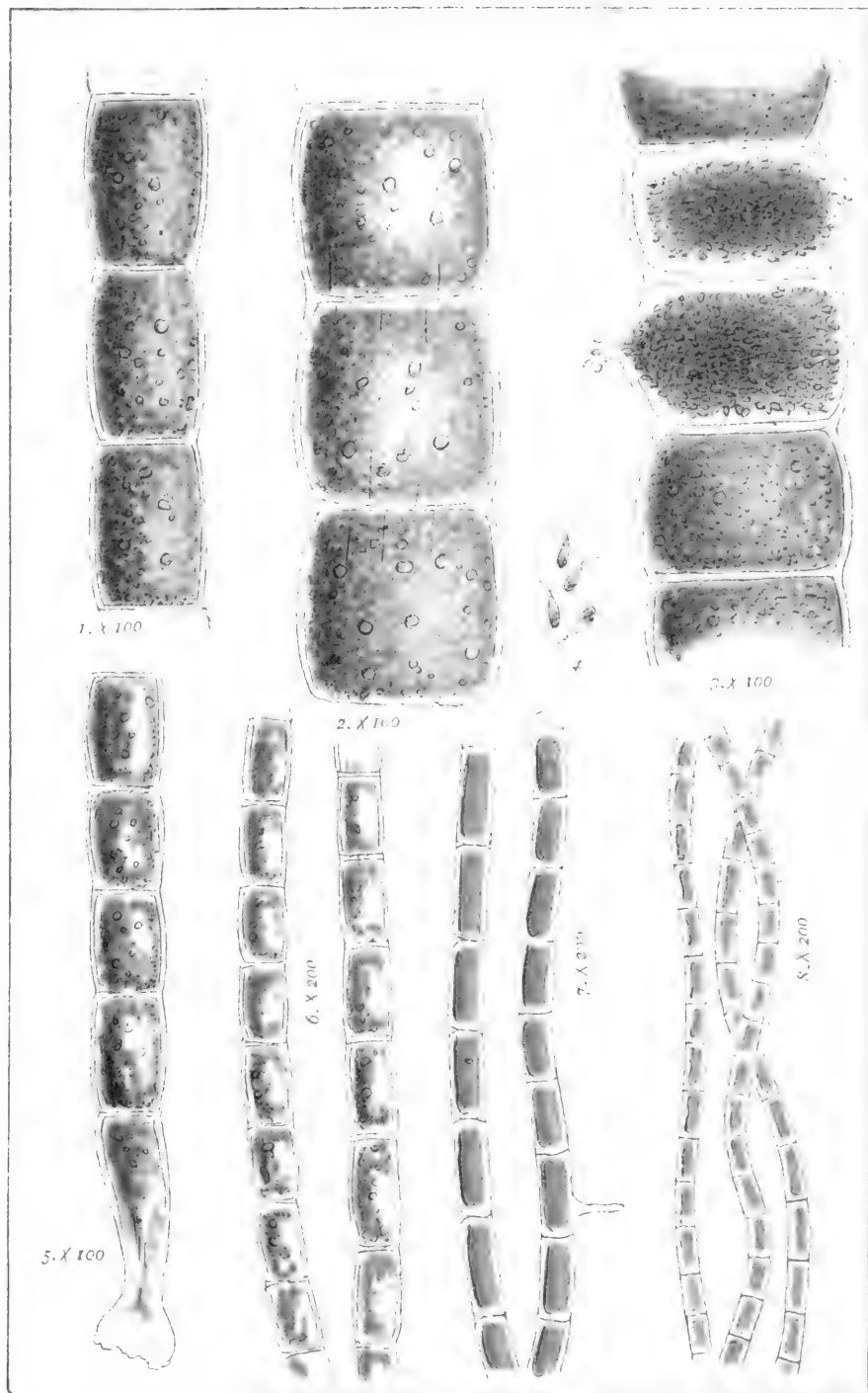
Sphæroplea annulina figs. X 400.





1. *Microspora fugacissima*. Thur. 2. *Microspora vulgaris*. Rabh.
 3. *Microspora floccosa*. Thur. 4. *Conferva bombycina*. Ag
 5. *Conferva tenerrima*. Kutz 6-7. *Conferva fontinalis*. Berk.

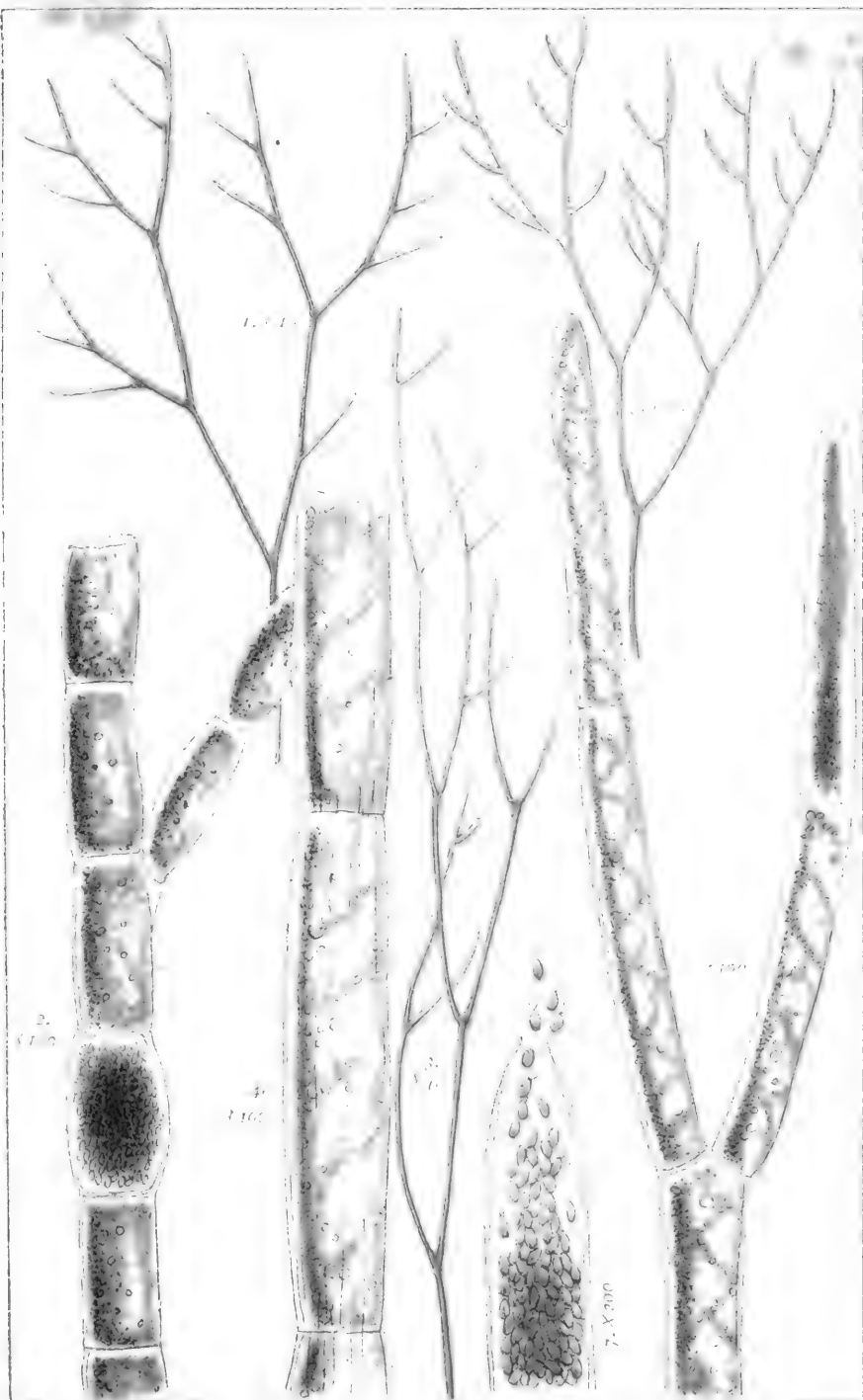




1. *Chaetomorpha litorea*. Harv.
 5. *Chaetomorpha sutoria*. Berk.
 7. *Rhizoclonium Casparyi*. Harv.

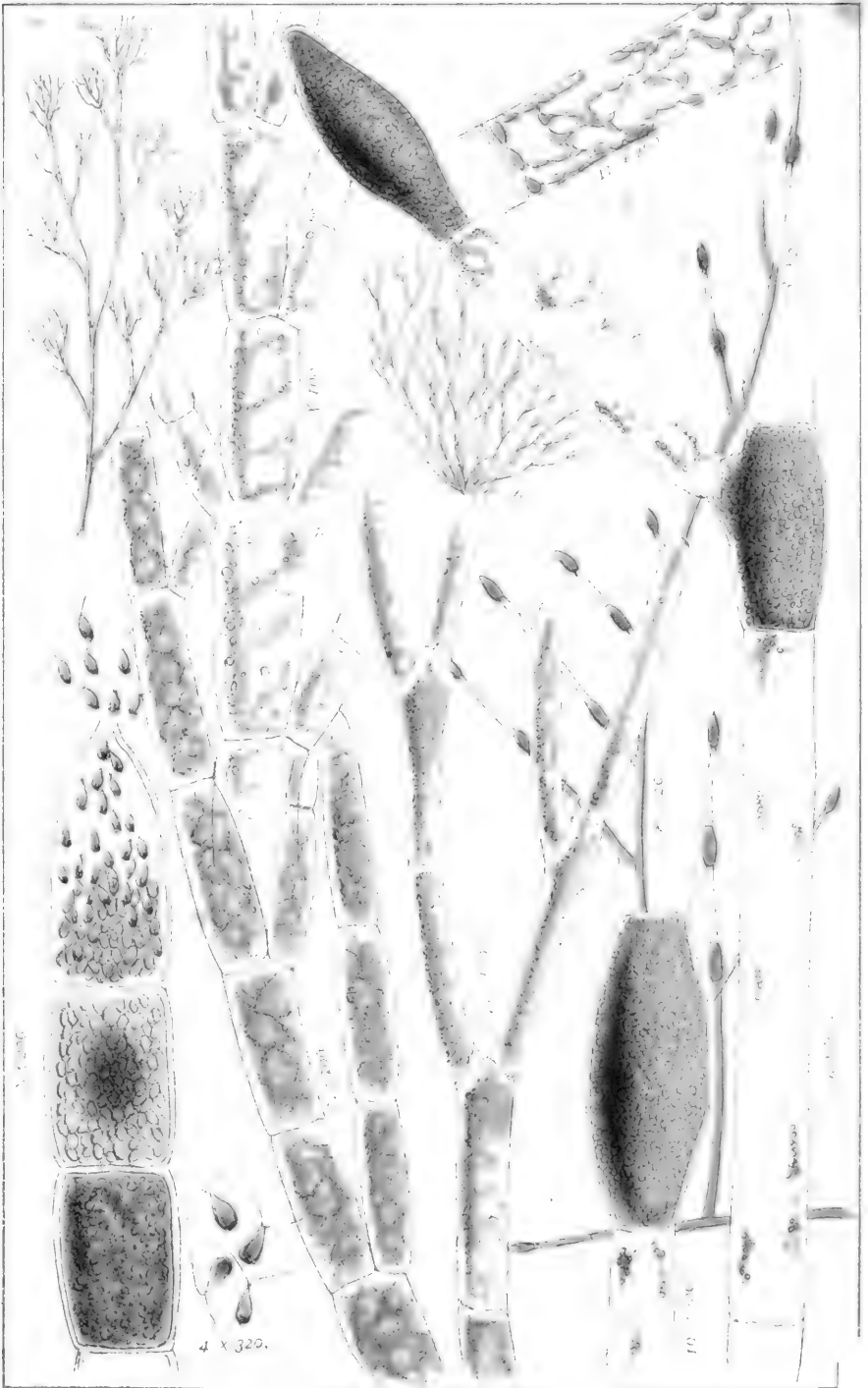
2-4. *Chaetomorpha linum*. K.
 6. *Chaetomorpha impleza*. Dillw.
 8. *Rhizoclonium flavicans*. Jurg.





1.-2. *Cladophora fracta* K. 3.-4. *Cladophora crispata* K.
5. 7. *Cladophora flavescens*. Ag





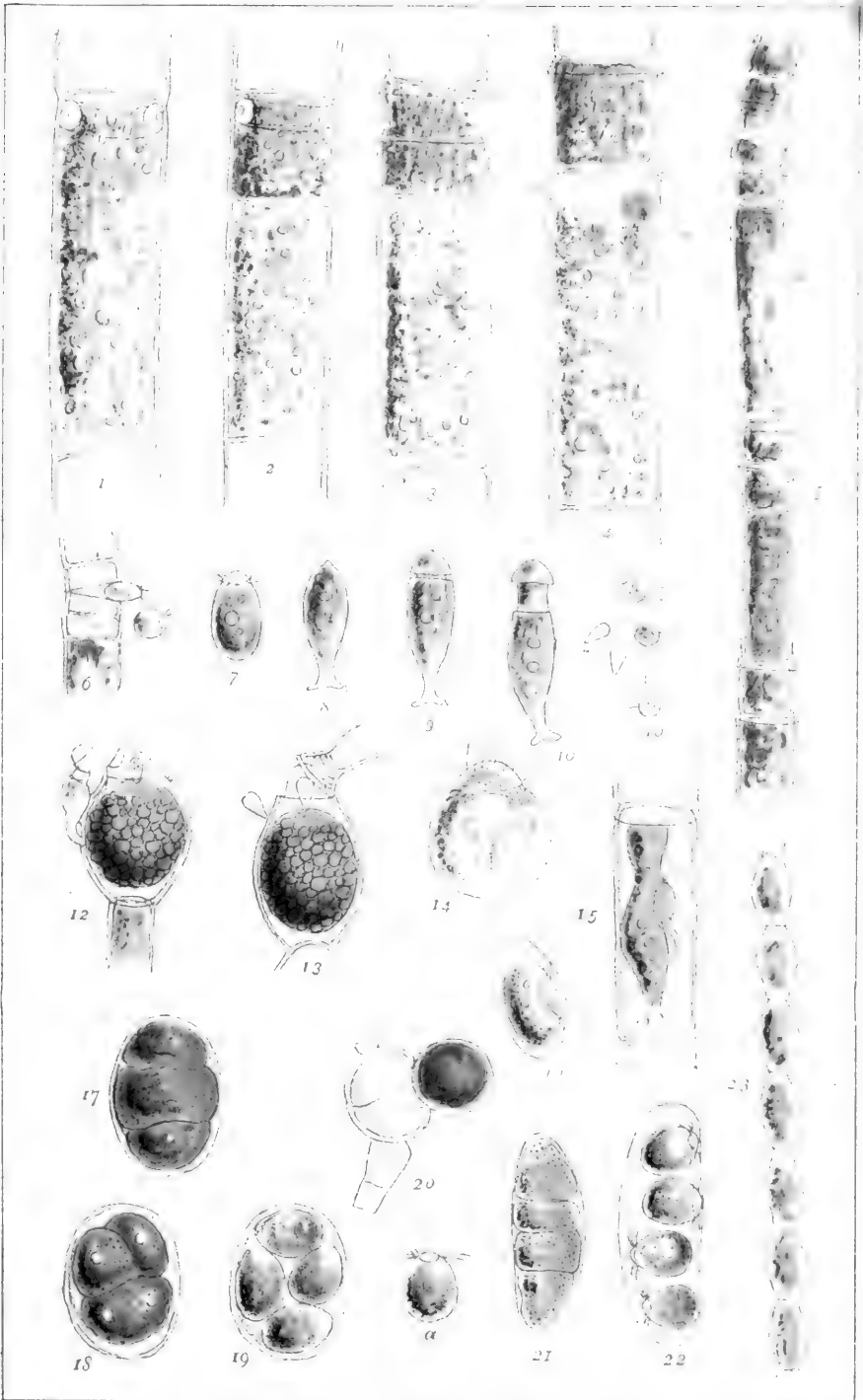
1.-4. *Cladophora glomerata*. L.

5. *Cladophora canalicularis*.

6.-7. *Cladophora aegagropila*. L.

8.-11. *Pithophora kewensis*. Wi





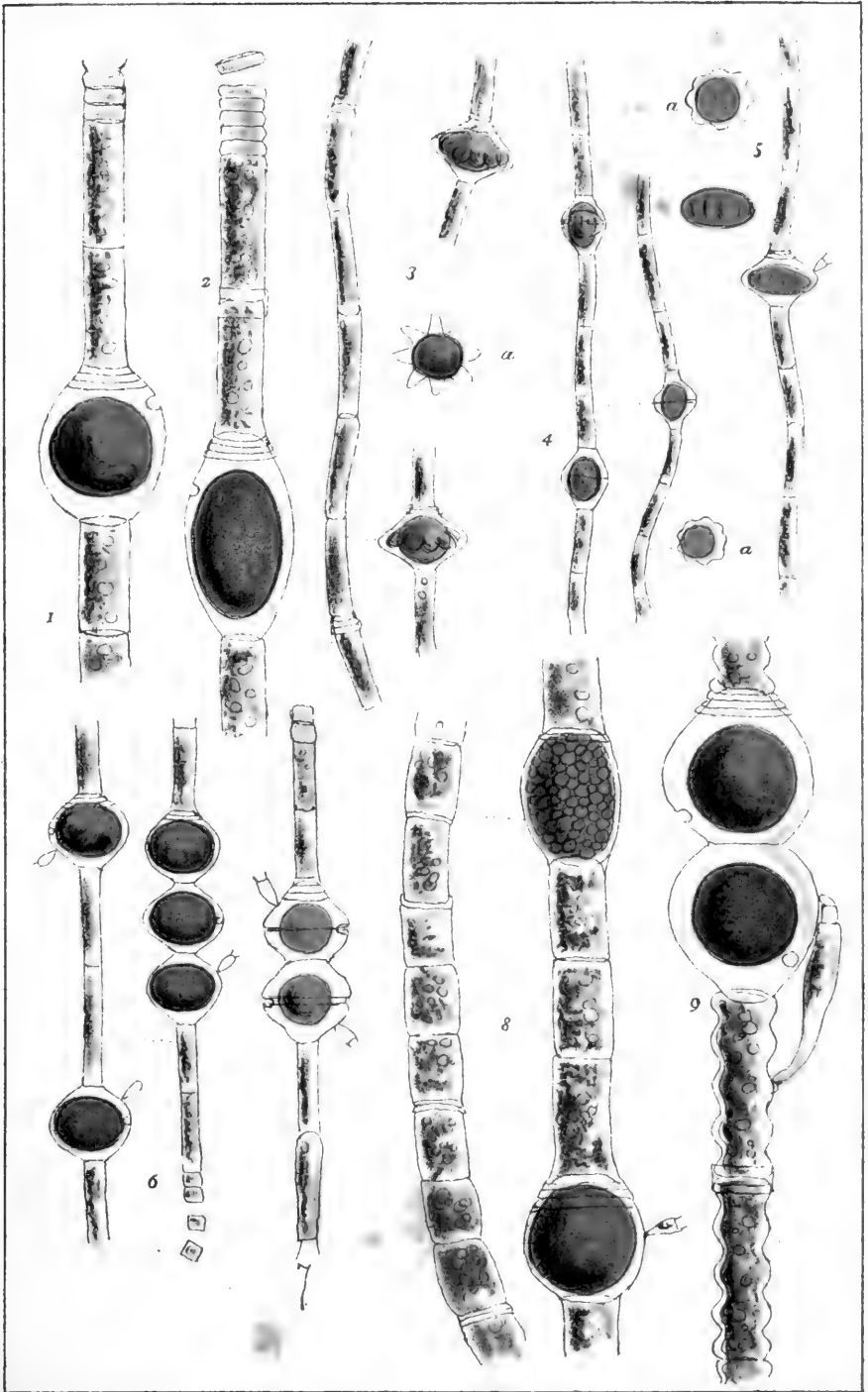
Cedogonium, and Eulabellata. X 400.





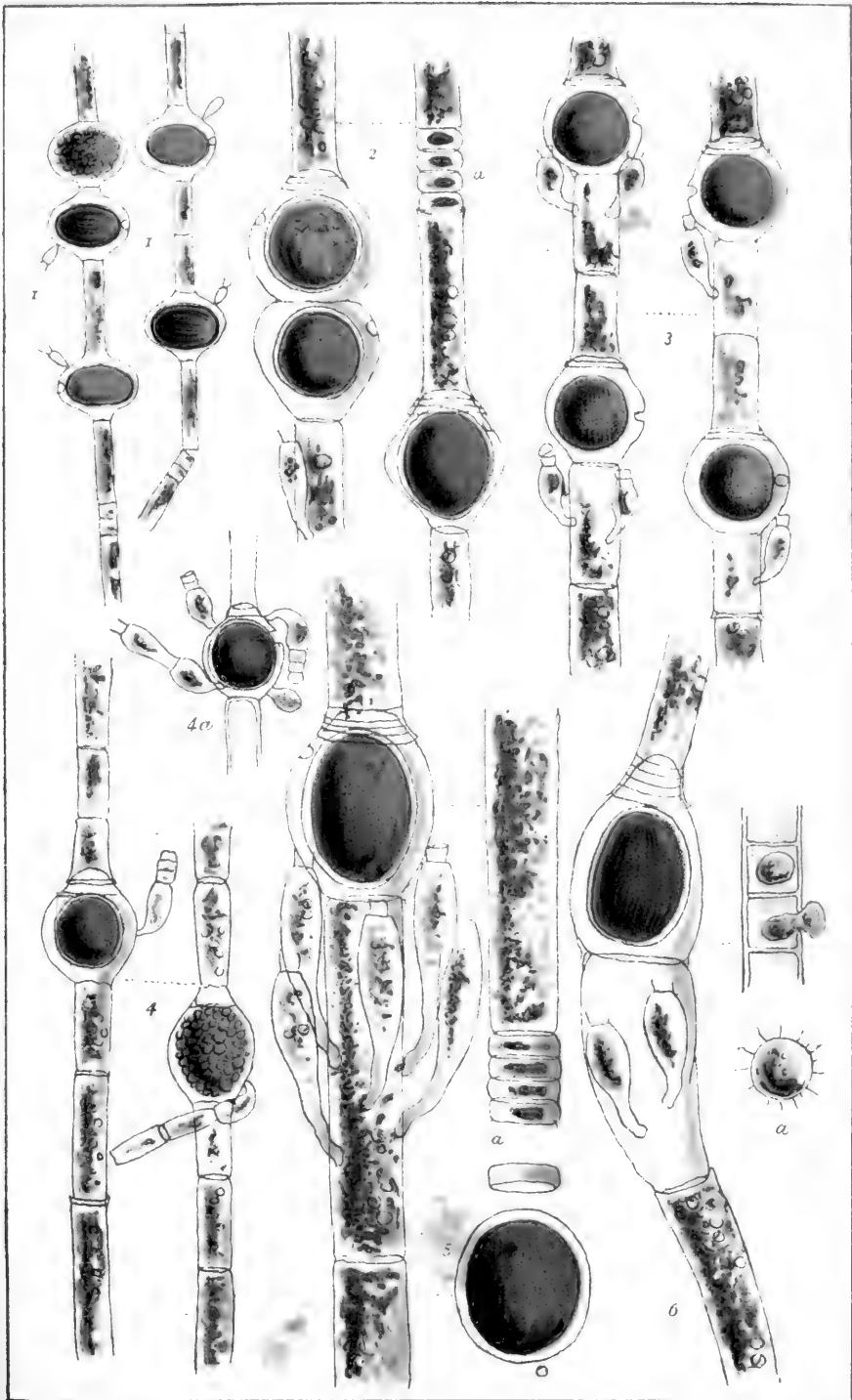
1. *Ædogonium Petri*. W. 2 *Ædog. cryptosporum*. W. 3 *Ædog. curvum*. Pr
 4. *Ædog. cymatosporum*. W. 5. *Ædog. minus* W 6. *Ædog. vernale* Hass
 7. *Ædog. crispum*. Hass. 8. *Ædog. Vaucherii*. Fr.





1. *Edog. urbicum* W. 2. *Edog. paludosum* Hass. 3. *Edog. Itzigsohnii*. (By
 4. *Edog. excisum* W. 5. *Edog. platygynum* W. 6. *Edog. Rothii*. Pr.
 7. *Edog. Areschougii* W. 8. *Edog. pluviale*. Nord. 9. *Edog. undulatum* Breb.

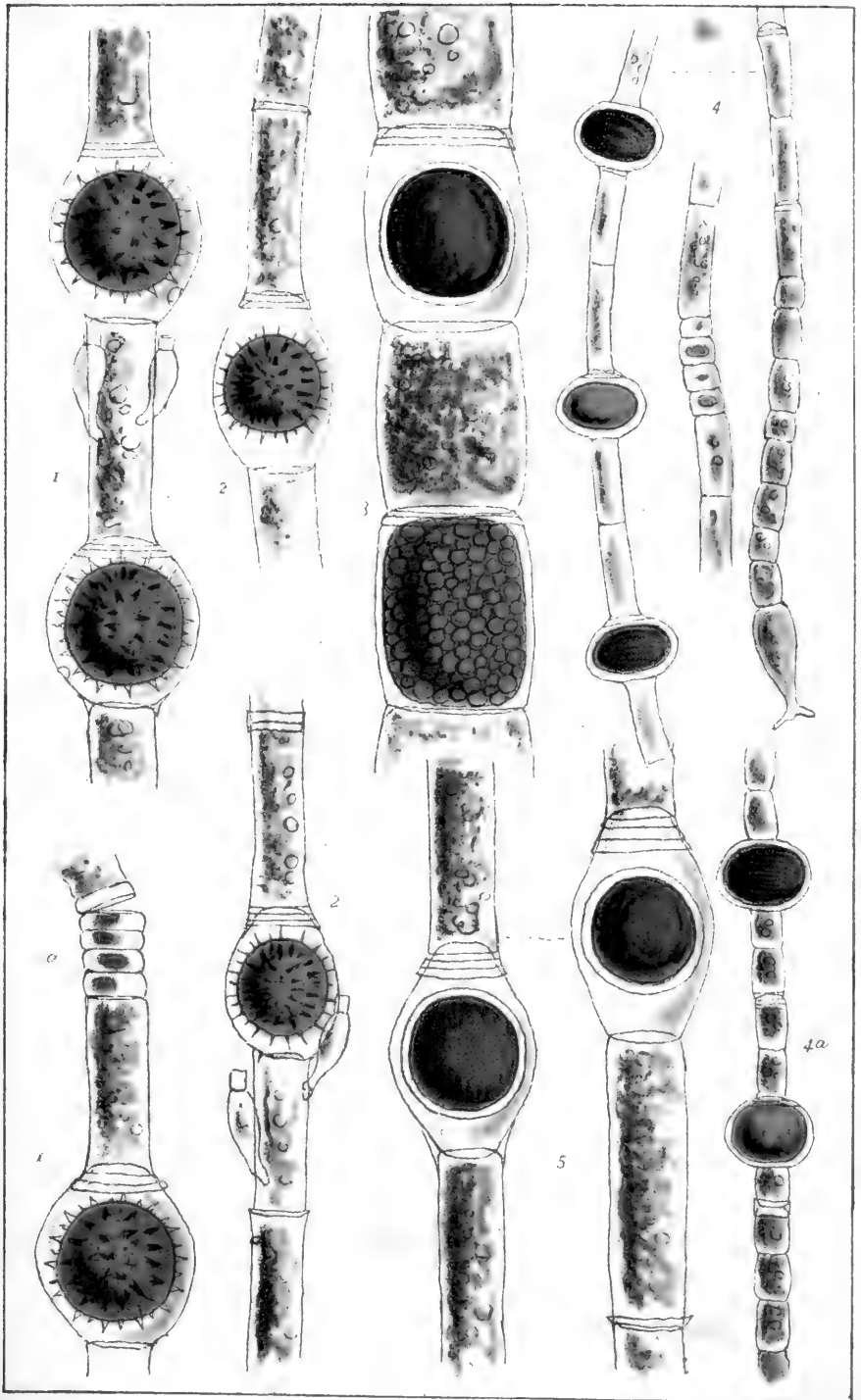




1. *Ædog. depressum*. Pr. 2. *Ædog. flavescens*. Hass. 3. *Ædog. Braunii*. Kütz. 4. *Ædog. macrandum*. W. 5. *Ædog. crassiusculum*. W. 6. *Ædog. Borisianum*. W.

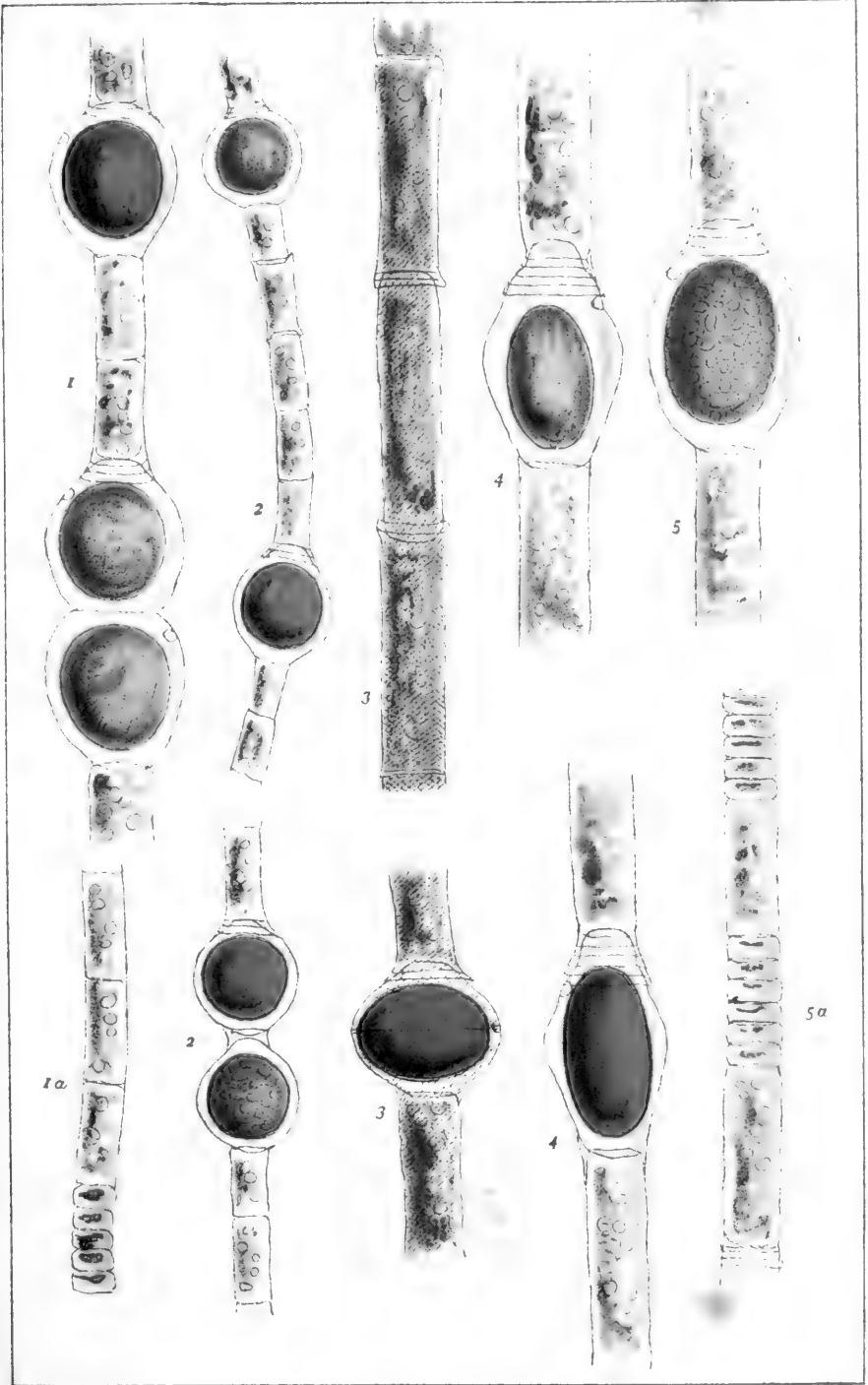






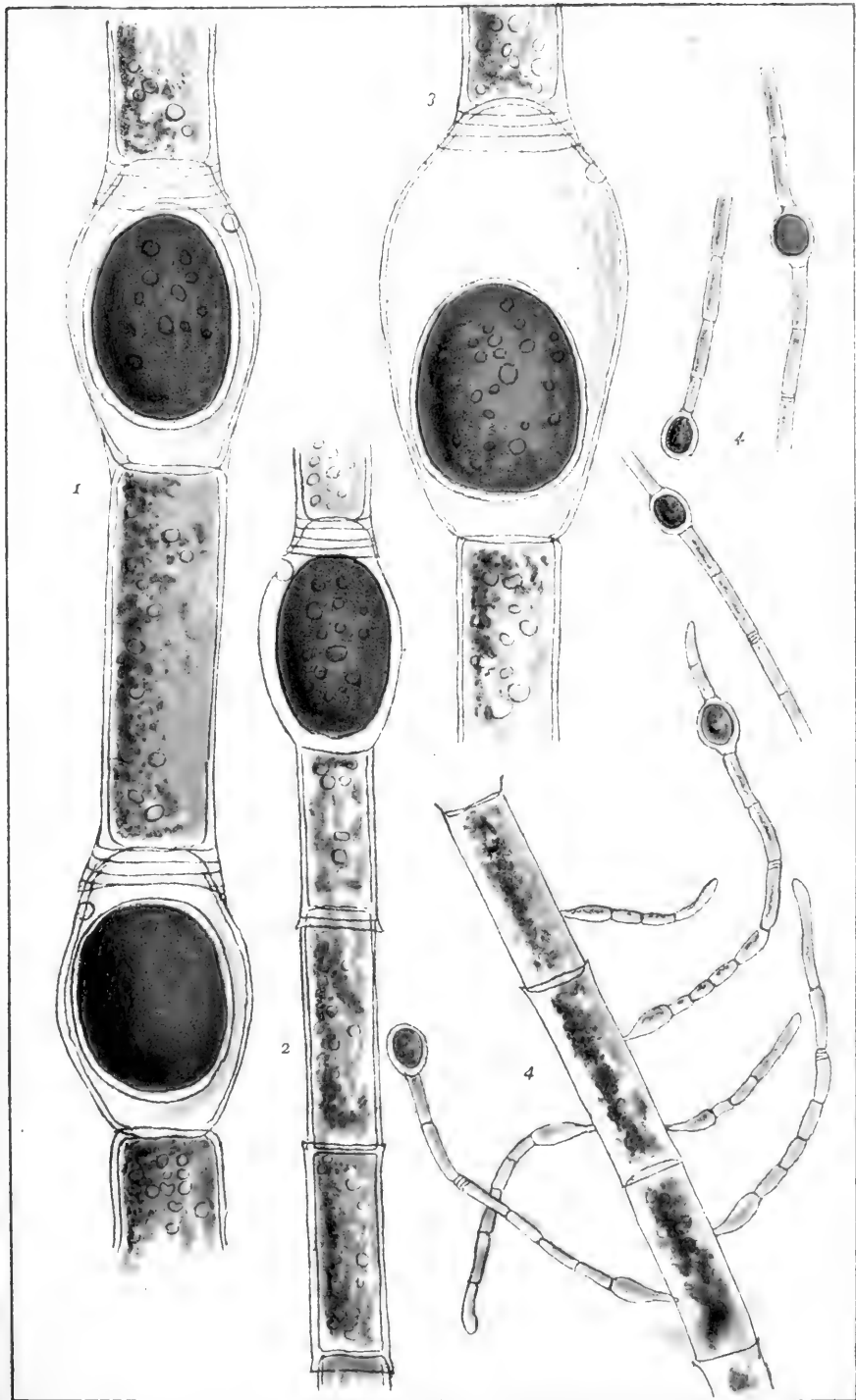
1. *Ædog. Cleveanum* W. 2 *Ædog. echinospermum* Br. 3. *Ædog. capillare* (L.)
 4. *Ædog. calcareum* W. 5 *Ædog. cardiacum* (L.) ss.





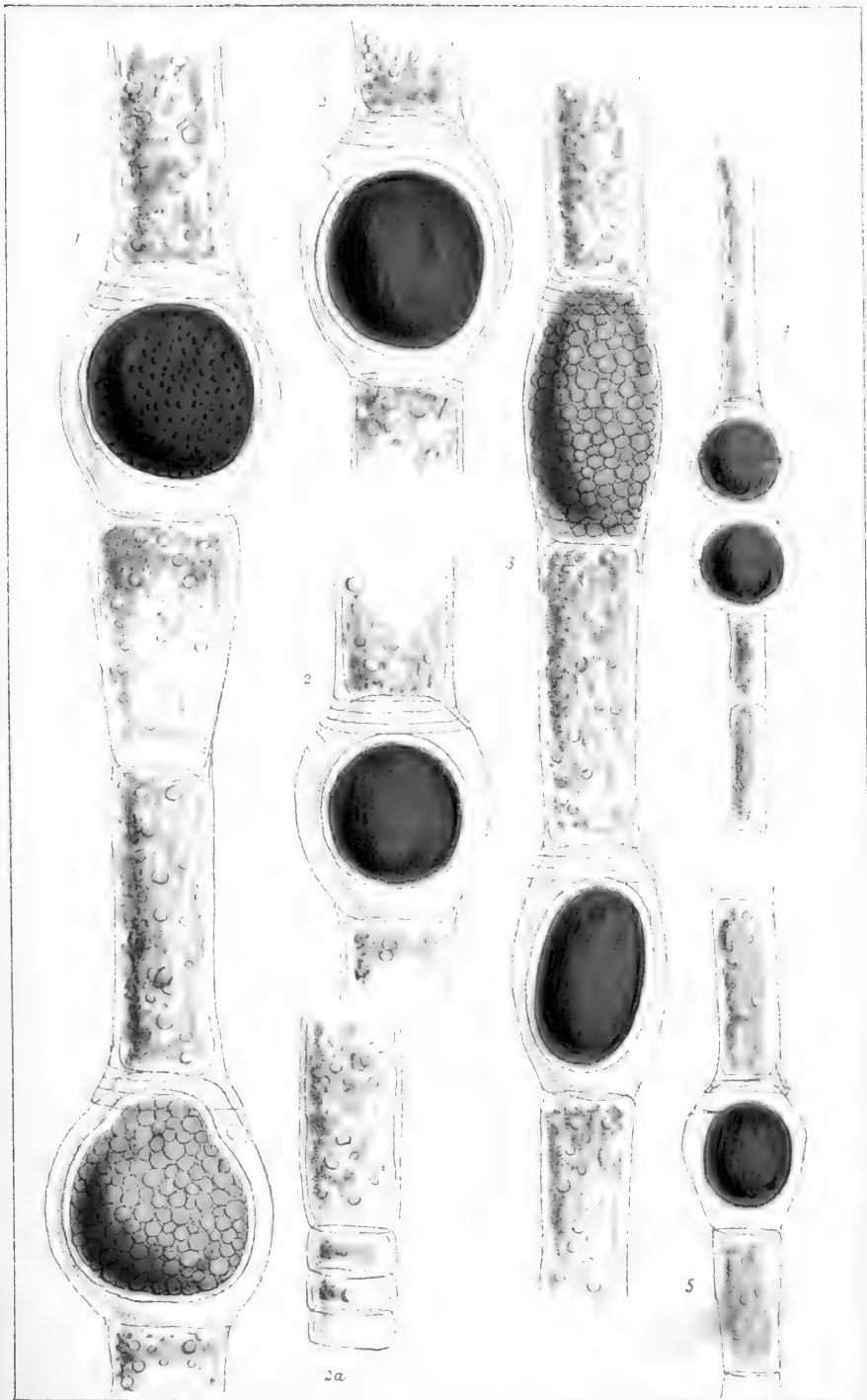
1. *Edog. carbonicum*. W. 2. *Edog. Pringsheimii*. W. 3. *Edog. punctato-striatum*. DBy. 4. *Edog. Boscii*. W. 5. *Edog. tumidulum*. Kutz.





