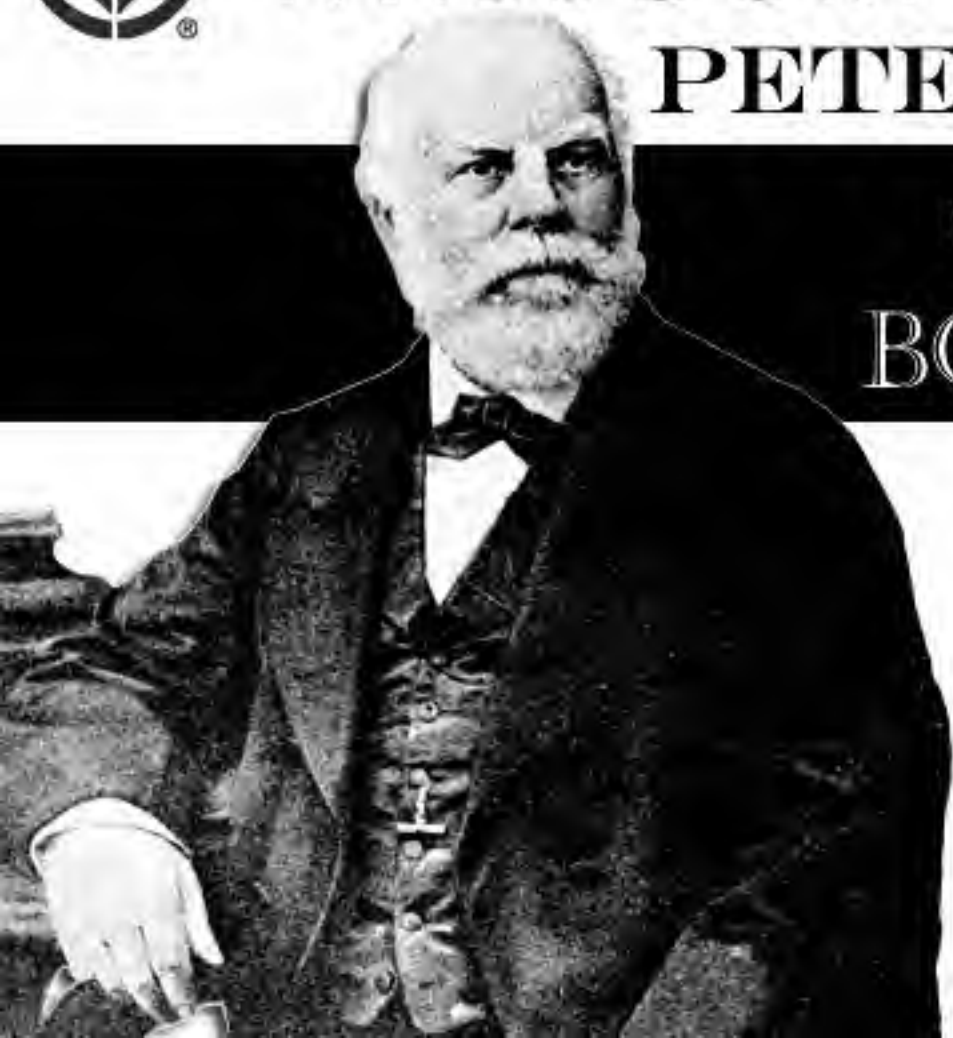




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BOTANICAL NOTEBOOKS

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Juncus acutiflorus Hook

Oct 9 1865

Mackenzie River

- Hb. Gray

This is probably the original of *J. affinis*, Drawn



0 1 2 3 4 5 6 7 8 9 10

cm

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Manitou island

S. articulata

Aug 9 1865

