

GEORGE ENGELMANN
BOTANICAL NOTEBOOKS

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Gentiana japonica var.

pallida *concolor*, Keweenaw point

Isle St Ignace, Michigan

gleberrima

^{semitibus}

foliis e basi late obtuse (subcordatis ?) lanceolatis,

marginibus laevibus.

floribus ad apicem vel etiam in axillis superioribus
late aggregatis.

Calycis lobis lanceolatis (non linearibus) tubum suum

paucis angustibus

erectis

corollae lobis brevibus acuminatis, appendicibus

truncatis, recurvis, s. deflexis, plus minus

superantibus;

semitibus anguste marginatis

near *G. japonica*, distinguished by the smooth
broad-based leaves, and smaller, paler flowers.



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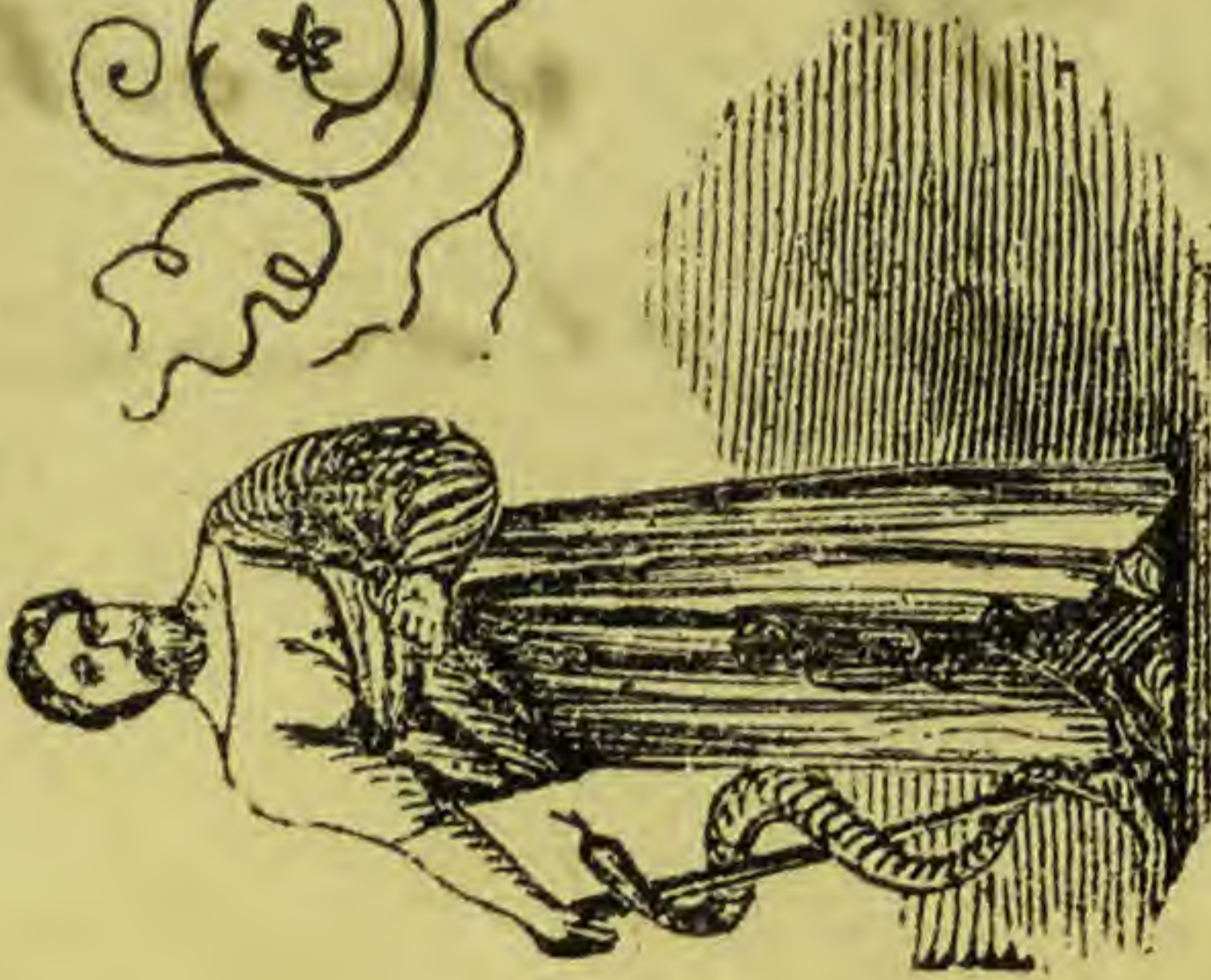
MISSOURI
BOTANICAL
GARDEN

4057

Alex. Leitch,

APOTHECARY & PHARMACEUTIST,

COR. 4TH & OLIVE STS., ST. LOUIS.



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[Faint, illegible handwritten text]



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Gentiana Saponaria var
Keweenaw. Lake Superior

May 17 1866

Robbins 1863



var *latifolia* *lewisianae* *pallida*



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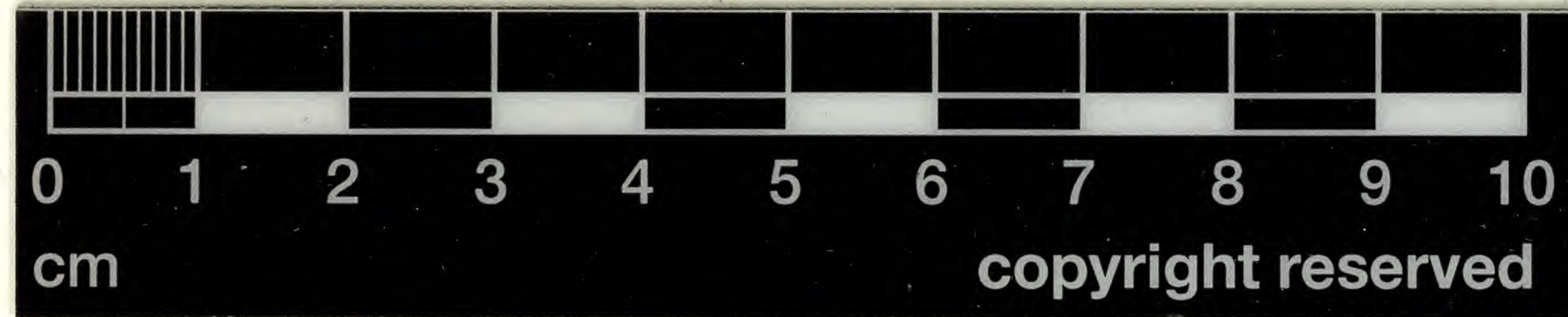
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JONES & LETTICH
Druggists
 Cor. Fifth & Market Sts. ST. LOUIS, MO.

J. McKittrick & Co. St. Louis, Mo.

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Gentiana alba Muhl

Dec 1861

St Louis



fruit



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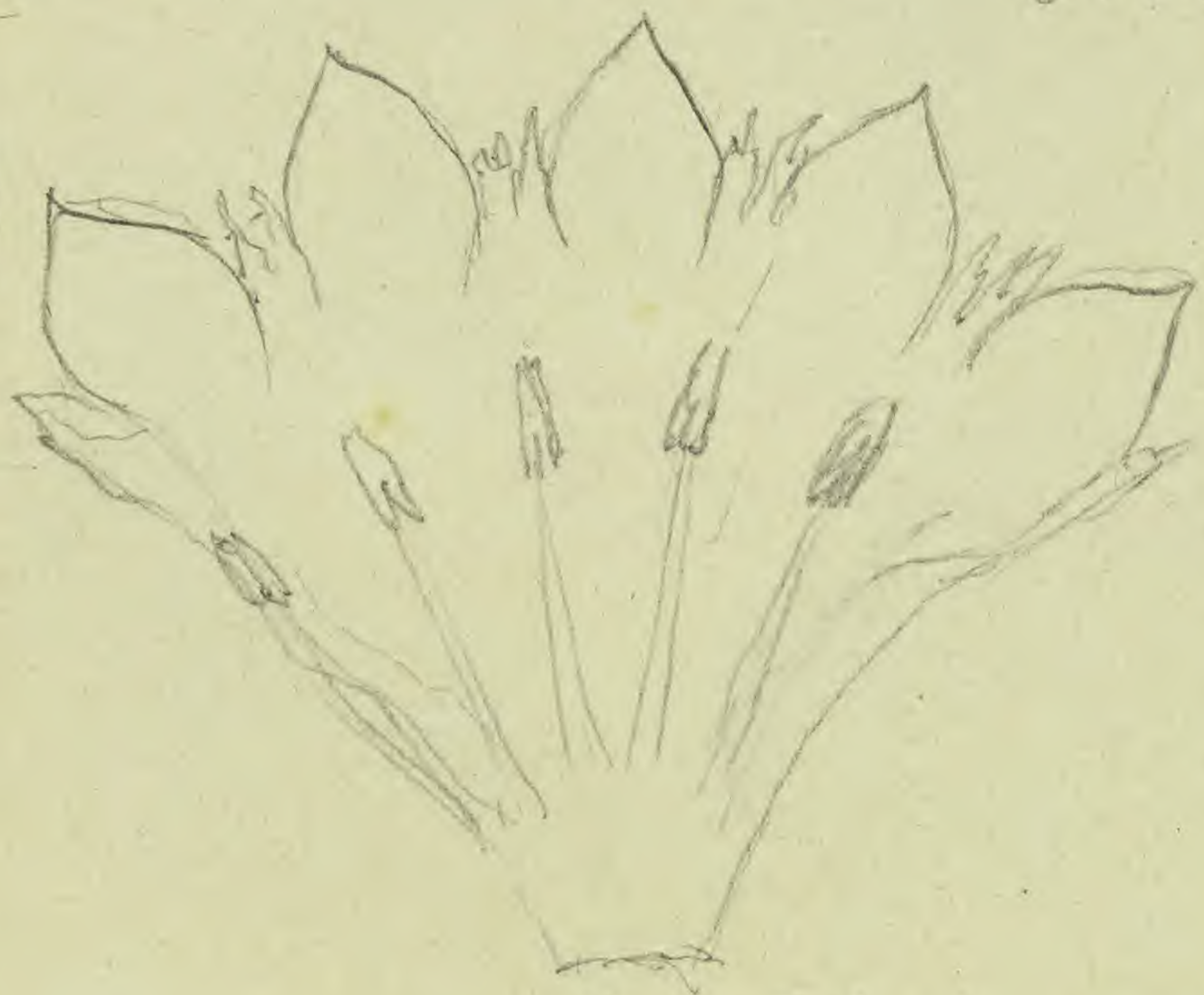