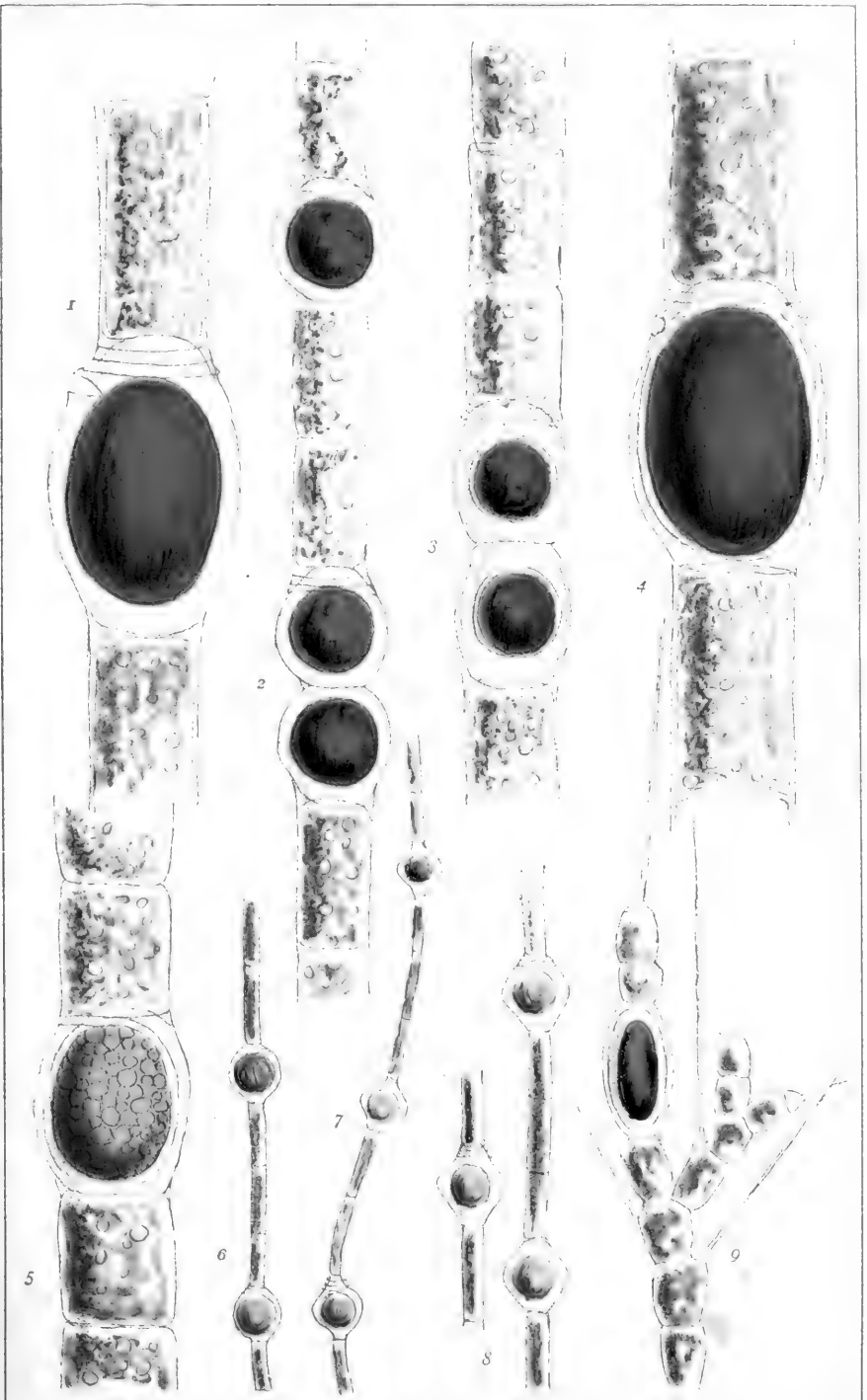
1. *Edog. Landsboroughii*. Hass. 2. variety *gemelliparum*. Pr.
 3. *Edog. rivulare*. Br. 4. *Edog. longatum*. Kutz.





1. *Cedog. Hutchinsiae* W. 2. *Cedog. princeps* Hass. 3. *Cedog. giganteum* Kütz.
 4. *Cedog. Londinense* W. 5. *Cedog. vesicatum* Lyngb.



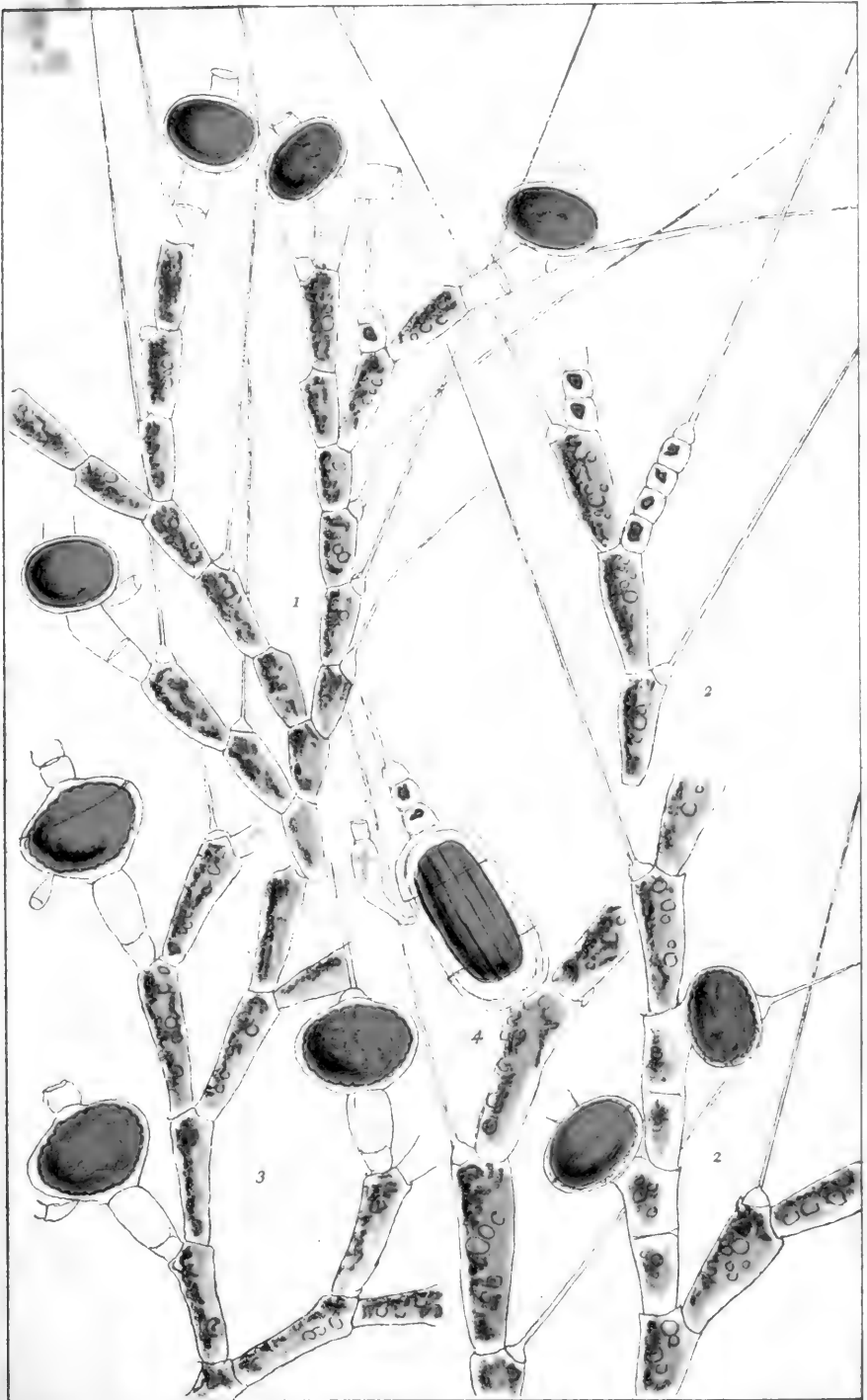


1. *Edog. crassum* H. var. 2. *Edog. fasciatum* K. 3. *Edog. capillareum* K.

4. *Edog. grande* K. 5. *Edog. subsericeum* K. 6. *Edog. tenellum* K.

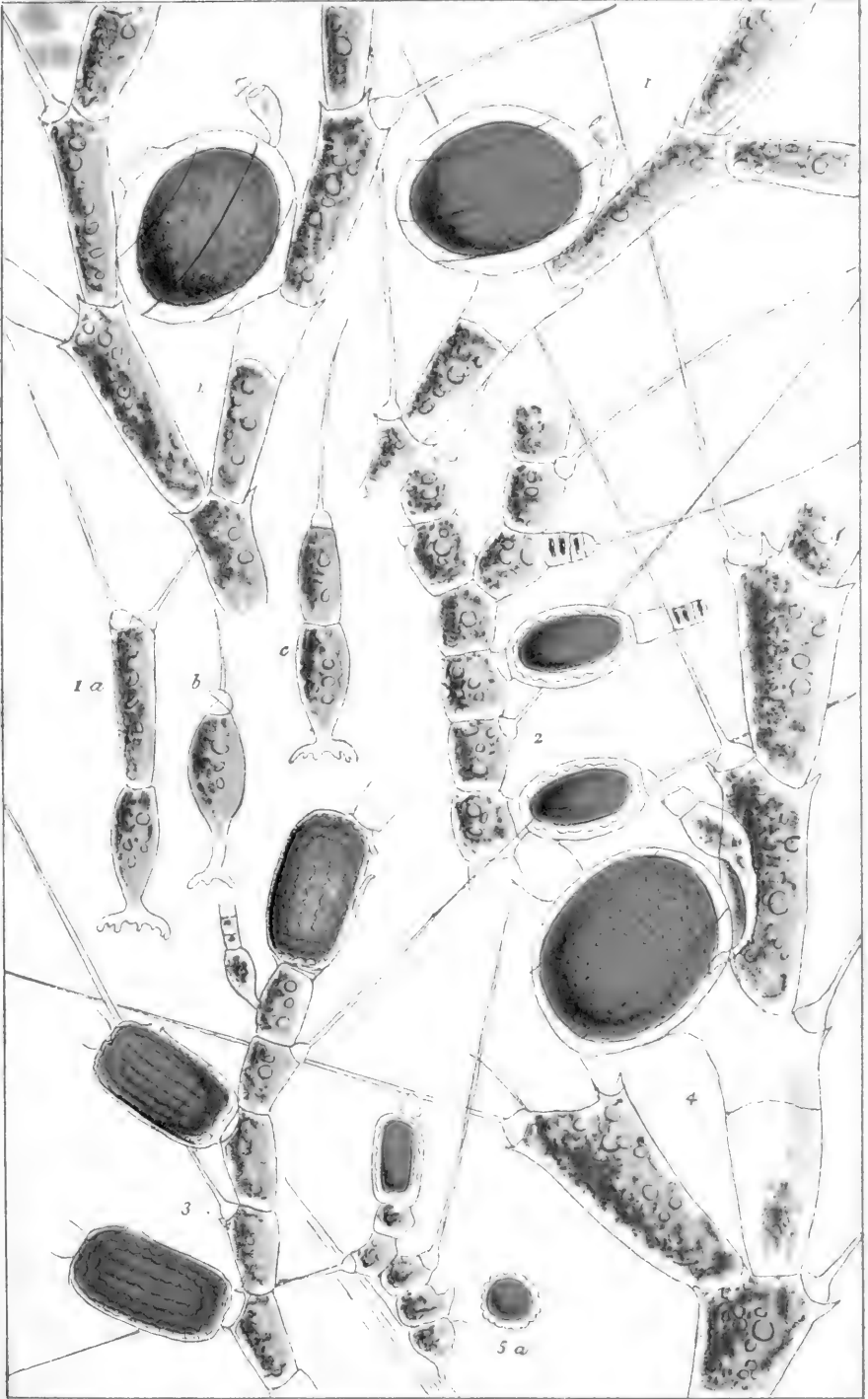
7. *Edog. delicatulum* K. 8. *Edog. hexagonum* K. 9. *Bulbochaete gracilis* Pr.





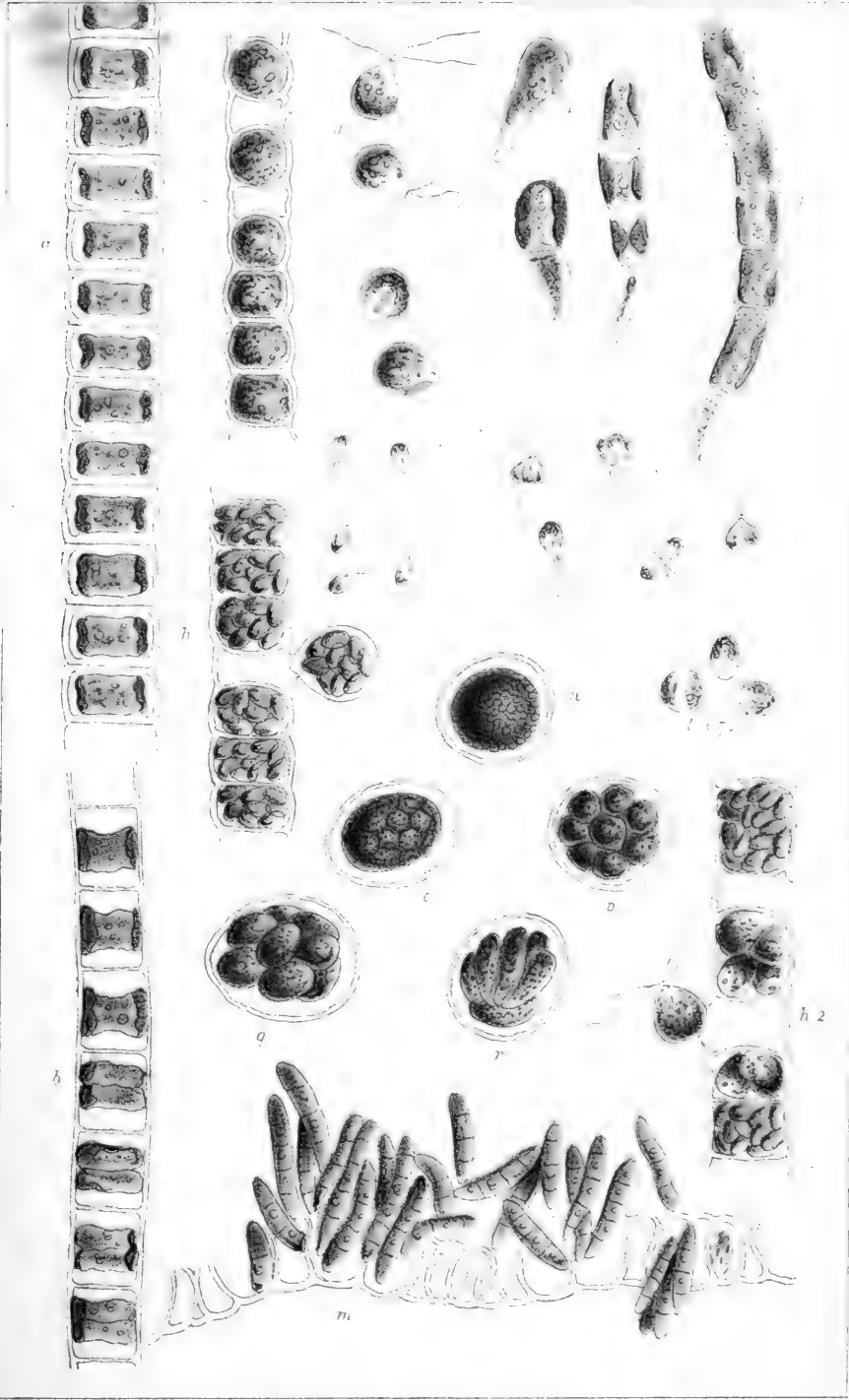
1. *Bulbochaste intermedia*. DBy. 2. *Bulbochaste polyandra*. Cleve. 3. *Bulbochaste Brebissonii*. Kutz. 4. *Bulbochaste insignis*. Pr.





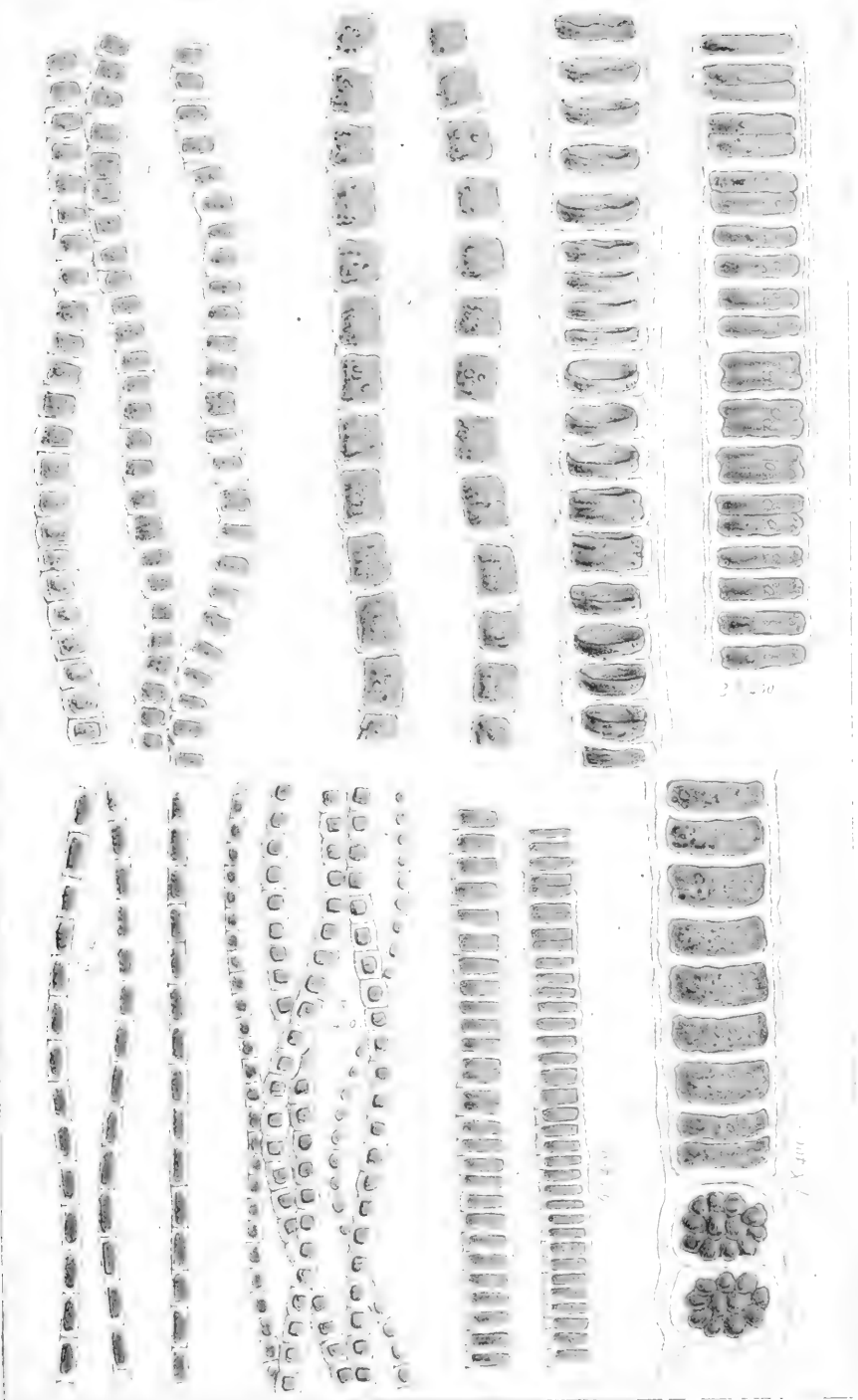
1. *Bulbochæte setigera* fig. 2 *Bulbochæte mirabilis* W 3. *Bulbochæte rectangularis*.
 4. *Bulbochæte gigantea* Pr. 5. *Bulbochæte pygmæa* Pr.





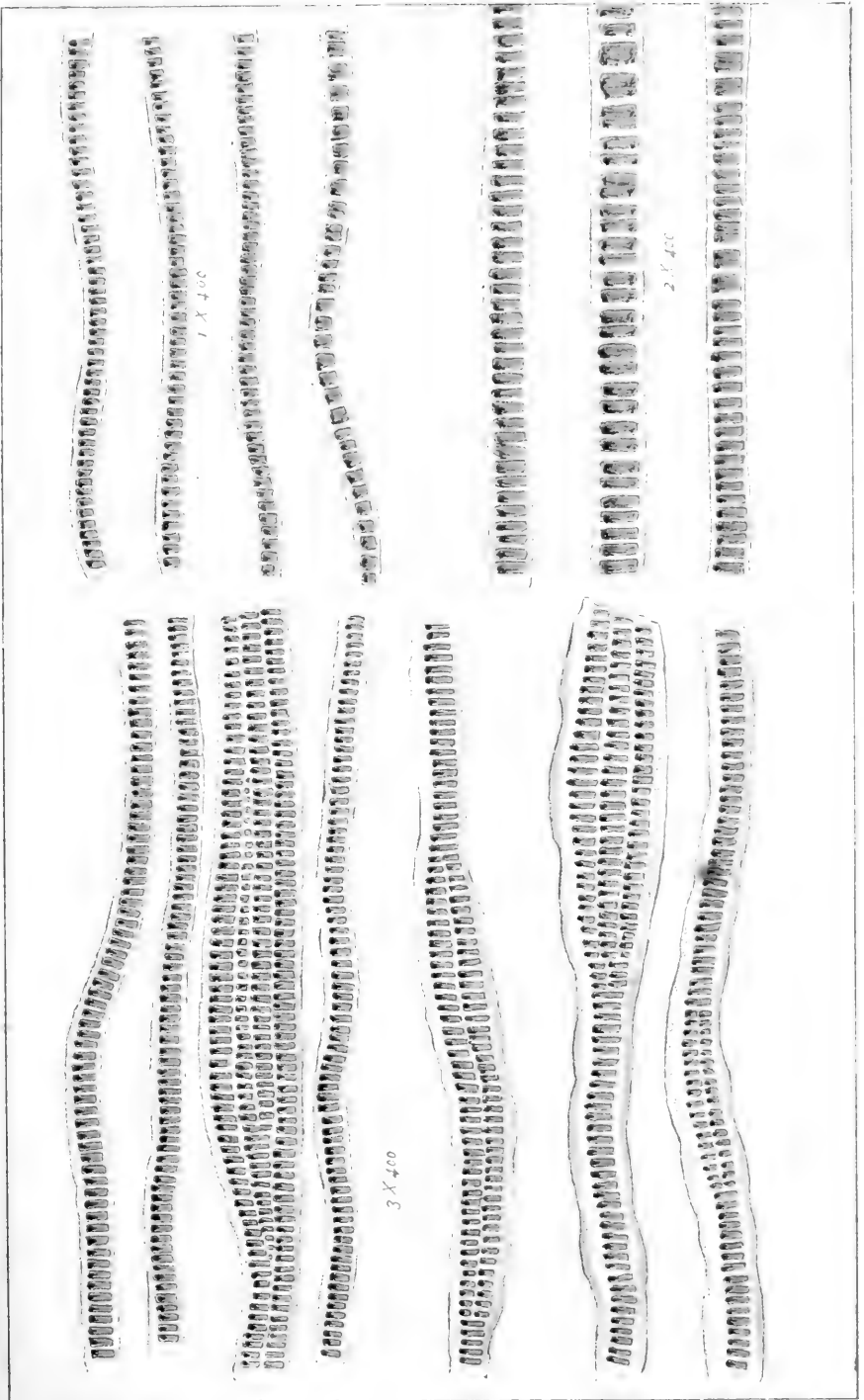
Hormiscia zonata (W. & M.) X 400.





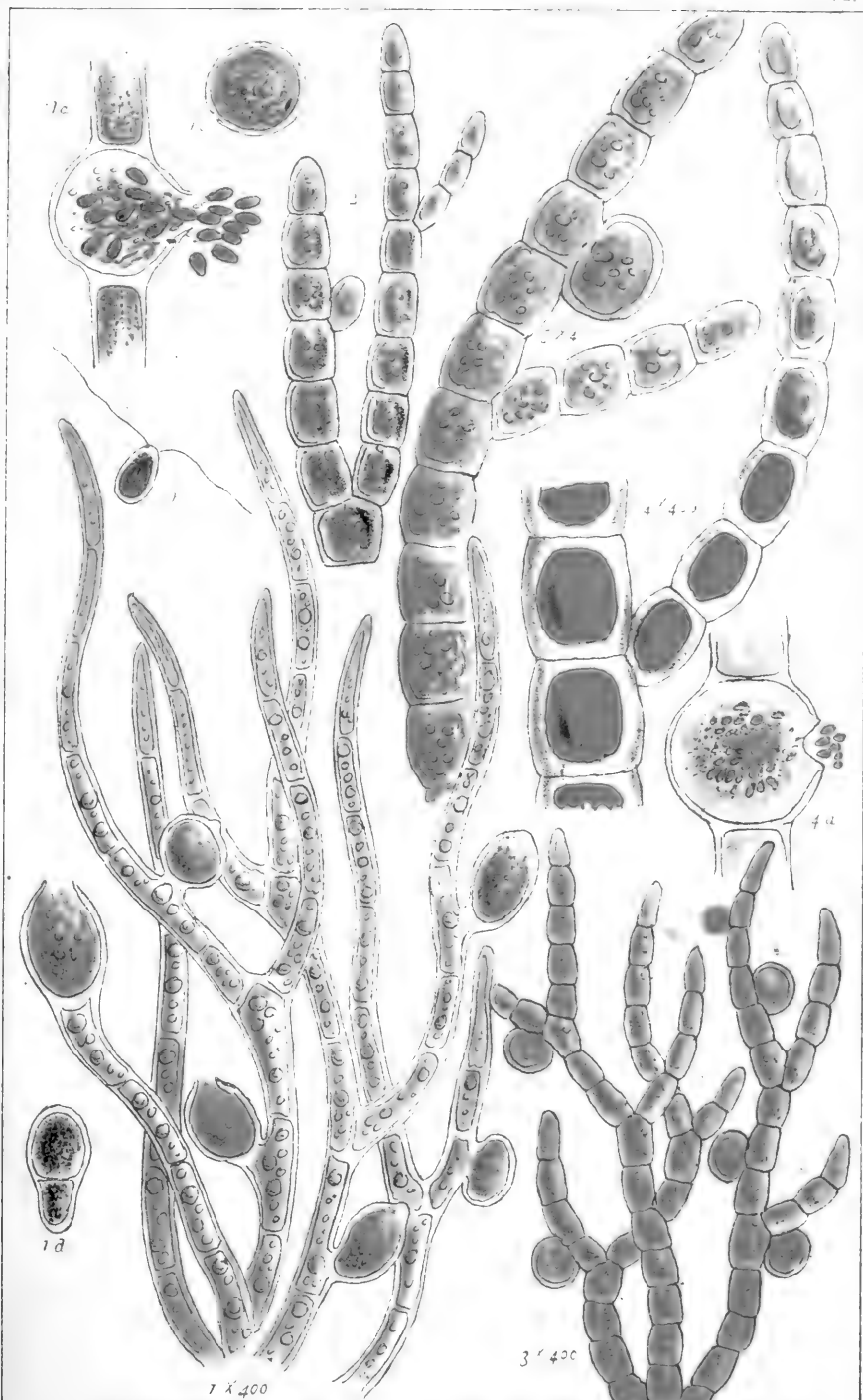
1. *Hormiscia moniliformis*, Kutz. 2. *Hormiscia calziformis*, Kutz.
 3. *Hormiscia speciosa* (Carm.) 4. *Ulothrix variabilis*, Kutz.
 5. *Ulothrix tenuerrima*, Kutz. 6. *Ulothrix tenuis*, Kutz. 7. *Hormiscia bicolor*, E.B.





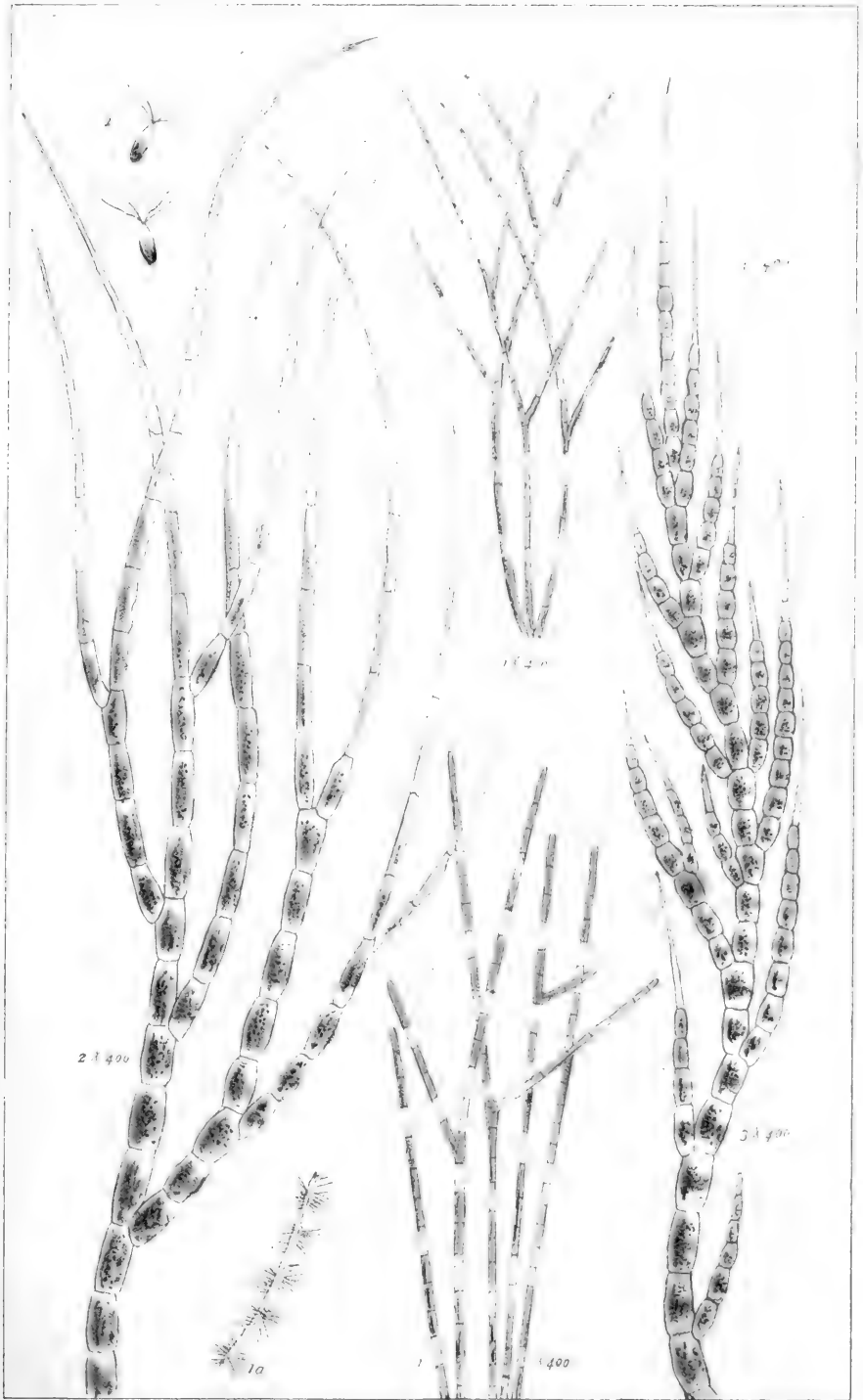
1. *Ulothrix radicans*, Kutz. 2. *Ulothrix parietina*, Kutz.
3. *Schizogonium murale*, Kutz.





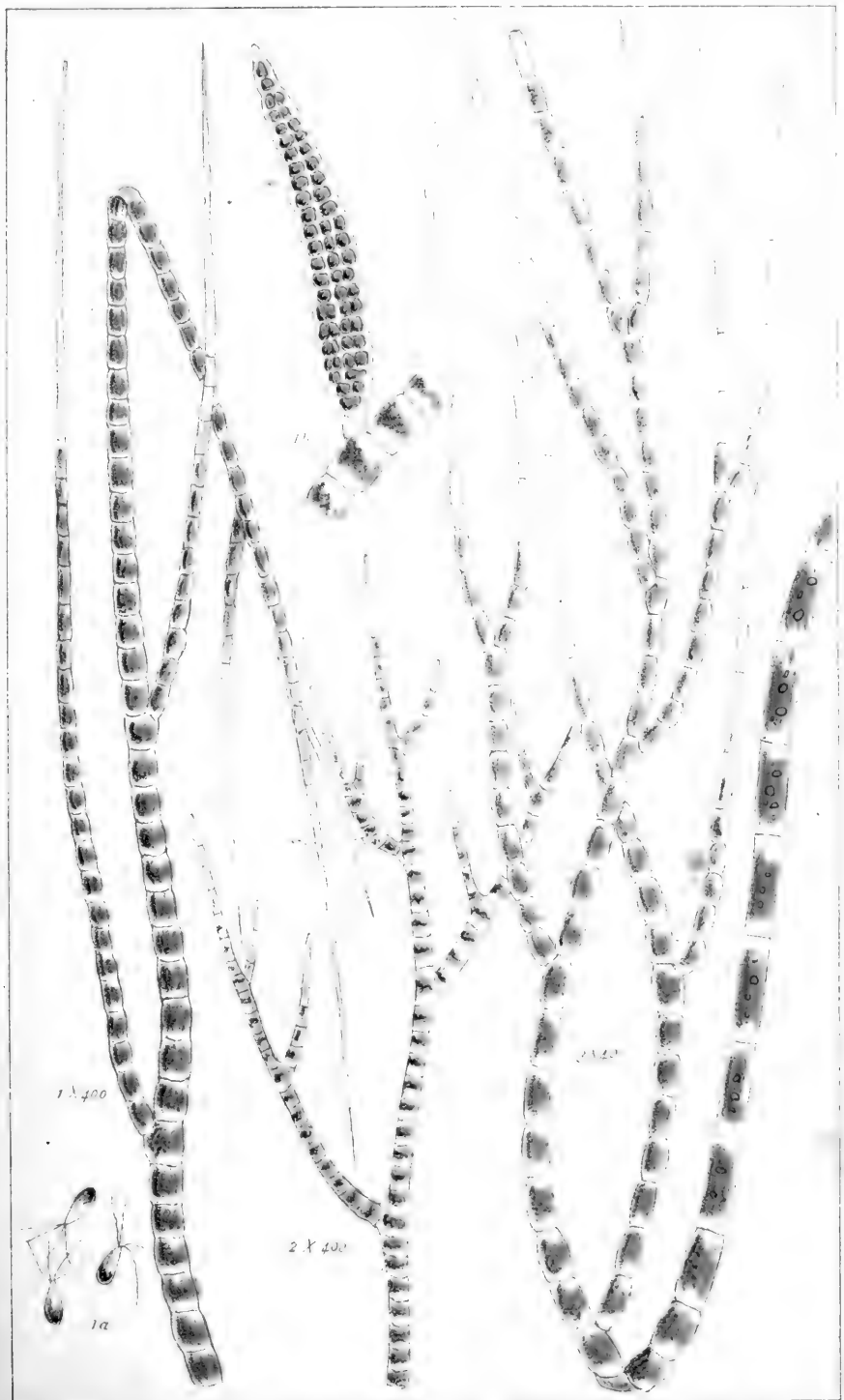
1. *Chroolepus aureum*. Linn. 2. *Chroolepus odoratum*. Ag. 3. *Chroolepus abietinum* var. *lichenicolum*. 4. *Chroolepus isolithus*. Linn. 5. *Chroolepus iliricolum*. H.





