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Smith Inst.

UNITED STATES

EXPLORING EXPEDITION.

DURING THE YEARS

1838, 1839, 1840, 1841, 1842.

UNDER THE COMMAND OF

CHARLES WILKES, U. S. N.

ATLAS.

BOTANY.

PHANEROGAMIA.

VOL. I.

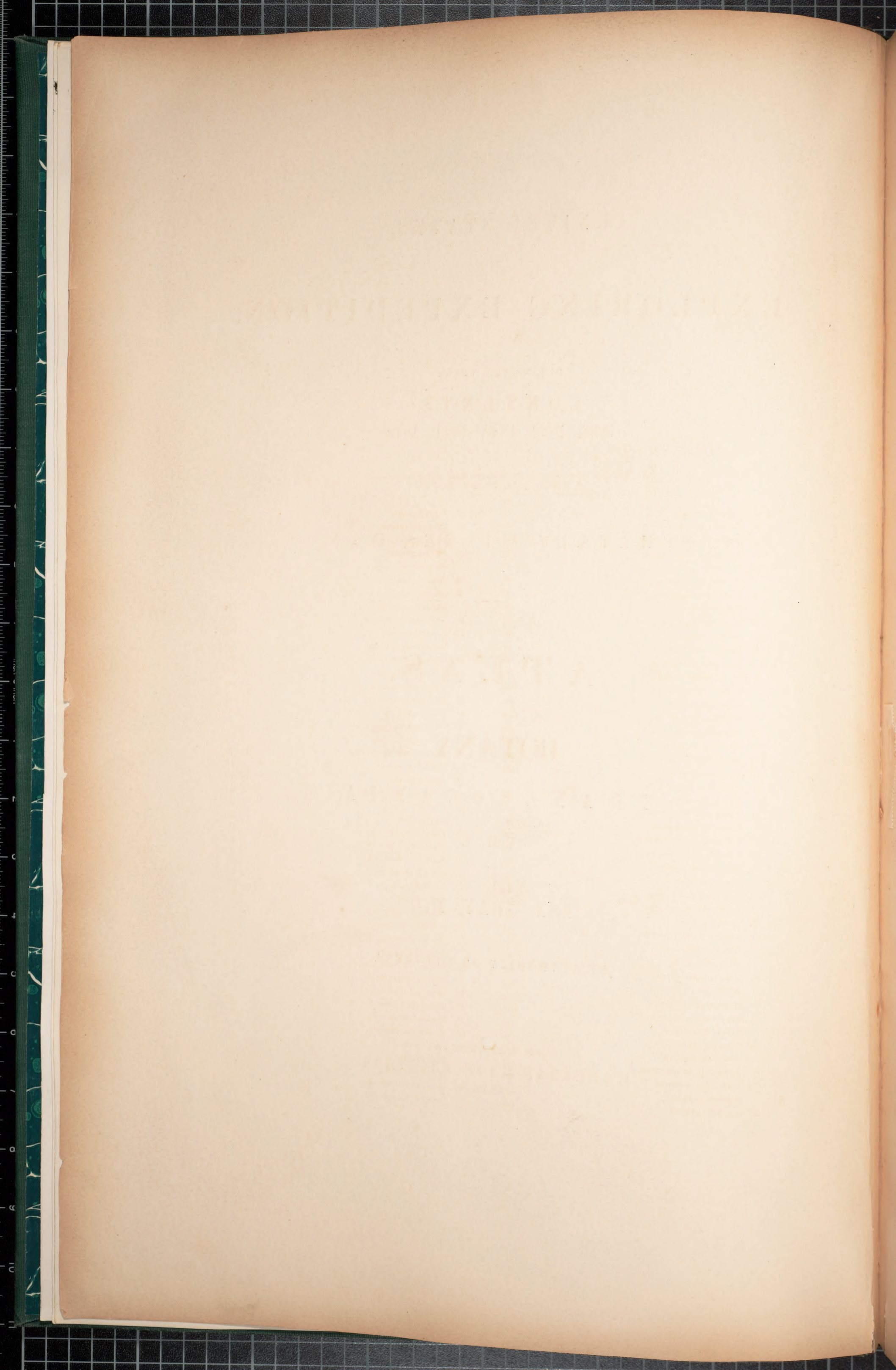
BY

ASA GRAY, M.D.

BY AUTHORITY OF CONGRESS. /



PHILADELPHIA:
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1856.



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Capellia biflora.

Sprague del.

W. B. Woodw. sc.



Richella monosperma.

Sprague del.

H. H. Dengal. Sc.



A. *Cremolobus aphanopterus*.

B. *Sisymbrium atrocarpum*.

Sprague del.