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G. puberula

Howe

Dec 1866



anther liberis



lobes ovate acute or
cuspidate,
folds $\frac{1}{3}$ or $\frac{1}{2}$ their length
deeply bifid, acute tooth
partes lanceolatis
anthers rarely united.



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724 *Gentiana Newberryi* Gray 1855

Nov 6 1876

Crater Pass Cascade Mountains Cal 44

alt 6000

J Newberry



ovule

x 30



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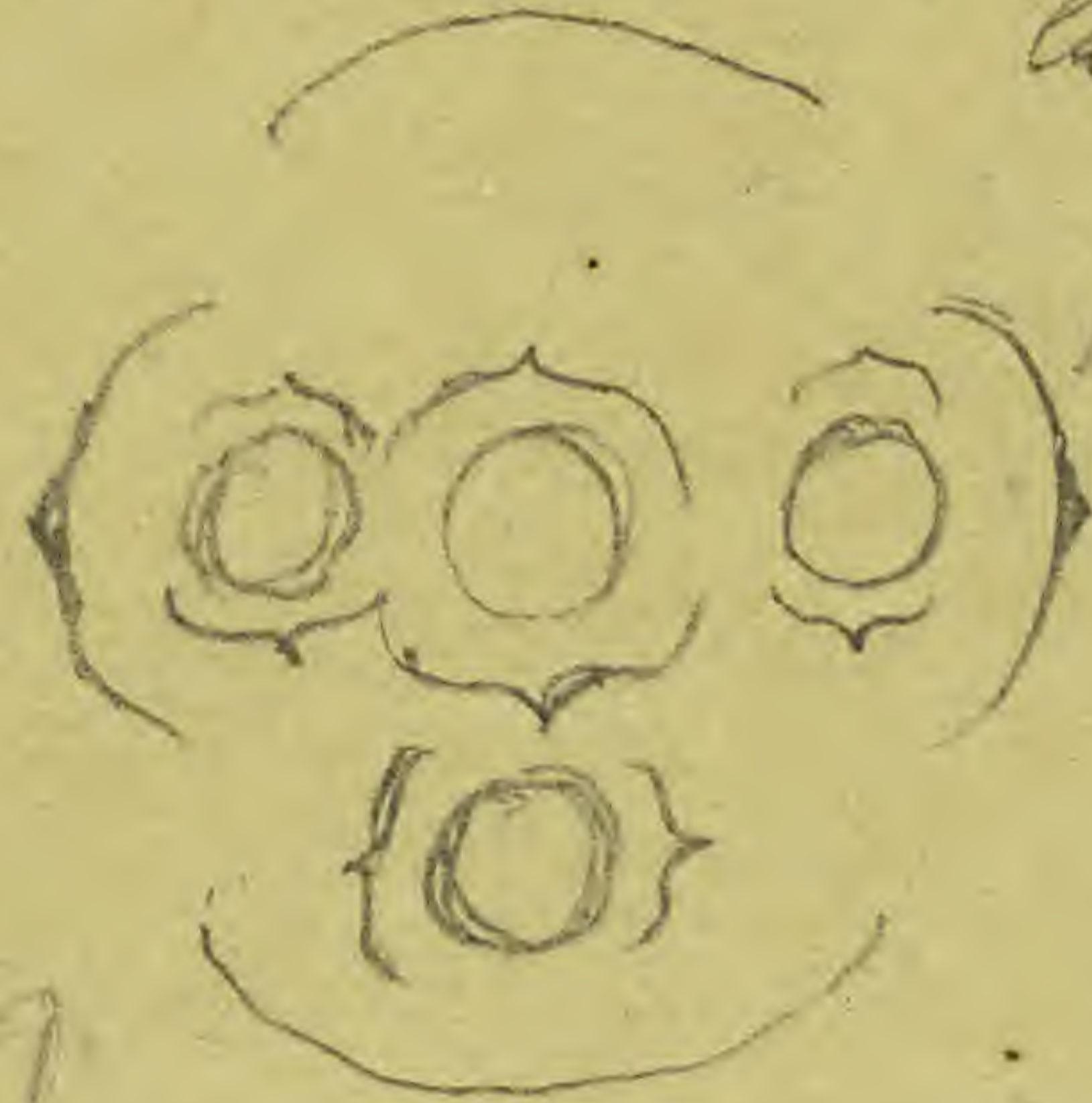
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Geatiana Perryi

Nov 1874

Upper Clear Creek Valley Sept 9th 74
overgrown 4-5 flowered specimen 12-15 inches high

largest plants 4, rarely 5-
flowered,
flowers 2 (very rarely 1)
bracteolate.



filaments deep
purple
when free

mature
open
capsule

mature seed
x 30
reticulate - lined

Edges of stem &
leaves x 50



spathe or
calyx

bilobed calyx, thin
membranaceous, sepals
indistinct by indistinct
knobs only



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Jan 1875

Gentian Soepha. (Prenanthes)

erect clute, foliosa, multiflora — foliis ovatis
lobis oblongo-pandemly ^{irregularibus} ~~oblongo-~~ ~~obtusis~~ ~~ob-~~ ~~longis~~
corollae lobis rhomboidibus
plicis angustis truncatis fere sequentibus
stemibus ⁱⁿ medio tubo ^{adnatis} quae ⁱⁿ fere ⁱⁿ angustis
antheris ^{liberis} ~~prostitis~~ sequentibus, capsulis seminibus oblongis
exalatis, Hall - Meadows Selam, Bolander, Mendocino

var. humilis ~~decumbens~~ ^{decumbens} ^{caulis} ^{semper} ^{partim}
decumbens, ^{subtus} ^{floribus} foliis oblongo-linearibus, ^{caulis} ^{super} ^{fissis} ^{partim}
Sphagnum swamps, on the coast near Cap Foulwall
E. Hall 1871. ^{N. Hall}
Flowers larger than in affinis,
and with very narrow truncate plicae
Affinis has a erect stem, many flowers
small flowers and with bifid acute plicae
and winged seeds

No. 426

N. W. Corner of Garrison Avenue and Locust Street.

Dr. GEORGE ENGELMANN,



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Dec 1874

Gray man refers

G. Elliottii Chap to

G. puberula

but calyx lobes so much longer,
anthers cohering, and accordg to
Chap ovules covering inside of ovary

In *G. puberula* calyx lobes short
anthers free, ovules, accordg to Gray only on
the placental sutures



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with such fragments,
but the chance of their
sometimes being of in-
terest and value, some-
times induces me to
take and give more

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- commentario ill. L. Agassiz, et praefatus est Martius. C. eff. autoris et
96 tab. col. Mon., 1829—31. fol. *Rb* 65 $\frac{2}{3}$
- 33 — Testacea fluviatilia, quae in itinere per Brasiliam collegit, illustr.
J. A. Wagner, ed. F. a P. de Schrank et C. F. P. de Martius. C. 29
tab. col. Mon., 1827. fol. *Rb* 13 $\frac{5}{6}$
- 34 — Delectus animalium articulorum, quae in itinere per Brasiliam
collegerunt Spix et Martius, cum commentario M. Perty, et praefatione
C. F. P. de Martii. Acc. diss. de insectorum in America meridionali
habitantium vitae genere, moribus et distribut. geograph. C. 40 tab.
col. Mon., 1830—34. fol. *Rb* 44 $\frac{2}{3}$
- 35 — u. **Martius**, Reise in Brasilien, v. *Martius*.
- 36 **Sprat**, Th. History of the Royal-Society of London. London 1667. 4.
veau. rel. fat. *Rb* $\frac{5}{6}$
- 37 **Sprengel**, Chr. K. Das entdeckte Geheimniss der Natur im Bau u.
in der Befruchtung der Blumen. Mit 25 Kpfrtaf. Berlin 1793. 4. d. rel.
Rb 1 $\frac{1}{2}$
- 38 **Sprengel**, K. Anleitung zur Kenntniss der Gewächse. 3 Bde. M. 18
Kpfn. Halle 1802—4. 8. d. rel. (*Rb* 5 $\frac{1}{2}$) *Rb* $\frac{2}{3}$
- 39 — Dasselbe Werk. 2. umgearb. Ausg. 3 Bde. Mit 25 zum Theil
color. Kpfn. Halle 1817—18. 8. d. rel. (*Rb* 8 $\frac{2}{3}$) *Rb* 1 $\frac{2}{3}$
- 40 — Neue Entdeckungen im ganzen Umfang der Pflanzenkunde. 3 Bde.
M. Kpfn. Leipz., 1820—22. 8. cart. (*Rb* 6 $\frac{2}{3}$) *Rb* 1 $\frac{1}{3}$
- 41 — Florae Halensis tentamen novum. Cum 3 supplementis et 18 ta-
bulis in 2 voll. Halae 1806—15. 8. cart. *Rb* $\frac{2}{3}$
- 42 — Flora Halensis. Editio II. 2 sectiones. Halae 1832. 8. cart. (*Rb* 2 $\frac{1}{3}$)
Rb $\frac{4}{5}$