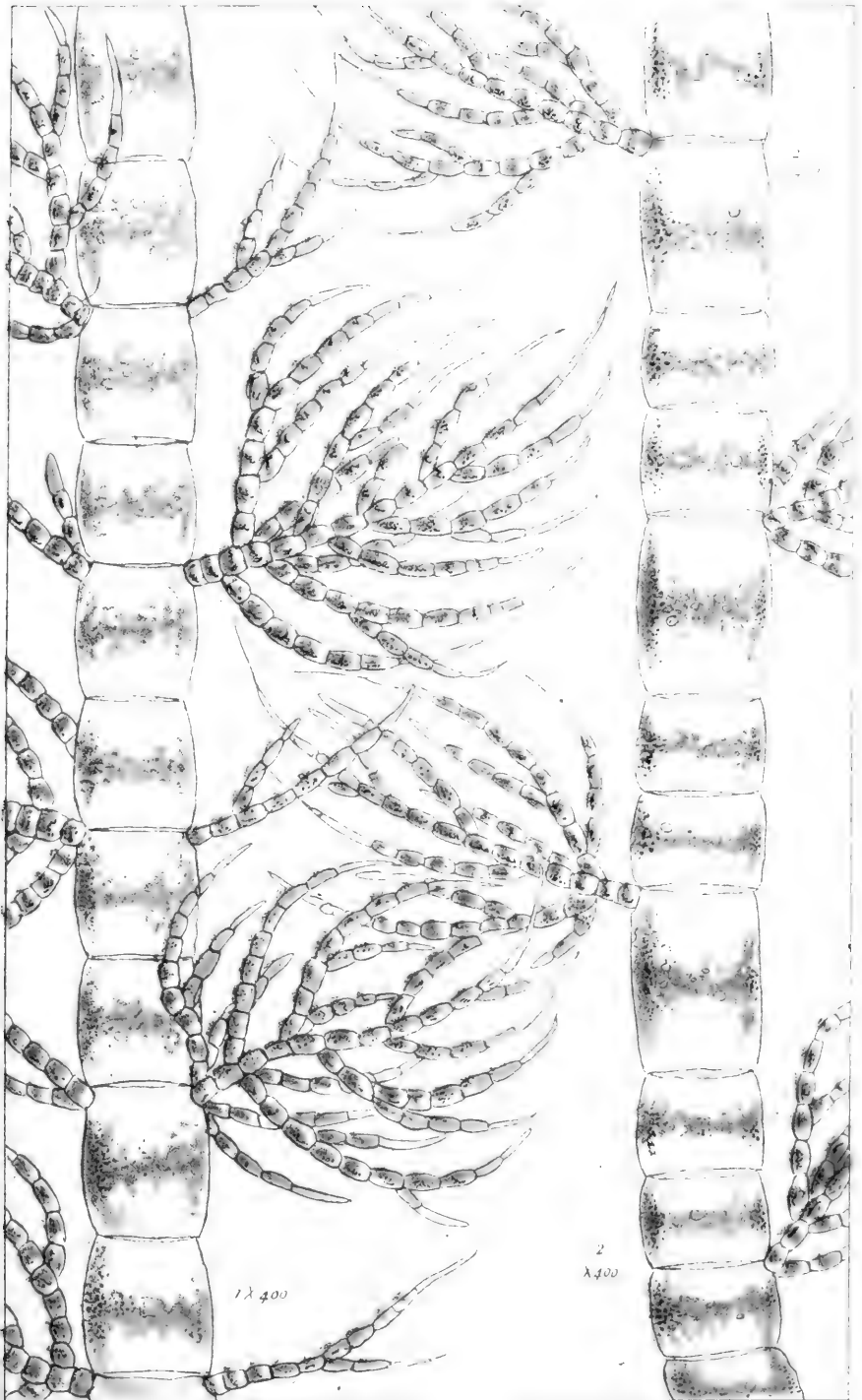
1. *Microthamnion vexator*. Cooke. 2 *Stigeoclonium thermale*. Br.
 3 *Stigeoclonium tenue*. Ag.





1. *Stigeoclonium protensum*. Kutz. 2. *Stigeoclonium nanum* Kutz.
 3. *Stigeoclonium fastigiatum*. Kutz.

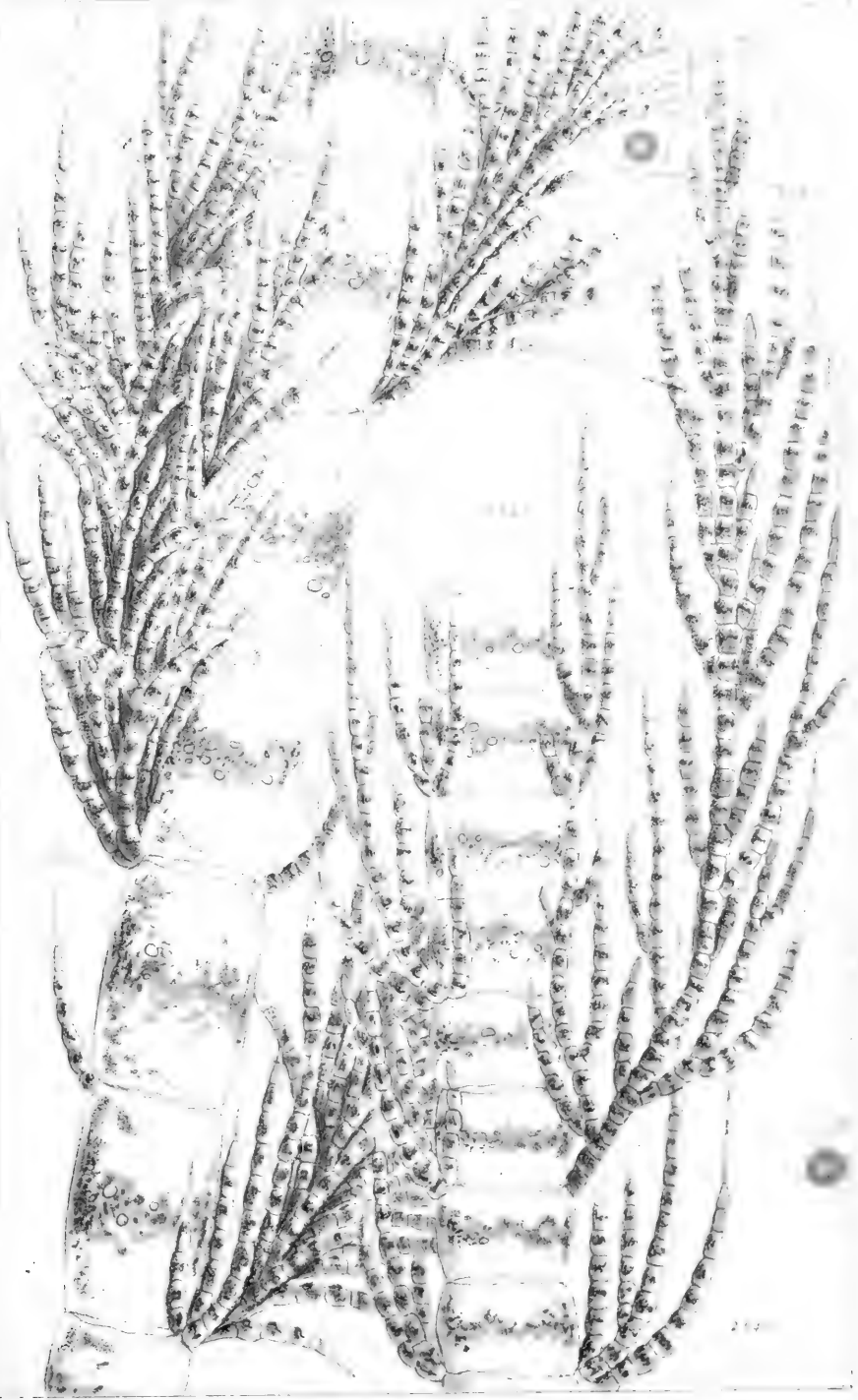




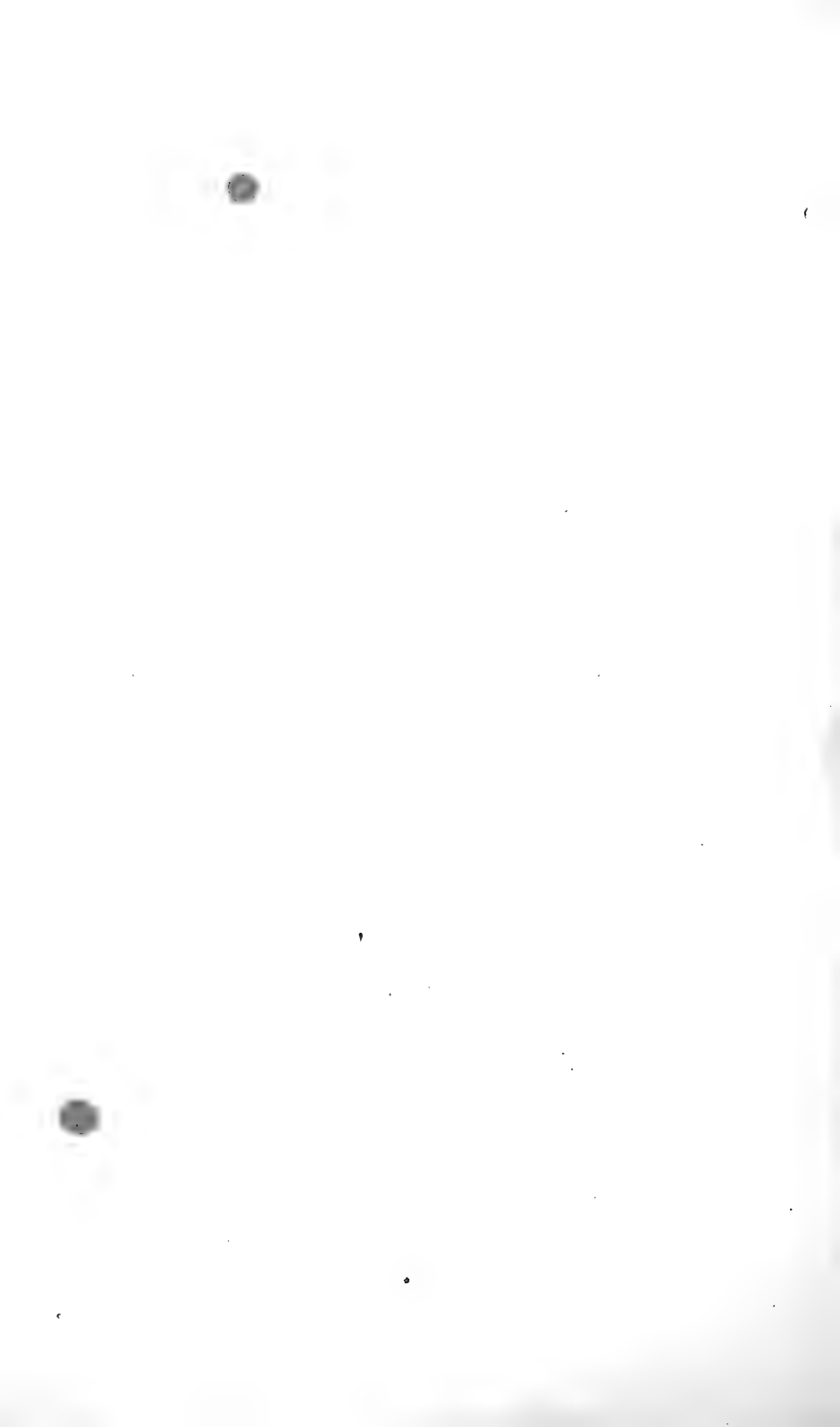
1. *Draparnaldia glomerata* Ag. 2 variety *distans*, Kutz.

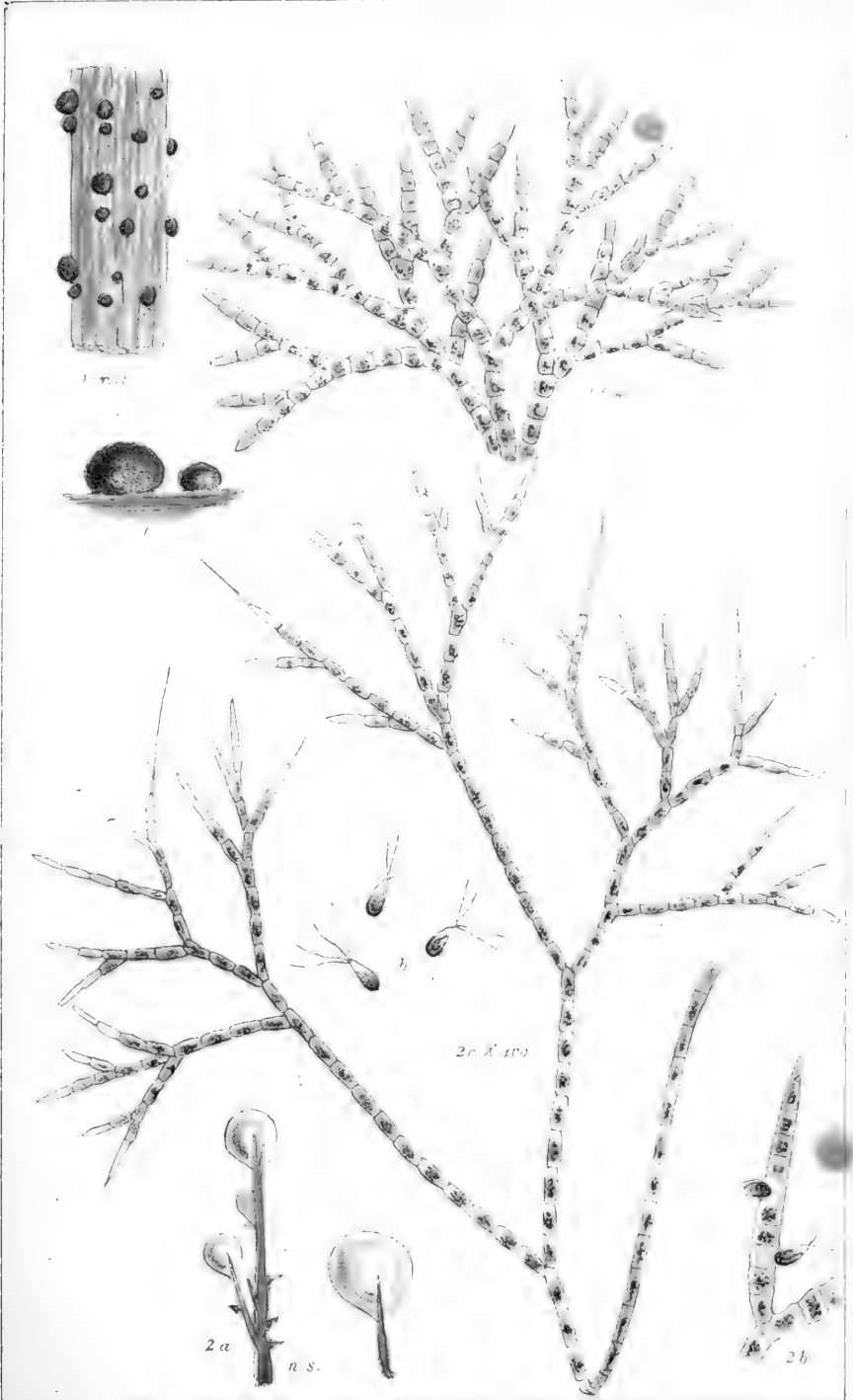


10



1. *Draparnaklia plumosa*. Ag. 2 variety *pulchella*. Kutz.

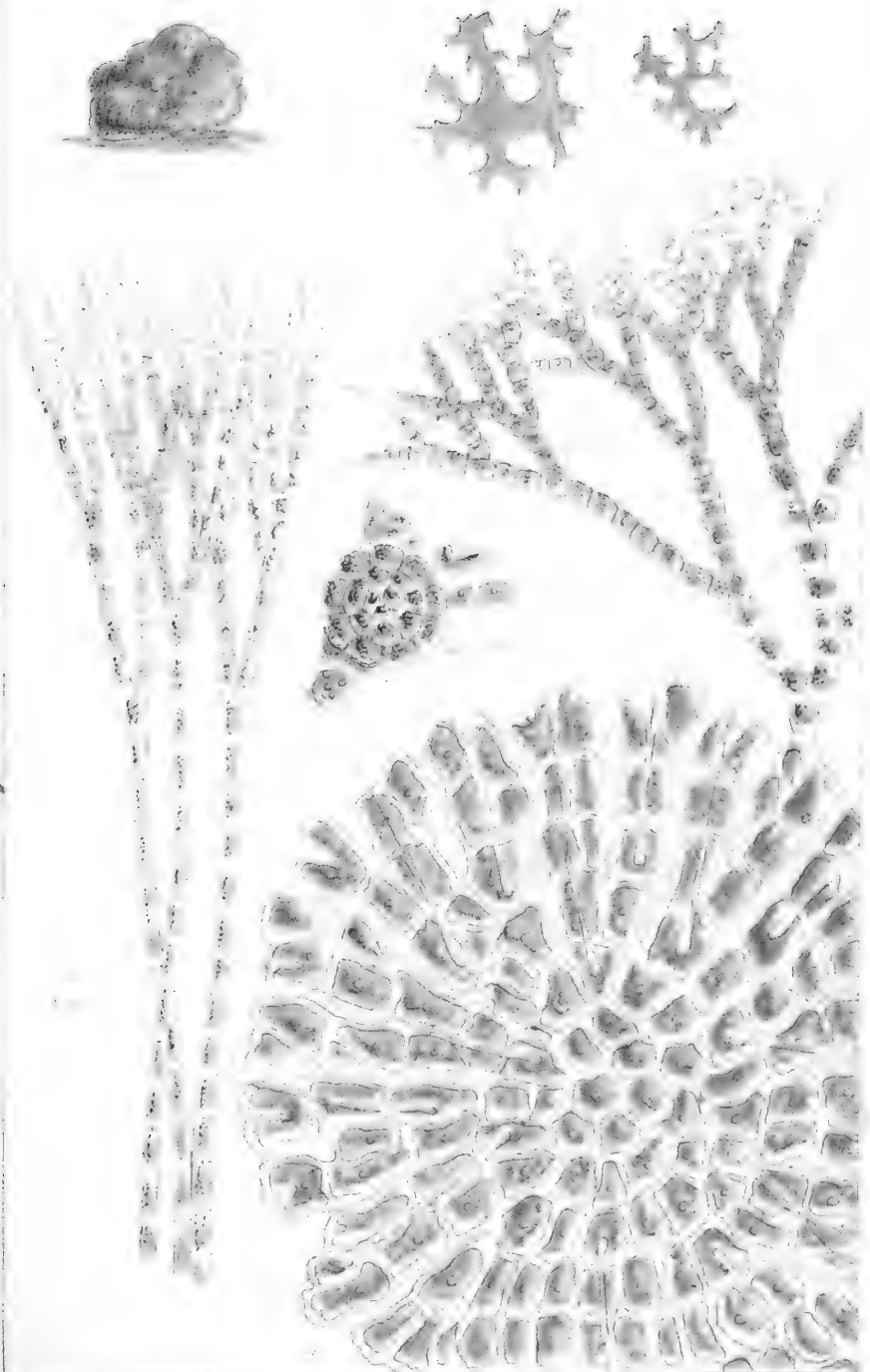




1. *Chaetophora pisiformis*. Ag.

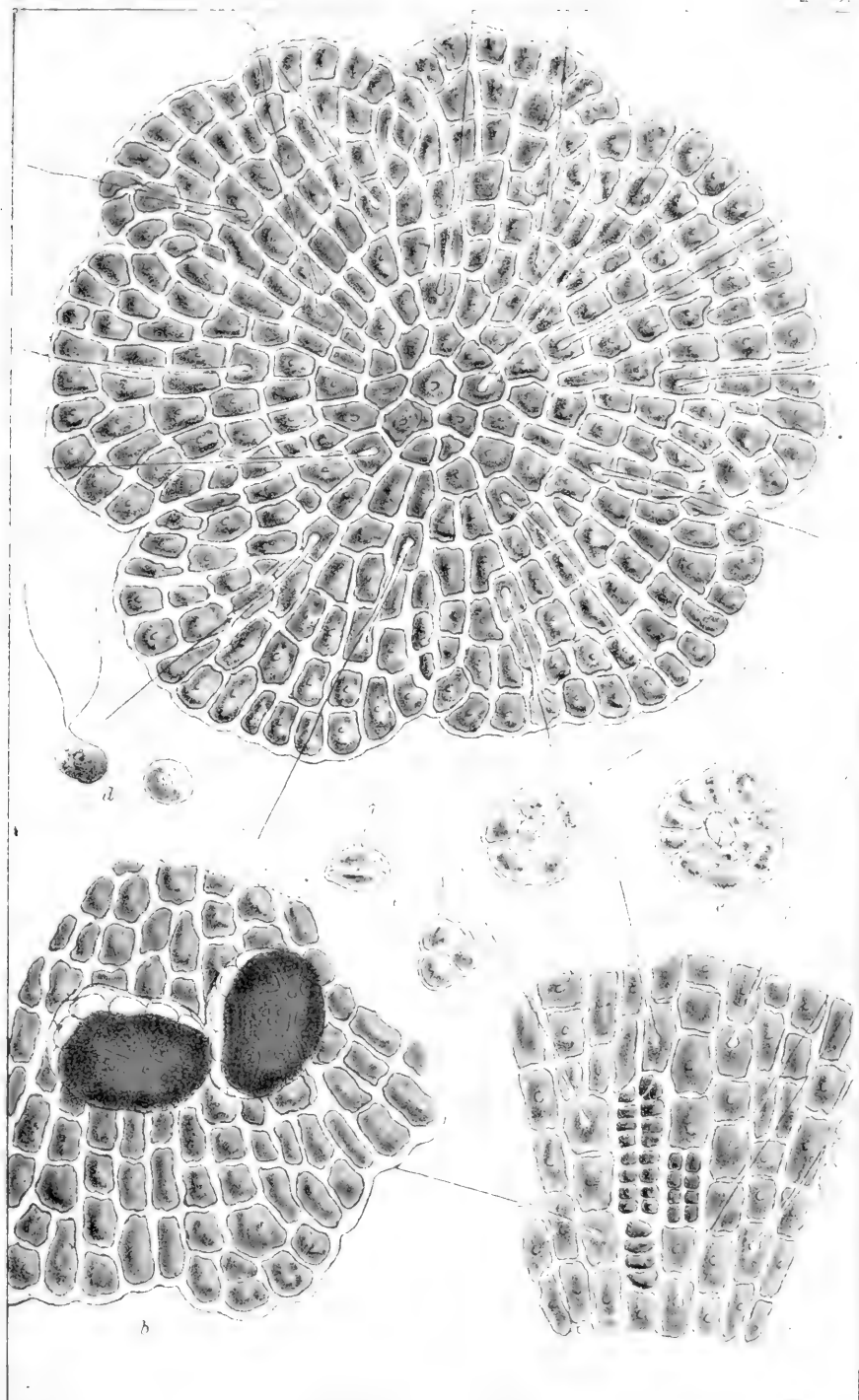
2 *Chaetophora elegans*. Ag





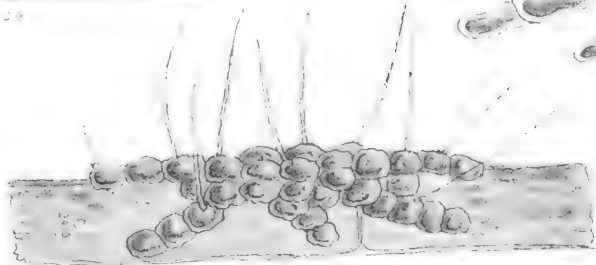
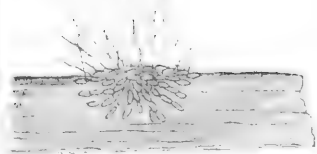
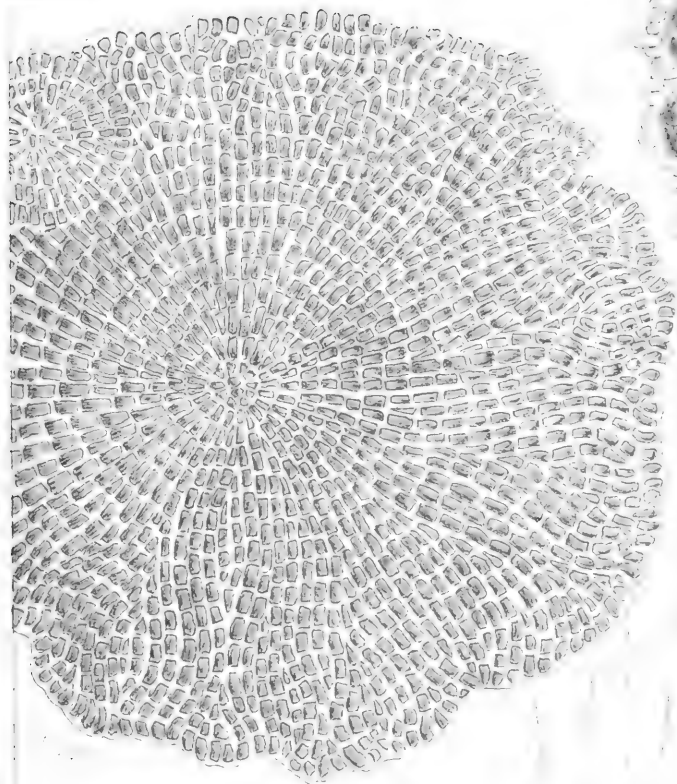
1. *Chætophora tuberculosa* Ag. 2. *Chætophora endivæfolia* Ag.
3. *Coleochæte soluta*, Prings.



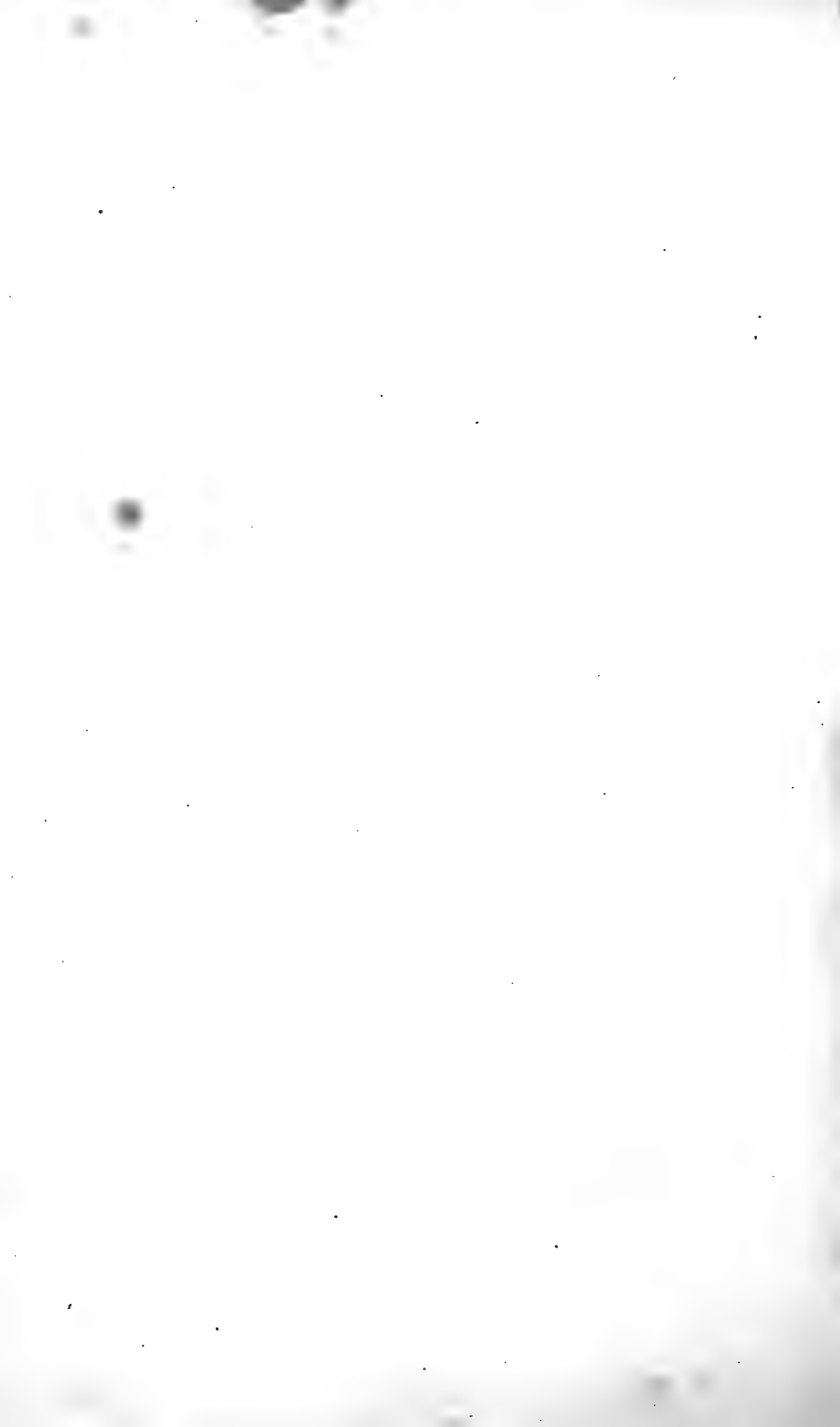


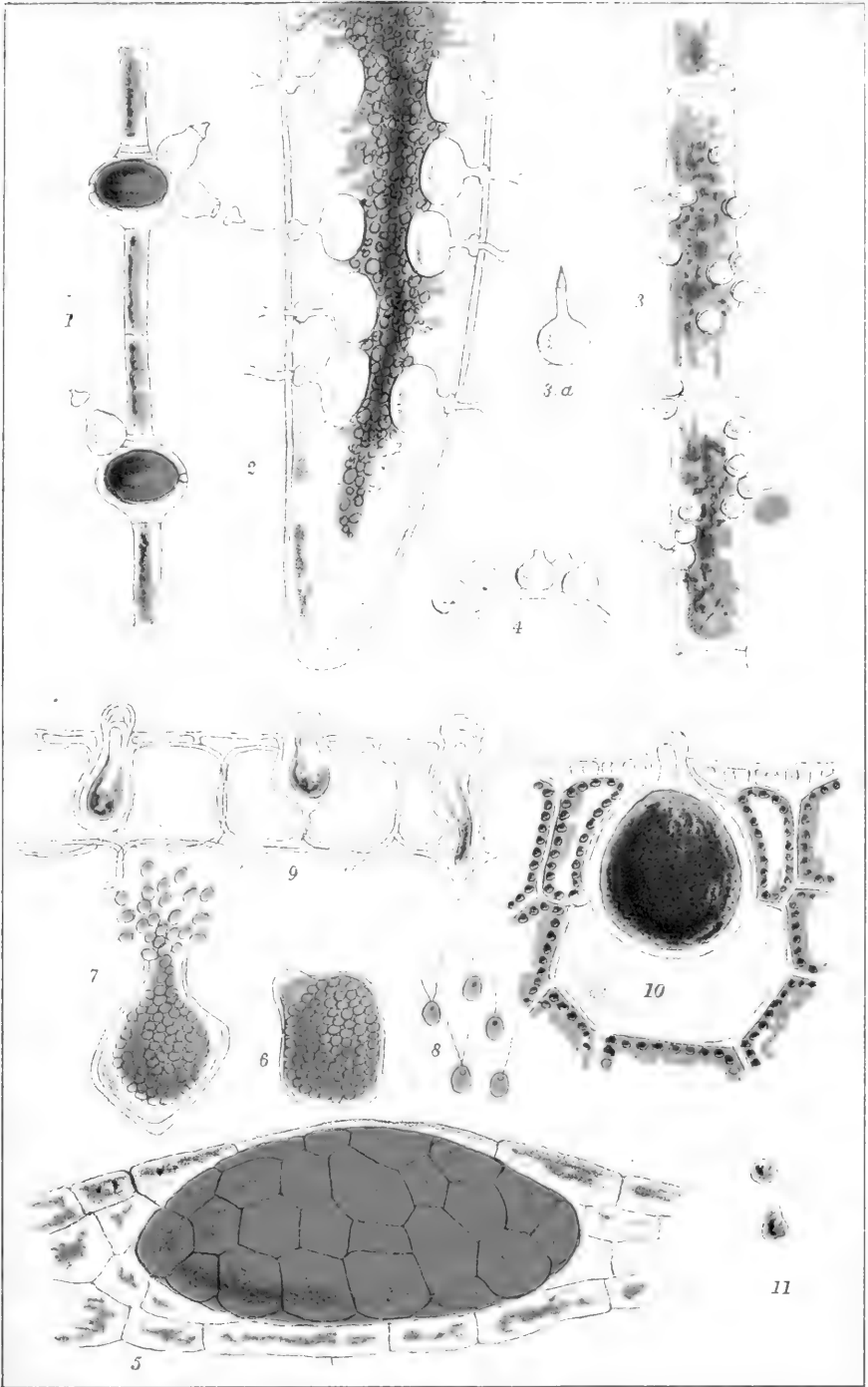
Coleochæte scutata. Breb.





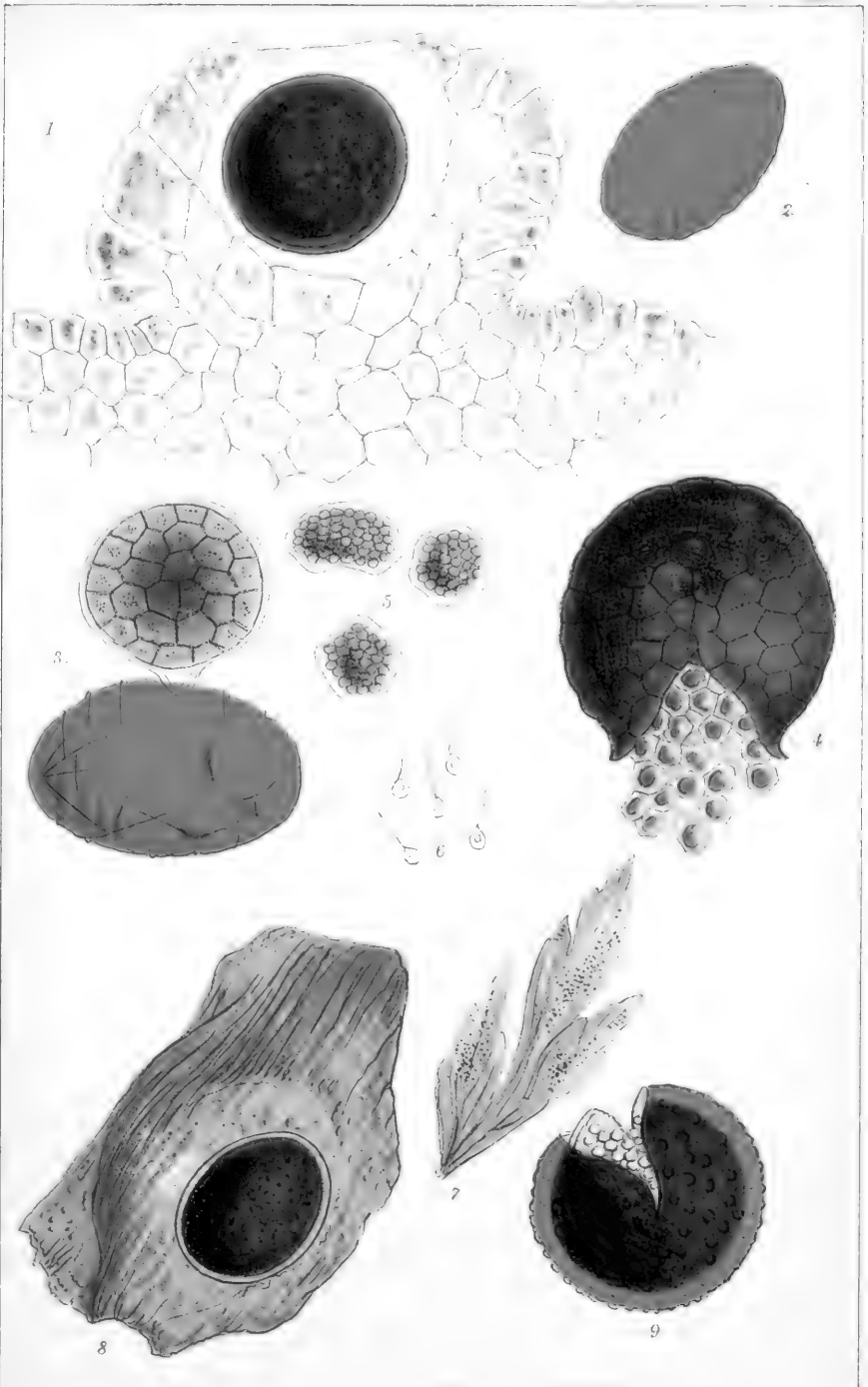
1. *Coleochaete orbicularis*. Prings. 2. *Aphanochaete hystrix*. Thw.
3. *Aphanochaete repens*. Br.





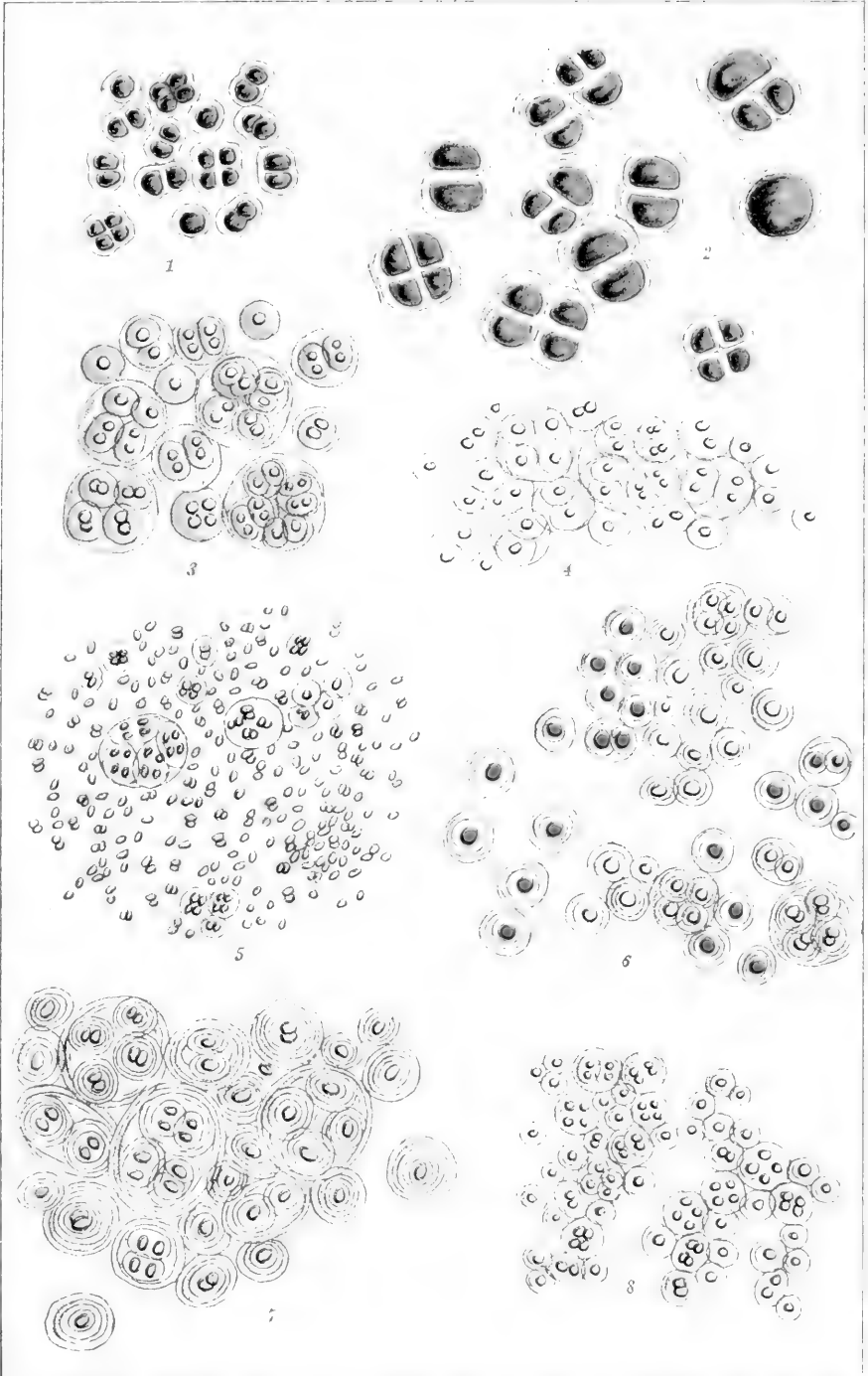
1. *Chytridium acuminatum*. 2. *Olpidium endogenum*. 3. *O. ampullaceum*. 4. allied species.
 5-8. *Synchronitrium Taraxaci*. 9-11. *Chlorochytrium Lemnæ*.