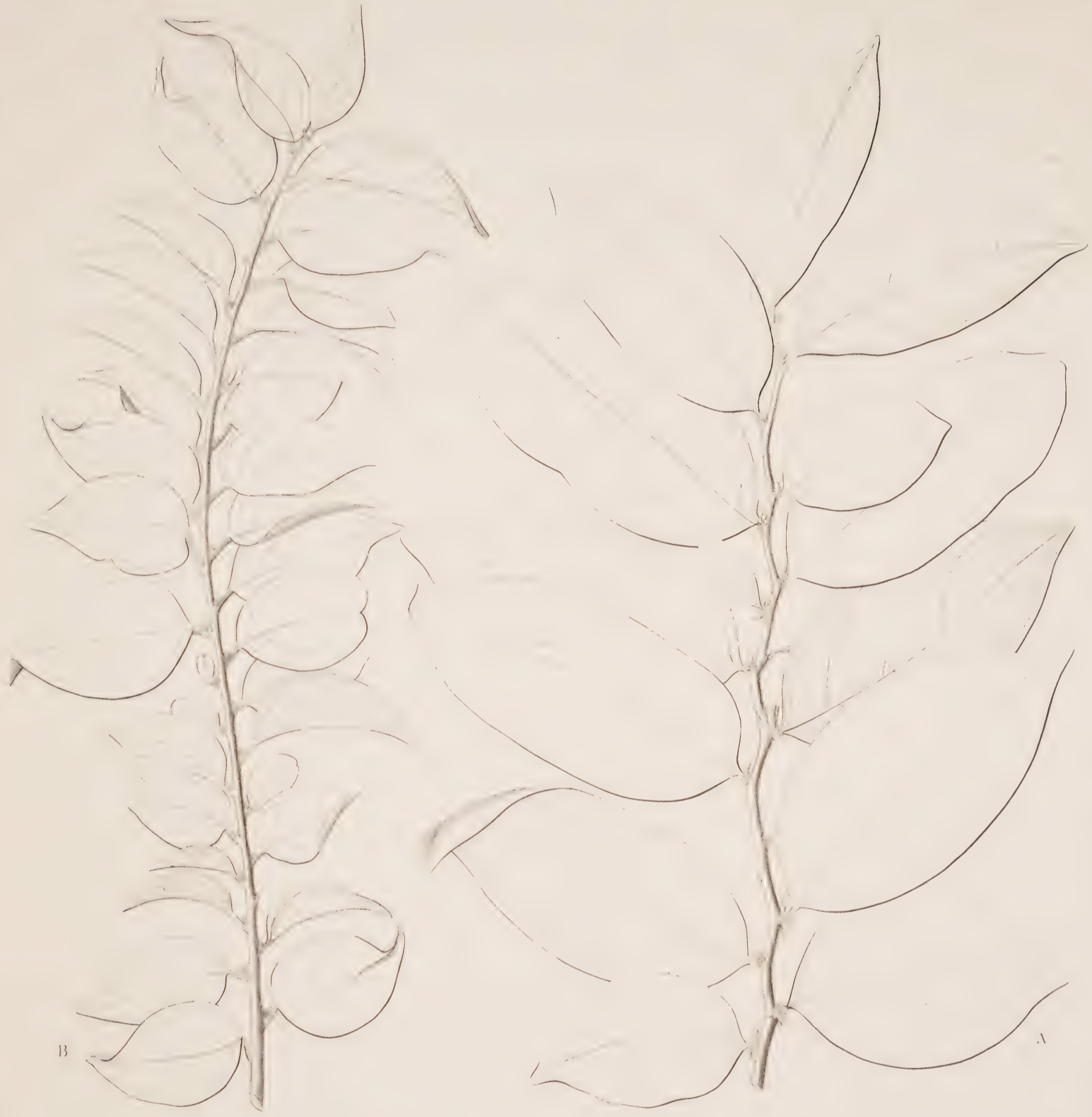


A. *Xylosma suaveolens*.

B. *Xylosma orbiculatum*.

Sprague del.





B

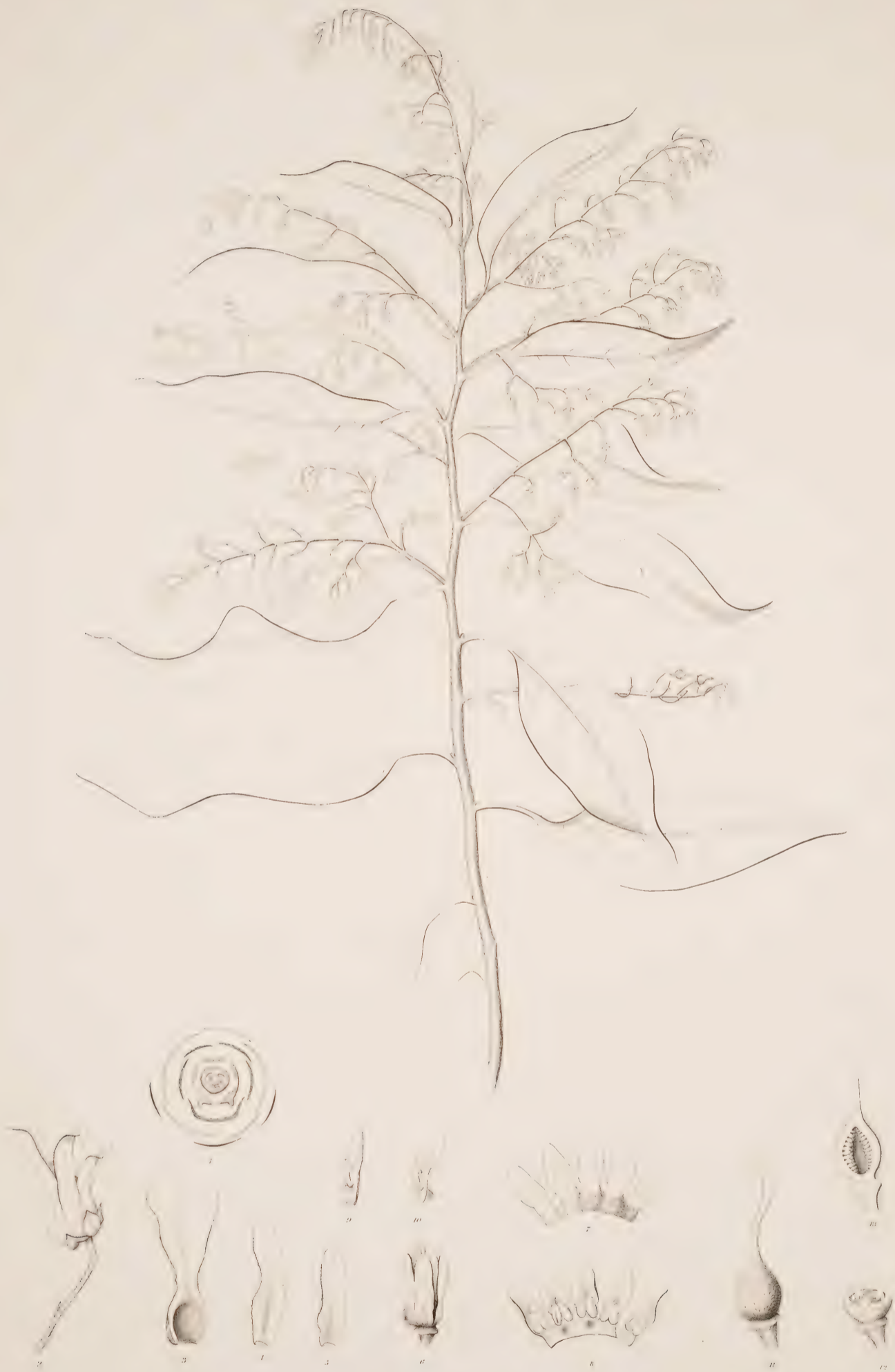
A



B. *Casearia Richii*.

A. *Casearia disticha*.





Agatea violaris.

Sprague del.