T. O. WEIGEL. LEIPZIG.

12746
Martius

97



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- art. 1. London 1829.
s. u. rel. *Rb* 1.
- 54 **Sterler u. Mayerhoffer.** Europa's medicin. Flora. Mit 80 color. Kpfn. München 1820. fol. mar. vert. tr. d. et les plats richement gaufrés. (*Rb* 26 $\frac{2}{3}$) *Rb* 8.
- 55 **de Sternberg, C.** Revisio Saxifragarum. Cum 31 tab. aen. partim color. Ratisbonae 1810. fol. cart. (*Rb* 37 $\frac{1}{2}$) *Rb* 14.
- 56 — Versuch einer geognostisch-botanischen Darstellung der Flora der Vorwelt. Heft 1. 2. Mit 26 color. Kpfn. Leipz., 1820. fol. br. *Rb* 3.
Epuisé et fort rare.
- 57 **Steudel, E. Th.** Nomenclator botanicus. Editio II. aucta. 2 voll. Stuttgardiae 1840—41. Très gr. in-8. d. rel. *Rb* 6.
- 58 **Stierlin, G.** Revision der europäischen Otiorhynchus-Arten. Mit 2 Nachträgen. Berlin 1861. 8. br. *Rb* 1 $\frac{1}{2}$
- 59 **Stimpson, W.** Synopsis of the Marine Invertebrata of Grand Manan. With 3 plates. Washington 1853. gr. in-4. br. n. r. *Rb* 2 $\frac{1}{2}$
- 60 **Stoll, C.** Représentation des Cigales et des Punaises, qui se trouvent dans les quatre parties du monde. 2 vols. Avec 70 planches coloriées. Amst., 1788. gr. in-4. d. rel. n. r. (Frcs. 80.) *Rb* 9 $\frac{1}{2}$
Texte en français et hollandais.
- 61 — Représentation des Punaises, qui se trouvent dans les 4 parties du monde. Texte en français et hollandais. Avec 41 planches coloriées. Amst., 1788. gr. in-4. cart. n. r. *Rb* 5.

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Gentiana acuminata
Rigi

Nov 20 1874



ovule
x20



seed x30

ribbed, 6-8 ribs
strongly transverse
rugose

anthers comitate
extrose



x4

x4

others have much larger
flowers, often peduncled
not bracted

(this seed was found loose
with a ripe capsule of
G. acuminata.)



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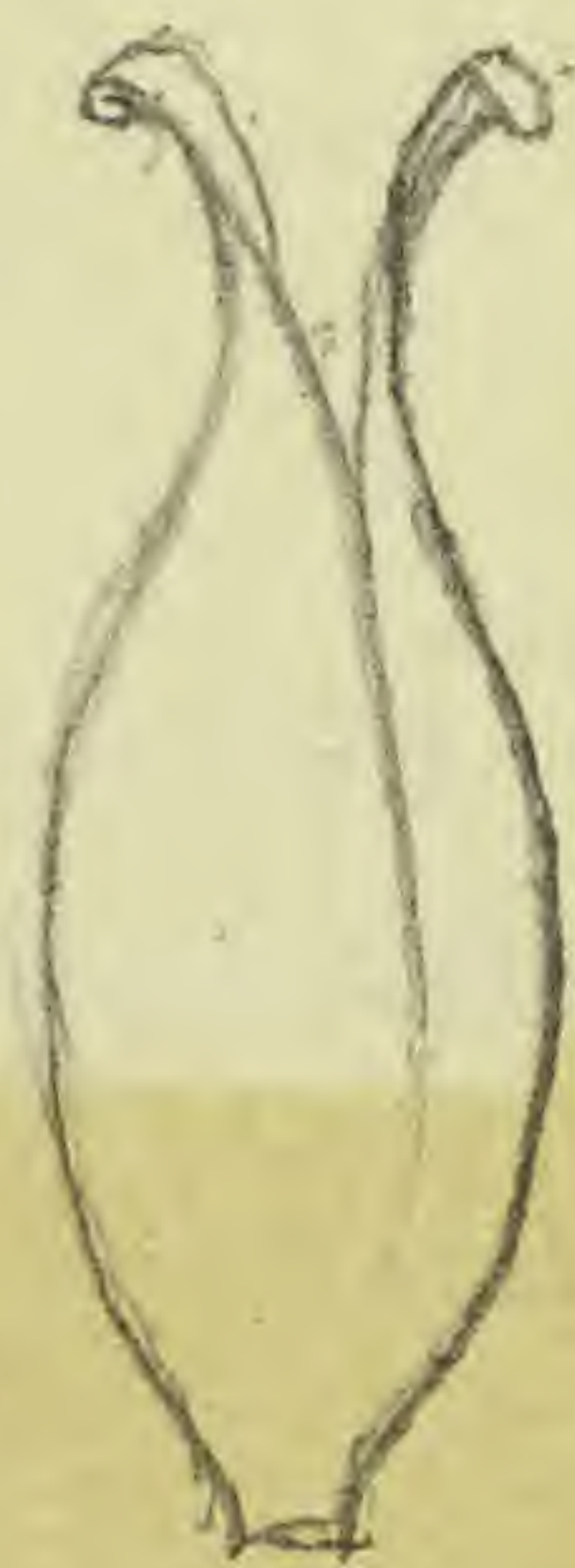
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Gentiana pennata
rigida

Nov 22 1874



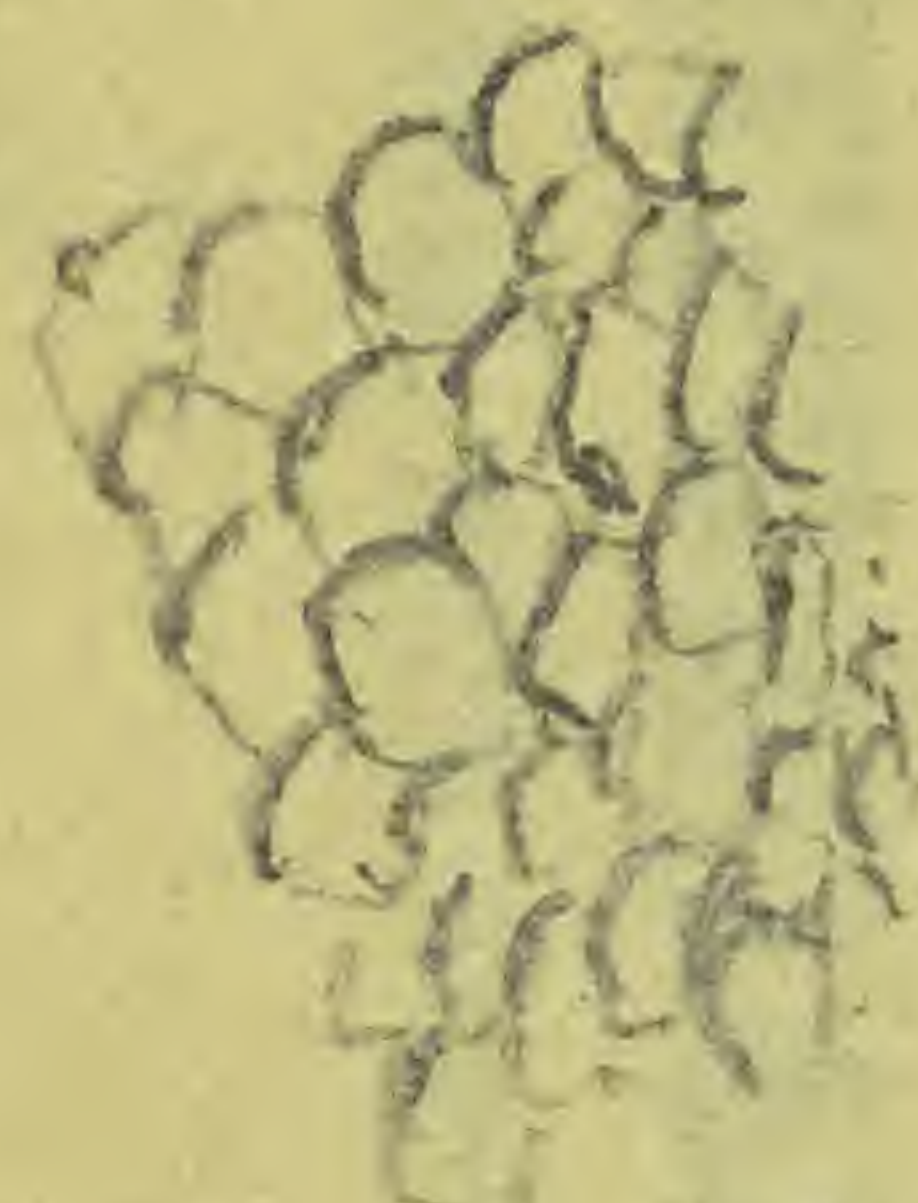
Corolla of 6 parts.