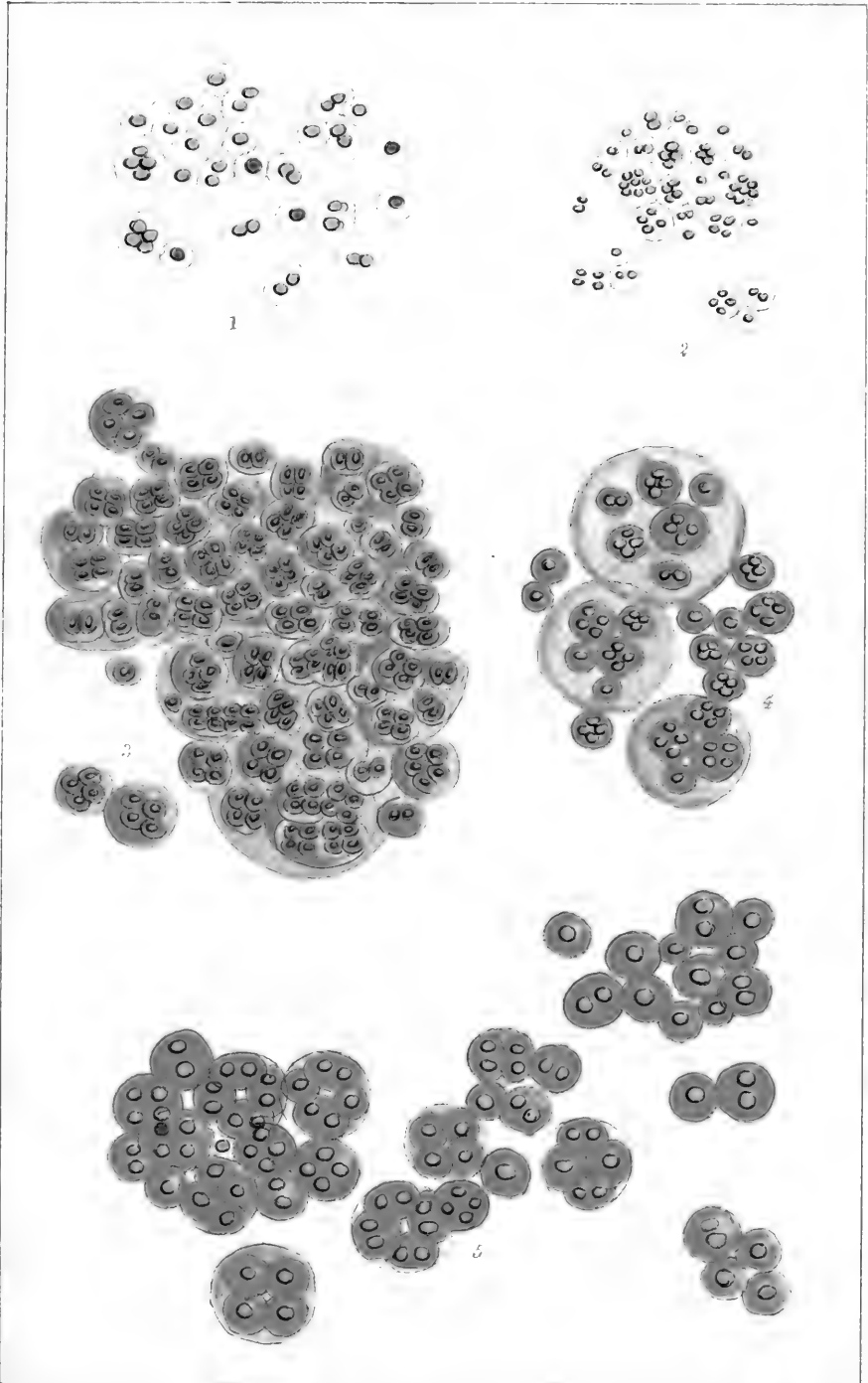
1-6. *Synchronitrium Mercurialis*. Fekl. 7-9. *Synchronitrium Anemones*. Wor.





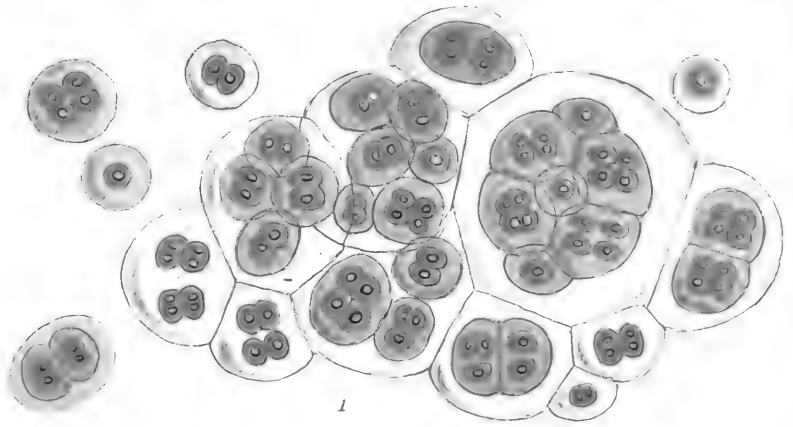
1. *Chroococcus coherens*. Nag. 2. *Chroococcus turgidus*. Nag. 3. *Gleocapsa coracina*. Kutz.
 4. *Gleocapsa atrata*. Rabh. 5. *Gleocapsa livida*. Kutz. 6. *Gleocapsa caldarium*. Rabh.
 7. *Gleocapsa polydermatica*. Kutz. 8. *Gleocapsa quaternata*. Breb.



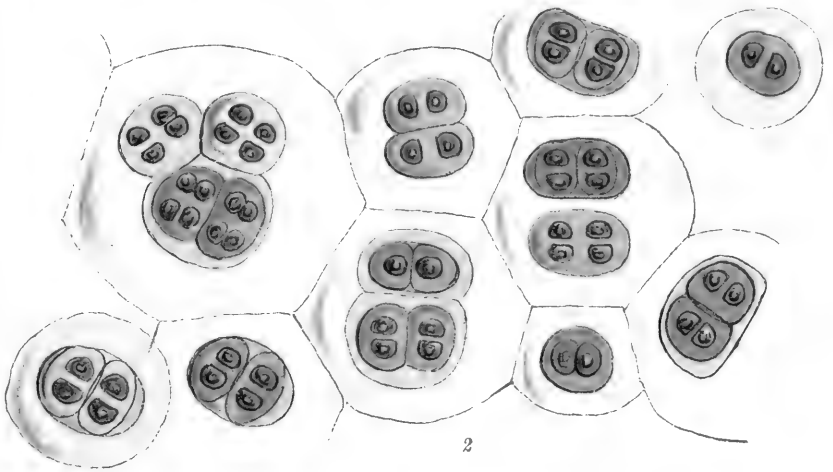


1. *Gloeocapsa arenaria*. Rabh. 2. *Gloeocapsa æruginosa*. Kutz. 3. *Gloeocapsa Magma*. Kutz.
 4. *Gloeocapsa rupicola*. Kutz. 5. *Gloeocapsa rupestris*. Kutz.

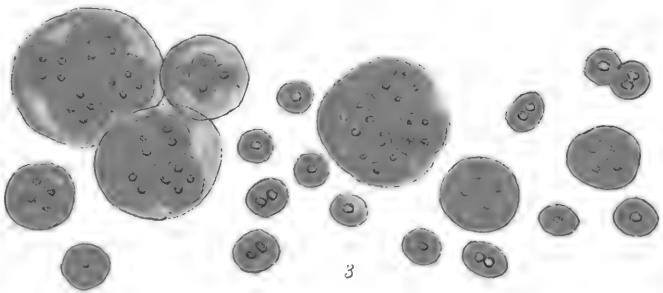




1

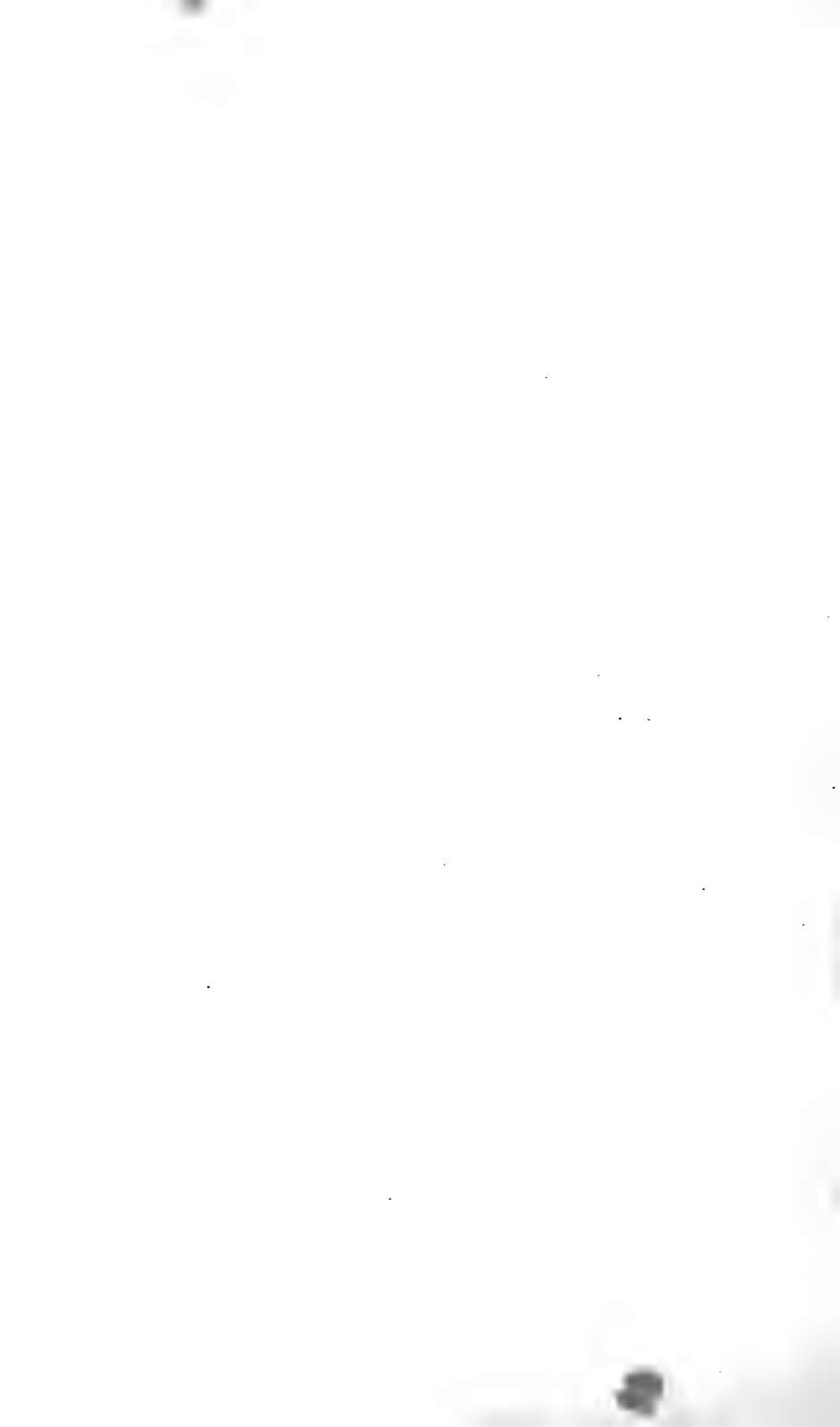


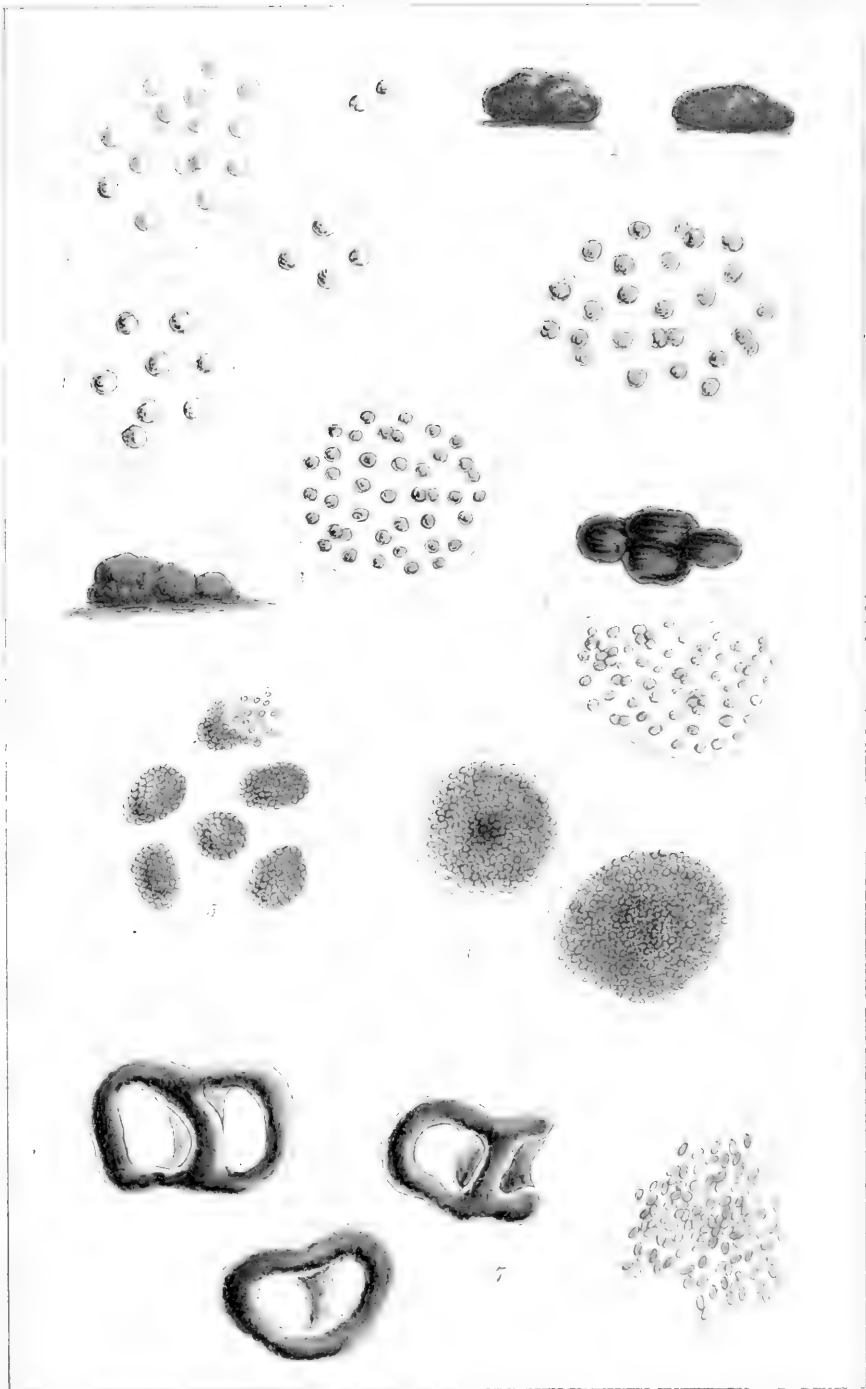
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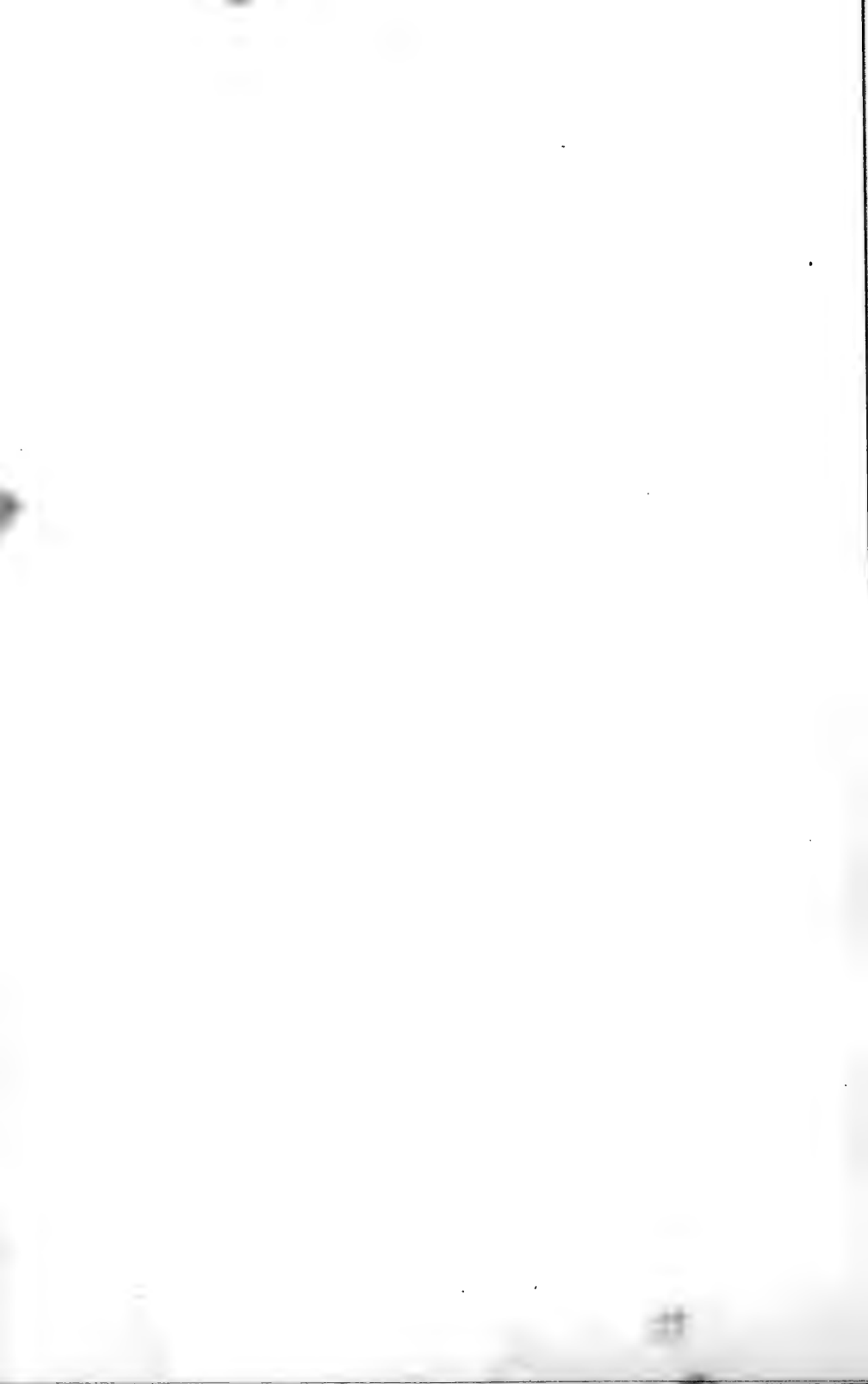
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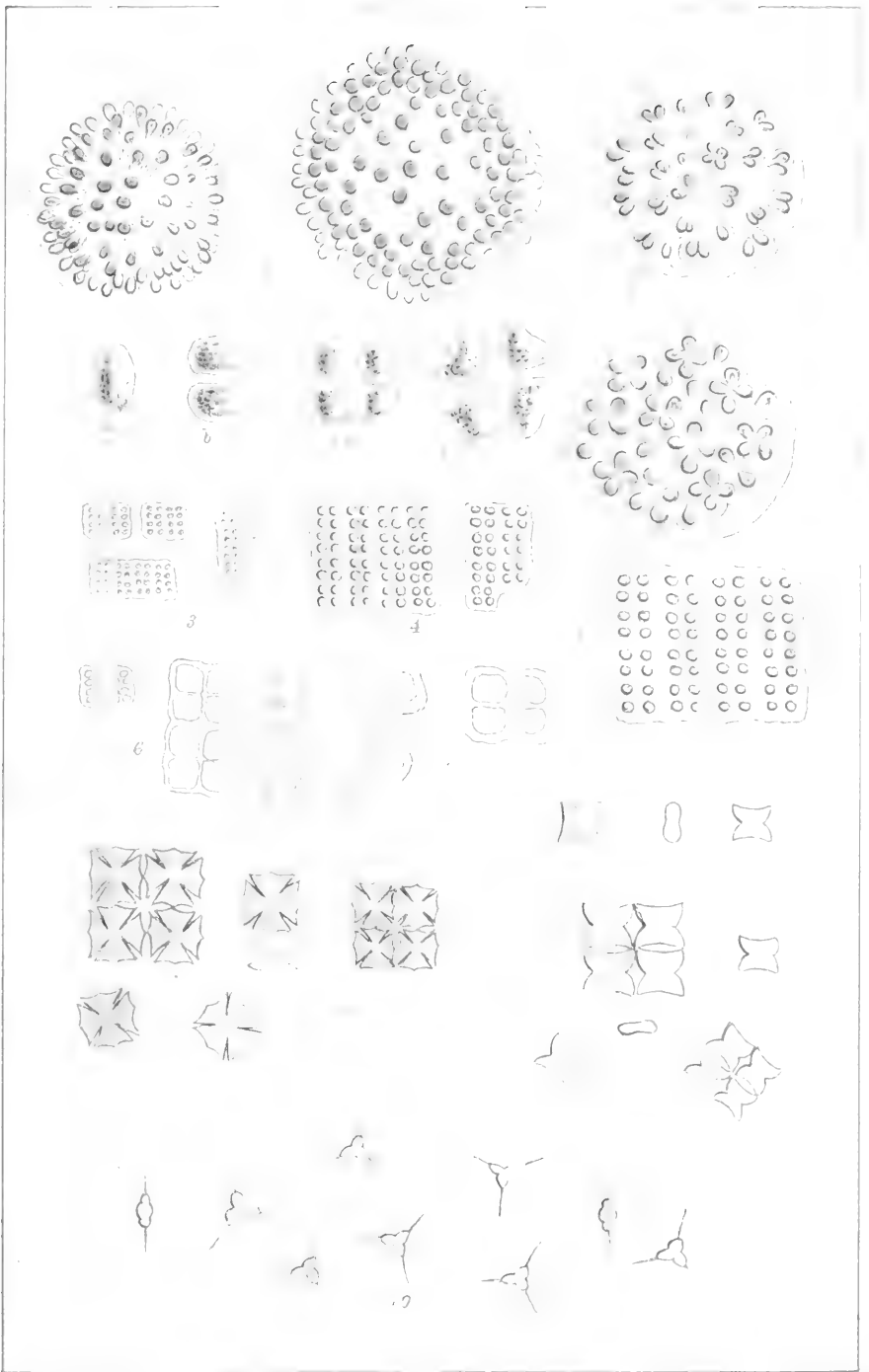
1. *Glæocapsa sanguinea*. Kutz. 2. *Glæocapsa Ralfsiana*. Kutz.
3. *Glæocapsa Shuttleworthiana*. Kutz.





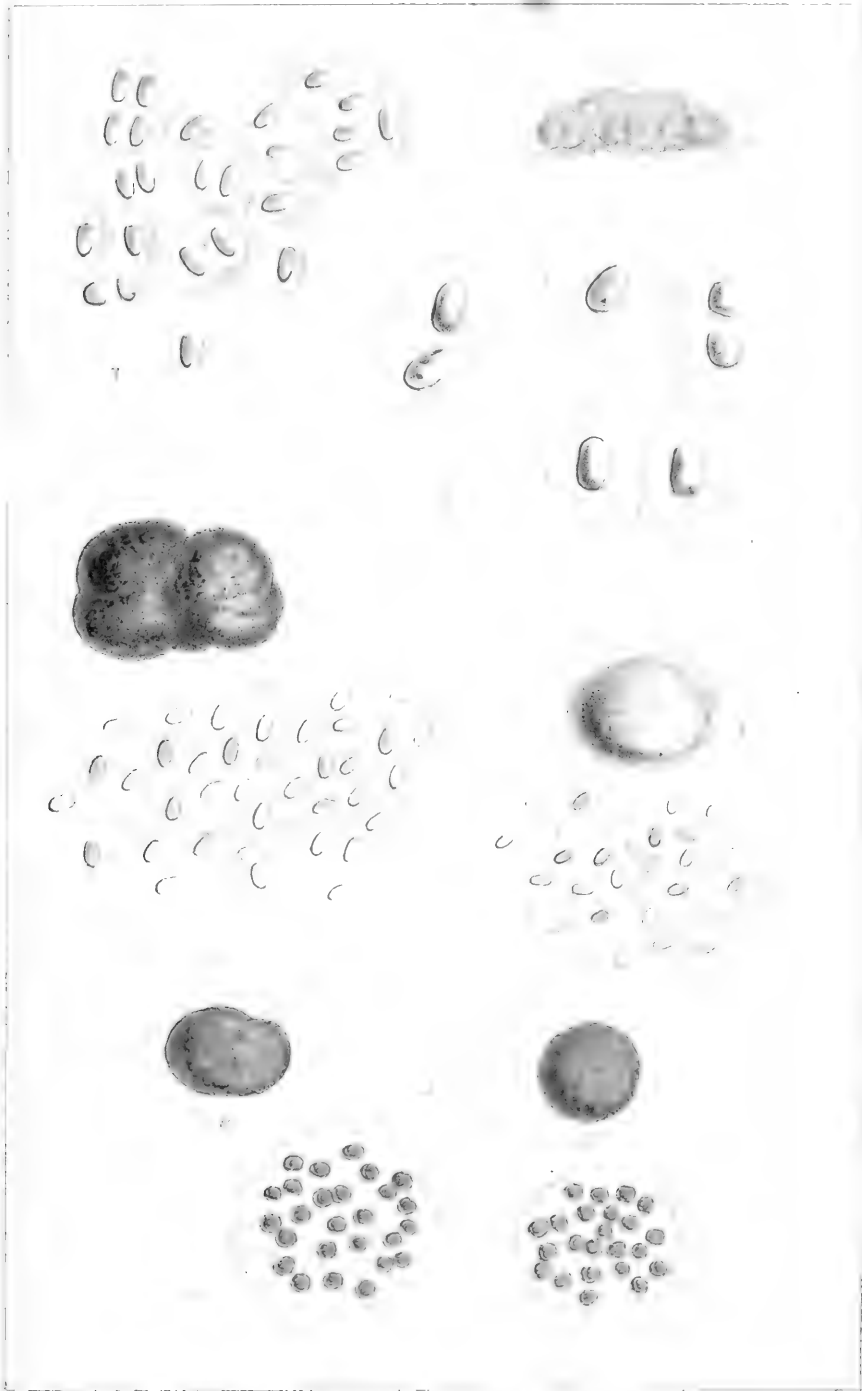
1. *Aphanocapsa virescens*. Rabh. 2. *Aphanocapsa rivularis*. Rabh. 3. *Aphanocapsa Grevillei*. Rabh.
 4. *Aphanocapsa depressa*. Rabh. 5. *Microcystis protogenita*. Rabh. 6. *Microcystis marginata*. Men.
 7. *Clathrocystis aruginosa*. Henfr.





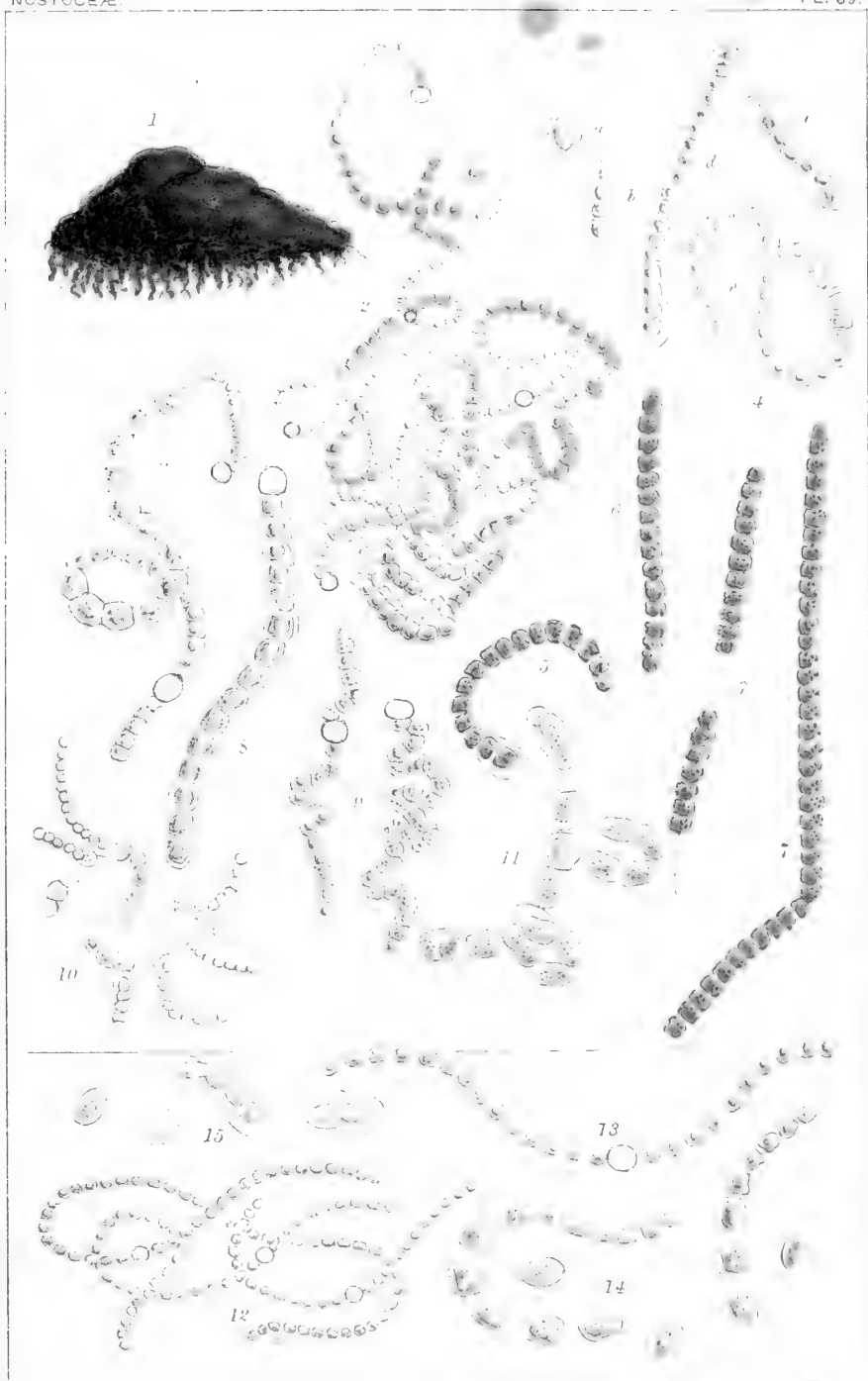
1. *Celosphaerium Katzingianum*, Nag. 2. *Gomphosphœva aponana*, Nag. 3. *Merismopedia violacea*, Nag. 4. *Merismopedia punctata*, Nag. 5. *M. punctata*, Mey. 6. *Merismopedia ventriculi*, Nag. 7. *M. venis*, Nag. 8. *Tetrapedia Cruz-Michelii*, R. 9. *Tetrapedia Reinschiana*, Nag. 10. *Tetrapedia setigera*, Ar.





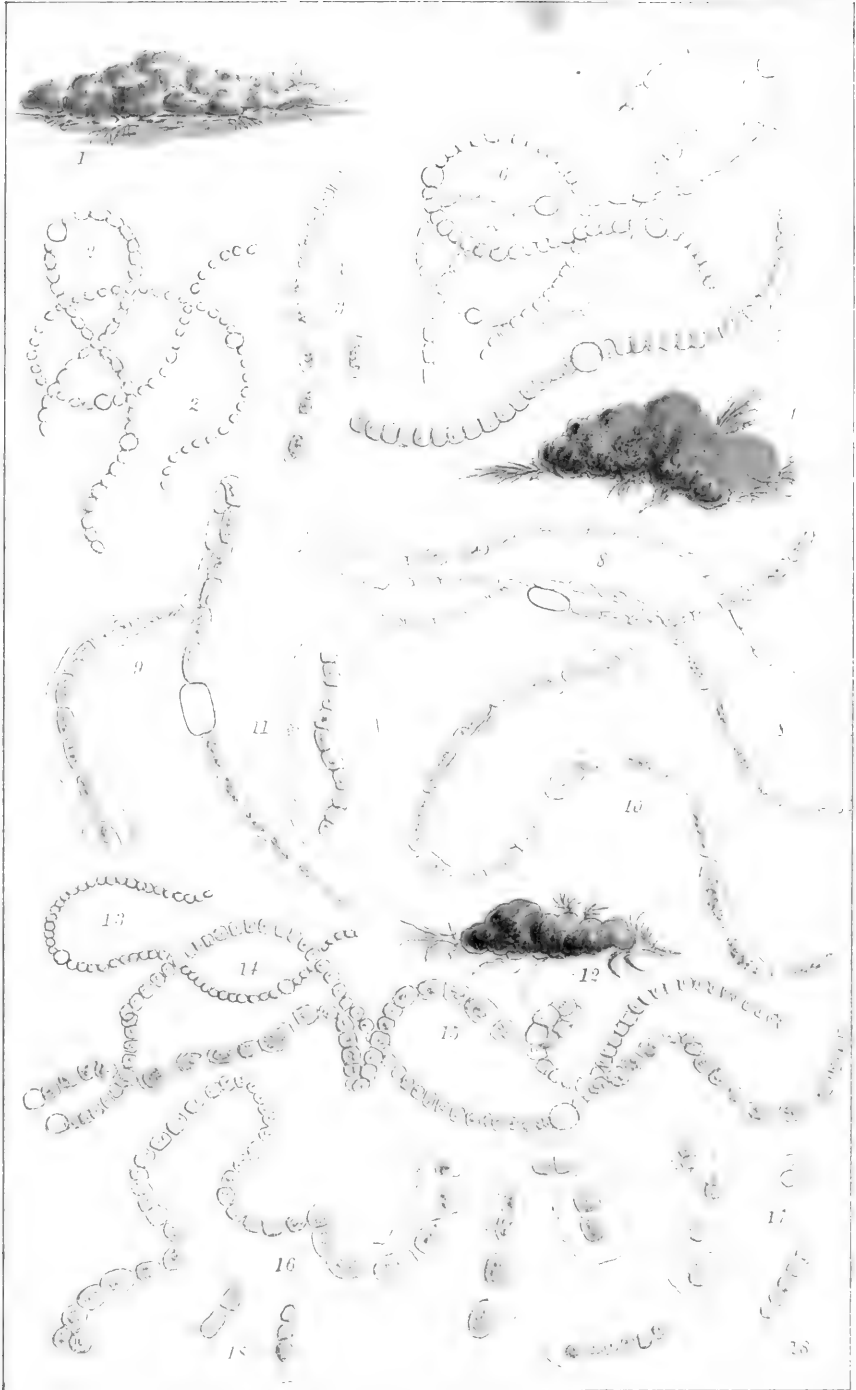
1. *Gloiosphaera* ... 4. *Aphanothece stagnina*. Br. 5. *Homalococcus Hassallii*. Kutz.





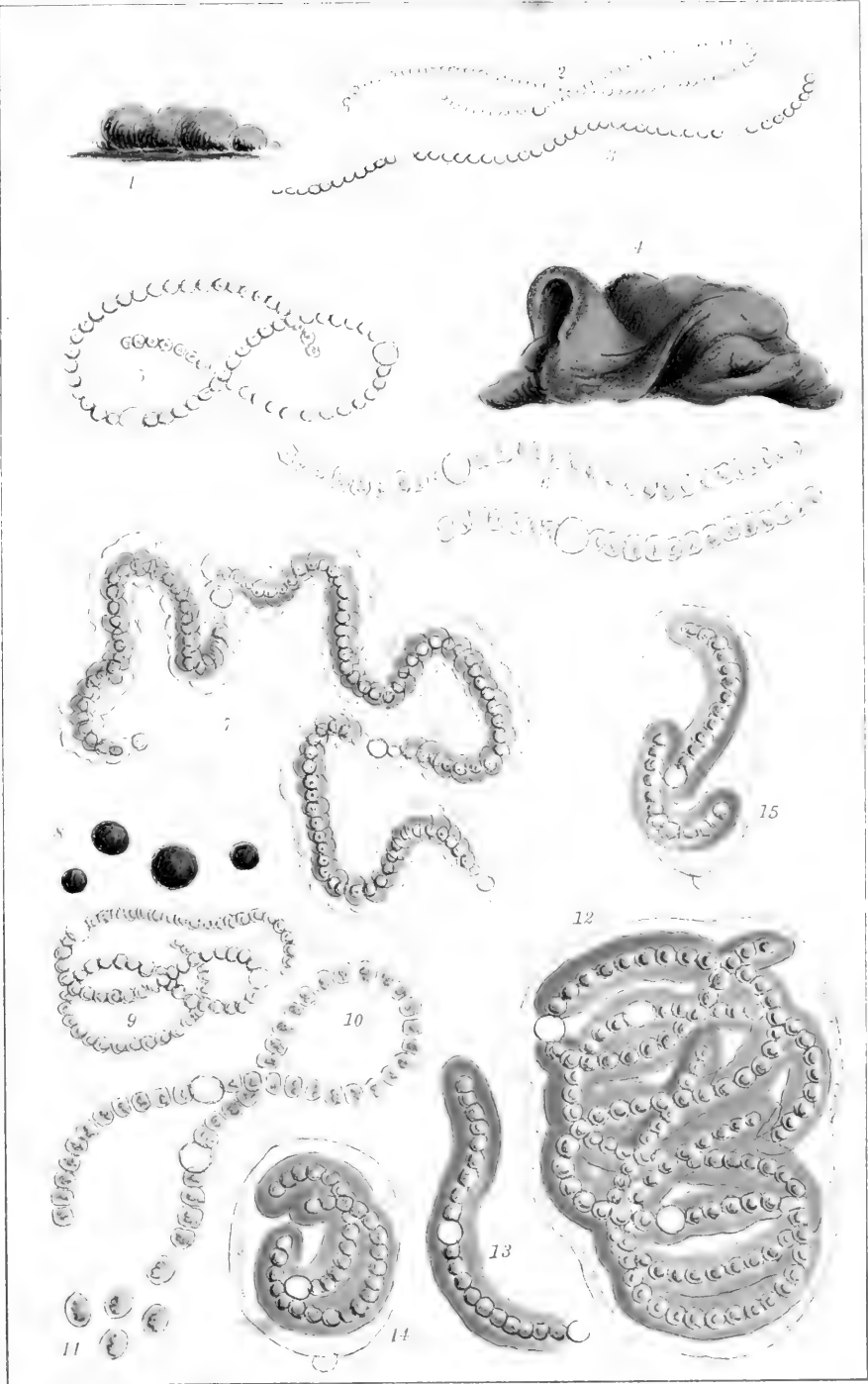
1—11. *Nostoc Lincxia*. Born. 12—15. *Nostoc piscinale*. Kutz.