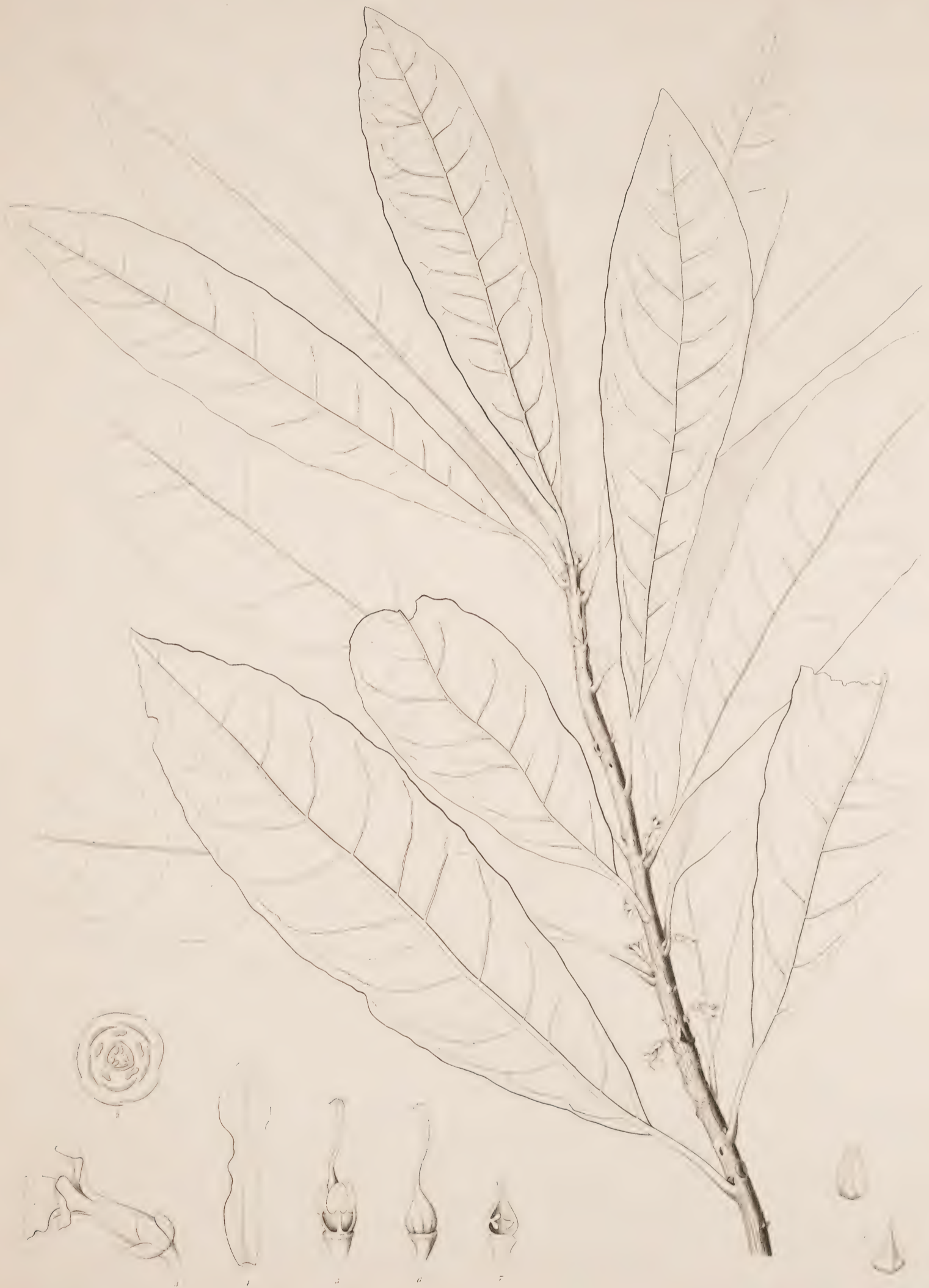
H. H. Dougal Sc.



Sprengel del.

Isodendron pyrrolidum.

H. H. Dugol Sc.



Isodendron longiolum.

Sprague del.



B. *Silene lanceolata*.

A. *Silene struthioloides*.

Syracuse del.



A. *Schiedea spergulina*.

B. *Schiedea diffusa*.

Sprague del.



Hibiscus Brackenridgei.

Sprague del.



Firmiana diversifolia.

Syngue del.



Diehlocaerus Riehii.



Draytonia rubicunda.



A. *Discostigma Vitiense*.

B. *Vavaea Amicorum*.

Synopsis anal. fidei.



A. *Pittosporum brackenridgei*.

B. *Pittosporum tobiroides*.



Pittosporum rhytidocarpum.

Spreng. del.



Pittosporum confertiflorum.



Didymochiton Richii.

Hutton del.
Sprague and C. Scrib.

J. Douglas del.

W. H. Fisher sculp.



Hiptage myrtifolia.

Sprengel del.



A. *Alphitonia zizyphoides*.

B. *Alphitonia franguloides*.



Catha Vitiensis.

Sprengel del.

P. H. Donnell Sc.



Perrottetia Sandwicensis.

Sprague del.



A. *Ilex Vitiensis*.

B. *Byronia Taitensis*.

Agate del.
Sprague anal. fecit



Byronia Sandwicensis.

Sprengel del.





Pleuropetalon samoense.

J. Douglas, Edult.

Sprengel anal. Edult.

W. H. Dudley, St.





Rhytidandra Vitiensis.





A. *Geranium multiflorum*. B. C. D. *Geranium cuneatum*.





Geranium ovatifolium

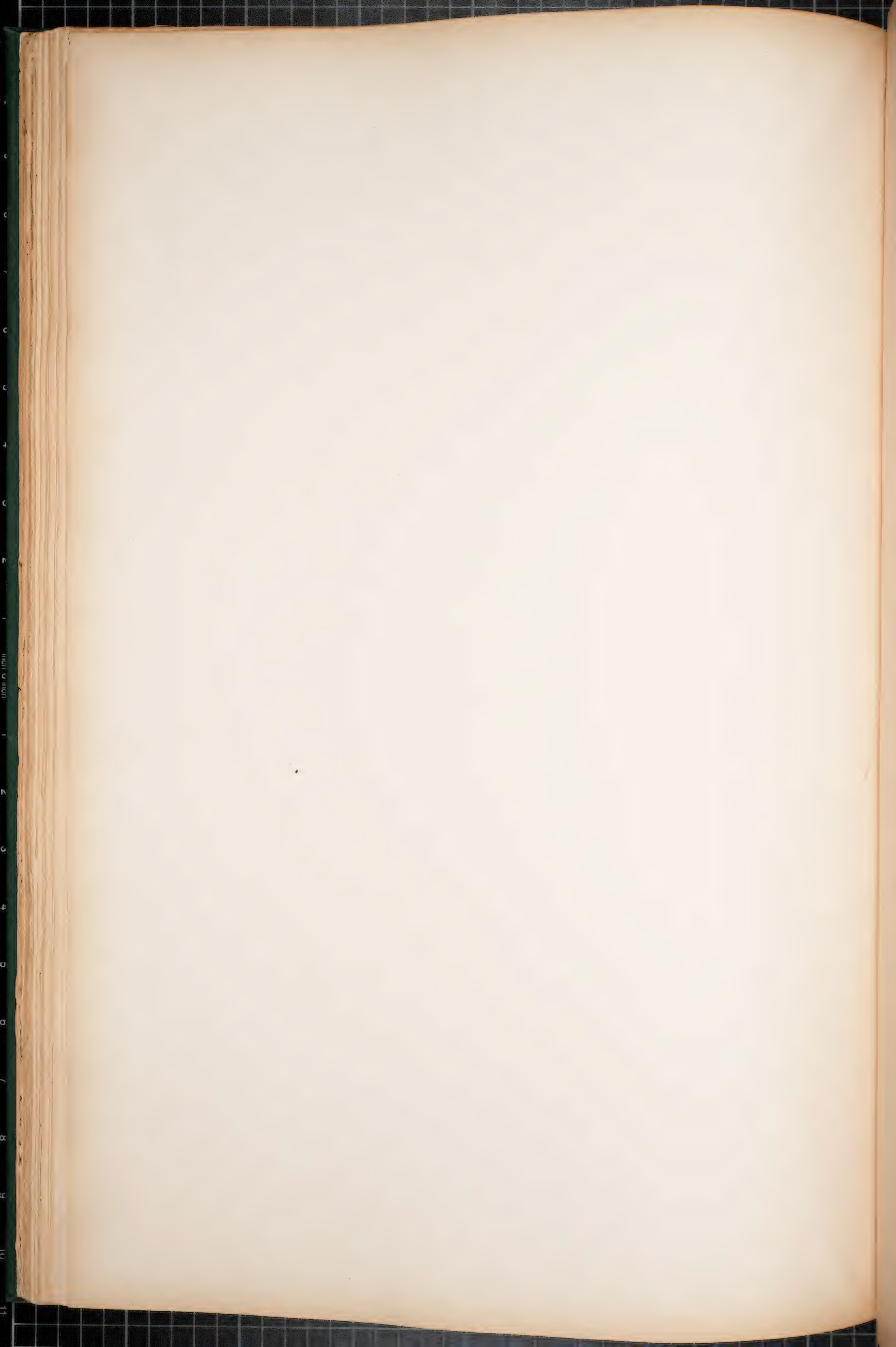
Sprague del.