immature



Seed immature
x 10



reticulated
x 30



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- 1101 **Peithner, J. T. A.** Natürliche und politische Geschichte der böhm. und mähr. Bergwerke. 2 Thle. Mit Karte. Wien 1780. veau br. n. r. *Rb.* 1 $\frac{1}{4}$
- 2 **Pena, P. et M. de Lobel.** Stirpium adversaria nova. Cum multis fig. ligno inc. Londini, Purfoet., 1571. fol. veau. *Rb.* 3.
Légèrement raccommodé, en outre bel exemplaire.
- 3 **Percheron, A.** Monographie des Passales. Avec 7 planches. Paris 1835. gr. in-8. br. n. r. *Rb.* 1.
- 4 **von Perger, A. R.** Studien über die deutschen Namen der in Deutschland heimischen Pflanzen. (Wien 1858.) gr. in-4. *Rb.* 1 $\frac{2}{3}$
- 5 **Perleb, C. J.** Clavis classium, ordinum et familiarum atque index generum regni vegetabilis. Freiburg i. B., 1838. 4. cart. (*Rb.* 1.) *Rb.* $\frac{1}{4}$
- 6 **Perrault, C. et P.** Oeuvres diverses de Physique et de Mechanique. 2 tomes. Avec planches. Leide 1721. 4. cart. *Rb.* $\frac{2}{3}$
- 7 **Perry, G.** Conchology, or Natural History of the Shells. With 61 superbly coloured plates. London 1811. gr. in-fol. demi mar. non rogné. (£ 16. 16 sh.) *Rb.* 18.
- 8 **Persoon, C. H.** Commentarius in J. Ch. Schaefferi icones fungorum Bavariae indigenorum. Erl., 1800. gr. in-4. br. n. r. *Rb.* 2 $\frac{1}{6}$
- 9 — Mycologia Europaea. 3 sectiones. C. 30 tab. col. Erl., 1822—28. 8. *Rb.* 10.
- 10 — Synopsis methodica fungorum. 2 tomi in 1 vol. Cum 5 tabb. aen. Gott., 1801. 8. cart. *Rb.* 1.
- 11 — Synopsis plantarum, s. enchiridion botanicum. 2 voll. Paris 1805—7. 12. d. rel. *Rb.* 1.
- 12 **Peters, K. F.** Schildkrötenreste aus d. oesterreich. T. ...ablagerungen.



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Pinart — Presl

- 1123 **Pinart**, D. Les Papillons du Département de l'Oise. Beauvais 1847.
gr. in-8. (Lithogr.) (Frcs. 5.) *Rb.* 1/2
- 24 **Plancus**, J. De Conchis minus notis. C. 5 tab. aen. Venet., 1739.
gr. in-4. cart. n. r. *Rb.* 1.
- 25 **Plenck**, J. J. Bromatologia s. doctrina de esculentis et potulentis.
C. eff. Viennae 1784. 8. veau fil. *Rb.* 2/3
Très bel exemplaire.
- 26 — Icones plantarum medicinalium, cum enumeratione virium et usus
medici etc. Centuria 1—6. Cum 600 tabulis aen. color. Viennae 1788
—94. fol. veau. *Rb.* 32.
Exemplaire sur papier fort.
- 27 — Idem opus. Centuria 1—6, fasc. 1—3. Cum 575 tabulis aen. color.
Ibid., fol. d. rel. n. r. *Rb.* 25.
Exemplaire sur papier fort.
- 28 **Plumier**, Car. Nova plantarum Americanarum genera. Cum 40 tab.
aen. Paris 1703. 4. veau. *Rb.* 3.
- 29 — Plantarum Americanarum fasciculi X. In lucem edidit descriptio-
nibus et observationibus illustravit J. Burmannus. Cum 263 tab. aen.
Amstelaed., 1755—60. fol. d. rel. *Rb.* 5.
- 30 **Pohl**, J. E. Reise im Innern von Brasilien in den Jahren 1817—21.
2 Bde. in 4. Mit Atlas in gr. fol. Wien 1832—37. *Rb.* 45.
- 31 — Beiträge zur Gebirgskunde Brasiliens. 1. (einz.) Abth. Mit e.
Rb. 1.

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Gentiana purpurea
Switzerland

Nov 22 1874



calyx spithameus
2-dentatus



Corolla plisata
plicae truncatae
antheris extrorsae
connatis

Corolla subinde 6-meris



ovule x 30
after fertilization
reticulate, winged



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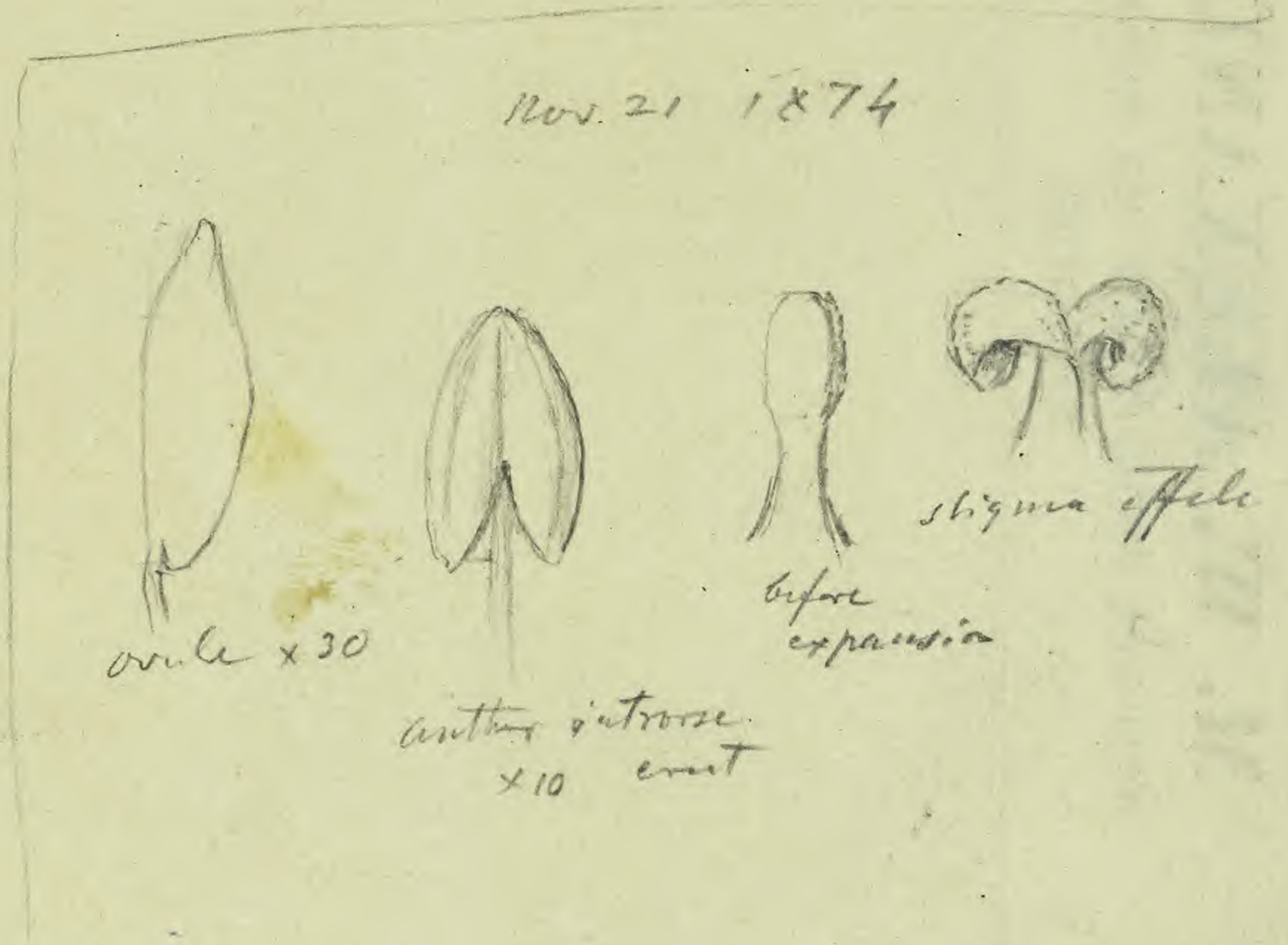


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Gentiana Douglasiana Bongard Dec-1867
Sitka Dr Bong. 118



5 parted
corolla interior plicate.