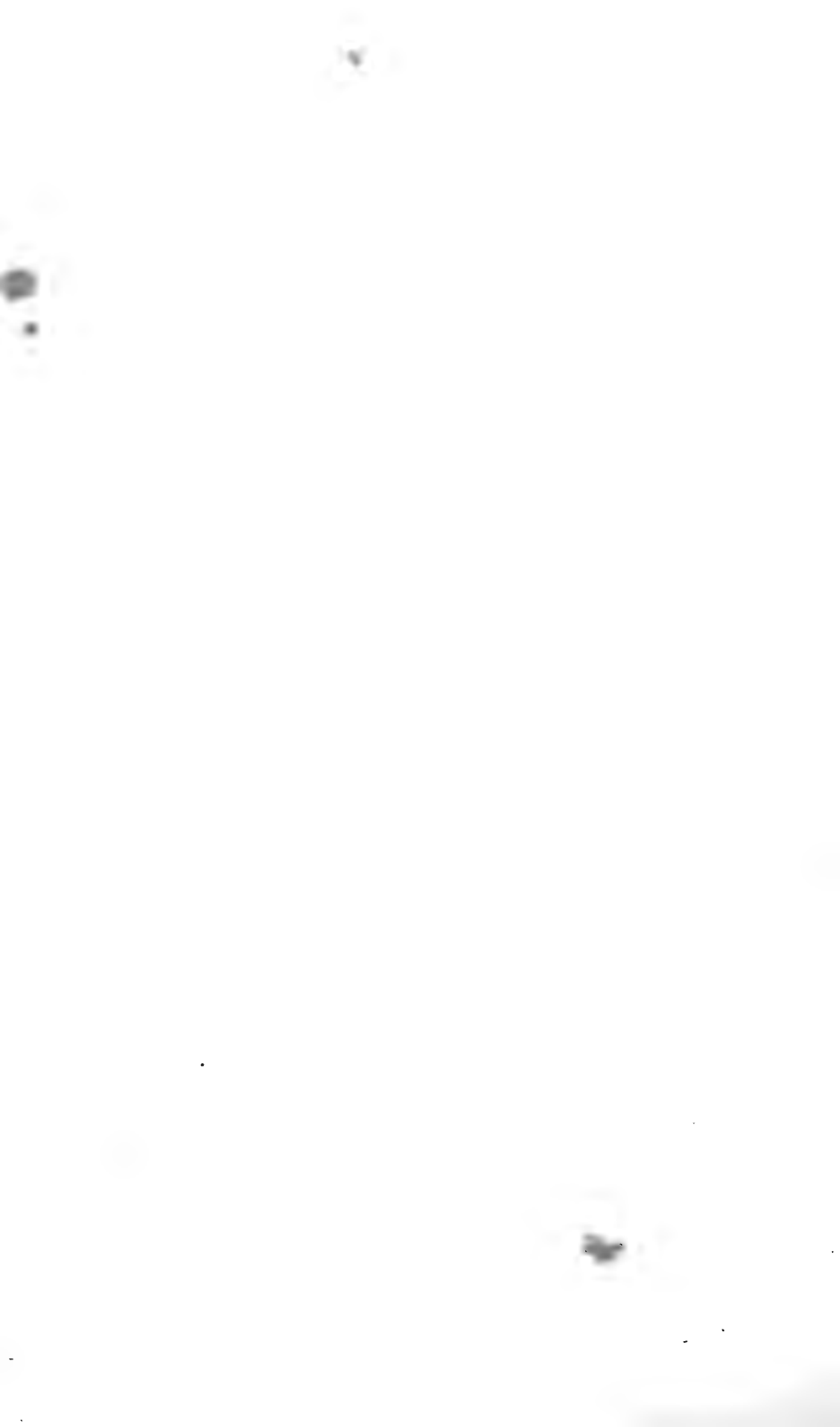
1-3. *Nostoc carneum*. Ag. 4-7. *Nostoc spongiiforme*. Ag.
 8-11. *Nostoc ellipsostrum*. Desm. 12-18. *Nostoc muscorum*. Ag.

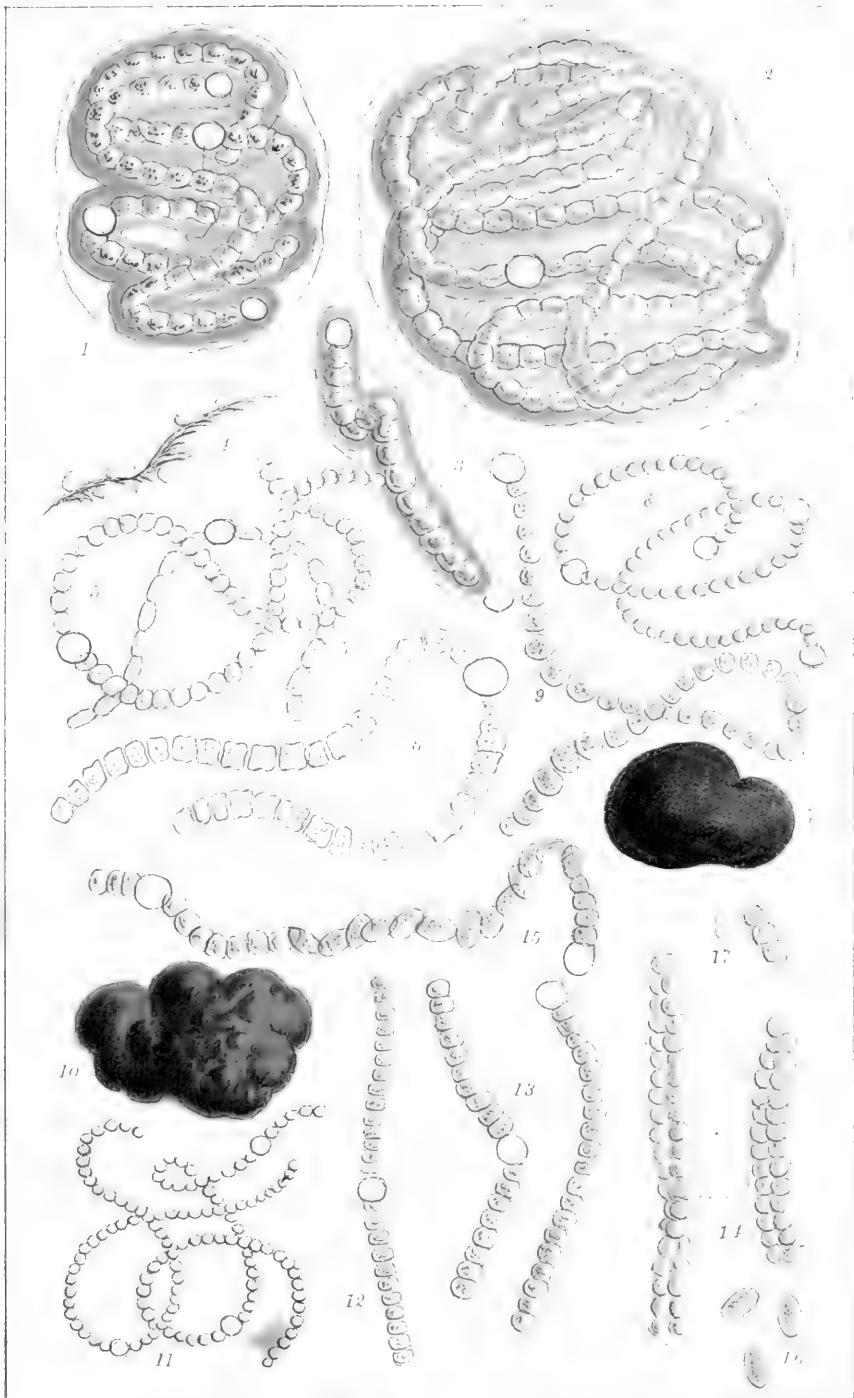




1-3. *Nostoc humifusum*. Carm.
 8-11. *Nostoc sphaericum*. Vauch.

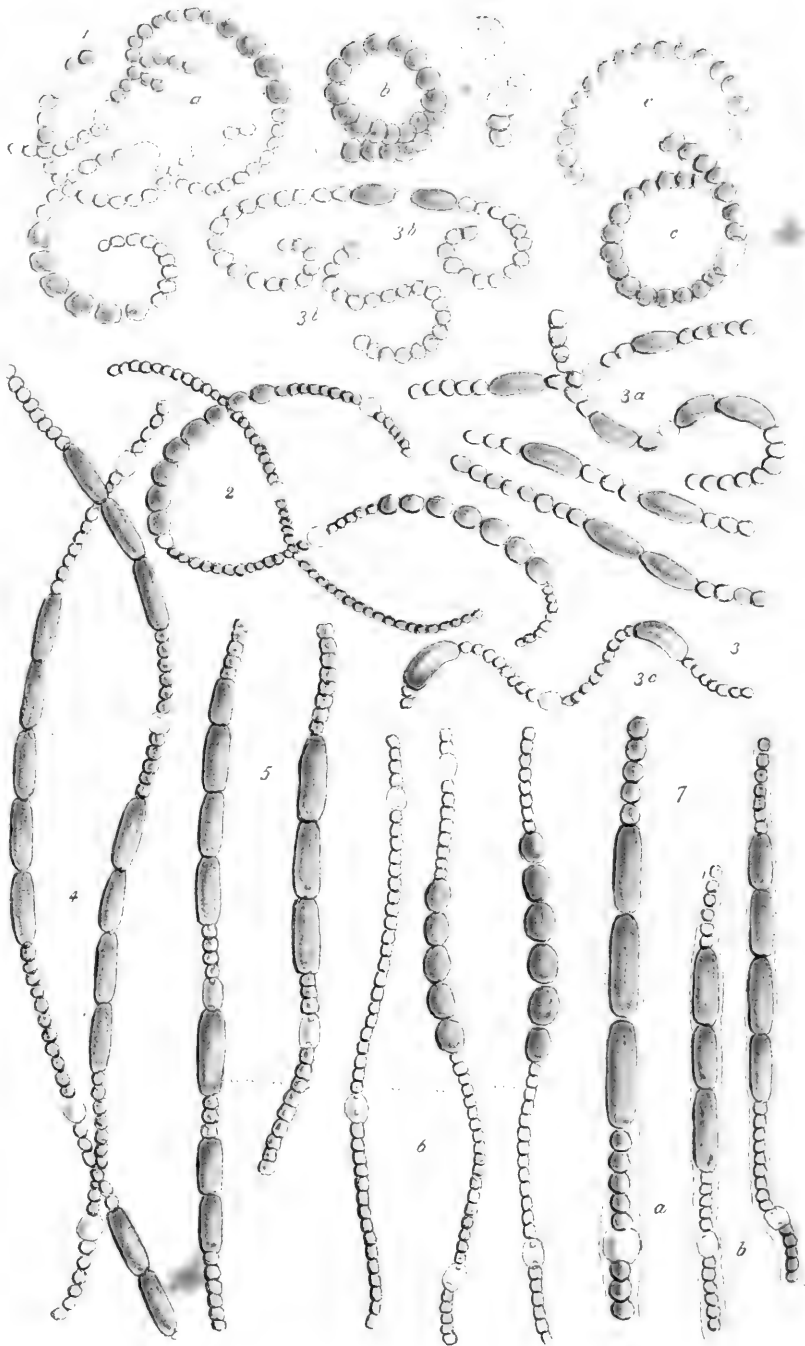
4-7. *Nostoc commune*. Vauch.
 12-15. *Nostoc rupestre*. Kutz.





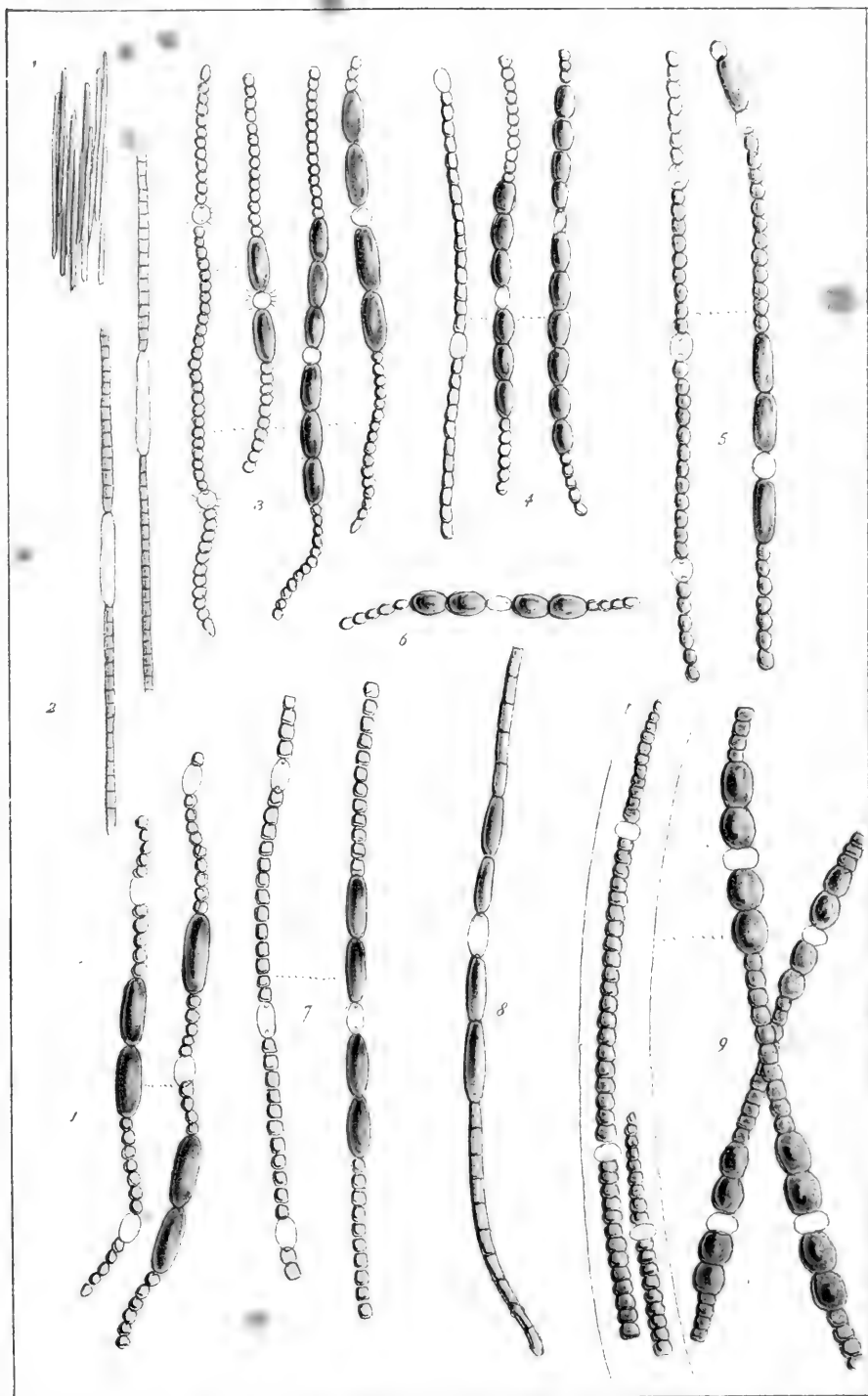
1—3. *Nostoc macrosporum*. Men. 4—6. *Nostoc ceruleum*. Lyngb.
 7—9. *Nostoc pruniforme*. Ag. 10—17. *Nostoc verrucosum*. Vauch.





1. *Anabaena flos-aquæ*. Fr. 2. *Anabaena variabilis*. K. 3. *Anabaena Hassallii*. N. & W.
 4. *Anabaena inaequalis*. (Ralfs.) 5. *Anabaena Thwaitesii*. (Ralfs.) 6. *Anabaena oscillarioides*. (Bory.)
 7. *Anabaena Smithii*. (Ralfs.)



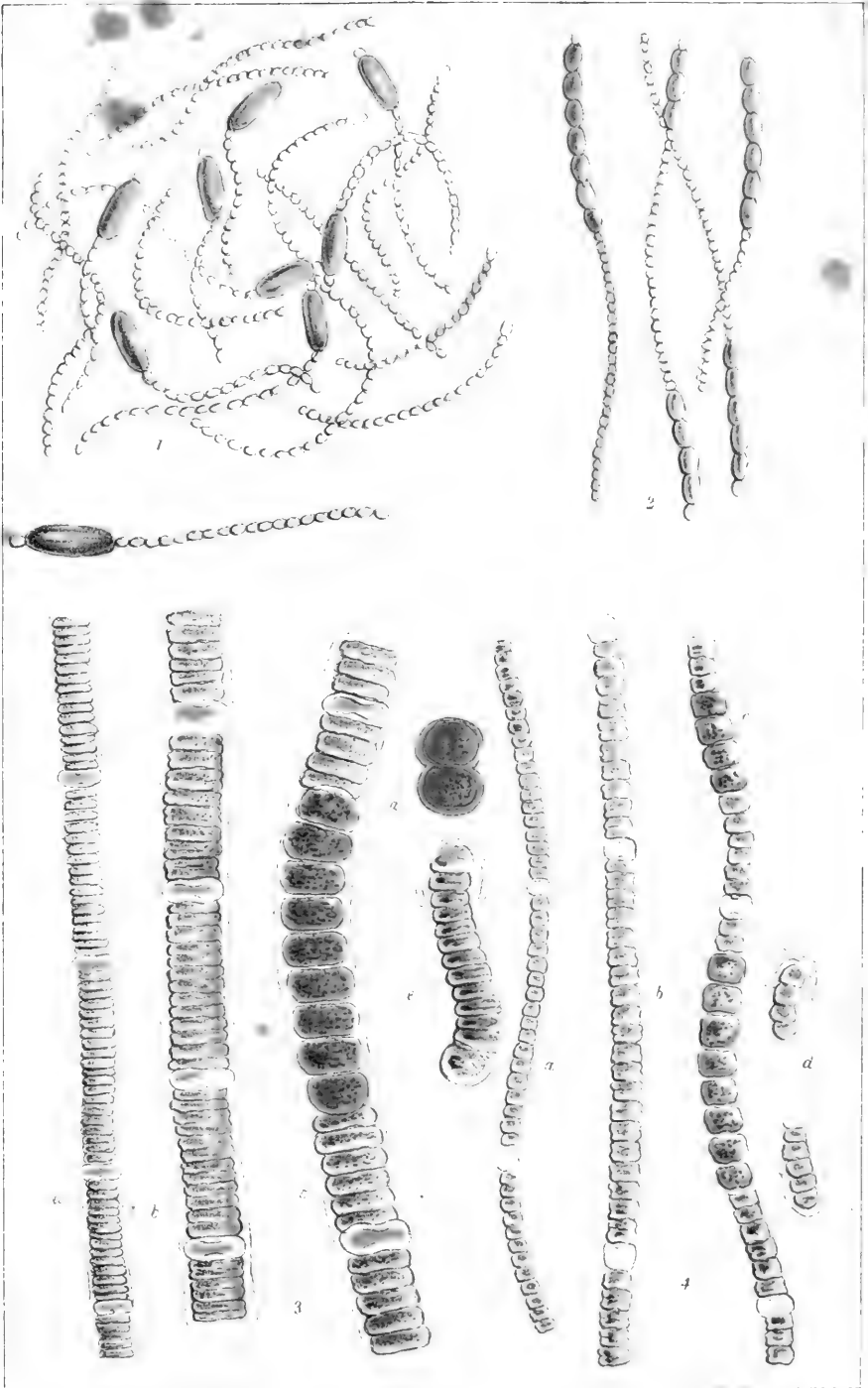


1. *Anabaena Ralfsii*. (Kütz.) 2. *Aphanizomenon flos-aquae*. Morr. 3. *Sphærozyga Carmichaelii*. Harv.

4. *Sphærozyga Broomei*. (Thur.) 5. *Sphærozyga Jacobi*. Ralfs. 6. *Sphærozyga Mooreana*. Ralfs.

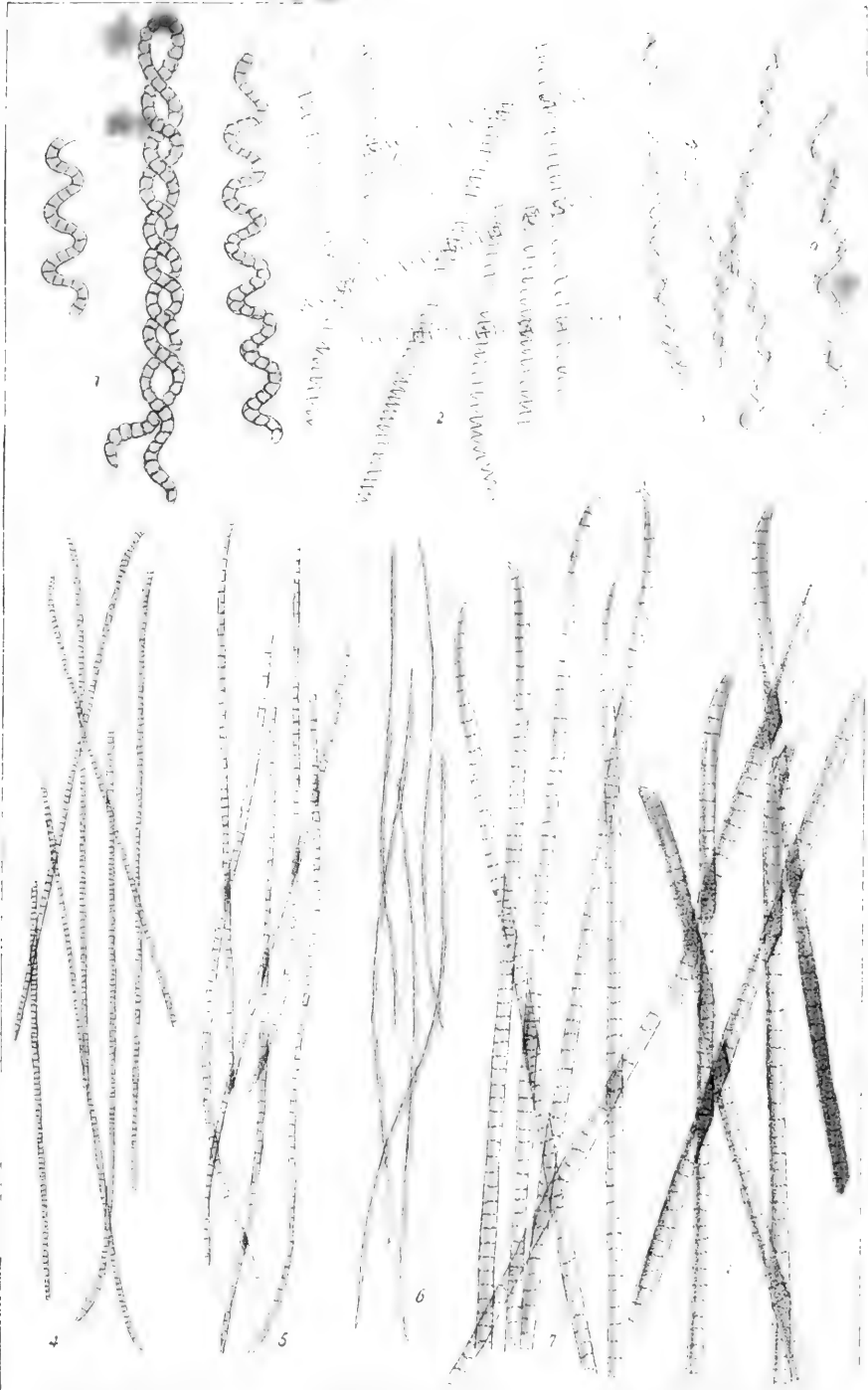
7. *Sphærozyga elastica*. (Ralfs.) 8. *Sphærozyga leptosperma*. Ralfs. 9. *Sphærozyga Berkeleyana*. Thwaites.





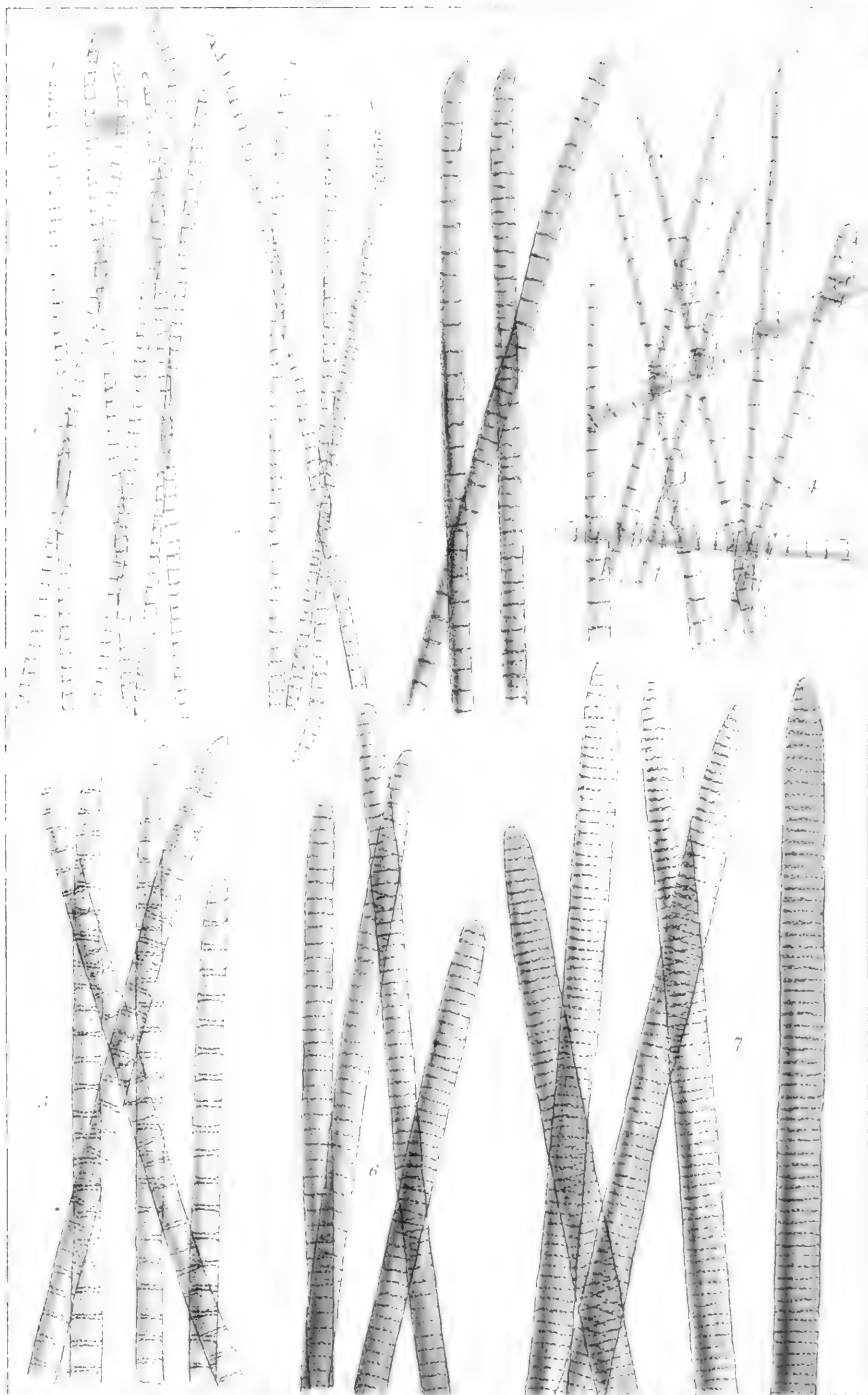
1. *Cylindrospermum macrospermum*, Desm. 2. *Cylindrospermum catenatum*, Ralfs.
 3. *Nodularia litorea*, Thur. 4. *Nodularia Harveyana*, Thur.





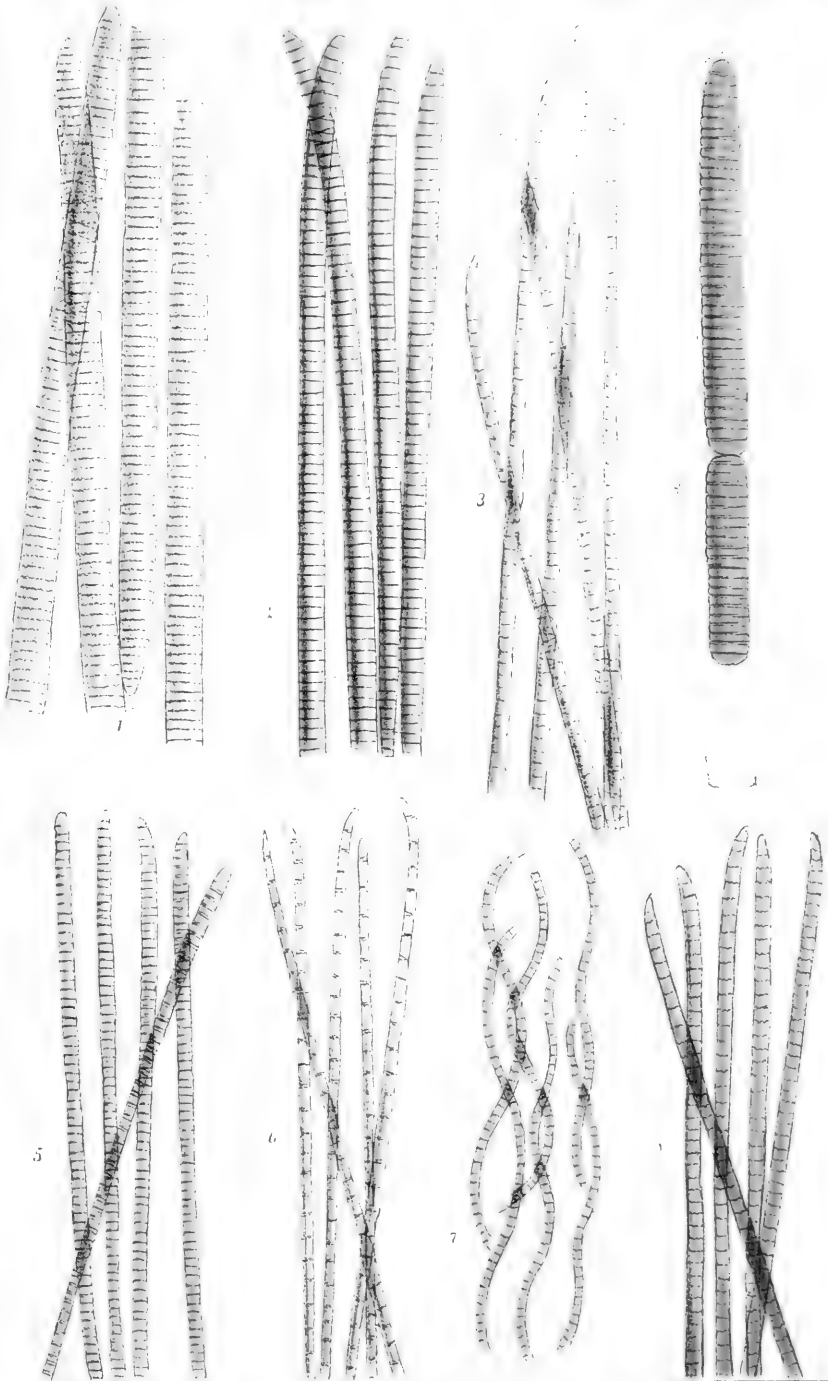
1. *Spirulina Jenneri*, K. 2. *Spirulina tenuissima*, K. 3. *Spirulina oscillarioides*, Turp.
 4. *Oscillaria tenerrima*, K. 5. *O. leptotricha*, K. 6. *O. splendida*, Grev.
 7. *O. subfusca*, Vauch. 8. *O. tenuis*, Ag.





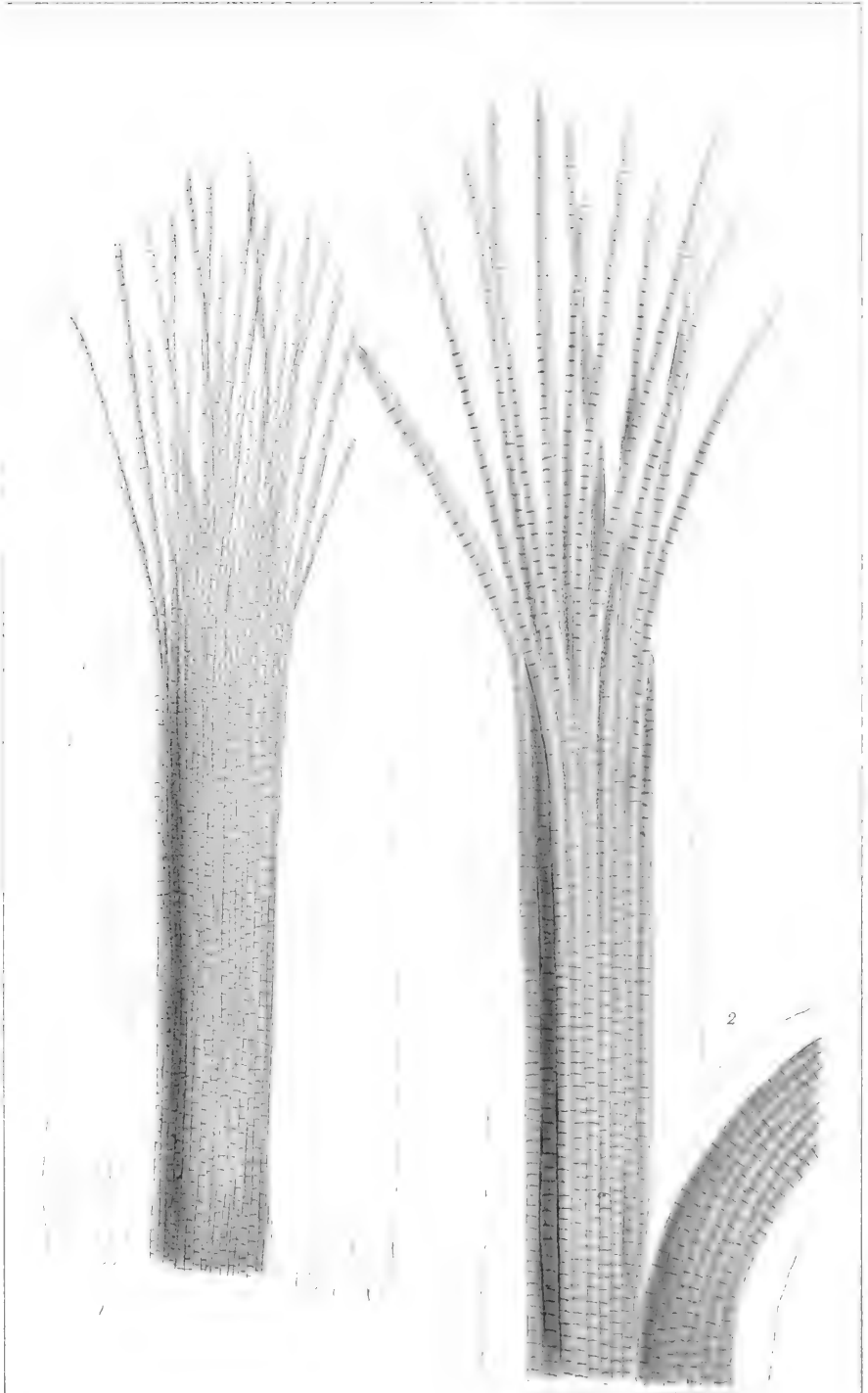
1. *Oscillatoria tenuis*, var. *viridis*. 2. *O. antharva*, Jurg. 3. *O. limosa*, Ag.
 4. *O. limosa*, var. *cladybea*, K. 5. *O. irrigua*, K. 6. *O. nigra*, Vauch.
 7. *O. Frolichii*, Kutz.