W. H. Doolittle Sc.





Geranium arboreum.





Acronychia heterophylla.





A. *Acronychia petiolaris*.

B. *Acronychia Richii*.

Sprague del.





A. *Acronychia retusa*.

B. *Pelea lucida*.

Hutton del.
Scripps anal. fecit.

J. Douglas, Edm.





Pelea elusivifolia.

Sprague del.



Pelea auriculata-fovia.





A. *Pelea rotundifolia*.

B. *Pelea Sandwicensis*.

Sprengel del.

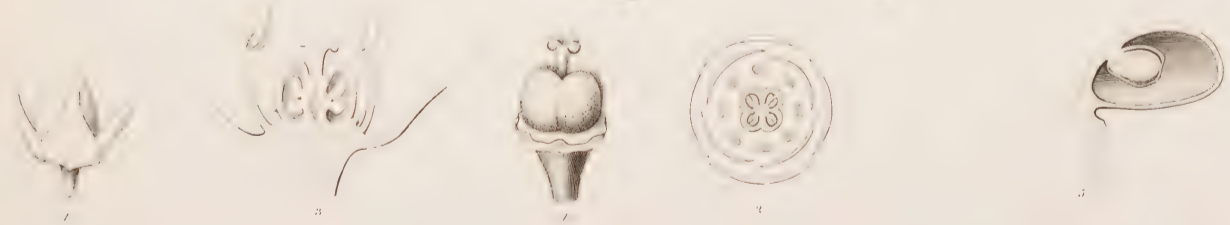
W. H. Douglas Sc.



Syngue del.

Pelea voleana.

W. H. Douglas sc.



A. *Melicope cinerea.*

B. *Melicope barbigerata.*



Amaroria soulameoides.

Synonym: oval, strict, oval.

W. H. Dudley, Sc.



Gomphia linearis.

Sprague del.

W. H. Harvey sculp.



Brackenridgea nitida.

Sprague anal. Herb.

A. D. Don



Oncocarpus Vitiensis.

Hutton del.
Sprague anal. text.

Tuckerm. fr.

J. Dougl. ex L. f.



Sprengel anal. bot.

A. *Buchanania florida*

J. Douglon. Edit.

B. *Rhus simarubifolia*.



Connarus Pickeringii.

Agate del.
Sprague anal. fecit.

A. Grayson. Edid.



Agati tomentosa.

Sprague del.



Streptodesmia caulescens.

Spreng. det.

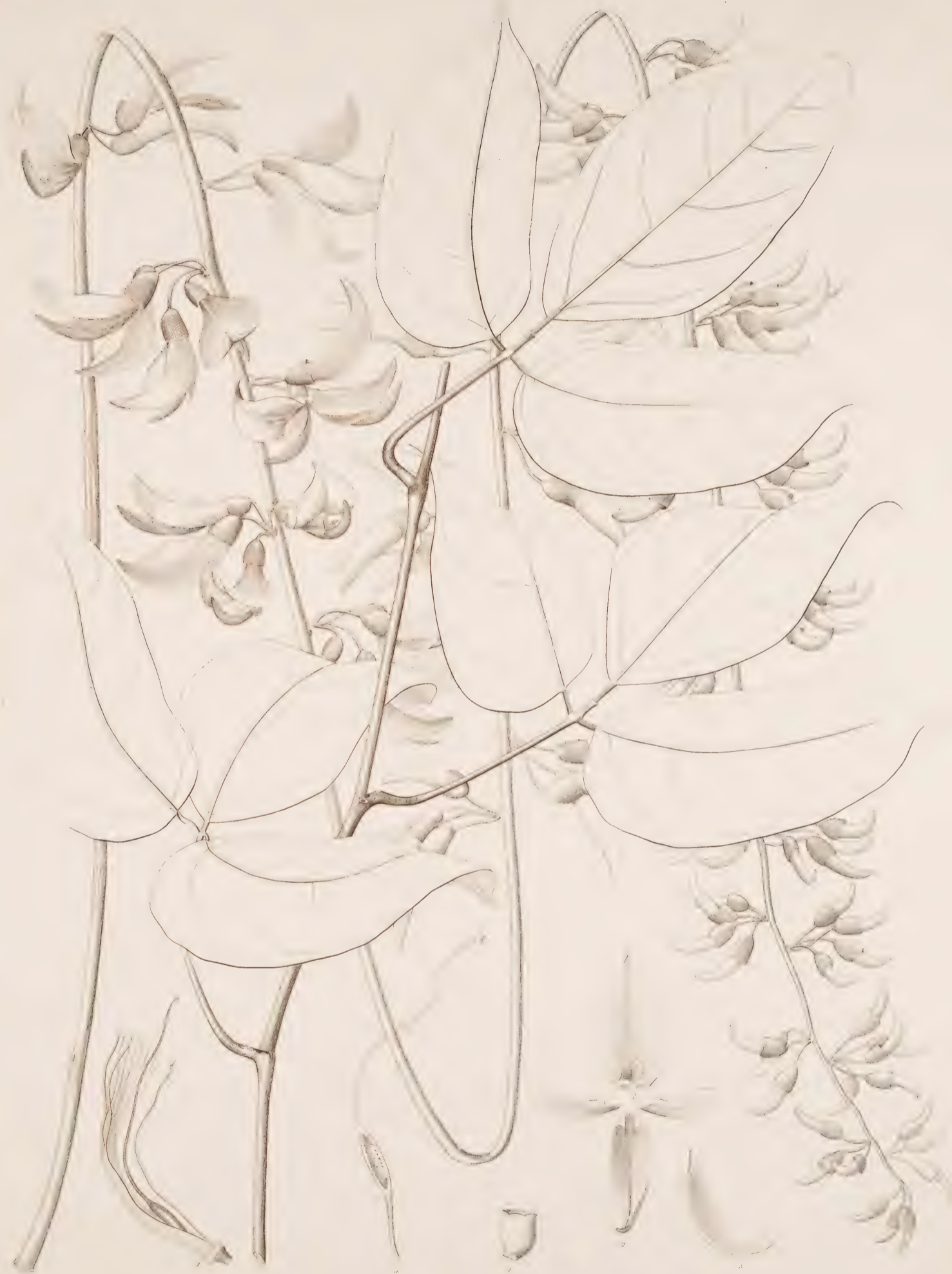
H. B. Don, del. Sc.