ovule x 30

anther introse
x 10 erect

before
expansion

stigma effete



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- Mit 3 Taf. Nürnberg 1844—53. 8. *Rb.* $\frac{1}{2}$
- 70 **Sturm**, J. H. C. F. Leptodirus. Abbildung und Beschreibung dreier Arten. Mit 3 schwarzen Taf. Nürnberg 1849—53. 8. br. *Rb.* $\frac{1}{3}$
- 71 **Sulzer**, J. H. Die Kennzeichen der Insekten erläutert. Mit 24 col. Taf. von J. R. Schellenberg u. Vorrede von J. Gessner. 2 Thle. Zürich 1761. 4. cart. n. r. (*Rb.* 6.) *Rb.* $1\frac{5}{6}$
- 72 **Suter**, J. R. Flora Helvetica exhibens plantas Helvetiae indigenas Hallerianas etc. ordine Linnaeano. 2 voll. Turici 1802. 12. cart. *Rb.* $\frac{1}{3}$
- 73 **Swammerdam**, J. Bibel der Natur, worinnen die Insecten beschrieben, zergliedert u. vorgestellt werden. Mit 53 Kpfn. Leipz., 1752. fol. veau. *Rb.* 2.
- 74 **Swartz**, Ol. Dispositio syst. Muscor. frondosor. Sueciae. C. 9 tab. pictis. Erl., 1799. 8. cart. *Rb.* $\frac{2}{3}$
- 75 — Flora Indiae Occidentalis. 3 tomi. C. 29 tab. aen. Erl., 1797—1806. 8. cart. *Rb.* $6\frac{1}{4}$
- Exemplaire sur papier fort.
- 76 — Icones plantarum incognitarum quas in India Occidentali detexit. Fasc. I. Sectio I—II. C. 13 tab. pictis. Erl., 1794—1800. fol. *Rb.* $4\frac{1}{5}$
- 77 — Observationes botan. quibus plantae Indiae Occidentalis . . illustrantur. C. 11 tab. aen. Erl., 1791. 8. *Rb.* $1\frac{2}{3}$
- 78 **Swedenborg**, E. Opera philosophica et mineralia. 3 voll. C. eff. et multis tab. aen. Dresden 1734. fol. vél. *Rb.* 10.
- Magnifique exemplaire.
- 79 **Sweet**, R. Hortus suburbanus Londinensis. London 1818. gr. in-8. d. rel. *Rb.* 1.
- 80 **Sylloge** plantarum novarum itemque minus cognitarum, a soc. regia bot. Ratisb. edita. 2 tomi. C. 2 tab. Ratisb., 1824—28. 8. cart. *Rb.* $\frac{2}{3}$

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15
Vestibulum

89



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- (Tab. 5/3)
- 91 — Icones plantarum Japonicarum, quas in insulis Japonicis 1775 et 76 collegit et descripsit. Upsaliae 1794—1805. fol. br. n. r. *Rb* 2.
Cet exemplaire ne contient que 40 planches au lieu de 50.
- 92 **Thurneisser zum Thurn, L.** Historia sive descriptio plantarum omnium, tam domesticarum quam exoticarum ... Cum multis fig. ligno inc. Berlini 1578. fol. cart. *Rb* 2.
Ouvrage rare. Exemplaire assez bien conservé.
- 93 **Thury, M.** Ueber das Gesetz der Erzeugung der Geschlechter bei den Pflanzen etc. Uebersetzt von H. A. Pagenstecher. Leipzig 1864. 8. br. *Rb* 1/5
- 94 **Tijdschrift** voor natuurl. Geschiedenis en Physiologie, uitgegeven door J. van der Hoeven en W. H. de Vriese. 12 vols. Avec nombreuses pl. noires et col. Leyden 1834—45. 8. cart. (*Rb* 87.) *Rb* 20.
Contient des mémoires par Dozy, Molkenboer, Harting, Miquel, Moleschott, Schroeder van der Kolk, Hasskarl et d'autres naturalistes célèbres de la Hollande.
- 95 **Tillius, M. A.** Catalogus plantarum horti Pisani. Cum autoris imag. et 52 tab. aen. Florentiae 1723. fol. veau doré. *Rb* 3.
Bel exemplaire.
- 96 **Tode, H. J.** Fungi Mecklenburgenses selecti. 2 fasciculi. Cum 17 tab. aen. Luneburgi 1790—91. 4. cart. (*Rb* 2 1/2) *Rb* 1.
- 97 **Torrey, J. and A. Gray.** Flora of North America. Vol. I and II, part 1—3. New-York and London 1838—43. 8. d. rel. et br. *Rb* 8 2/3
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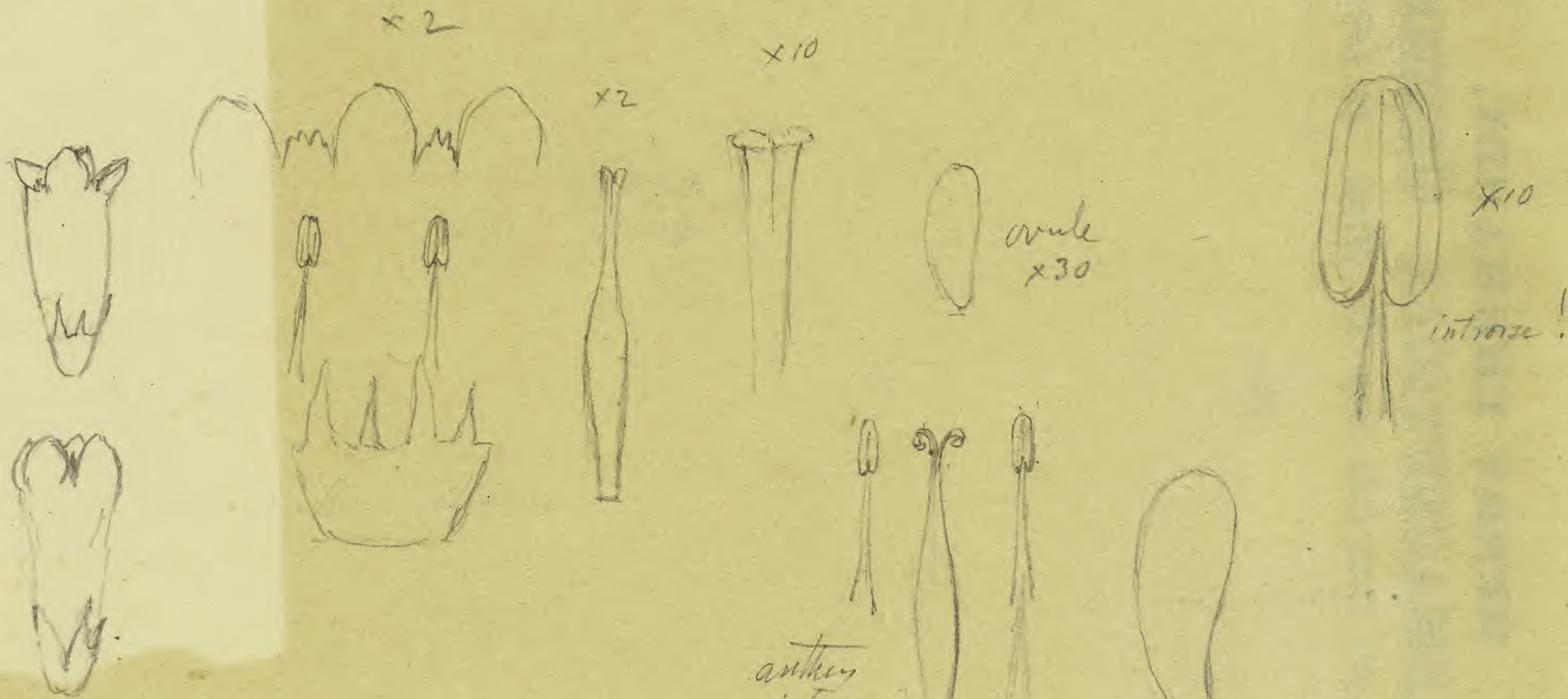
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Gentiana cuneata
Frankfurt 1826

Nov 21 1874
22



Calyx mutans
spithaeosom

flower rarely 5-merous

anther
introse

pistil after
fertilization

young seed
x30



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MISSOURI
BOTANICAL
GARDEN

HENRY EHRHARDT,
PHARMACEUTICAL CHEMIST,

No. 301 South Fifth Street, Cor. Myrtle, ST. LOUIS.

No.