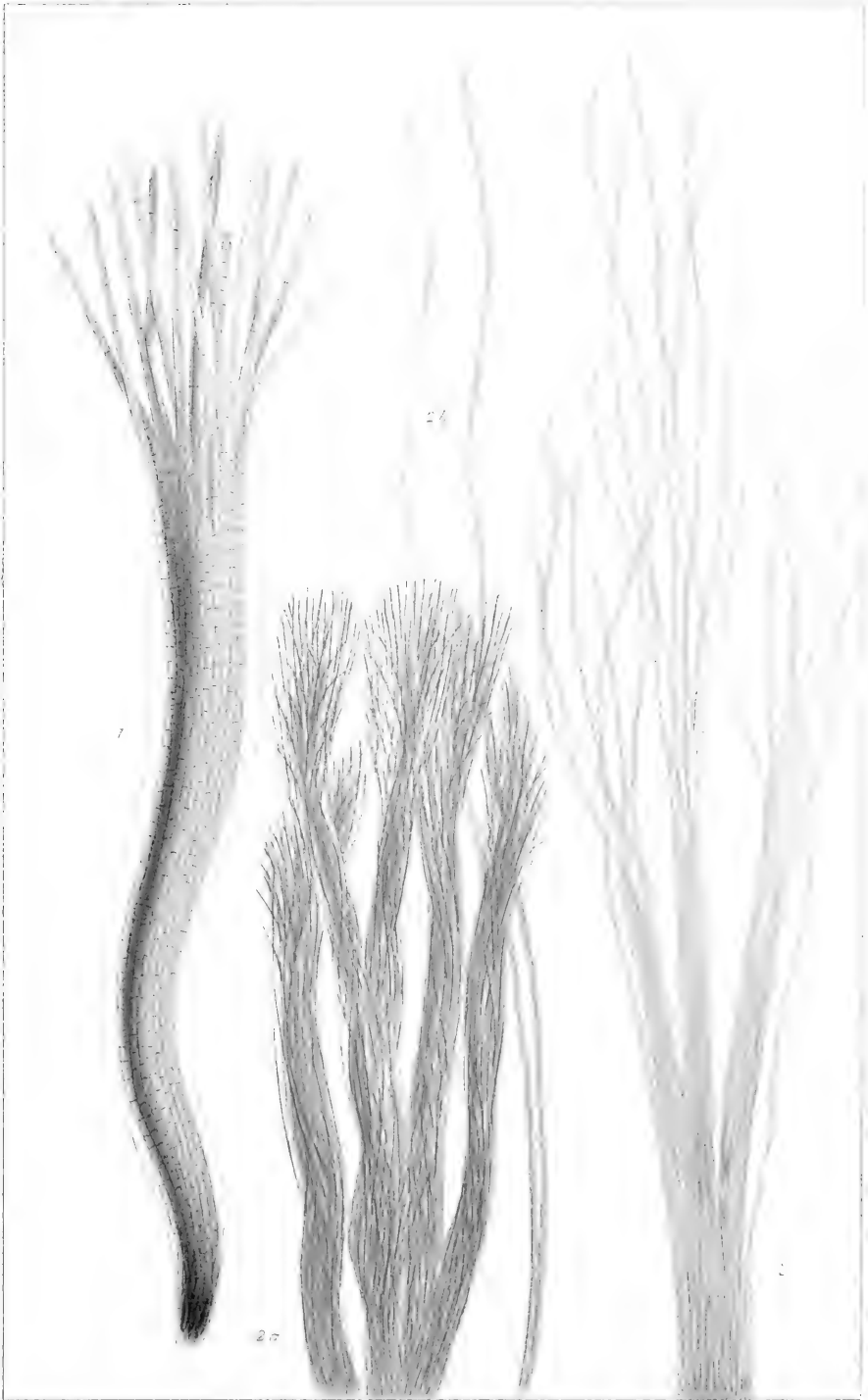


1. *Oscillaria chalybea*, Mert. 2. *O. nigro-viridis*, Harv. 3. *O. subuliformis*, Harv.
 4. *O. insignis*, Harv. 5. *O. arugescens*, Drum. 6. *O. violacea*, Johnston.
 7. *O. spiralis*, Carm. 8. *O. muscorum*, Carm.

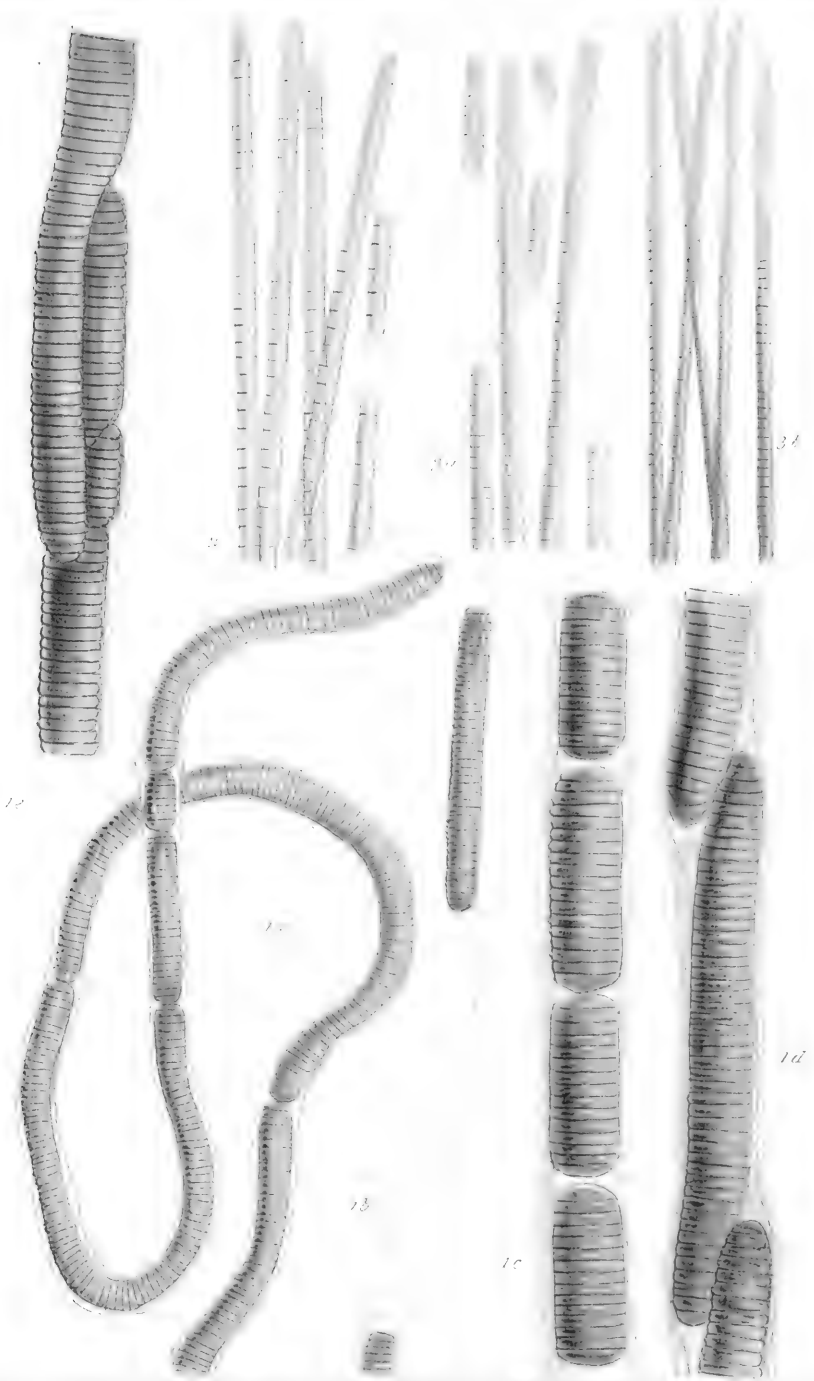




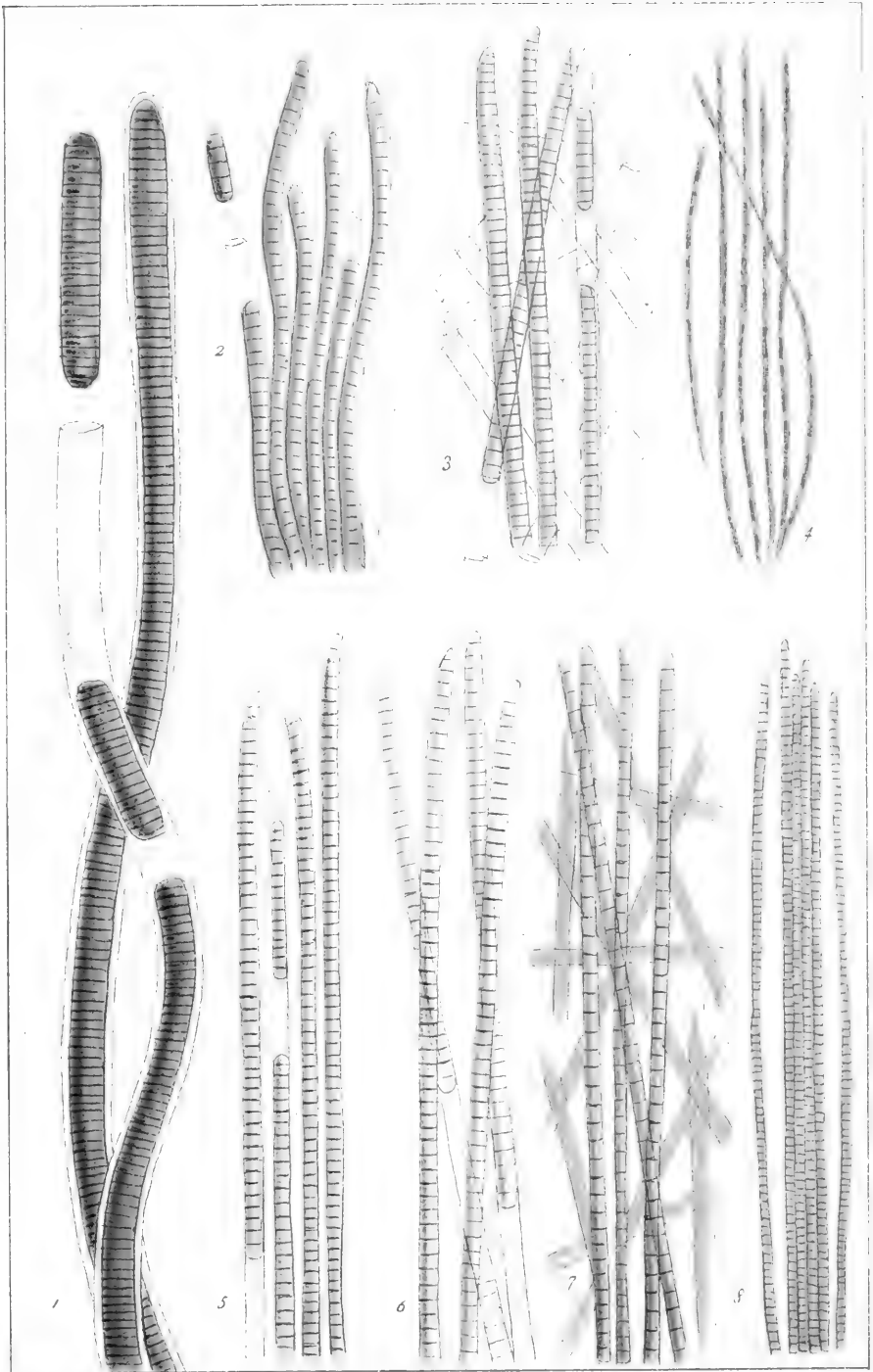
1. *Microcoleus gracilis*. Hass. 2. *Microcoleus terrestris*. Desm.



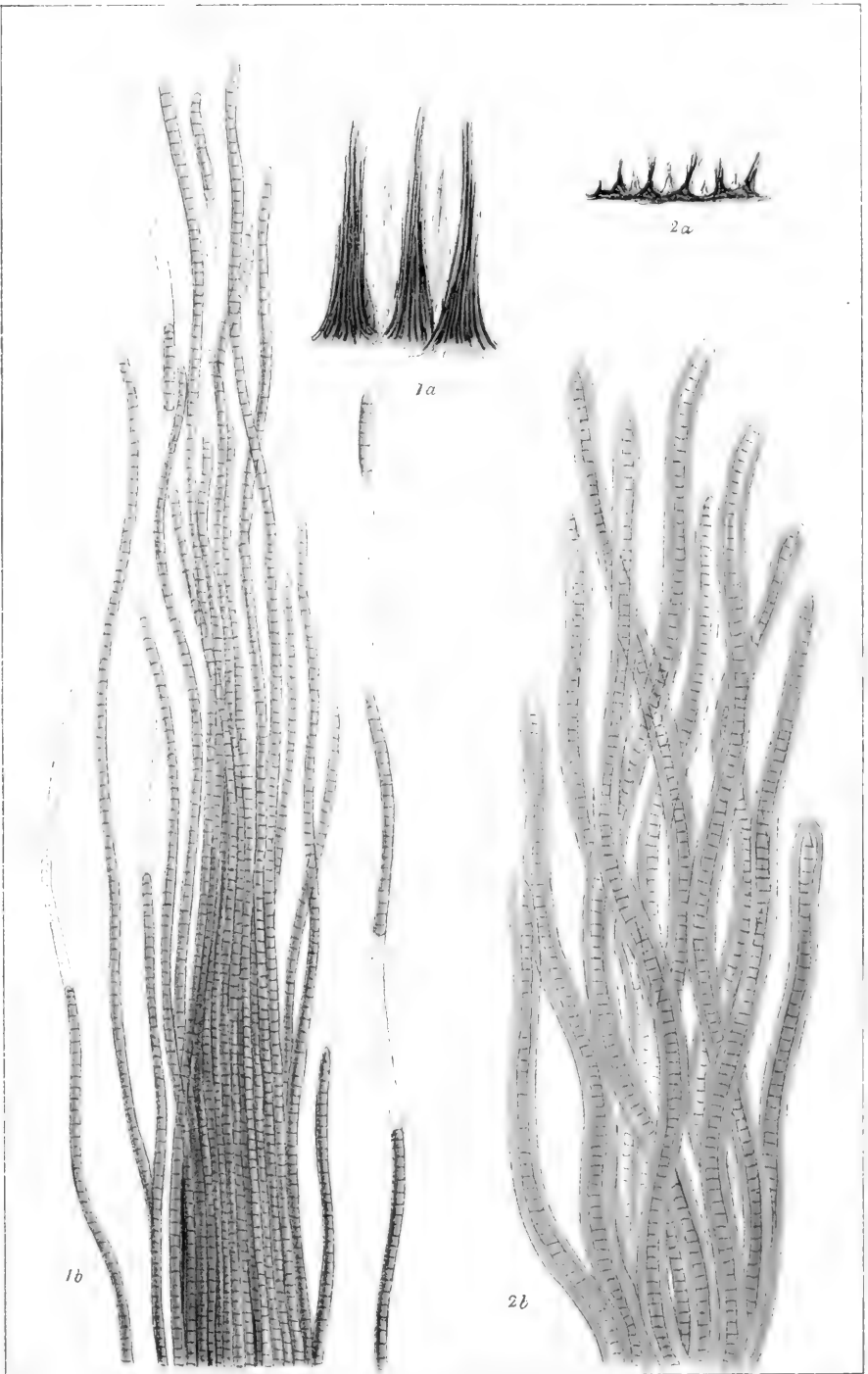
1. *Microcoleus chthonoplastes*. Thur. 2. *Inactis Cresswelli*. Thur.
3. *Inactis tinctoria*. Thur.



1. *Lyngbya æstuarü.* Lieb. 2. *Lyngbya rupestris.* Ag.
 3. a. b. *Lyngbya subfusca.* Ag.

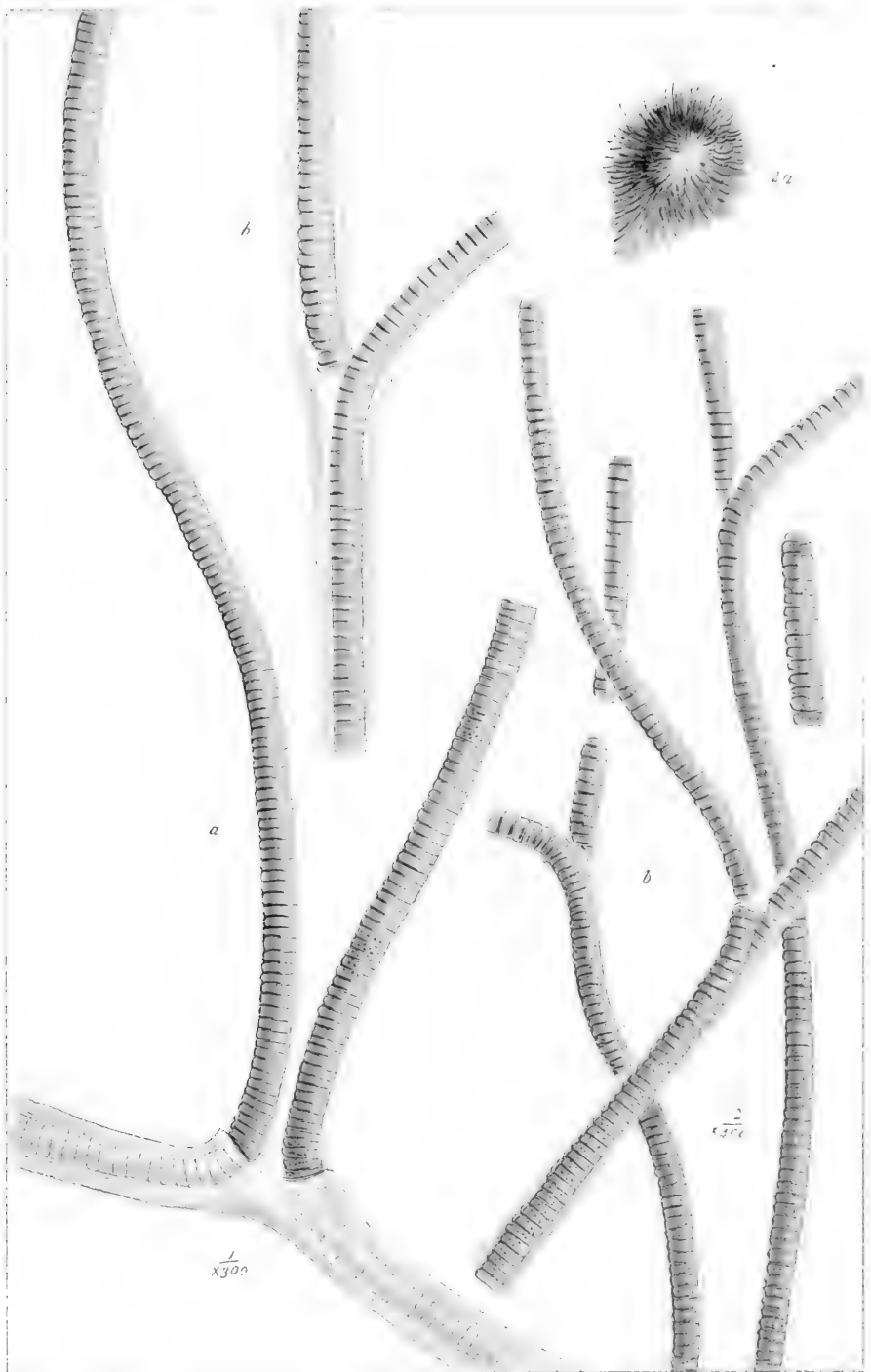


1. *Lyngbya littoralis*. (Carm.) *Lyngbya corium*. (Ag.) 3. *Lyngbya turfosa*. (Carm.)
 4. *Lyngbya ochracea*. Thur. 5. *Lyngbya vulgaris*. K. 6. *Lyngbya vulgaris*. var. *myochroa*.
 7. *Lyngbya papyrina*. K. 8. *Lyngbya inundata*. K.

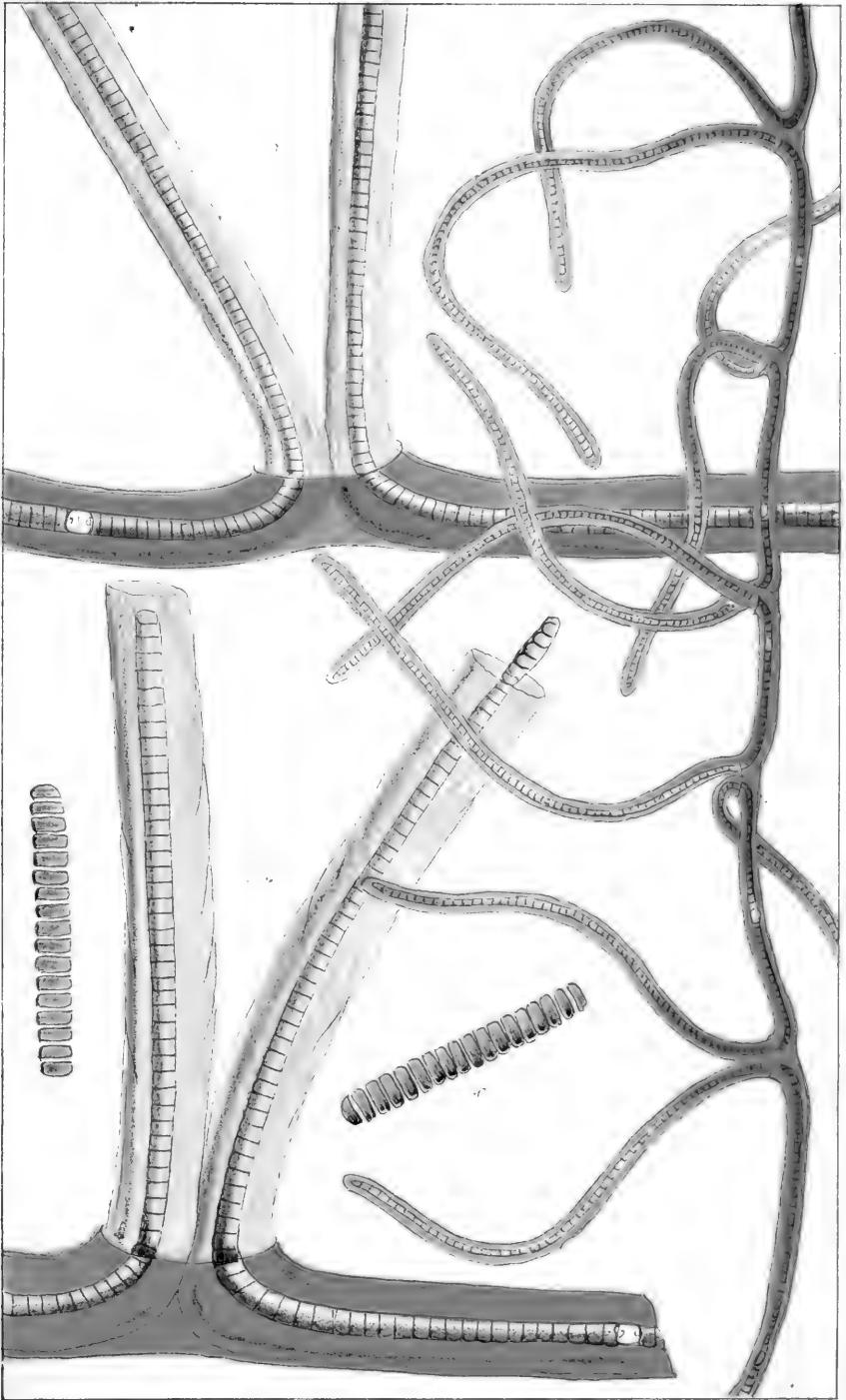


1. *Symploca Ralfsiana*. Kutz. 2. *Symploca lucifuga*. Harr.





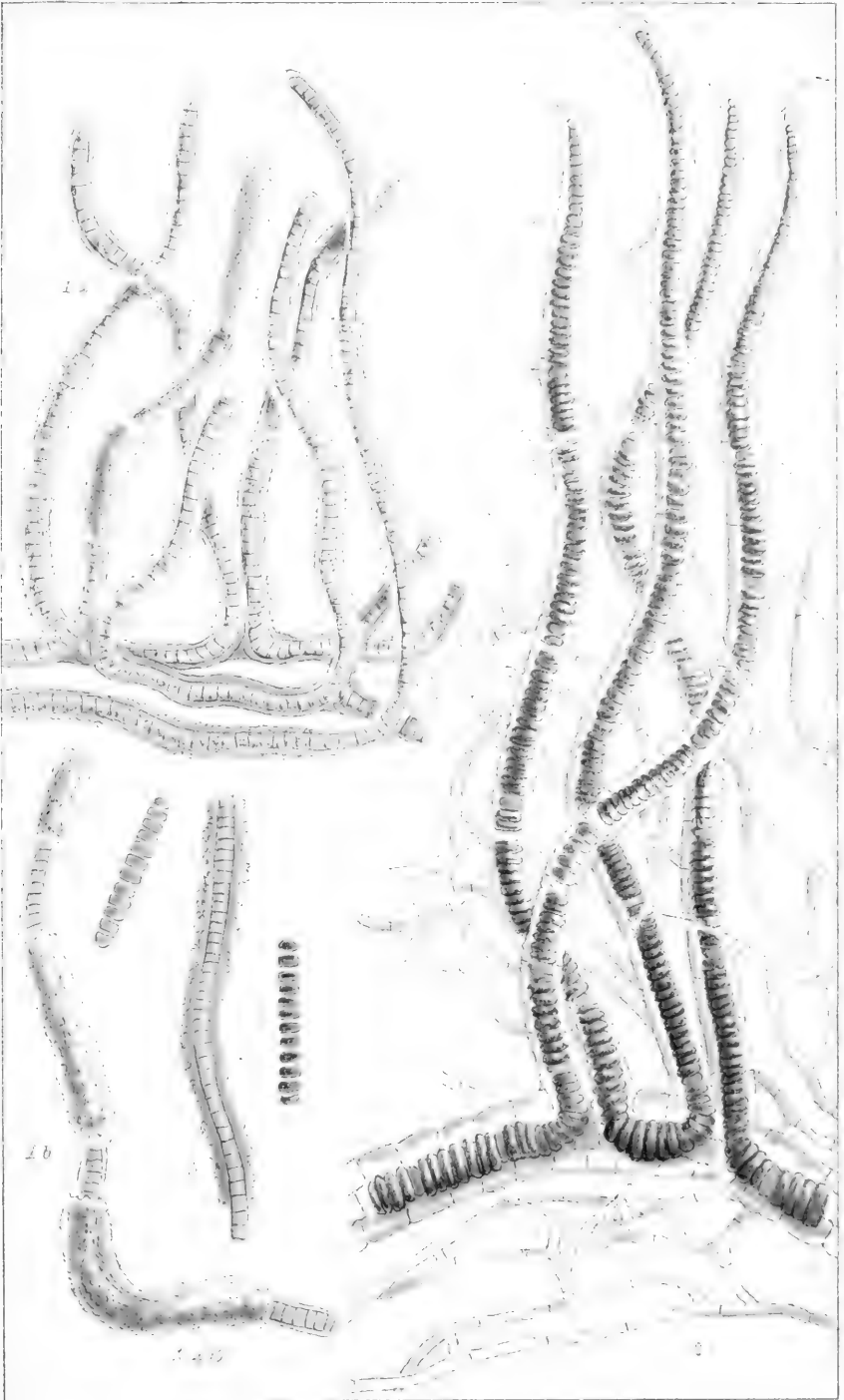
1. *Plectonema mirabile*. Thur. 2. *Plectonema Kirchneri*. Cooke.



1. *Scytonema myochroun*. Ag.

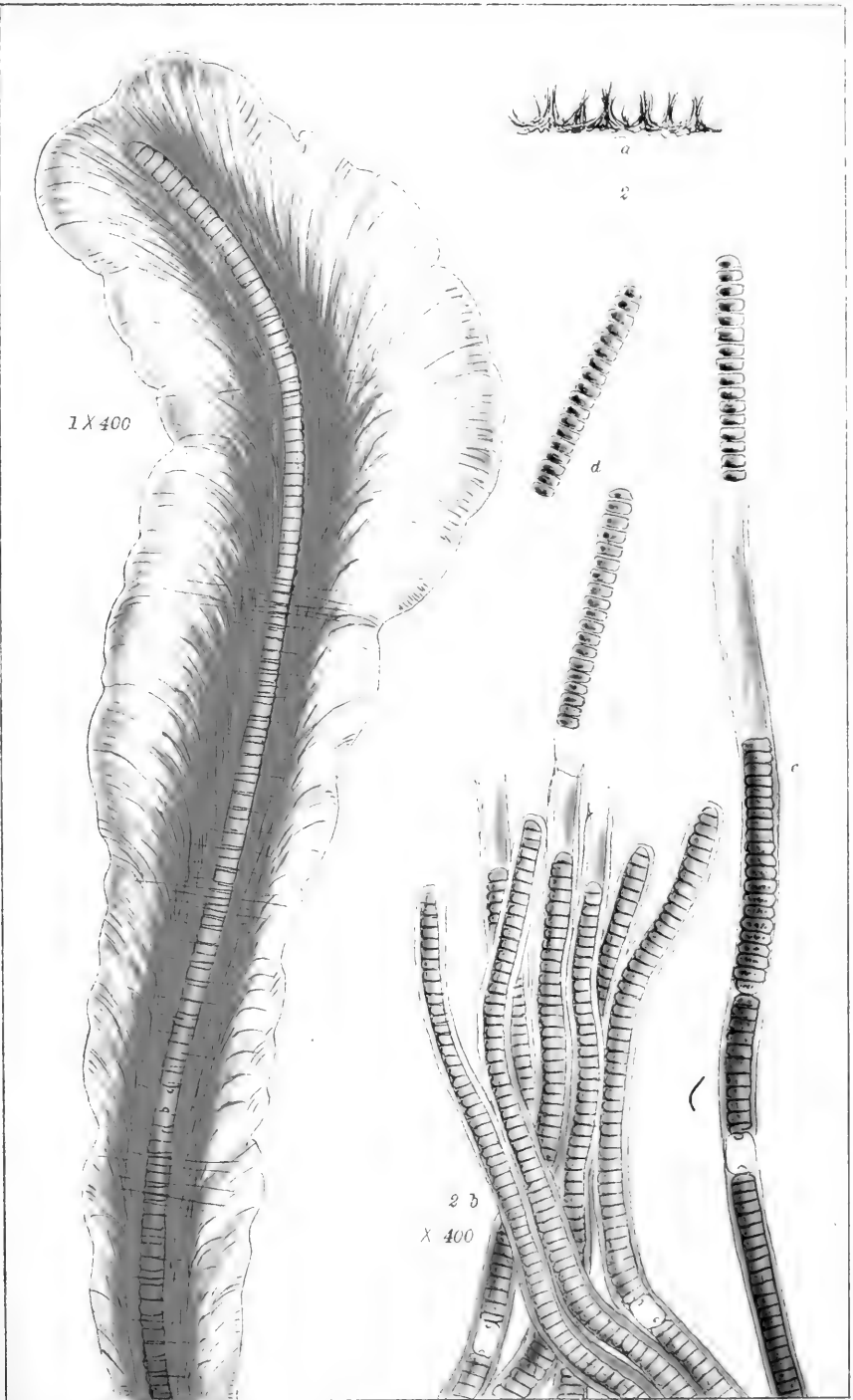
2. *Scytonema natans*. Breb.





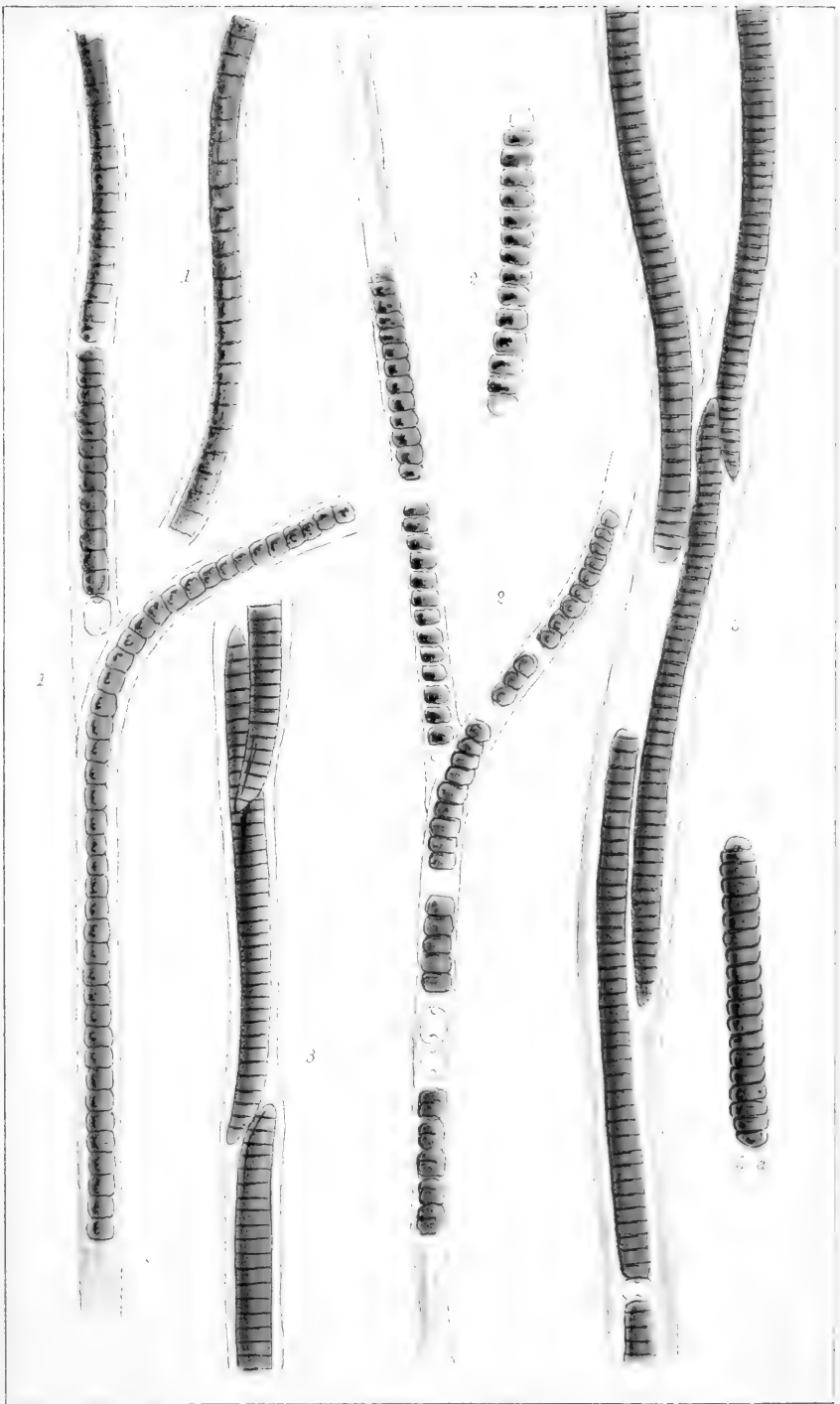
1. *Scytonema cinereum*. Kütz. 2. *Scytonema interruptum* (Carm.).





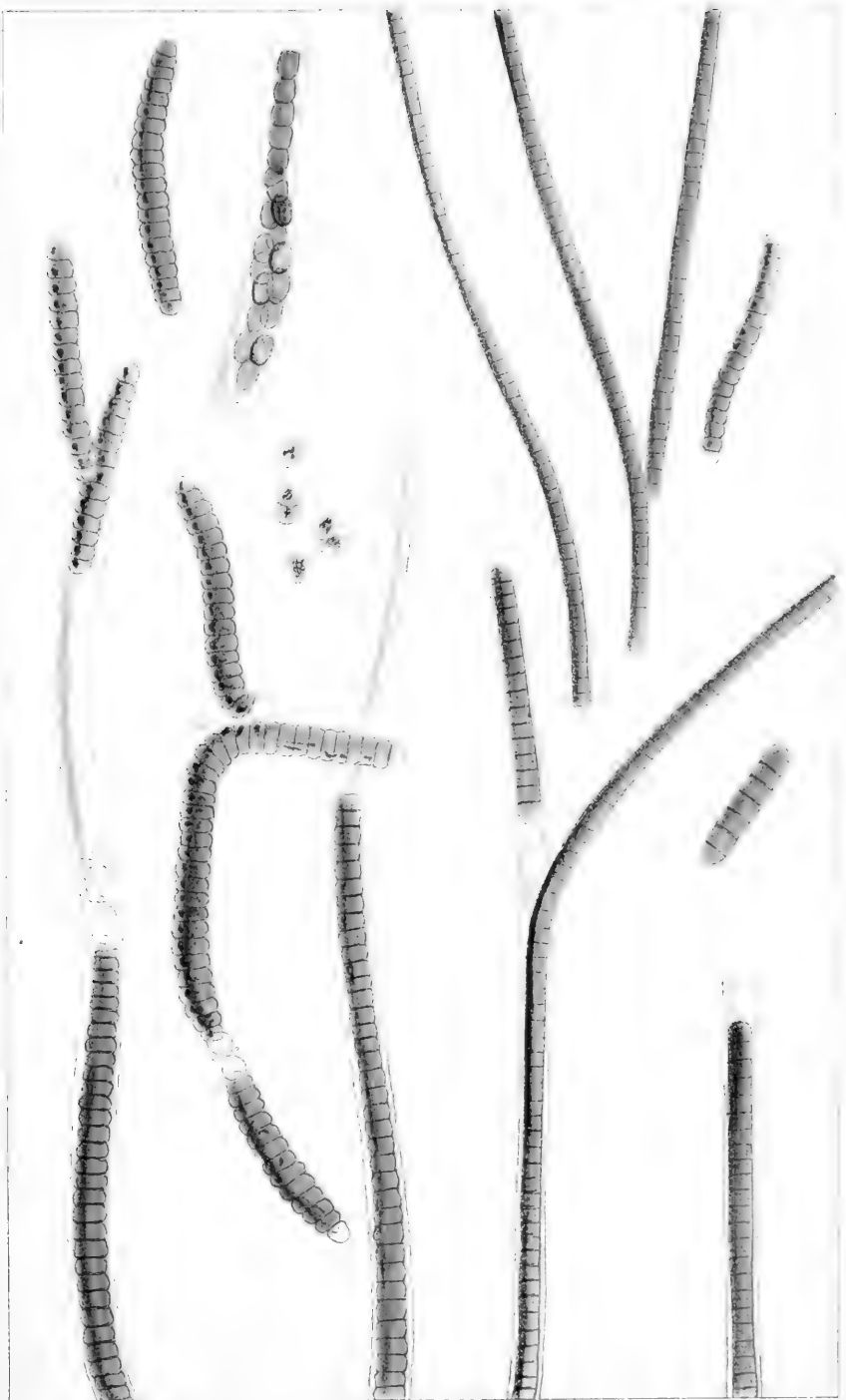
1. *Petalonema alatum*, Berk.

2. *Symplyphosiphon Hoffmanni*, Thier.