seed

x60



x10



Capsule below 3 celled

6 stamens



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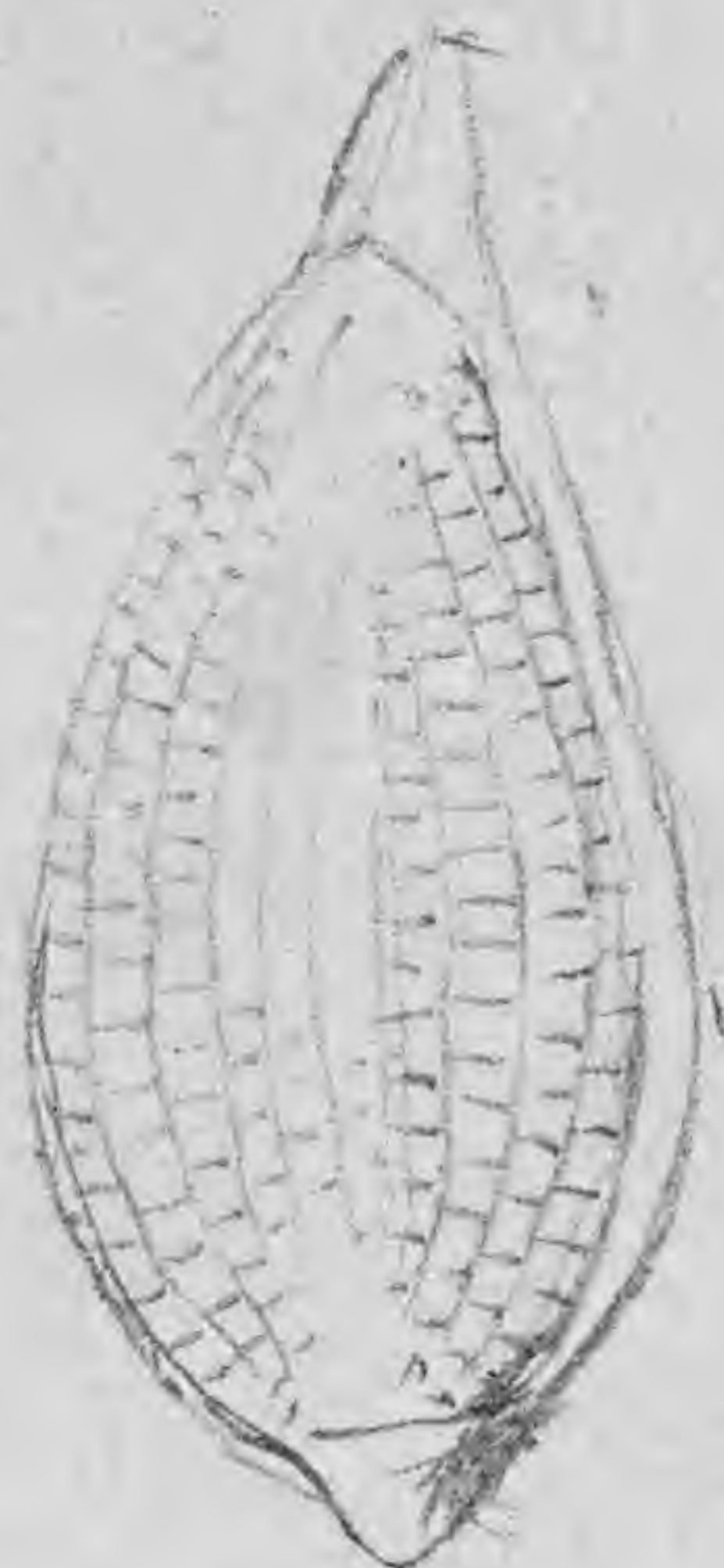


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"*Juncus acutiflorus*" Hook Flor. Bor. A. Aug 18 1865
Carlson house

Guy beddit.

x60



x10



Hooker says II. p 190 that it is
synonymous with *J. pelocarpus*, Meyer
but it is that species, and not *acutiflorus*!