Rx

Date

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718 *Gutierrezia* spathulata

Nov 12 1874

Chiapas, Mexico, G. G. B. Bright. 1864-70



ovule
x 30



Calyx lobis open

foliis lanceolatis - linearibus
marginibus revolutis
near *G. spatulata*, sed calyce deltoideo foliis
revolutis

floribus uncialibus pedicellatis s. subsessilibus
basi bracteis lanceolatis linearibus fultis
calyce membranaceo integro, lobis linearibus tubo aequilongis s. brevioribus instructo
lobis corollae orbiculato ovatis obtusiusculis, plerisque triangularibus brevibus dentatis & lacinis
staminibus (libera parte) sub medio tubo insertis, tubo tunc brevioribus profunde inclusis, antheris sagittatis
pistillo staminibus longiore, tubo brevioribus



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"*G. Catesbii*" = *G. Saponaria* L

Dec 1861

North Carolina

Curtis

lobes ovate acutish,
filis half as long
truncate, toothed
subbifid or entire



lobes acutish

anther. & stigma
coherentibus

x 10



lobes oval
subobtusae

fruit



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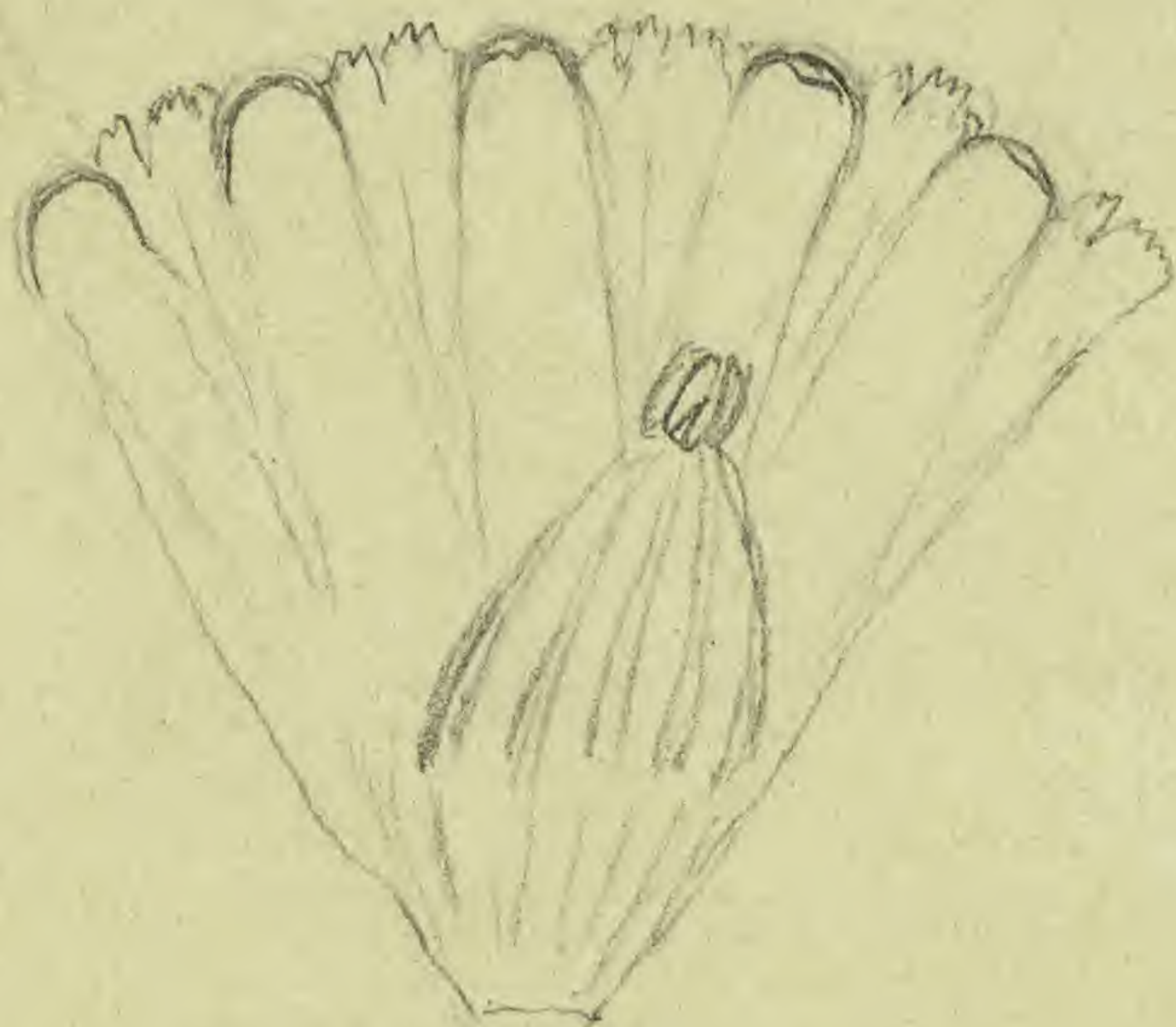
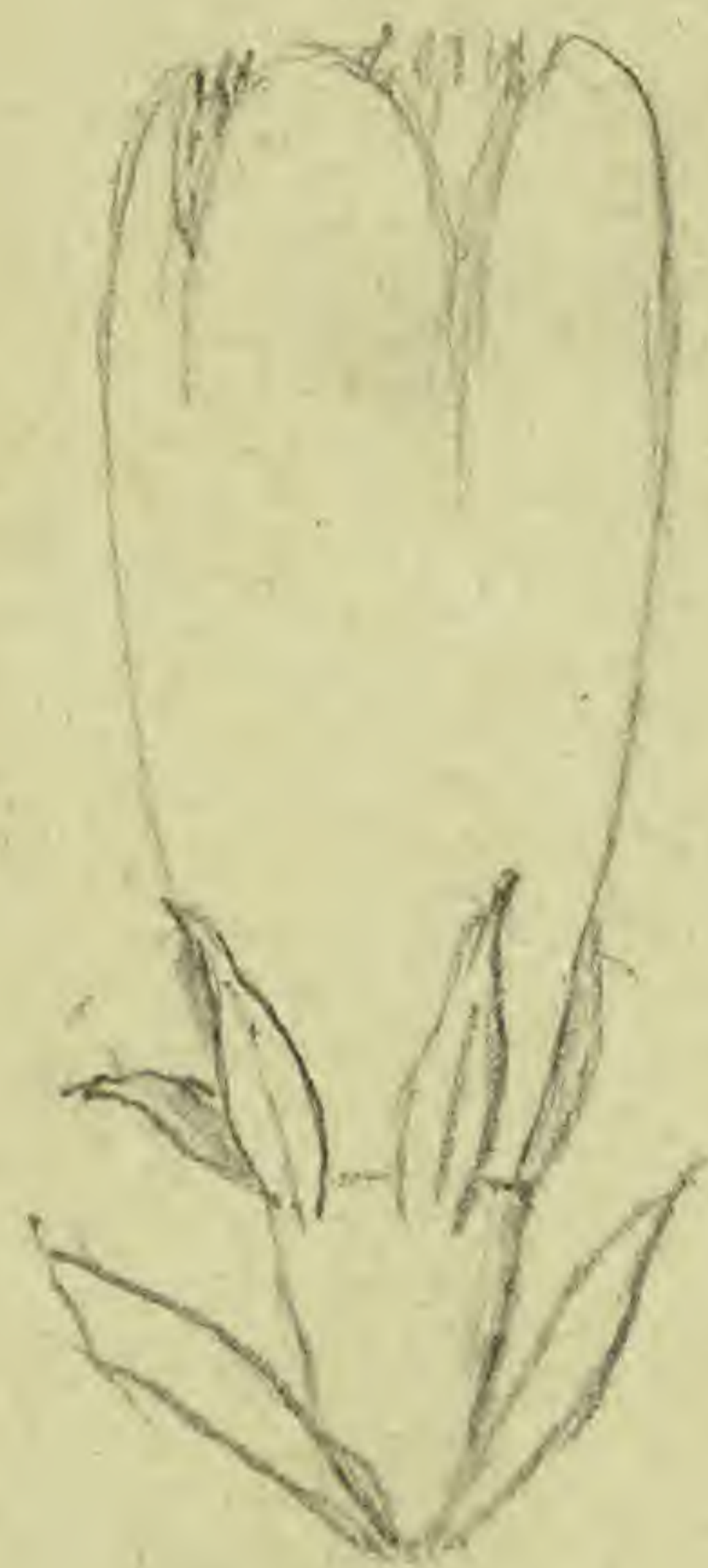
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Gent. Andrewsii
Sloani

Dec 1861



pist flower's ripe fruit



x10

lobes ovate obtuse, concave
fold's rather longer than lobes, truncate
toothed, usually bifid.



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Gentiana puberula
Dr Hayden, Akhona River

Dec 1861



antheris non
cohaerentibus

x 10



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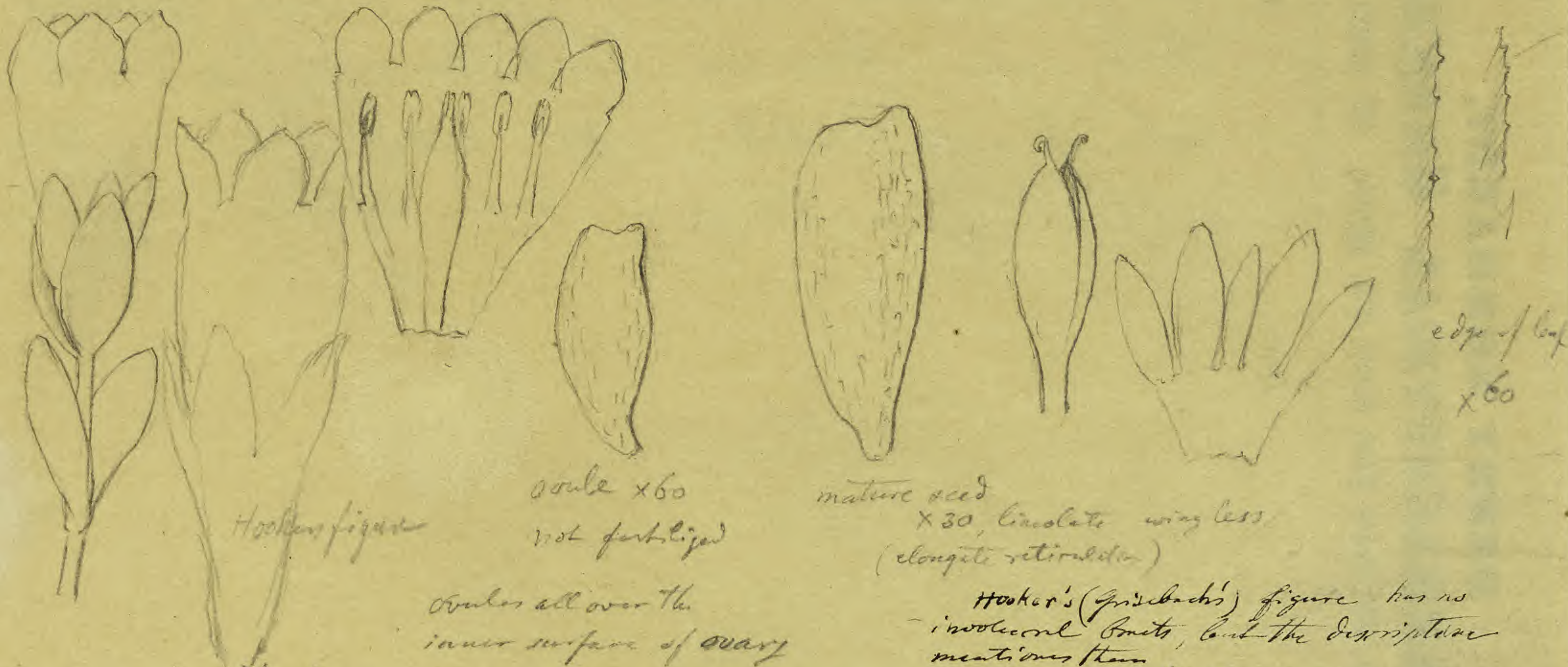
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over