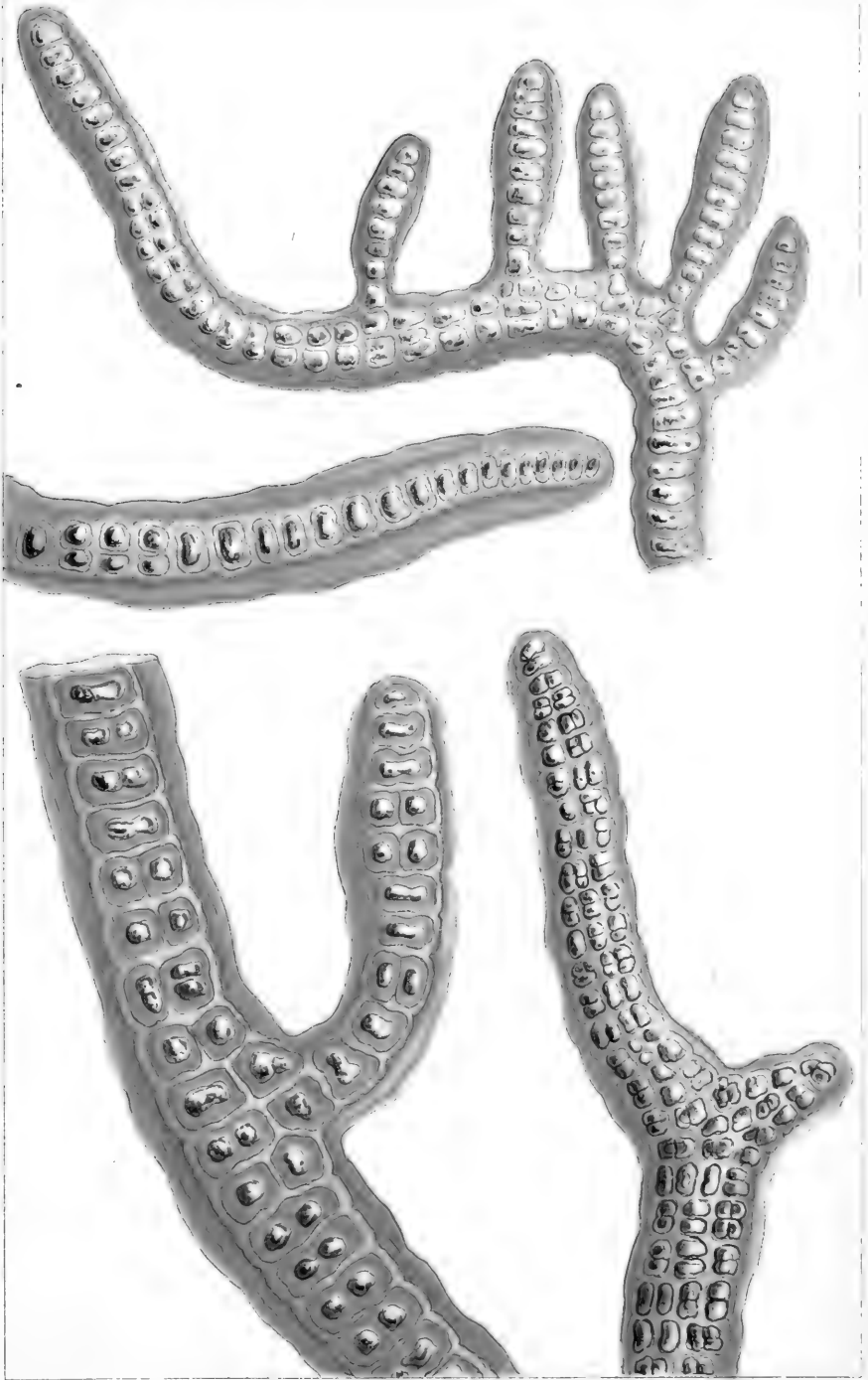


1. *Tolypothrix flaccida*. (Ag.) 2. *Tolypothrix distorta*. Kutz.
 3. *Tolypothrix cirrhosa* (Carm).



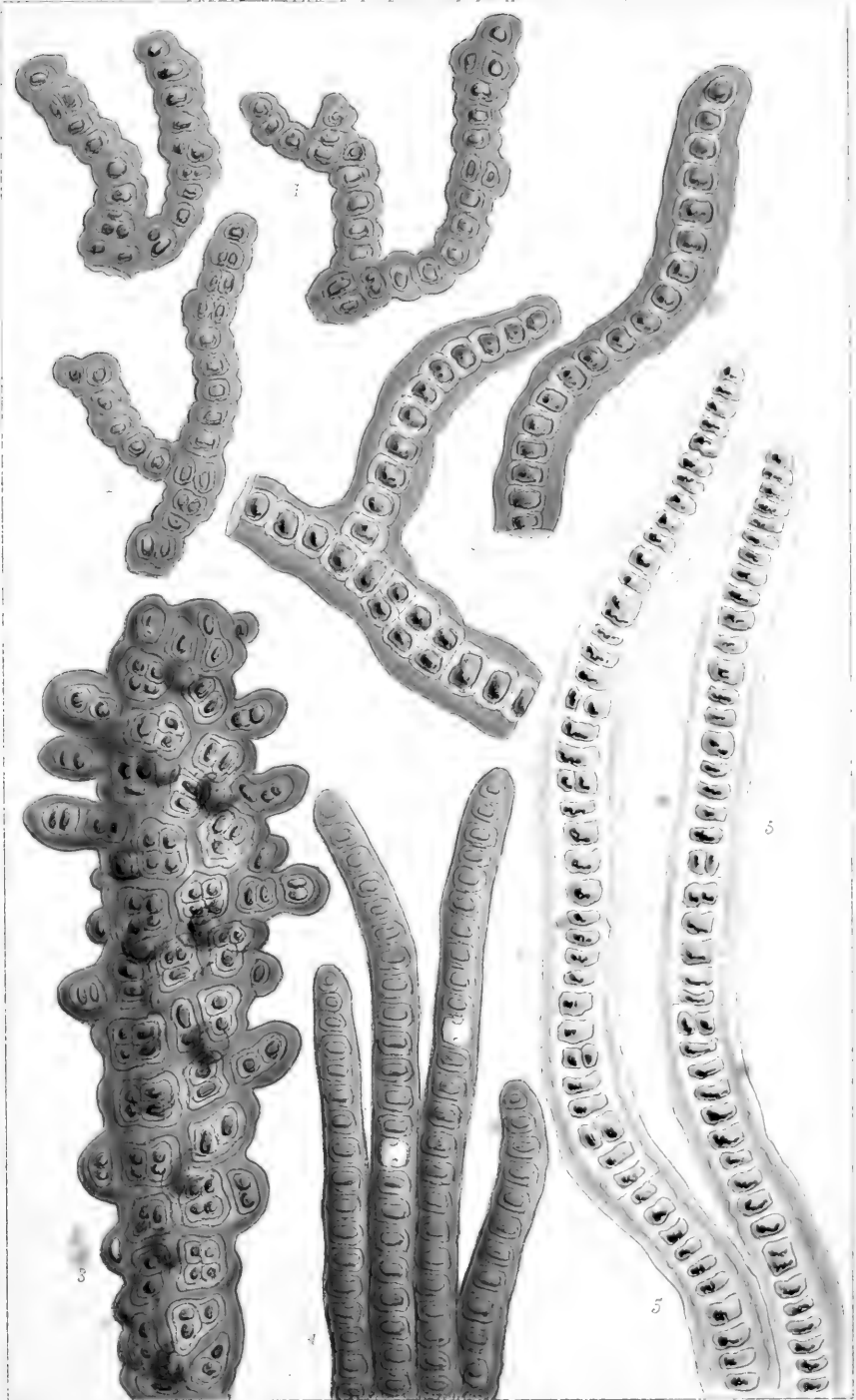


1. *Tolypothrix agagropila*, Kutz. 2. *Tolypothrix agagropila*, var. *pygmaea*, Kutz.
3. *Tolypothrix caetilis*, Kutz.



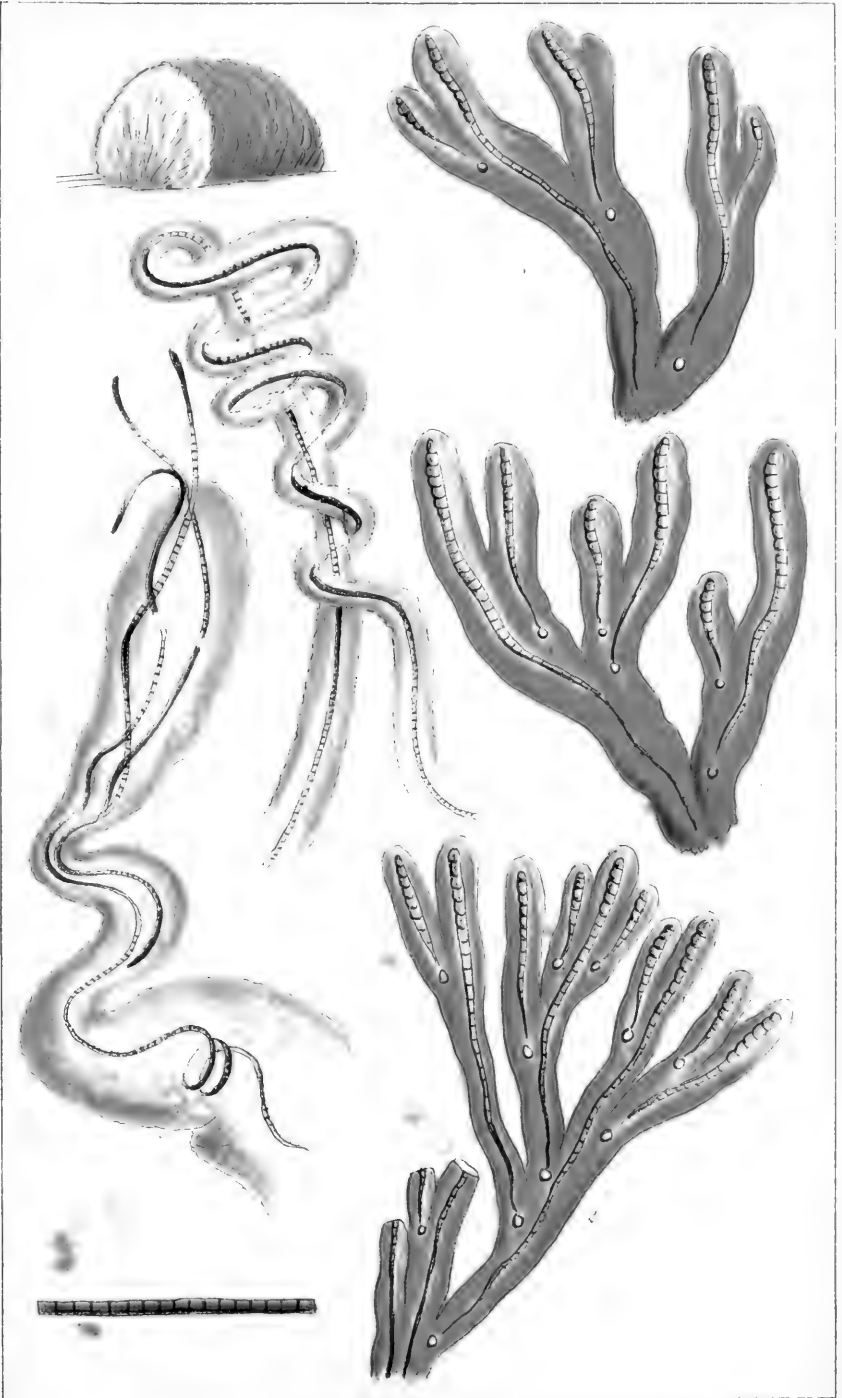
1. *Scytonema minutum* (Ag.), 2. *Scytonema ocellatum* (Dill.)
 3. *Scytonema boussii* (Bréb.), 4. *Scytonema pannicorne* (Ag.)





1. *Stigonema saxicola* Nag. 2. *Stigonema turfaceum* Link
 3. *Stigonema mammosum* Ag. 4. *Stigonema compactum* Ag
 5. *Haplosiphon byssoides* Thur.





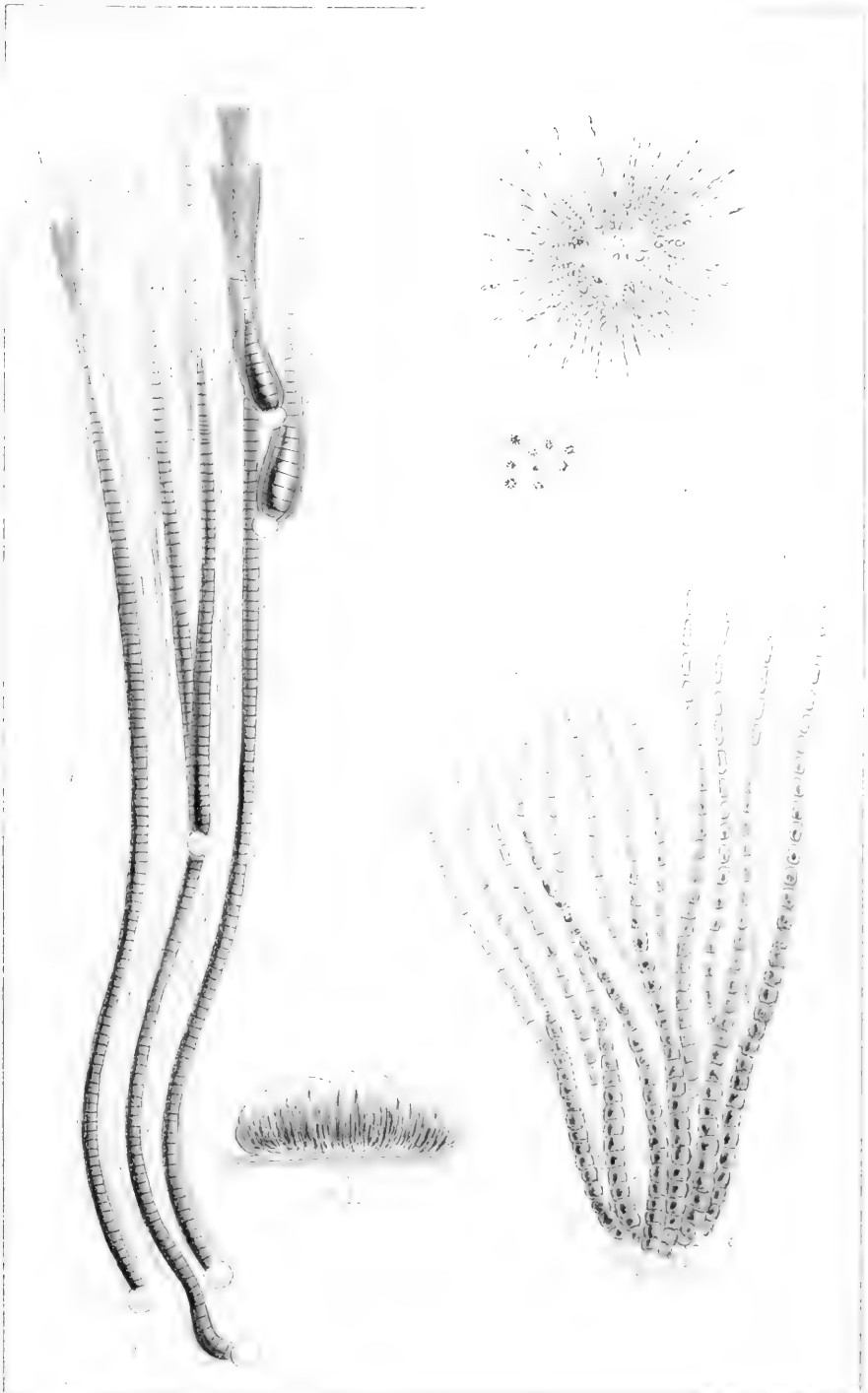
1. *Dasygloia amorpha*. Thw. 2. *Petronema fruticosum*. Thw.
3. *Seytonema crustaceum*. Ag.





1. *Calothrix Orsiniana*. Thur.

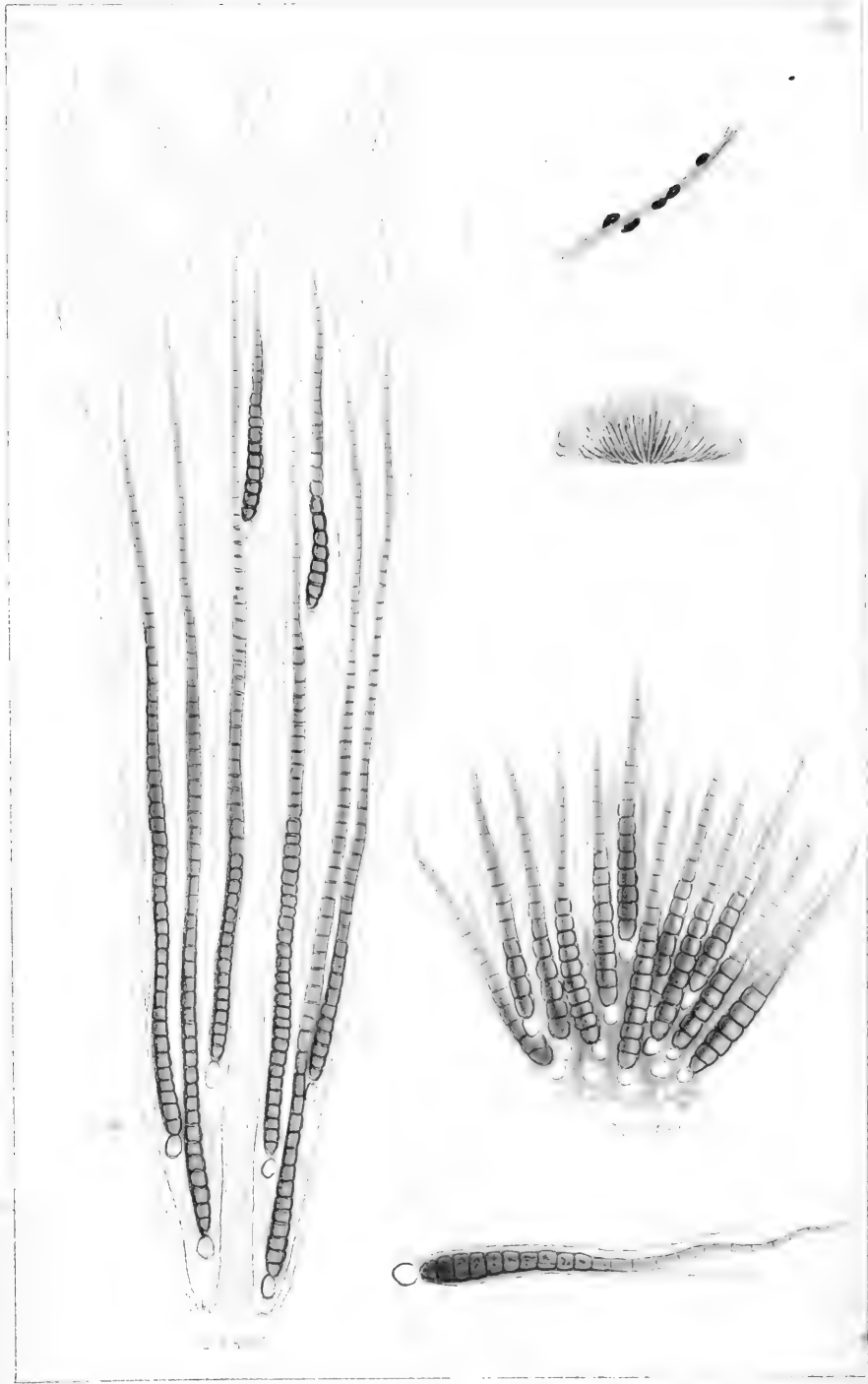
2. *Calothrix Dillwynii*. Berk.



1. *Isactis plana*, Thur.

2. *Riccharia celastri*, (Eng. Bot.)





1. *Rivularia granulifera*, Carm.

Rivularia dura, Kut.





1. *Gleotrichia natans*. Thur.

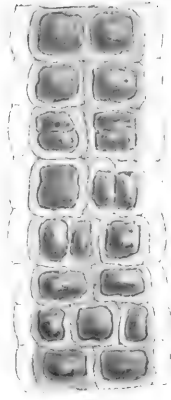
2. *Gleotrichia pisum*. (Ag.)

3. *Rivularia calcarea*. Eng. Bot.

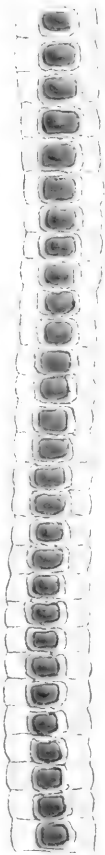
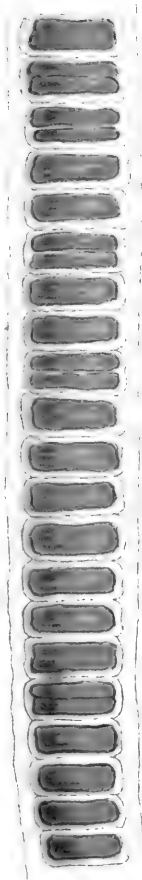




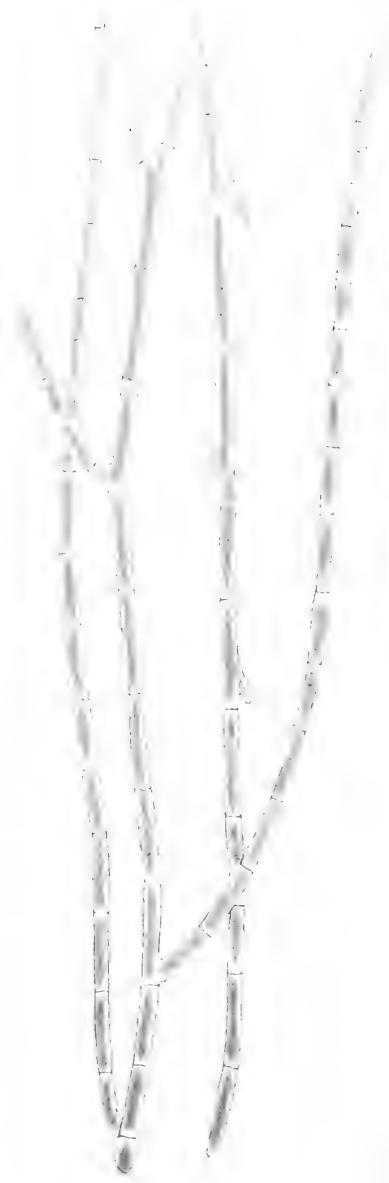
1 a



1 b



1 c X 400

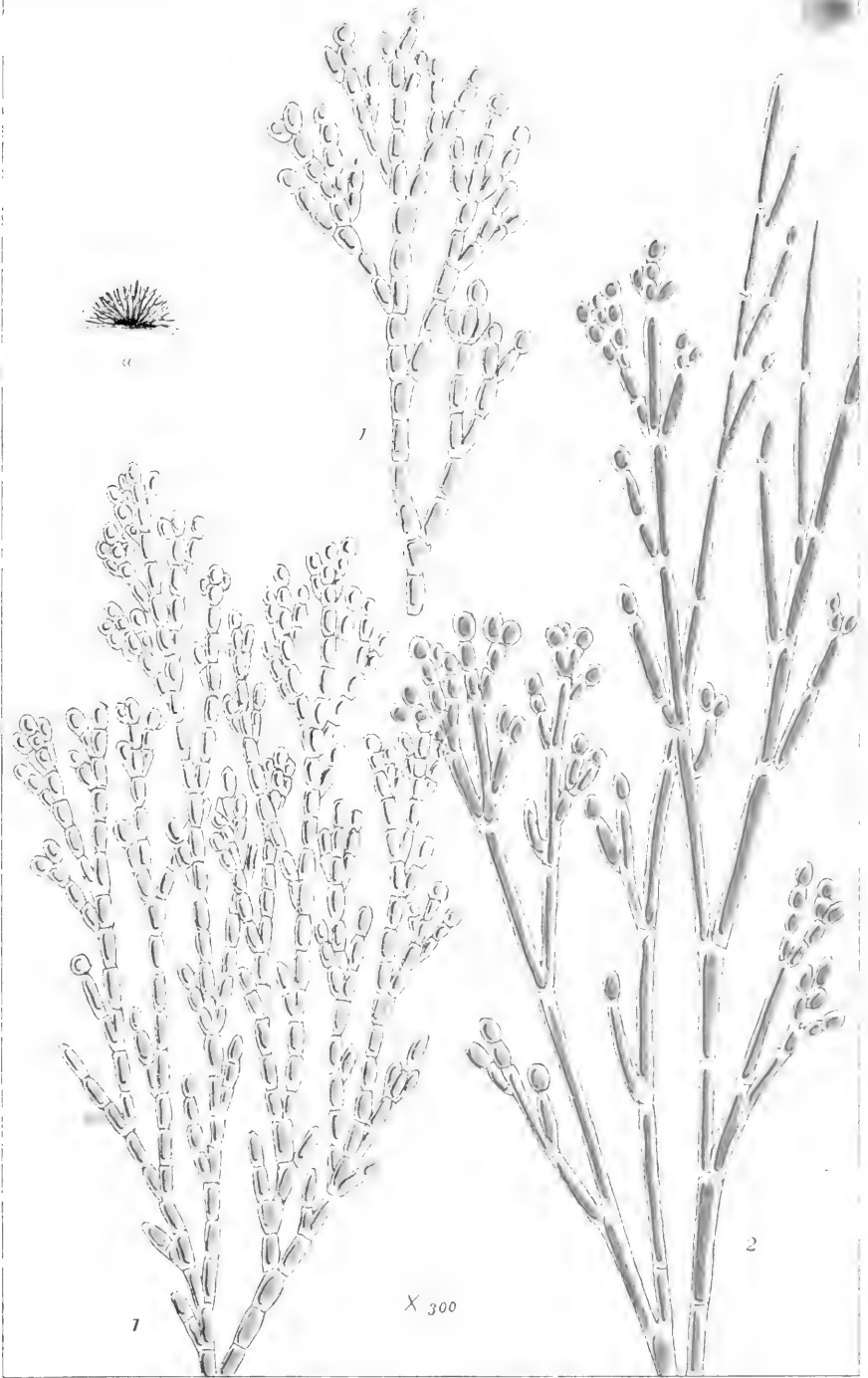


2

1. *Bangia atropurpurea*. (Dillw.)

2. *Chantransia scotica*. Kutz

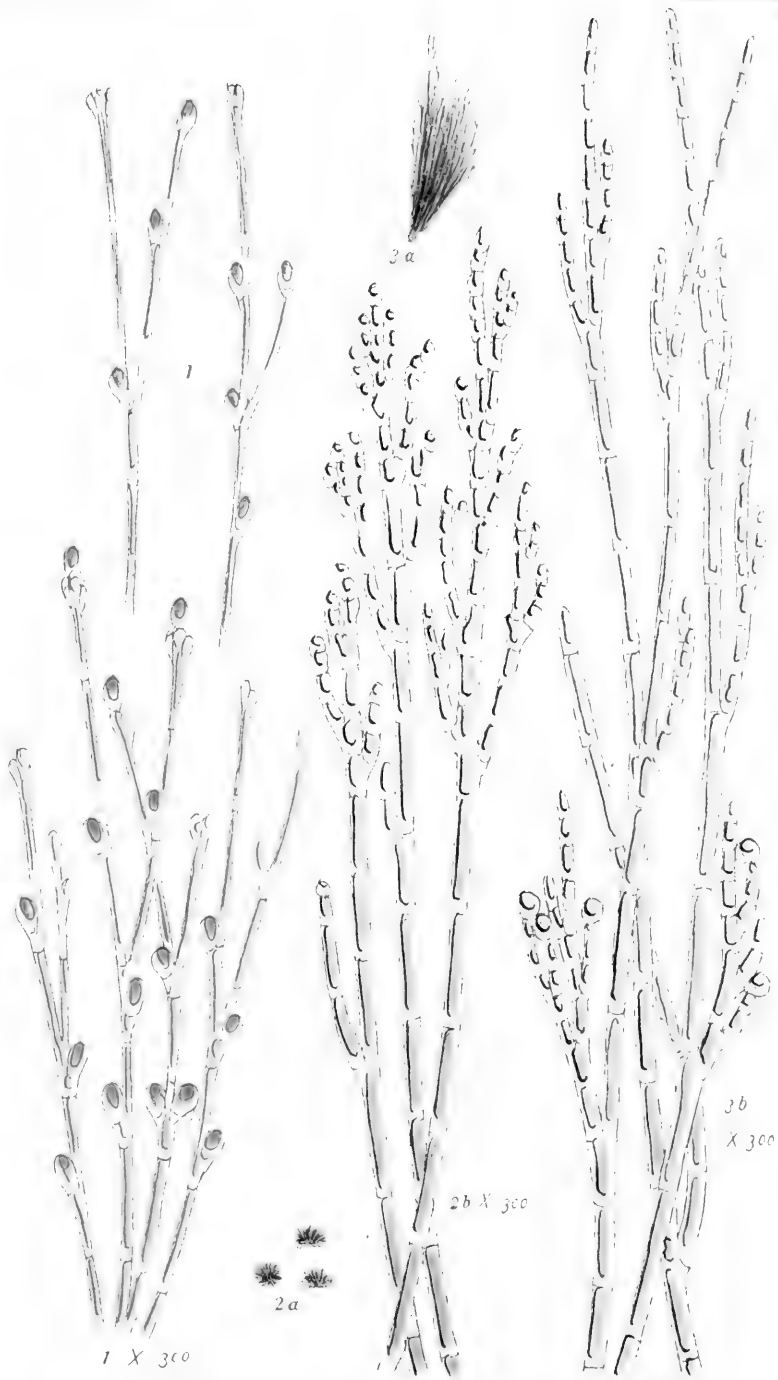




1. *Chaetransia violacea*, D By

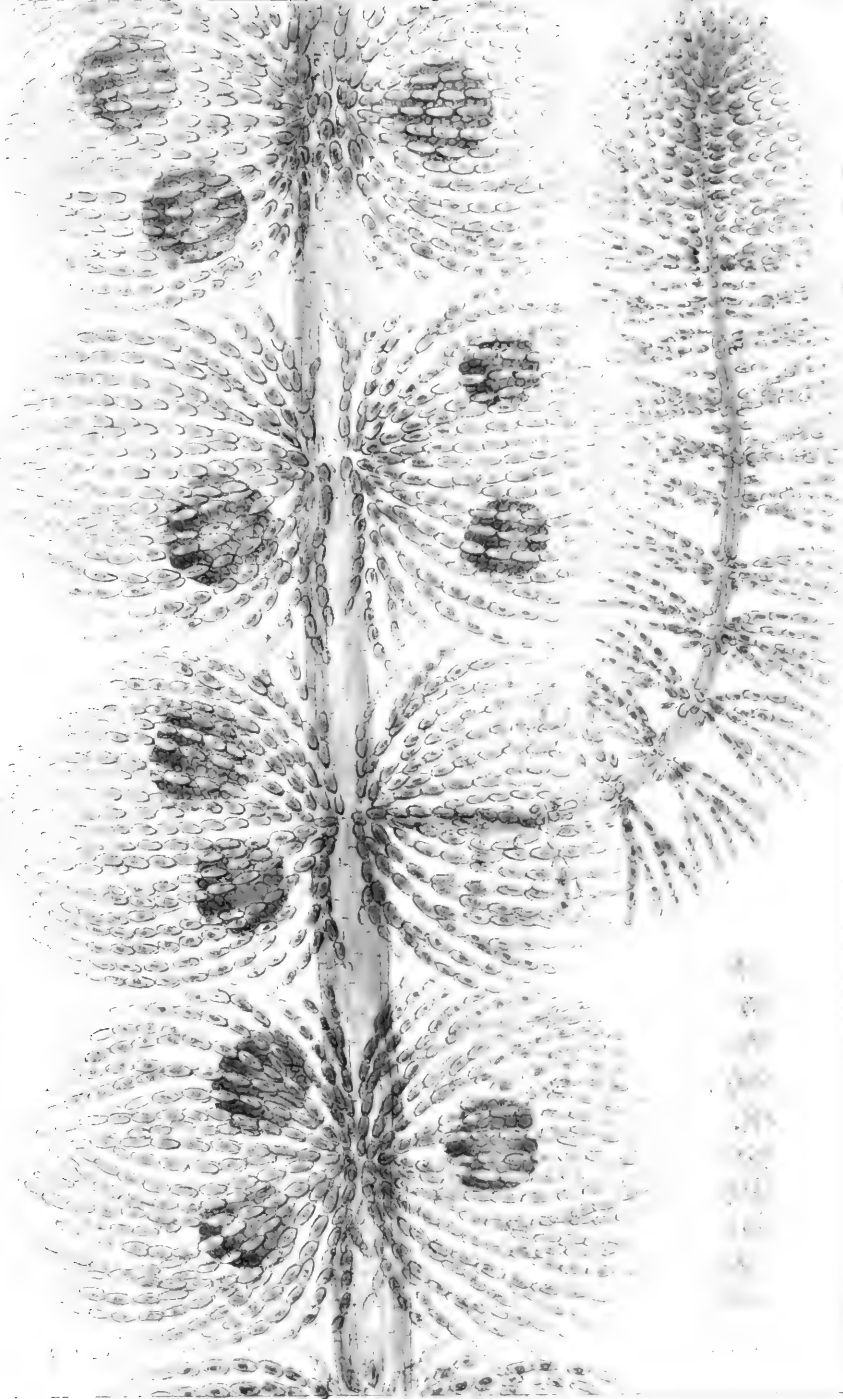
2. *Chaetransia Hermanni* Desv.