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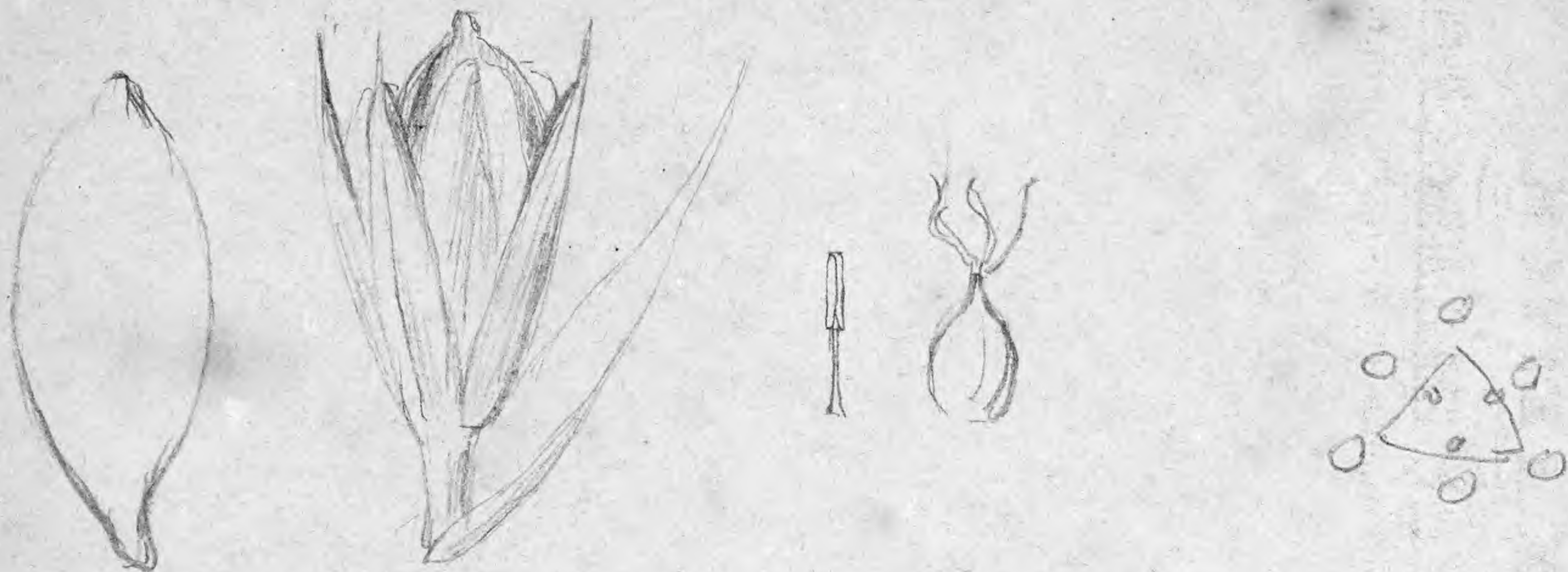
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"*Imnons affinis* A Br."

Oct. 9 1865

Saskatchewan

Douglas. 1858



Seed unripe

sepals obtuse
exterioribus mucronatis
s. aristatis dorso barbatis
interioribus rotundatis oblusissimis dorso furcatis.