Gentiana Scepter - Guss. & Hook. f. bot. 2.57 Nov 9 1874

f. 145

Dry swamps, meadows & plains, Bolander 27 Nov 1865



Hooker's figure

ovule x60
not fertilized

mature seed
x30, lanceolate wingless
(elongate reticulate)

ovules all over the
inner surface of ovary

Hooker's (Grisebachi's) figure has no
involucral bracts, but the description
mentions them

Plant 2-3 feet high, many flowered, smallest sp. seen 13-14" high, one flowered,
generally flowers in a loose thyrsus, branches 1- flowered (lower ones longer, upper
shorter) flowers sessile between uppermost pair of (involucral) leaves, very rarely
axillary, sessile, not involucre - calyx lobes more or less unequal - folds of corolla truncate

**HENRY EHRHARDT,
PHARMACEUTICAL CHEMIST,**

No. 301 South Fifth Street, Cor. Myrtle, ST. LOUIS.

No.

R_x

Date

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Hooker's (Grisebachi) description mentions
the involucre bracts, but figure ignores
them. — Flowers much larger "2 inches"
lobes of calyx shorter than tube (— same length)
— altogether a larger more luxuriant plant

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GEORGE ENGELMANN PAPERS

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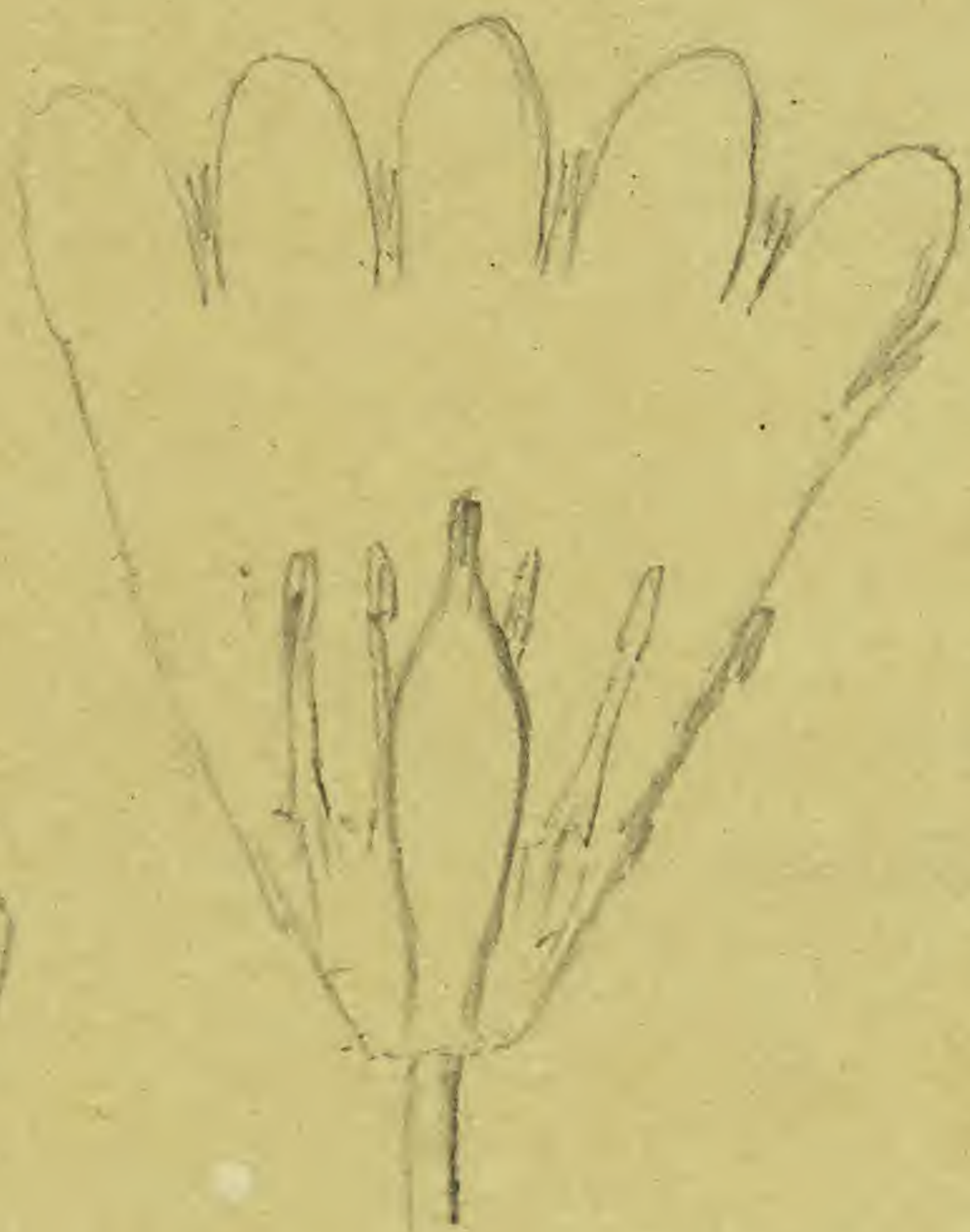


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Gentiana calycosa Gray

Nov 8 1874

L. Lyell Rocky Mts 49° lat. 7-8000' alt. 1861



calyx 4 parted



x30

ovule

(D. H. P.)

The other flower is sessile
but has also only 4 calyx lobes
but also 4-parted corolla



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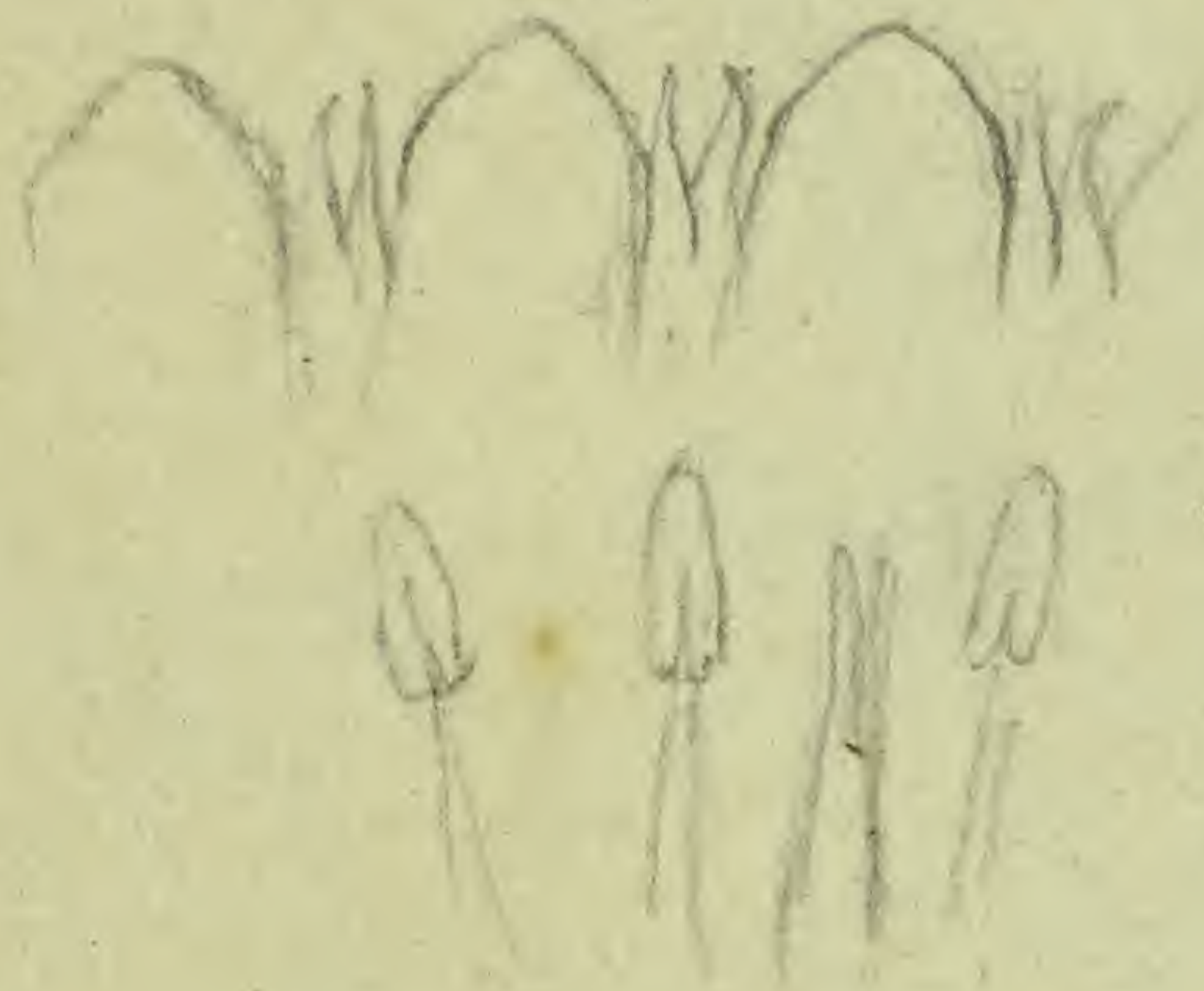