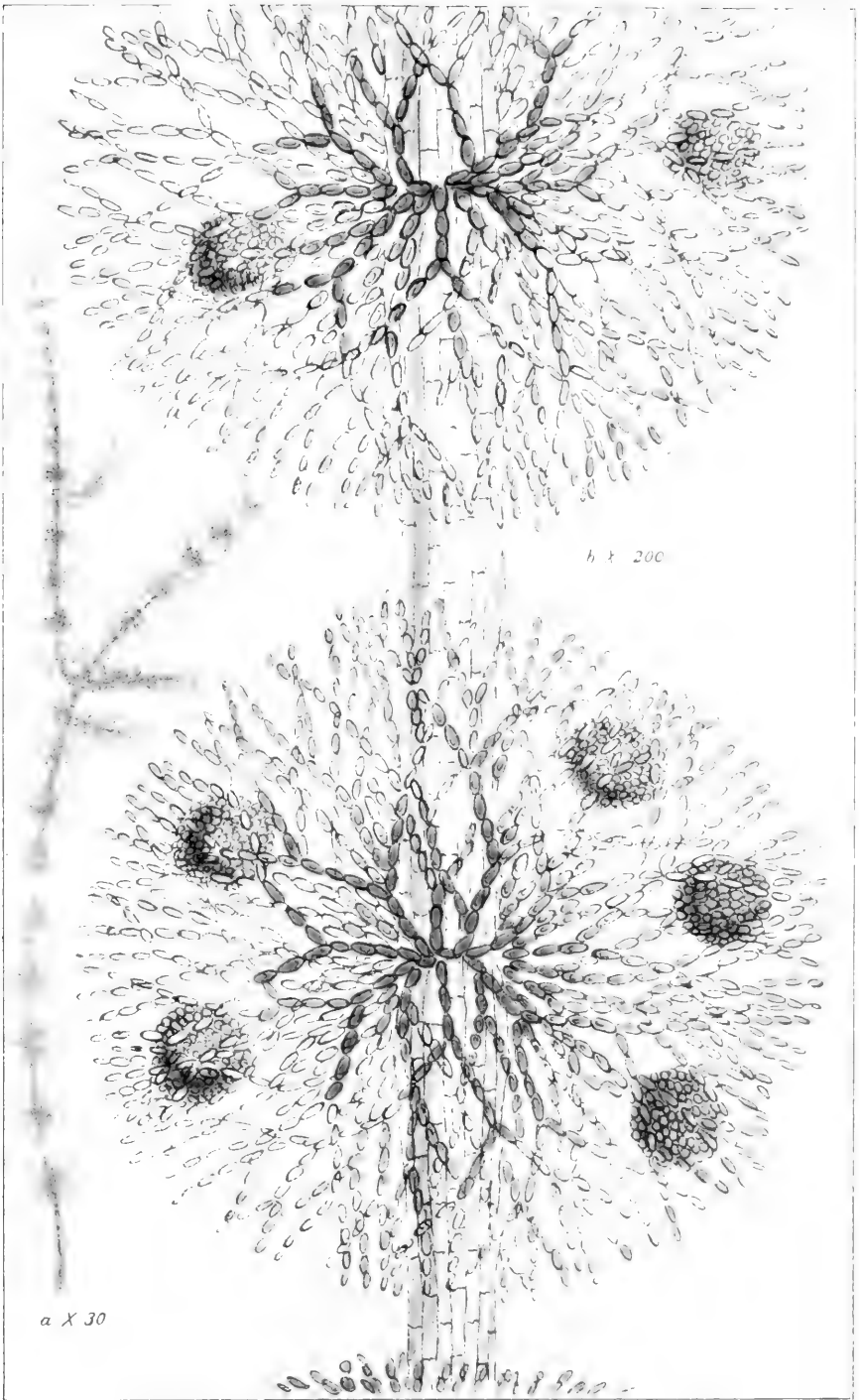


1. *Chontrantia investiens* Kütz. 2. *Chontrantia pygmaea* Kütz.
 3. *Chontrantia thalybea* Lyngb

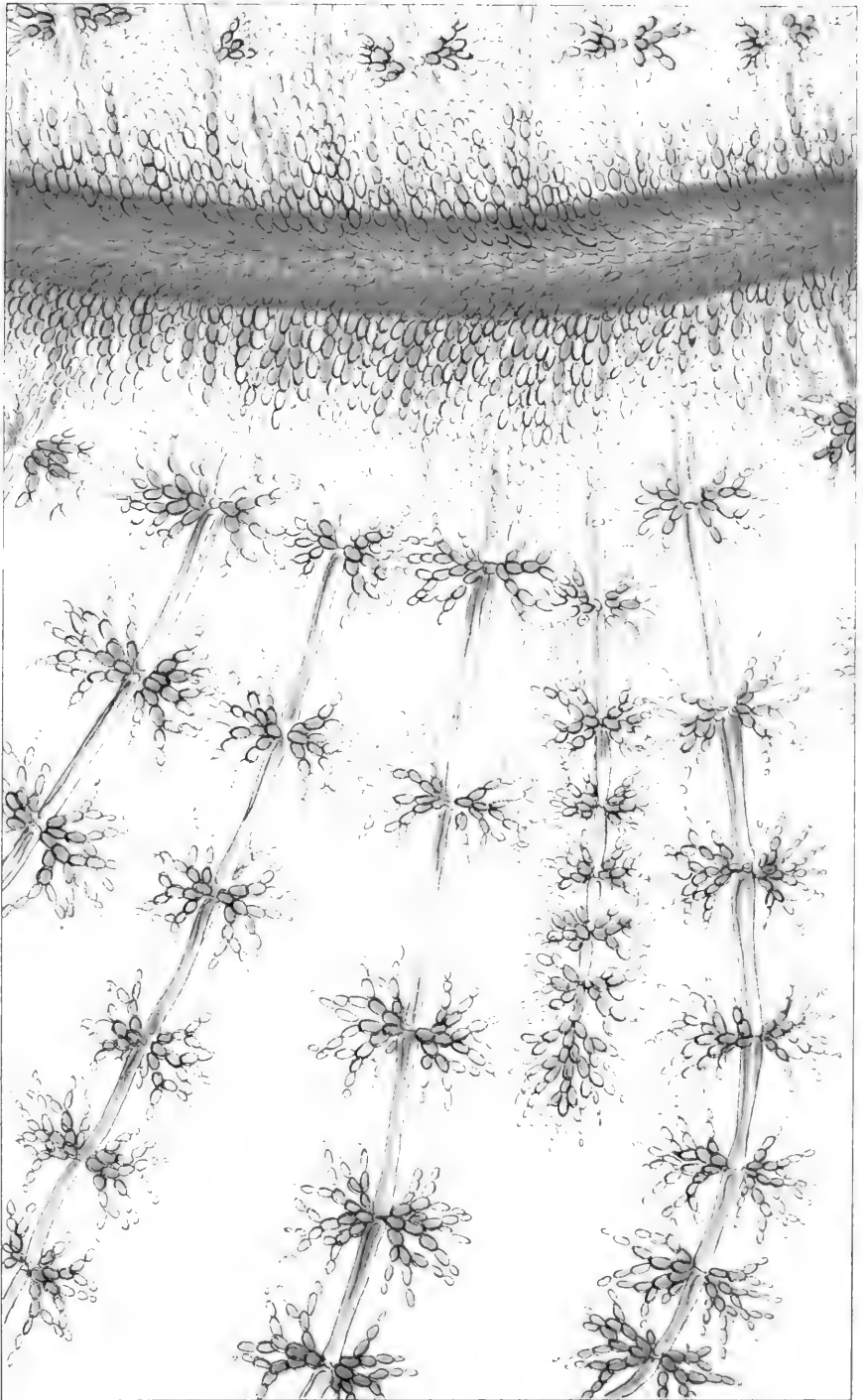




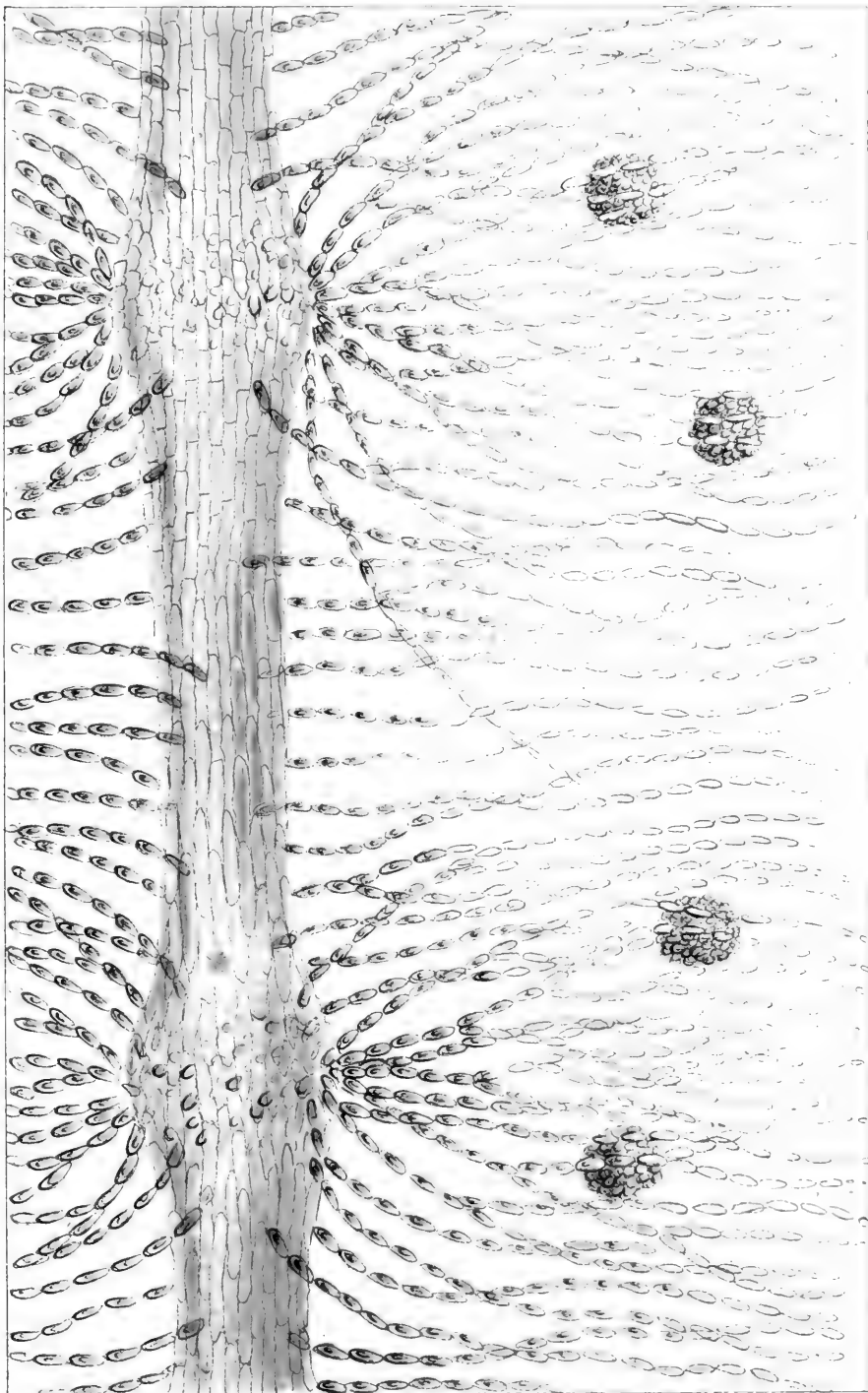
Chroococcoides ...



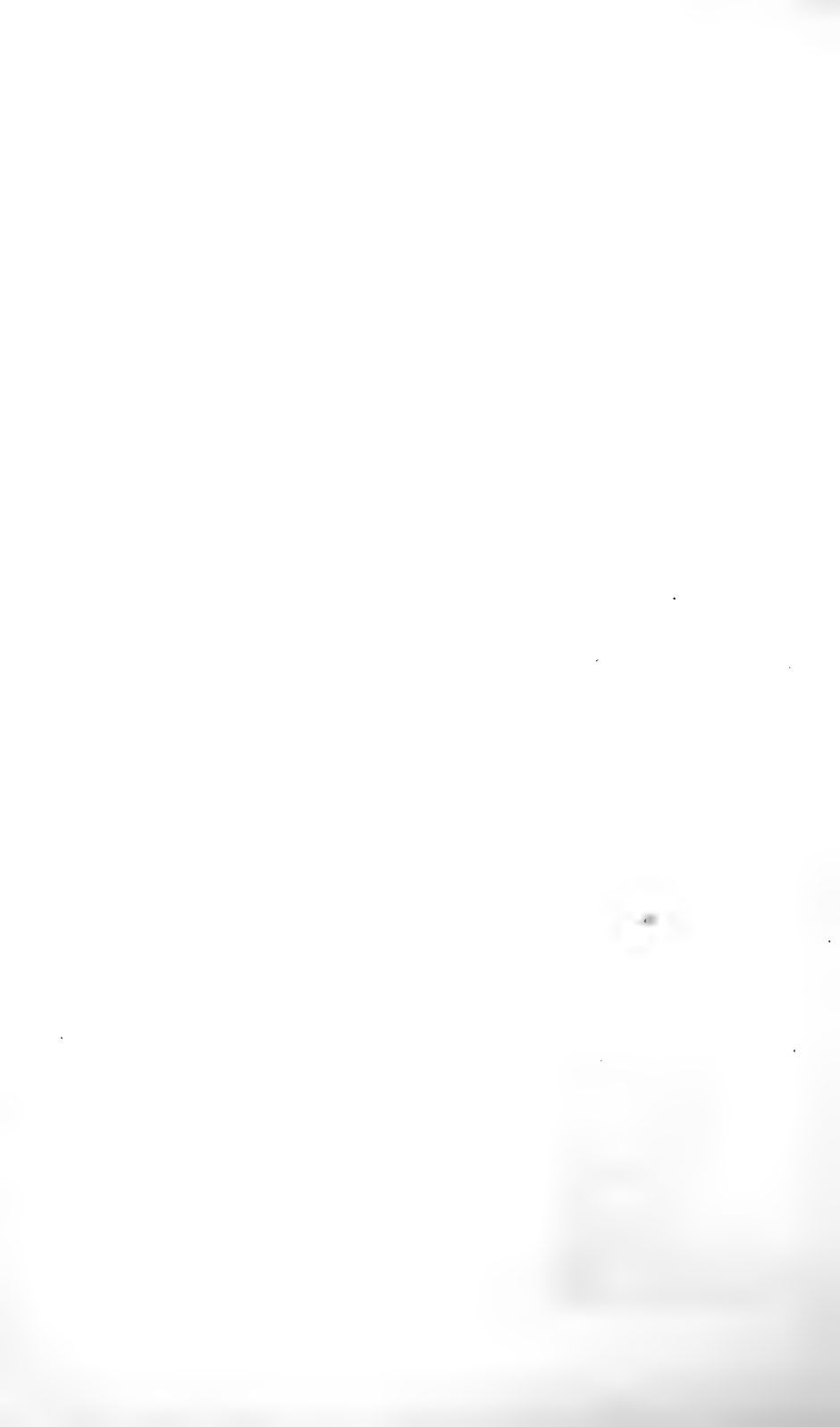
Batrachospermum moniliforme. Roth. var. *pulcherrimum*. Bory.

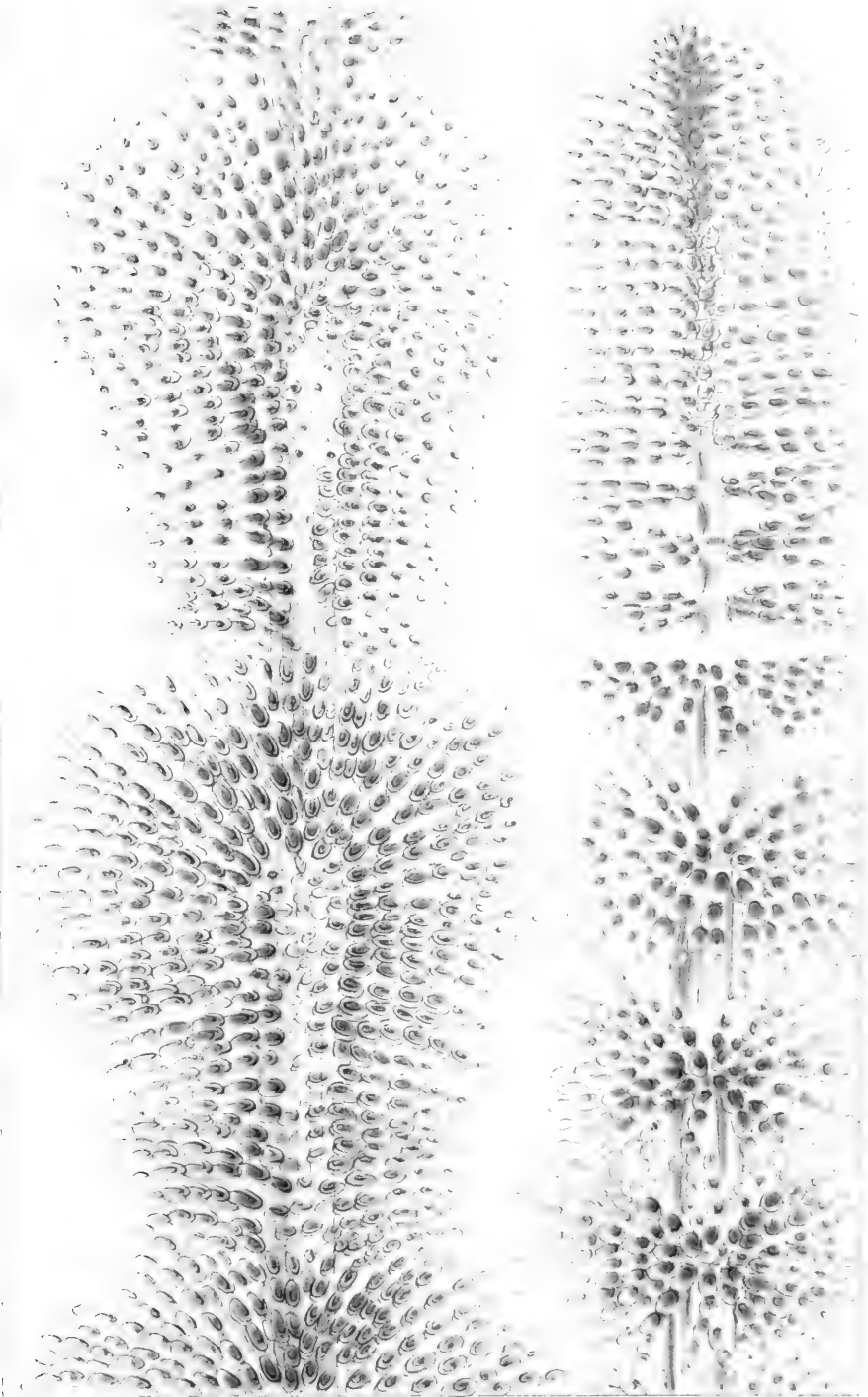


Batrachospermum moniliforme. Roth. var. *proliferum*. Carm.



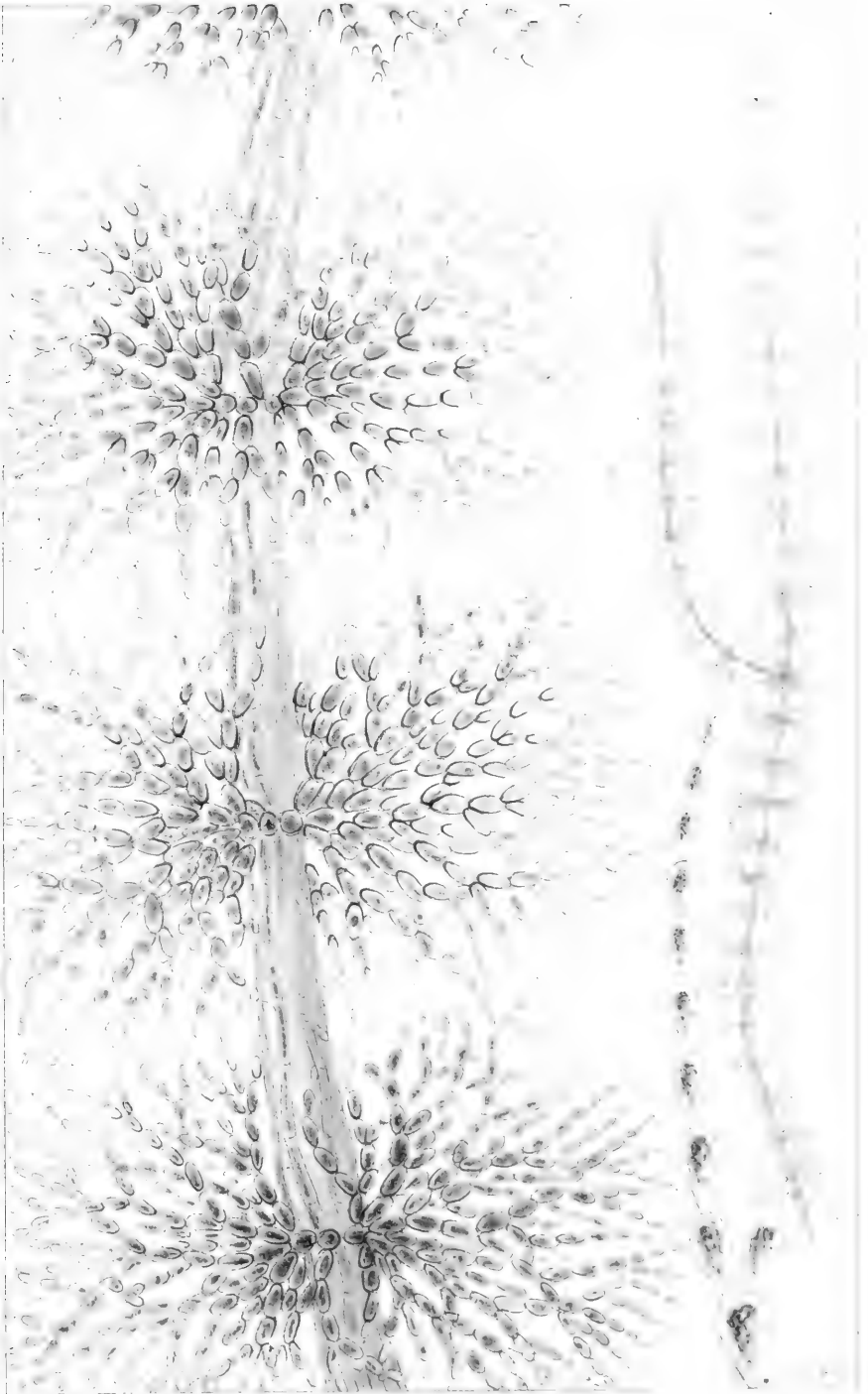
Batrachospermum moniliforme. Rotk. var. *confusum*. Hass.





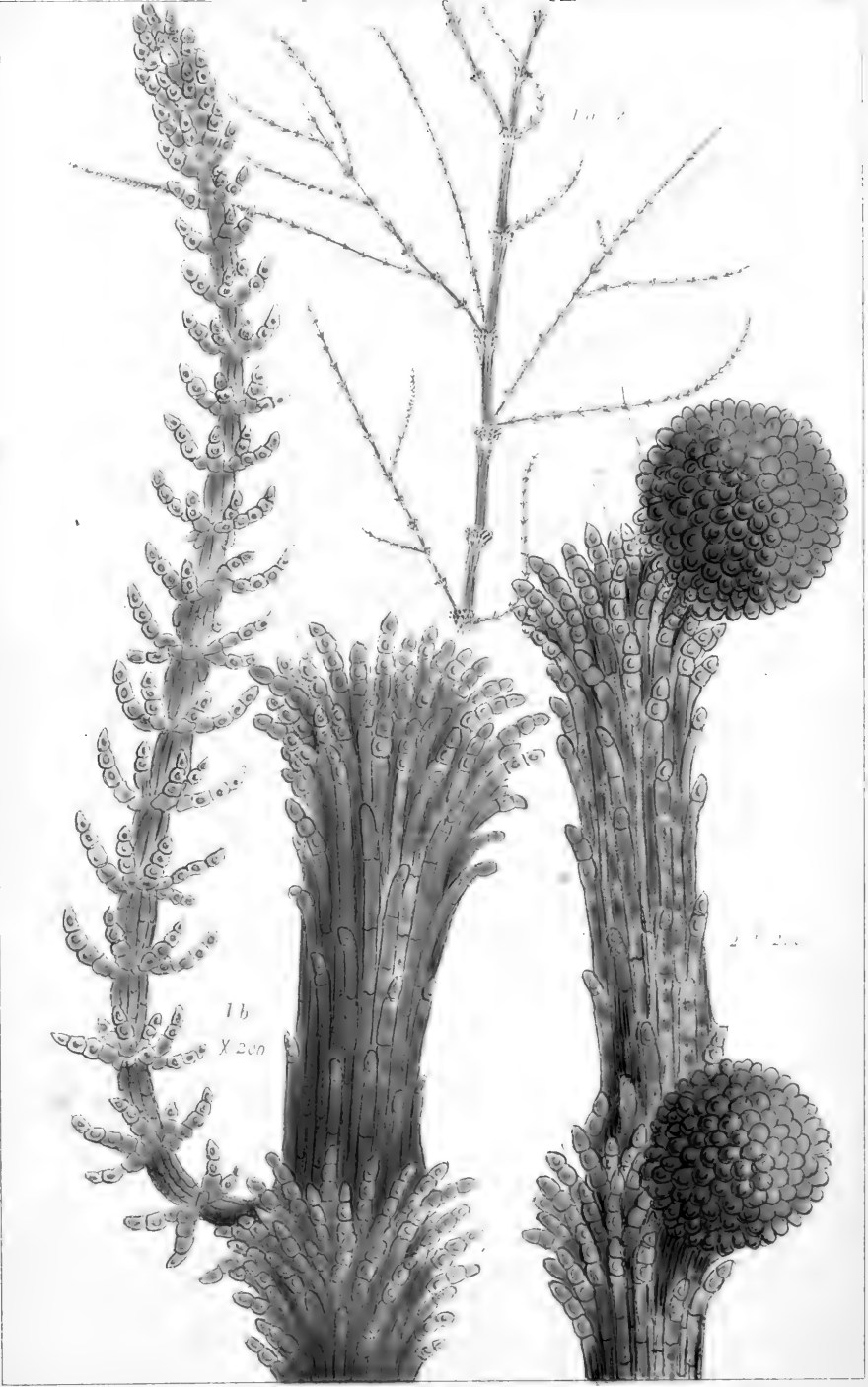
Batrachospermum moniliforme. var. *Boltoni*.





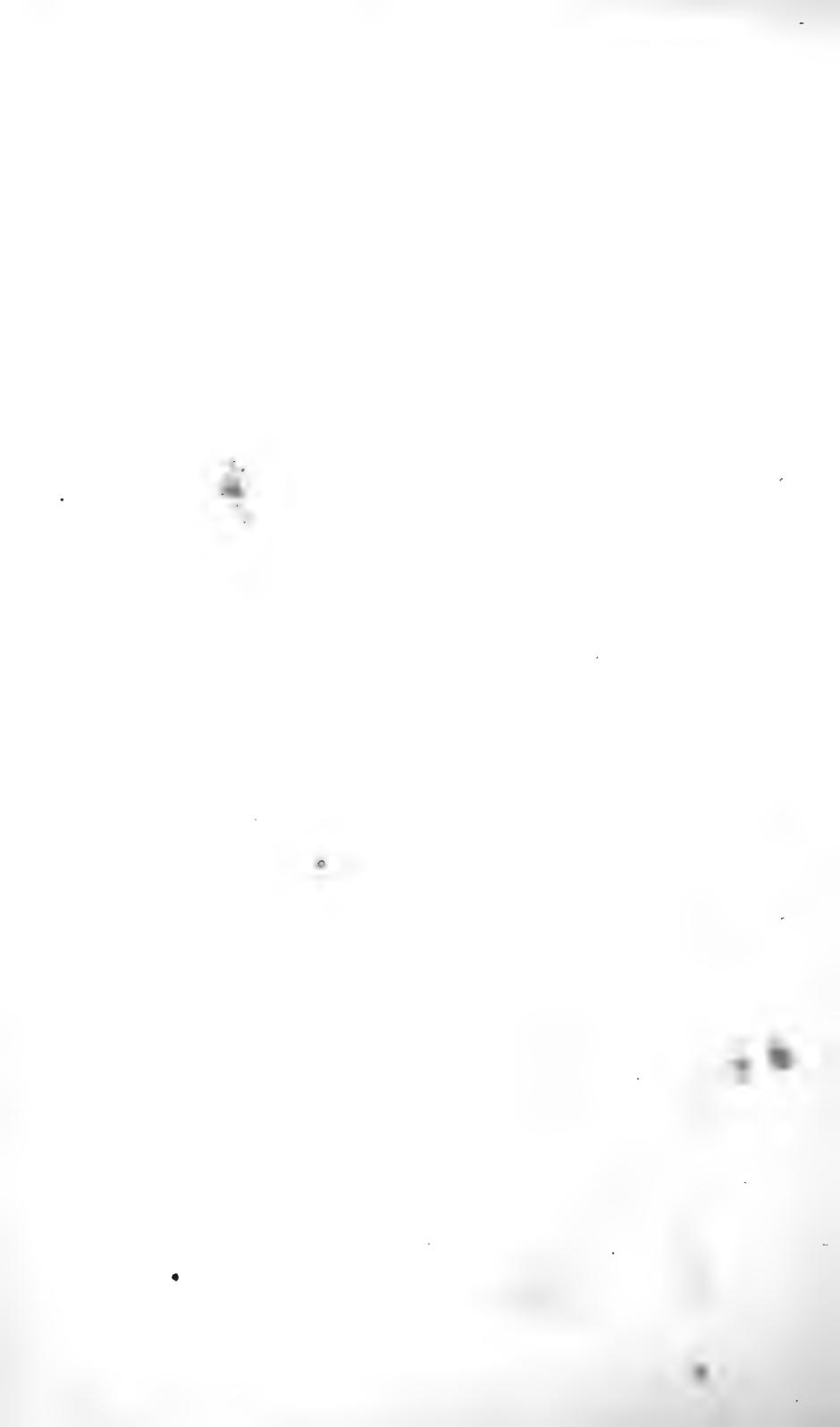
Batrachospermum vagum. var. *keratophytum*.

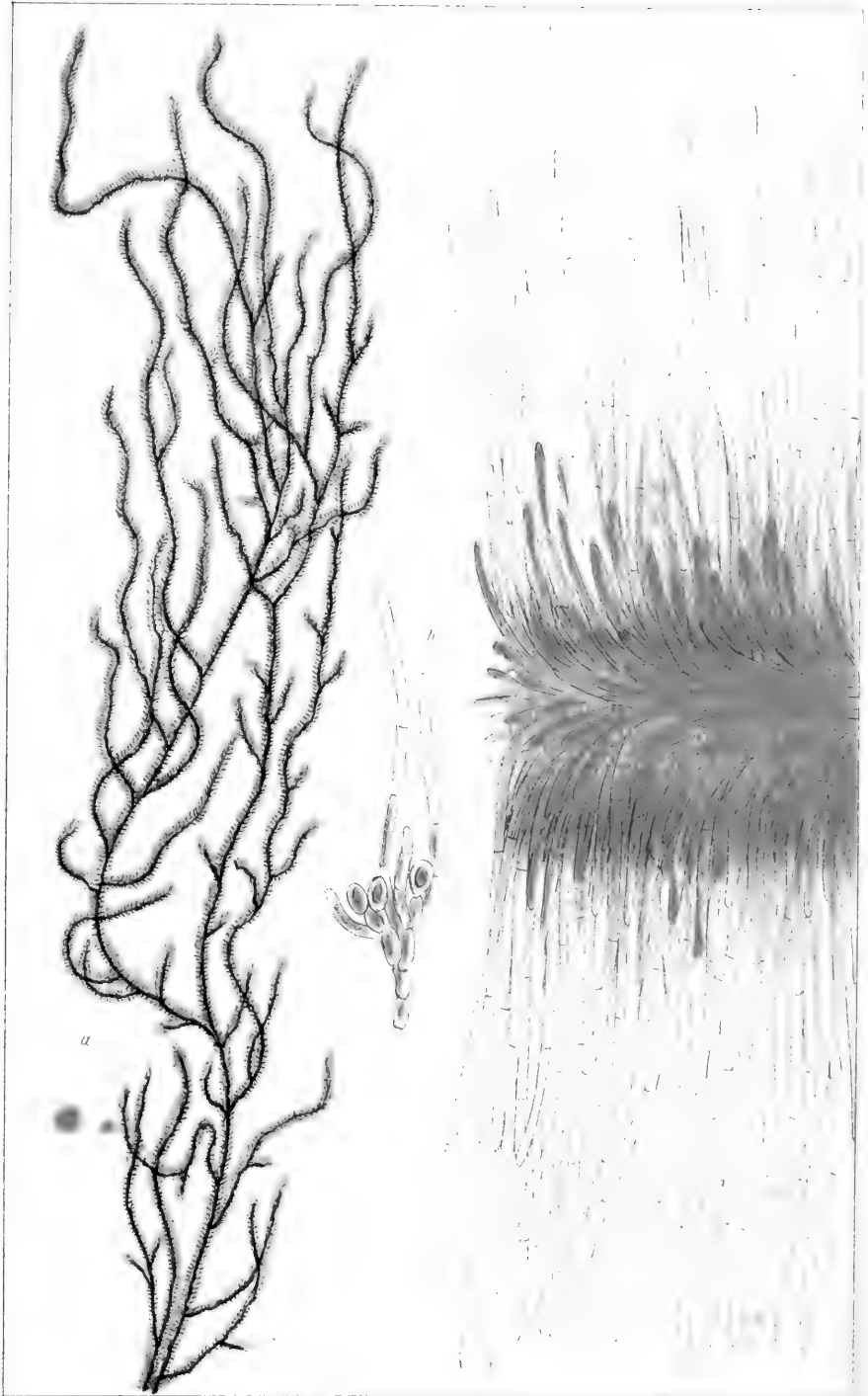




1. *Batrachospermum atrum*. Harvey.

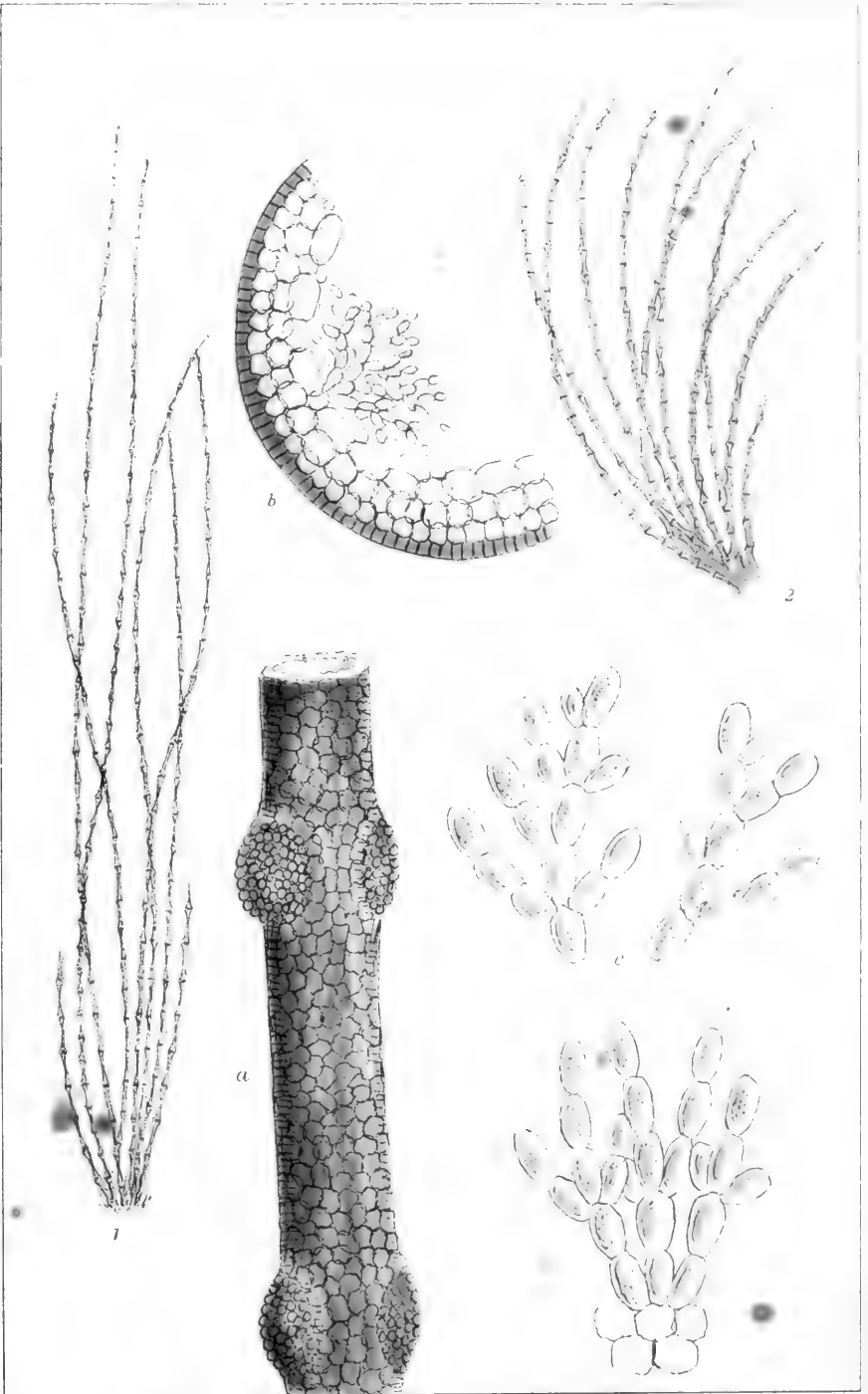
2. *Batrachospermum Dillenii*. Bory.





Thorea ramosissima. Bory.

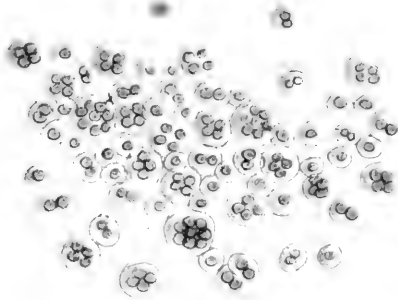




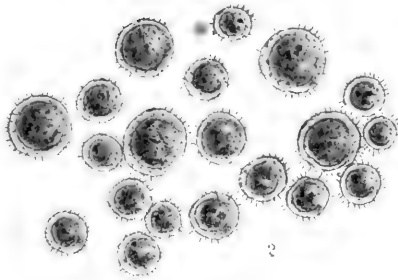
1. *Lemanea fluviatilis*. Ag.

2. *Lemanea torulosa*. (Roth)





1



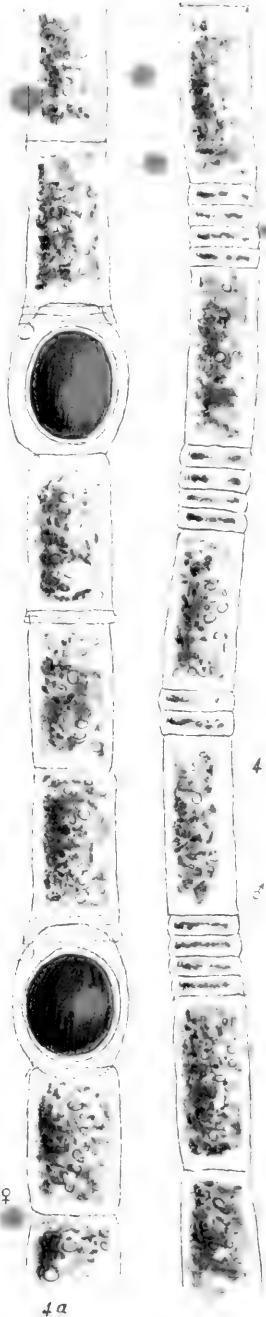
2



3a



3b

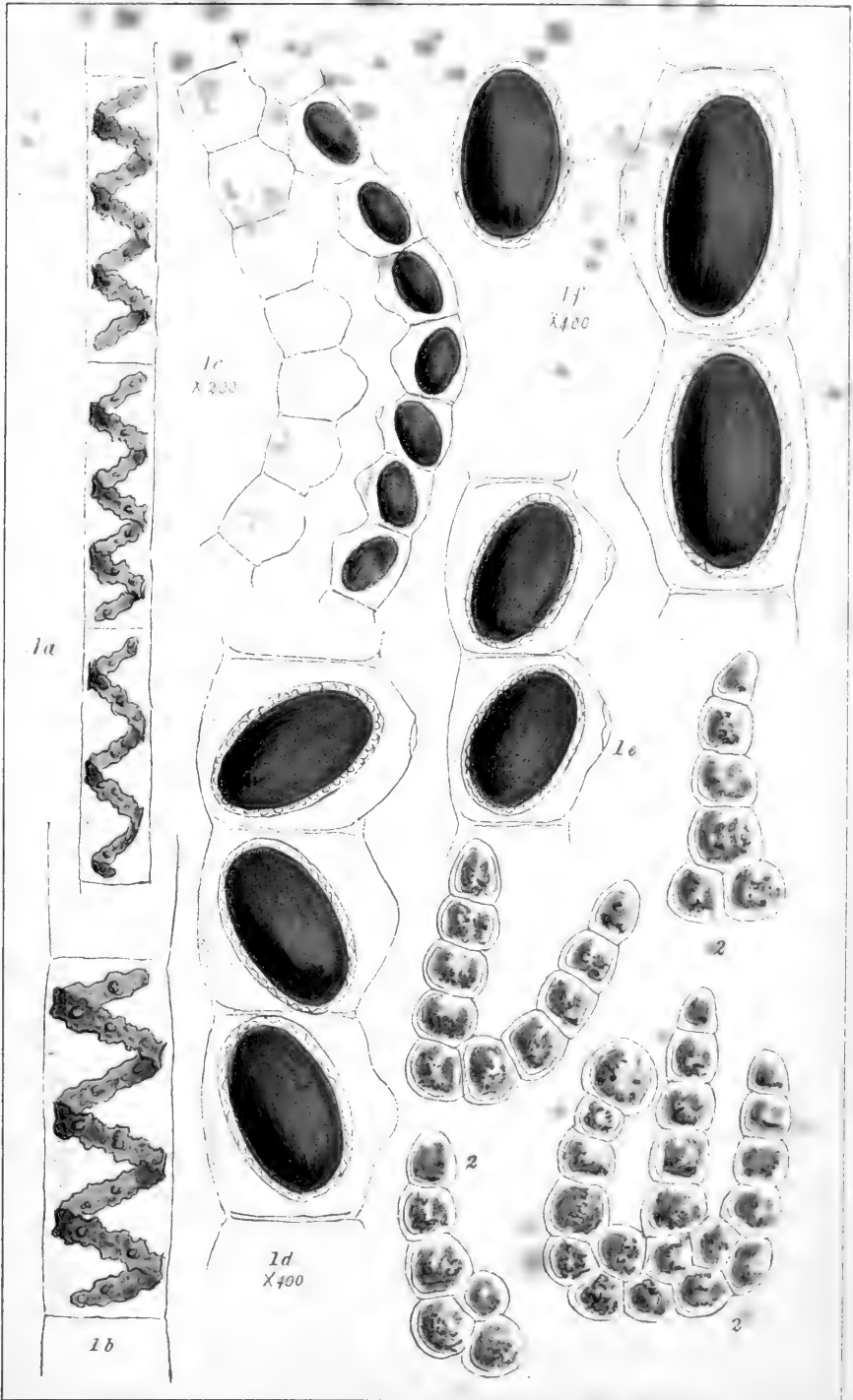


4a

4b

1. *Pleurococcus bituminosus*, Bory. 2. *Pleurococcus vestitus*, Rein.
 3. *Dactylococcus DeBaryanus*, Rein. 4. *Edogonium capilliforme*, Kutz.





1. *Spirogyra velata*, Nordst.

2. *Chroolepus umbrinum*, Kutz.