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cm

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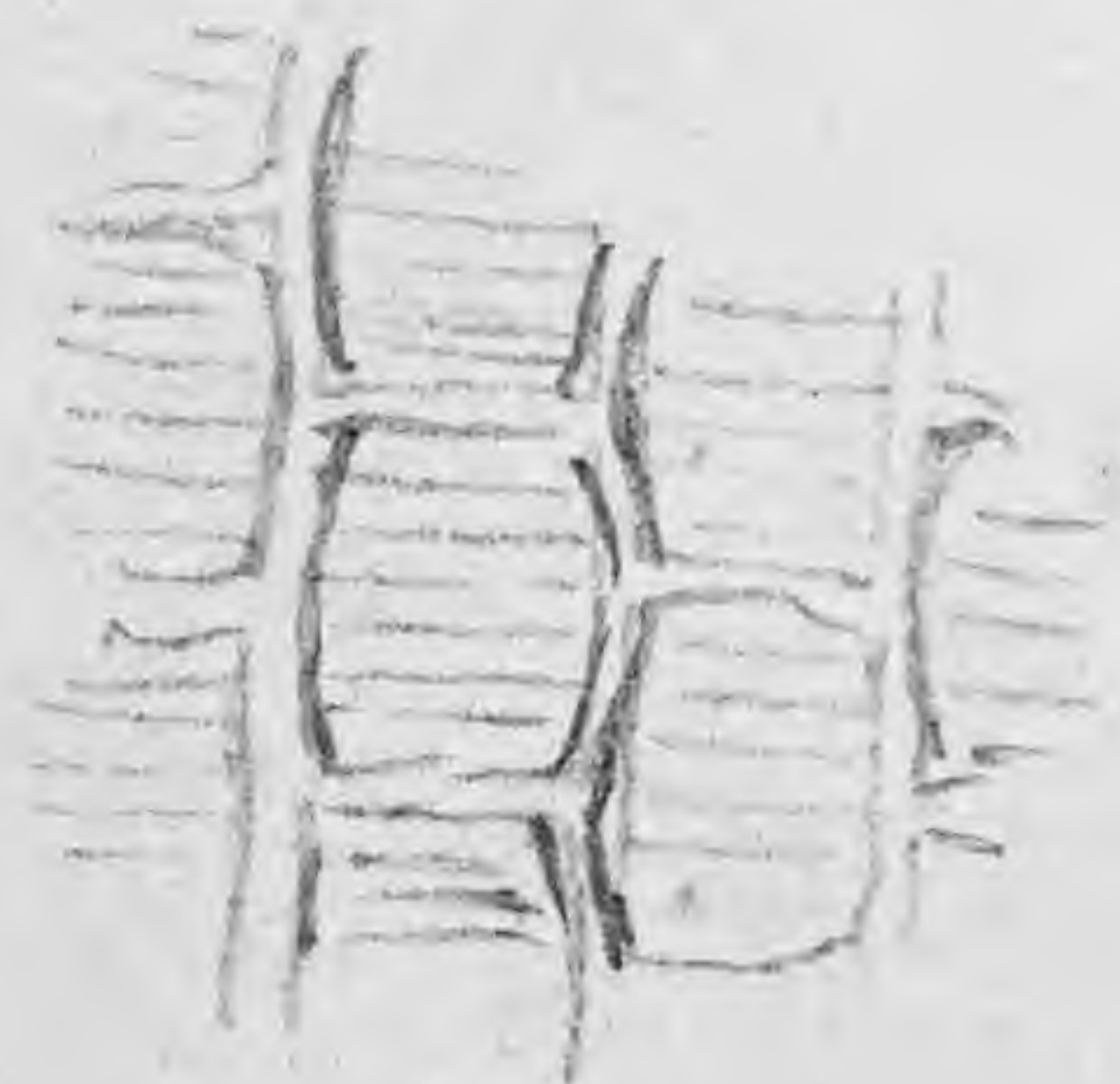


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I. affinis Gand

Dec 21 1865

ex Herb Acad Philad



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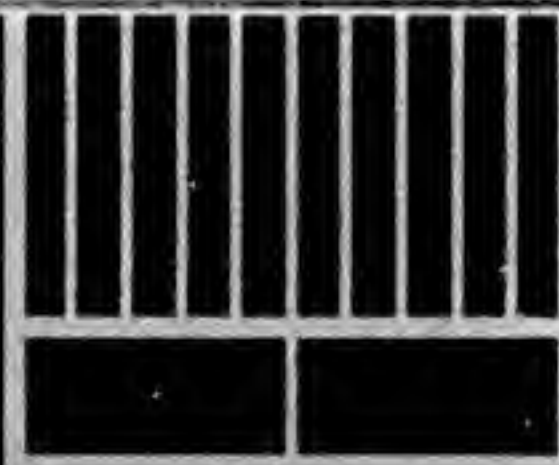
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"*Junonia elongata*"