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204 G. Parry

G. Parry

Dec 1867



anther lobes

fil. slender style bifid



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M. W. ALEXANDER

SOUTH-EAST CORNER FOURTH AND MARKET STREET

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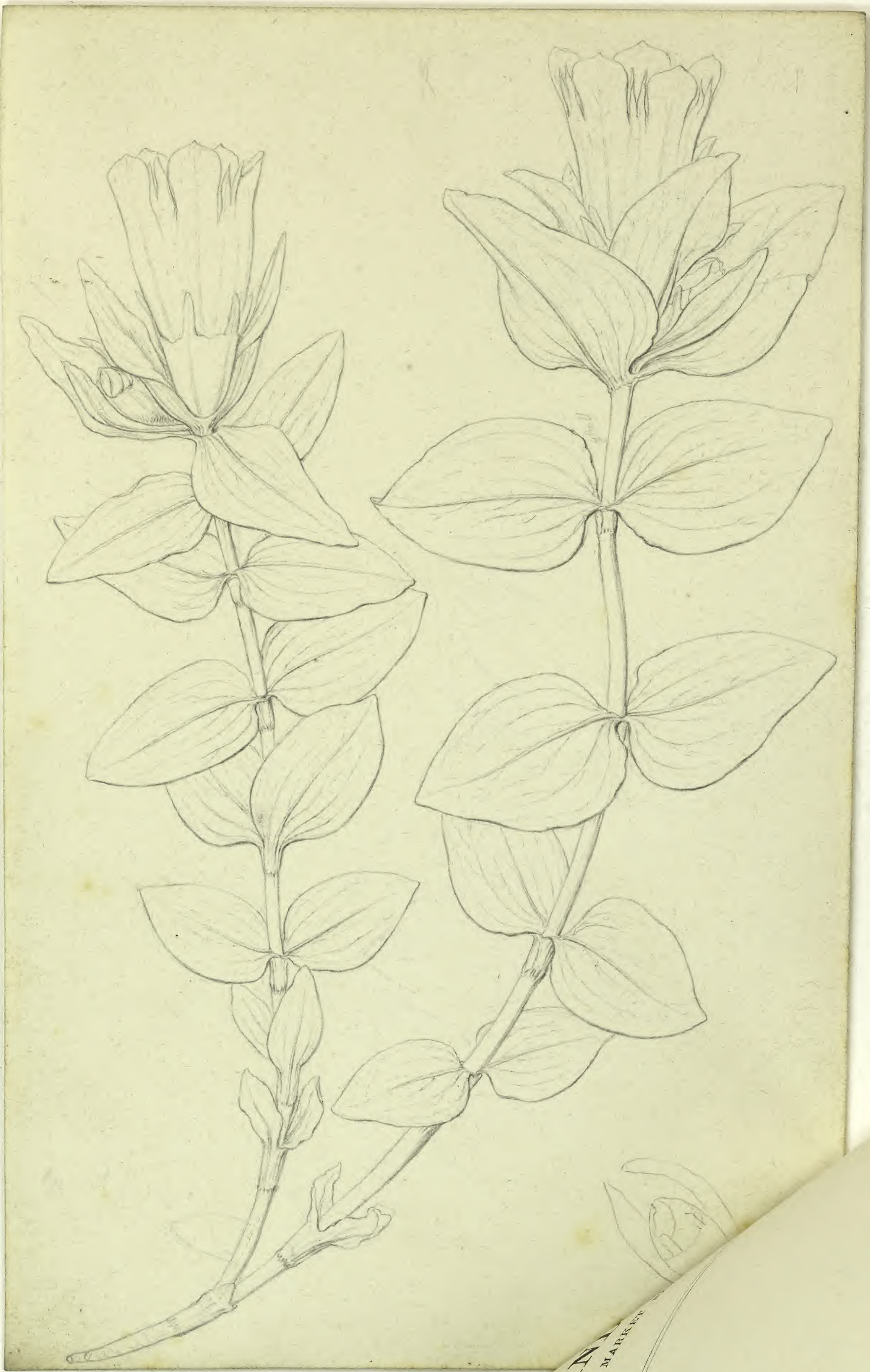
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LANE
ND MARKER

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MISSOURI
BOTANICAL
GARDEN

Jan 1875

Gentiana Oregon (*Pneumonanthe*) n. sp. ^{anla striata} caulis elato simpliciter
 foliis multifloris foliis ovatis, obtusis sessilibus
 sequi ~~curvatis~~ internodiis plerumque longioribus, integerrimis
 floribus ~~oculis~~ ~~agracis~~, basi bibracteatis, calycis
 5 lobis lobis oblongo-obovatis obtusis, inaequalibus, tubo
 membranis ~~truncatis~~ ~~membranatis~~ ~~truncatis~~ ~~membranatis~~ ~~truncatis~~ ~~membranatis~~ ~~truncatis~~ ~~membranatis~~ ~~truncatis~~ ~~membranatis~~ ~~truncatis~~
 lobis corollae ovato-rotundatis; obtusis, ^{erectis} tubo ~~superioribus~~
 multatis breviter, ^{erectis} plerumque multifide dentatis ~~superioribus~~
 staminibus tubo medio adnatis lobis inclusis;
 seminibus?

No. Date

For Blue Mountains Oregon A. J. Nevins,
 Habit similar to *G. septentrionalis* 1-2 feet high
 very strict - readily distinguished by the
Dentate ~~foliis~~ ~~floribus~~ ~~ovis~~ ~~1/2~~ ~~in~~ ~~cl~~ ~~by~~
 pale greenish toward the narrow base, deep blue upward

Dr. GEORGE ENGELMAN,
 N. W. Corner of Garrison Avenue and Locust Street.



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PRESCRIPTIONS

CAREFULLY COMPOUNDED

BY

COMPETENT PHARMACISTS

DAY AND NIGHT.

Stoddard Pharmacy,

N. W. COR. FASTON & GARRISON AVES.,

POOL & CO.

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GEORGE ENGELMANN PAPERS

IMPORTED AND ARTIFICIAL

MINERAL WATERS,

NATIVE AND IMPORTED

WINES AND LIQUORS,

FOR MEDICINAL PURPOSES.



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Jan 1875

Gentiana Newberryi Gray in Cat (Pleurotheca)
~~proemii caulibus ex axillis~~

proemii, foliis in axi: centralibus abbreviatis ~~sterilibus~~
majoribus (uncialibus) ^{obovatis} spatulatis ~~in parte~~
breviter attenuatis; ^{terminalibus} caulibus ex axillis foliorum ~~axum~~ ~~proemii~~
meridiana latentes ~~demum~~ ~~sub~~ ~~dentibus~~ ~~foliosis~~
(foliis) nervis obovatis, ~~sequens~~ ~~oblongolatis~~ ~~1-floris~~
in floribus magnis ex viridi ~~oculosis~~ ~~pubescentibus~~
~~pluribus~~ ~~albidis~~ ~~quinquestratis~~; (pluribus bifidis) ~~palisda~~ ~~ante~~
lobis rhomboidibus - ovatis acutissimis ^{superioribus}
tubo multo brevioribus ~~staminibus~~ ~~tubo~~ ~~involucris~~
antheris ~~liberis~~; ~~ovario~~ ~~tripitato~~, ~~ovulis~~ ~~latis~~
marginatis; ~~seminibus~~;

F. Calycis basi ~~bibracteatis~~ lobis lanceolatis tubum
nubem hyalina truncatum ~~proemii~~ ~~long.~~

long Central leaves 1 inch long $\frac{1}{2}$ inch or more wide; color same
much smaller, upper ones $\frac{1}{2}$ inch long 1 or 2 lines wide; flower
 $1\frac{1}{2}$ inch tall, more length — color same as frigidula

DR. GEORGE ENGELMANN,
N. W. Corner of Garrison Avenue and Locust Street.

Dr. Engelm



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Small mineral waters

Imported and artificial

Mineral waters

Native and imported

Wines and liquors

For medicinal purposes

5549 Schell

54

Prepared

Stoddard

St. Louis

Missouri

1862

Chloroform



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BOTANICAL
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