Strongylodon ruber.

Sprengel del.

W. H. Douglas Sc.



Strongylodon macrobotrys.



Vigna sandwicensis.

Sprengel del.

W. H. Douglas Sc.



Afzelia bijuga.

Sprague del.

W. H. Dana del. S.



Cynometra grandiflora.

J. Douglas, del.



Sesuvium and. det.

A. *Pongamia glabra.*

B. *Acacia Richii.*



A. *Parinarium Margarata*.

B. *Parinarium insularum*.

Sprague del.

W. H. Douglas sc.



Parinarium laurinum.

*Leite del.
Sprengel and. fecit*



Rubus Hawaiensis.

Sprague del.

W. H. Woodcut.

Rubus Maccreri.

Mr. H. Deighton sc.



L. S. Rayburning. Rayburning.

HORN & CO. PH. D.



Pauperia Reichb.

W.H. Bennett del.



L.S. Kappeler sculp.

ROTHSCHILD PAPERS



Hamamelis neurocrilix

Pl. II. Fig. 28.



J. S. Explaning. Kopenhagen.

Botan. v. Pl. 50.

A. *Boegenia variflora*.

B. C. *Nelhus Vitensis*.

D. *Nelhus frutescens*.





A. *Eugenia brachyandra*.

B. *Eugenia confertiflora*.



Wegelia Amicorum.

M. H. Douglas Sc.



L. S. Rayburny Repeditum.

BOTANICAL PL. 68.



Eugenia rubescens.

H. L. Dougl. Sc.



E. S. Gardner, London.



Fragaria corymbosa

H. H. Dougl.



Fragaria corymbosa

Botany, Pl. 61.



Eugenia clusiofolia

H. B. K. Bot. Berol. 1793. Tab. 103. Fig. 1.



Eugenia clusiofolia Lamour.

BOTAN. TAB. 103.



A. B. *Lama cheken*.

C. *Lama corrafolia*.
D. *Lama obtusa*.
II. II. Bengal S.



J.S. Hyming, Kaptun.

507A. 7. Pl. 60.



Actinopterus myrtoides.

1877

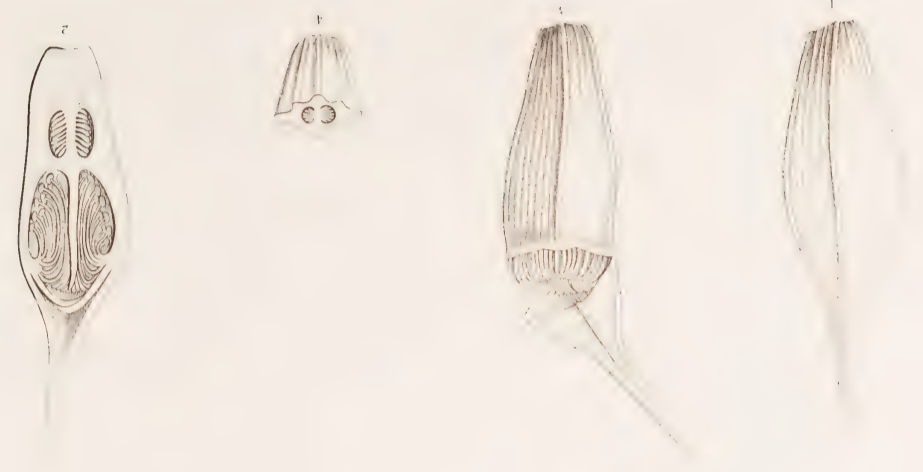


PLATE XXXI. FIG. 17.

U.S. Exploring Expedition



Metrosideros collina, var. Vitiensis.



A. *Metrosideros rubra*

B. *Metrosideros lutea*



Metrosideros Metropus.



Mentzelia californica



A. *Astromma fraterna.*

B. *Astromma Pickettii.*

C. *Astromma parviflorum.*



Recept. 27

Ptelechthon crassifolia.



P. S. Eschschm. Kipudhion.

Chidemia chaetocalyx.



Medulla heterophylla



Haplopetalon Richth.

Dr. H. Sprague det.



Haplopetalon Richth.

BOTANICAL PL. 70.

Sporium und riv.

A. longicauda

longicauda

Trossostylis biflora



E.S. Kington, Kington.

HOFFMANN, Pl. 77.

Synonym. det.

Gunnera petaloides.

W. H. Douglas Sr.

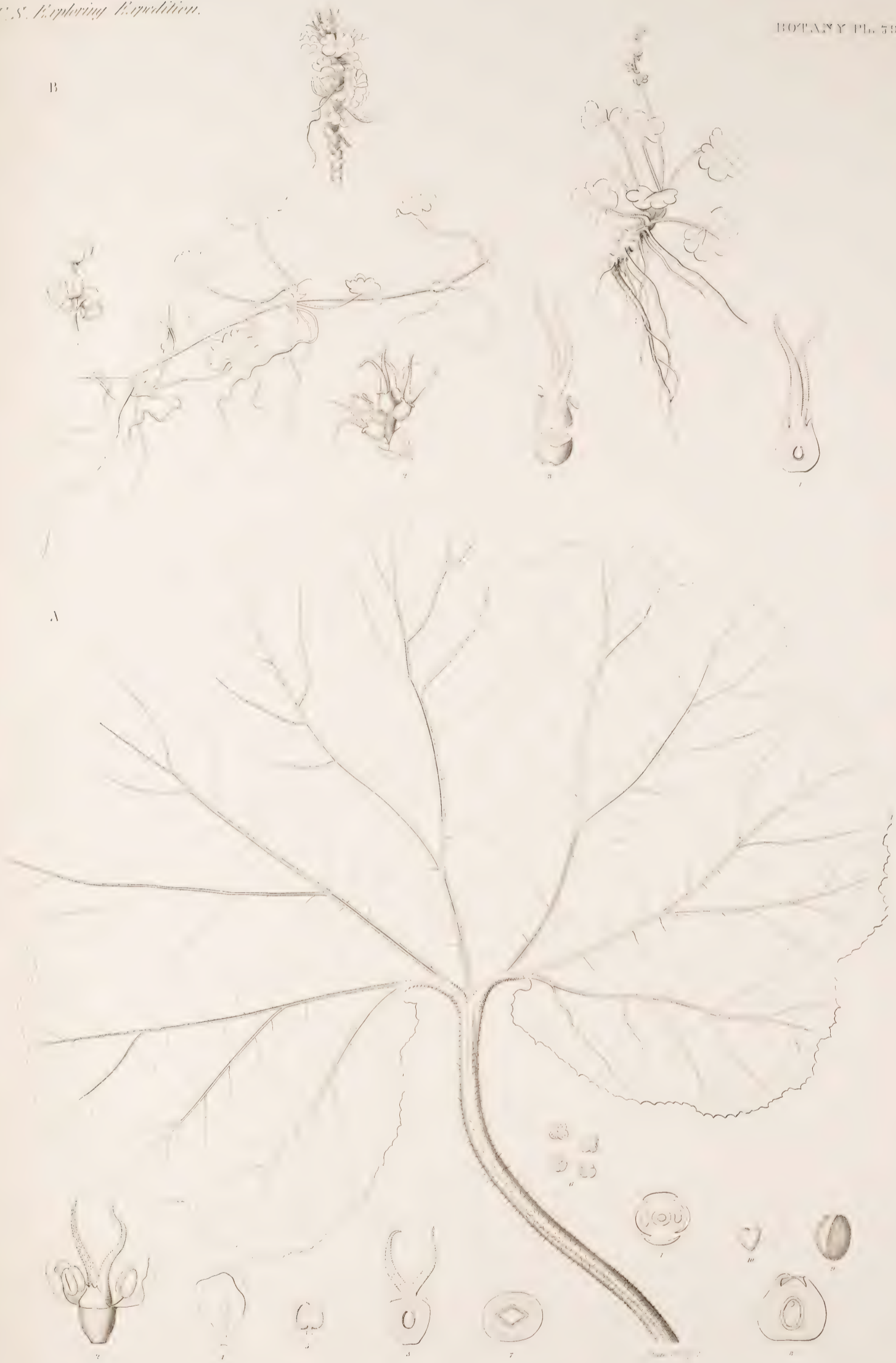


J. S. Epling, Epiphthum.

HOTAN Y. PL. 7B.

B

A



A. *Gunnera petaloidea*

B. *Gunnera lobata*.

Spangue del.

H. E. Donnell sc.

Stegos pachycarpus

M.H. Douglas



1811

Sicyos macrophyllus.

1811



S. Kuhnii Kuhnian.

BOULEVARD XX. 171. 81.



Steyos cucumerinus.

W.H. Deagul sc.



L.S. Knaptony Ripeditum.

BOTANY, PL. 82.



11
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Joseph O. Jorch
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17 11. 1847. N.

A. longifolia

Spiraea

B. *Spiraeanthemum Vitense*.

A. *Spiraeanthemum Santocense*



BOYAN Y. PLA. BM.

F. S. Explaning Exposition



H. H. Bory de Saint-Vincent

Weinmannia roseifolia

Scienc. nat.



BOISSIER, PL. RE.

S. K. Schimper, Bot. Zeit.





B. *Weinmannia Richii*.

A. *Weinmannia parviflora*.

W. H. Douglas Sr.

Species III

W. S. Knaptony Knaptony.

BOTANY, PL. 83.



Trichostema tenuata.



T. S. Kephartii Kephart.



Prostrata arguta.



BOTANICAL PLATE



Sauvignia Sandwicensis.

W. H. Long, del.



L. S. Lophocarpus Sandwicensis.

BOUEN, PL. 88.



Aralia Vitensis.



L. S. Knaptony. Sculpitum.



Hedera Gaudichaudii.

H. H. Dougl. Sr.

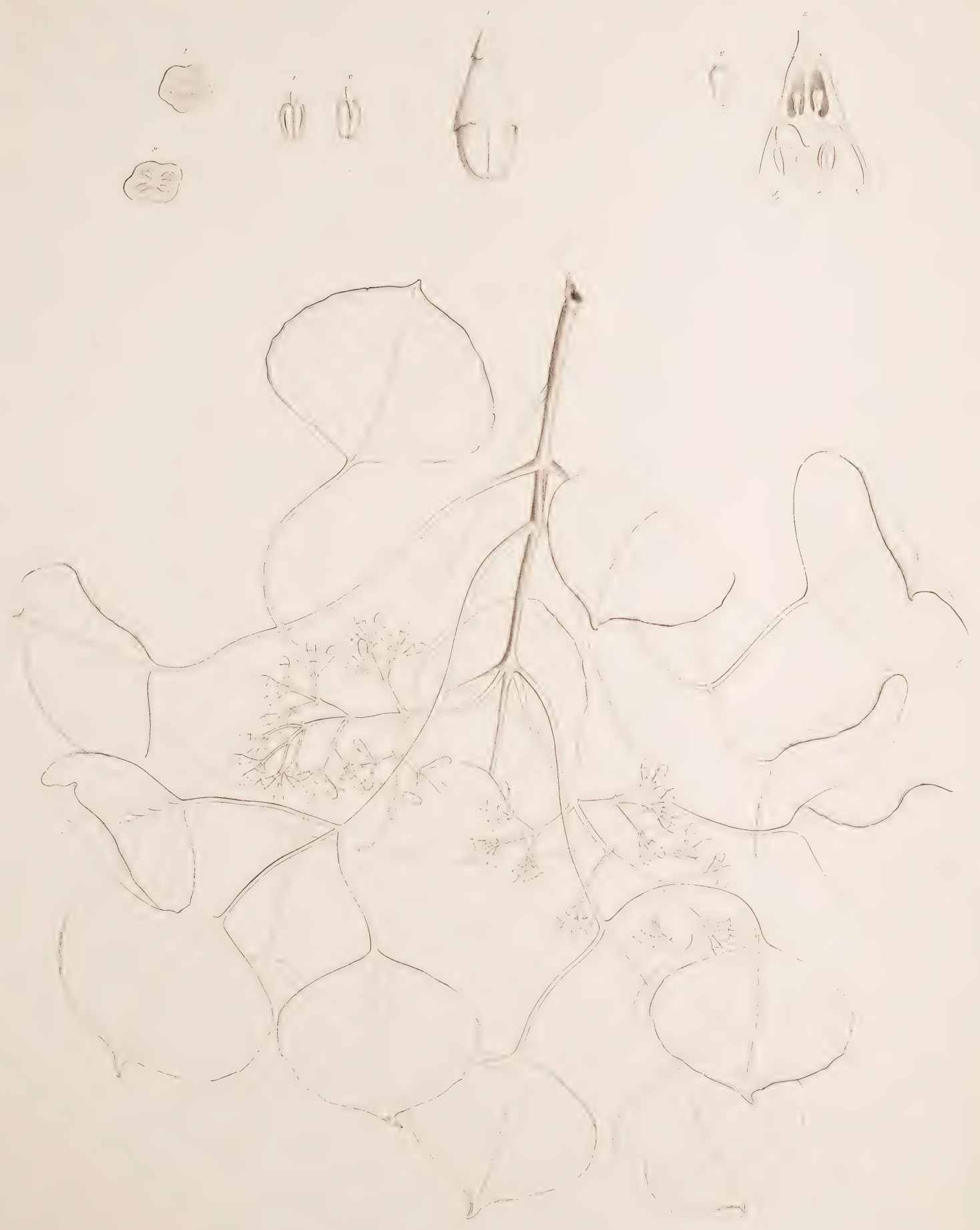


L. S. Ephemery, Eschschm.

ROTHMAN, PL., 90.



Hedera platyphlla.





Reynoldsia Sandwicensis.



L. S. Knapton, Kapaikapa.

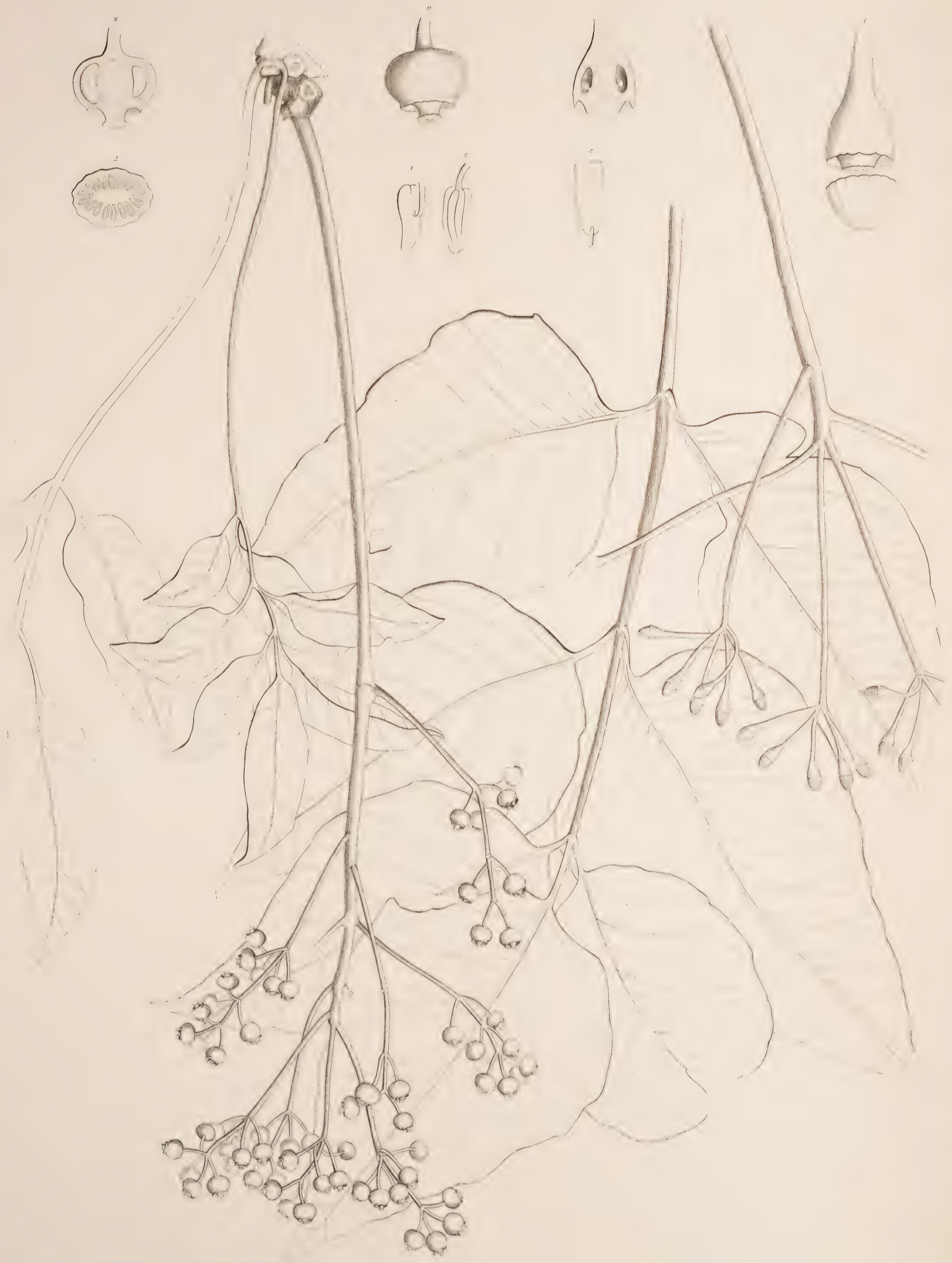
HOTAN Y, PL. 92.



Spargue del.

Reynoldsia pleiosperma.

W. H. Bennett Sc.



L. S. Knaptony Lapidation.

BOTANY PL. 93.



Tetraplasandra Ilawakensis.

W. Al. Douglas, Sc.



W. S. Lophomy, Reprothou.



Pterandra Pterandra



Pterandra Pterandra



Botryodendrum Tahense.

W. H. Douglas Sc.



J. S. Knapton Sculp.

BOTANY, PL. 56.



Botryodendrum macrophyllum.



W. H. Bull.

T. S. Lapham, Fepithon.



Loranthus insularum.



W. S. Knapton, Esq.



Loranthus myrsinifolius

W. H. Douglas Sc.



L. S. Eplingii Eplingii

BOFFARYS PL. 99.



Loranthus elastroides.



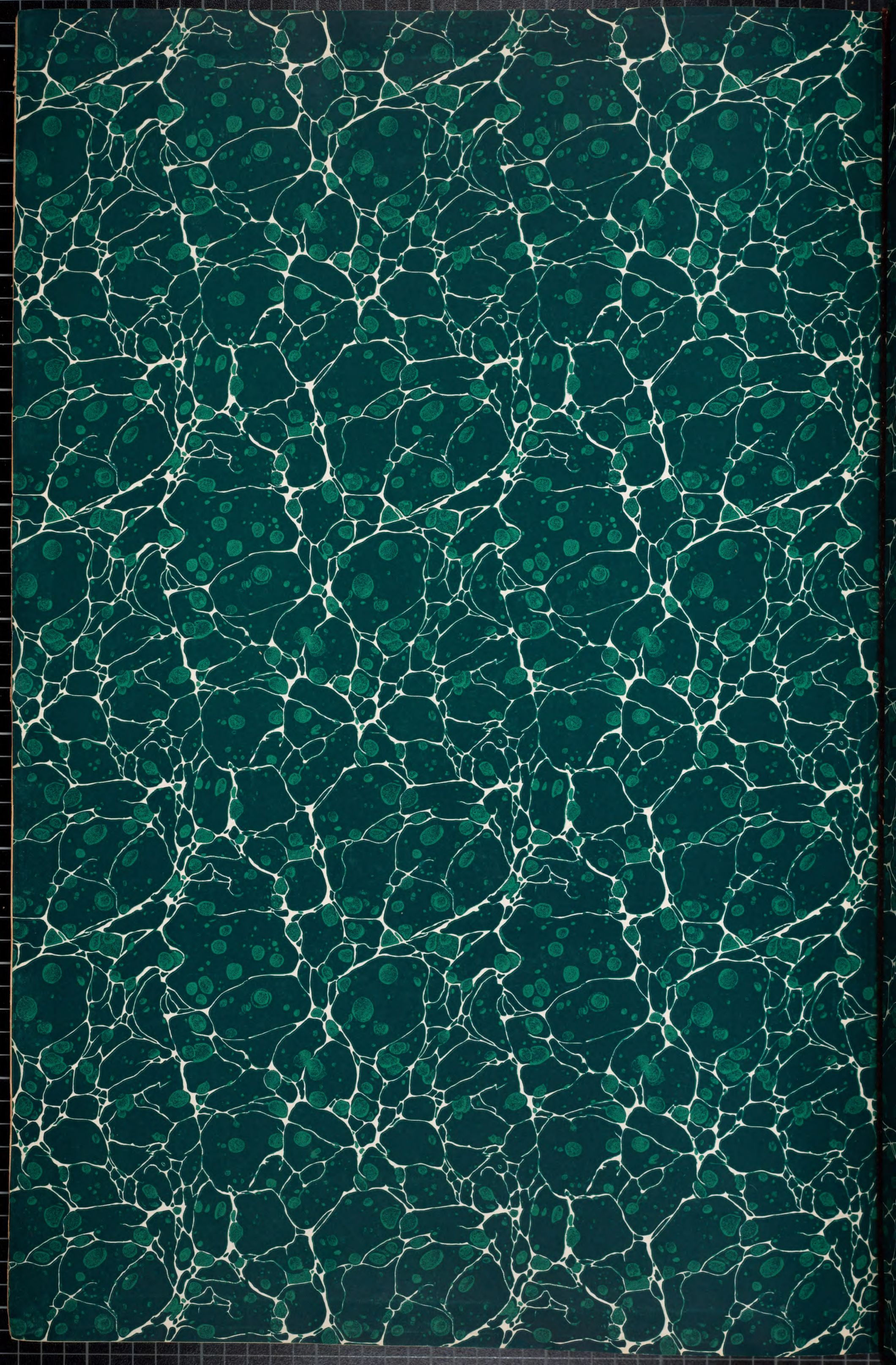
S. H. Ravenel, Hesperian.

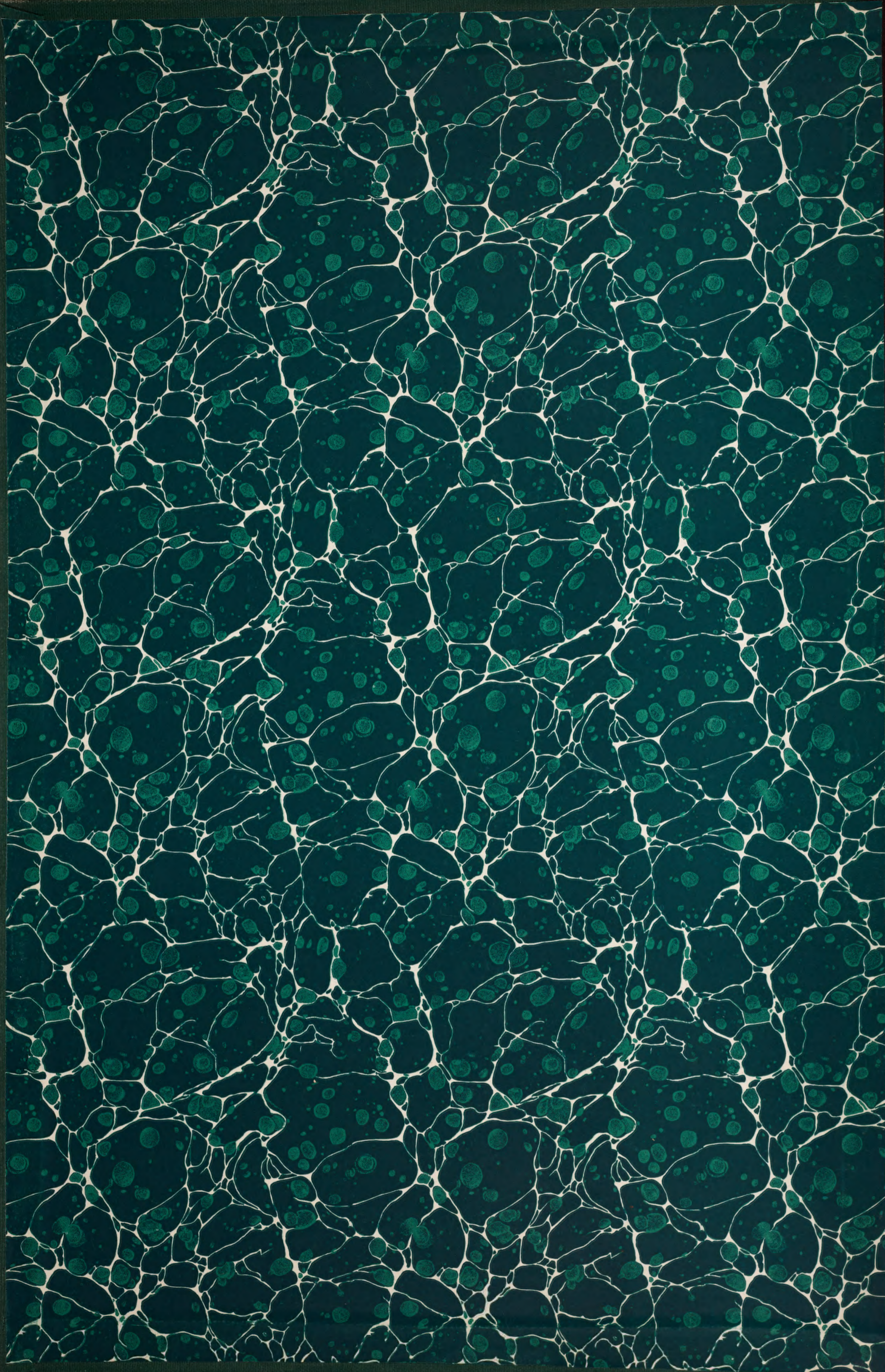
BOTANICAL PL. 100.











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