Oct 9 1855

Ringwood, J. Vasey, - No 907

X60

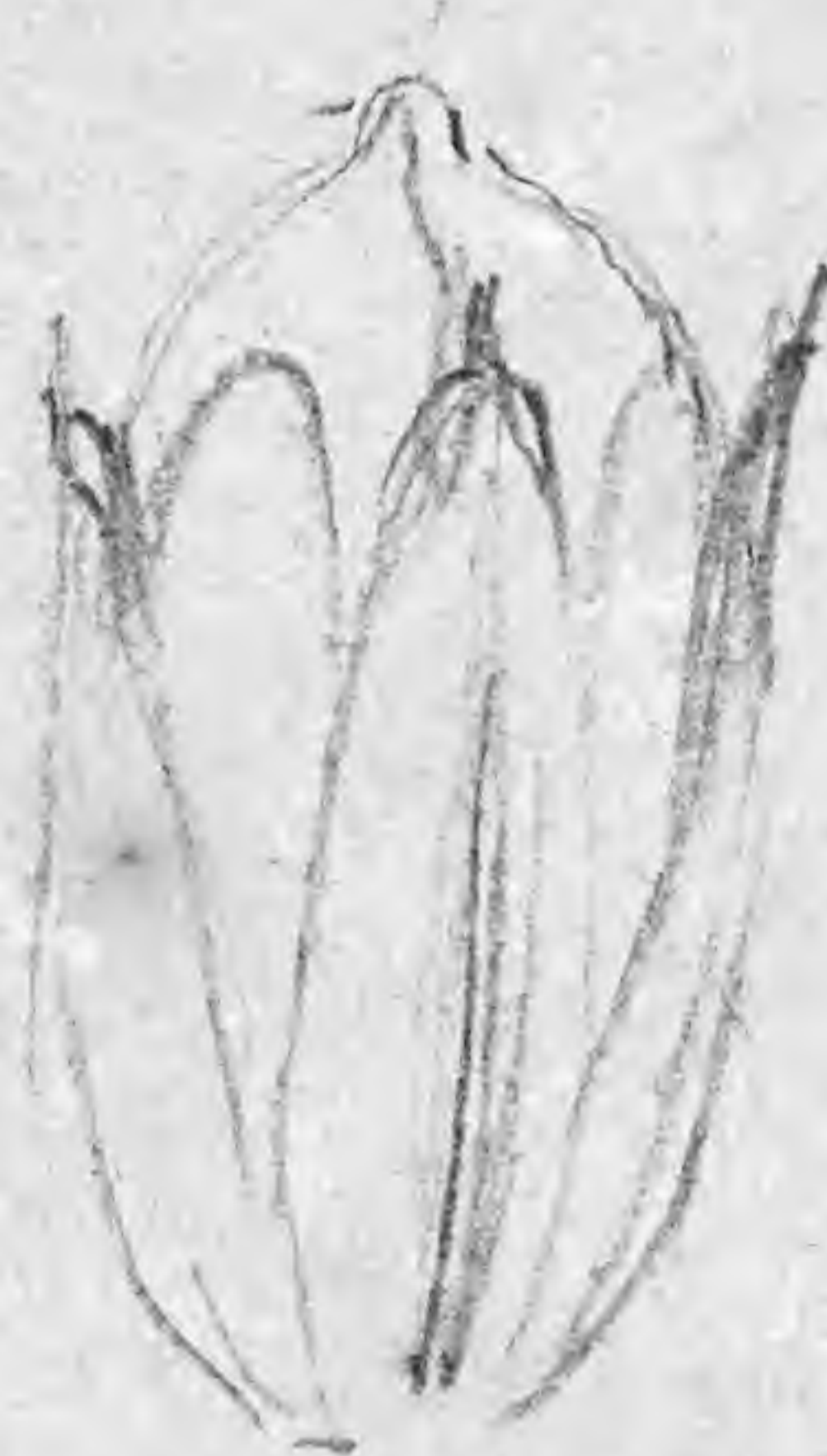


reticulate very
lyth

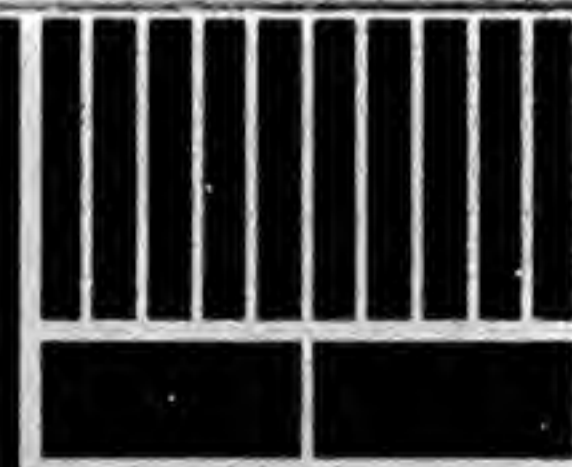
X150



X10



Petals greenish, not tinged
with brown as is usually the
case



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cm

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I. pilosarpus

Oct 9 1861

Carlton House Drum

Hb Gray ex Hook

x 60



Sepals obtuse
equalibus
externis obtusis
S. brevissimum mucronatis



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cm

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Senecio peltocarpus

Oct 10 1865

Colorado

Hall & Harbour No. 558



narrow



sepals ext. brevissime
mucronulata seu
saepius fere obtusa
interius vix breviora



0 1 2 3 4 5 6 7 8 9 10

cm

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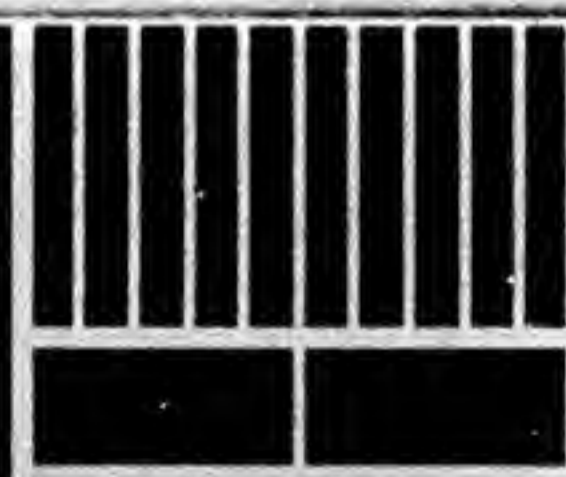
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Diplocarpus

E. Meyer Syn. Aug. 1823.

Kunth 3. 337

p. 30 (original diagnosis)

Lehmann !

Erectus ?

Erectus

foliis ovatis, androsia teretibus
antheris subdivaricatis

culmo subunifloro
foliis stricis compressis

(sepalis) lanceolatis obtusis
interioribus longioribus

subnodosis
periantha pyramidi patente
spicis subdifloris

capsula triquetra ovata
mucronata subuni-
loculari brevibus

sepalis oblongis obtusis
interioribus paulo longioribus
capsula triquetra ovata
brevibus

Massachusetts

Mexico & New York
Ternova



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cm

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Leitch & Corlies

DRUGGISTS

**South West
Corner Fifth
and Market
Streets.**

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Jimous sylvaticus

Octob 12 1865

Holcus

Hb. Gray

Jimous arctiflorus Ehrh.

Holcus leg. Nyman - *Fries Nov.*

Hb Gray

p. 50

is exactly the same!

erect, looseflowered
panicula



sepals equal
sometimes the inner ones
longer, sometimes shorter



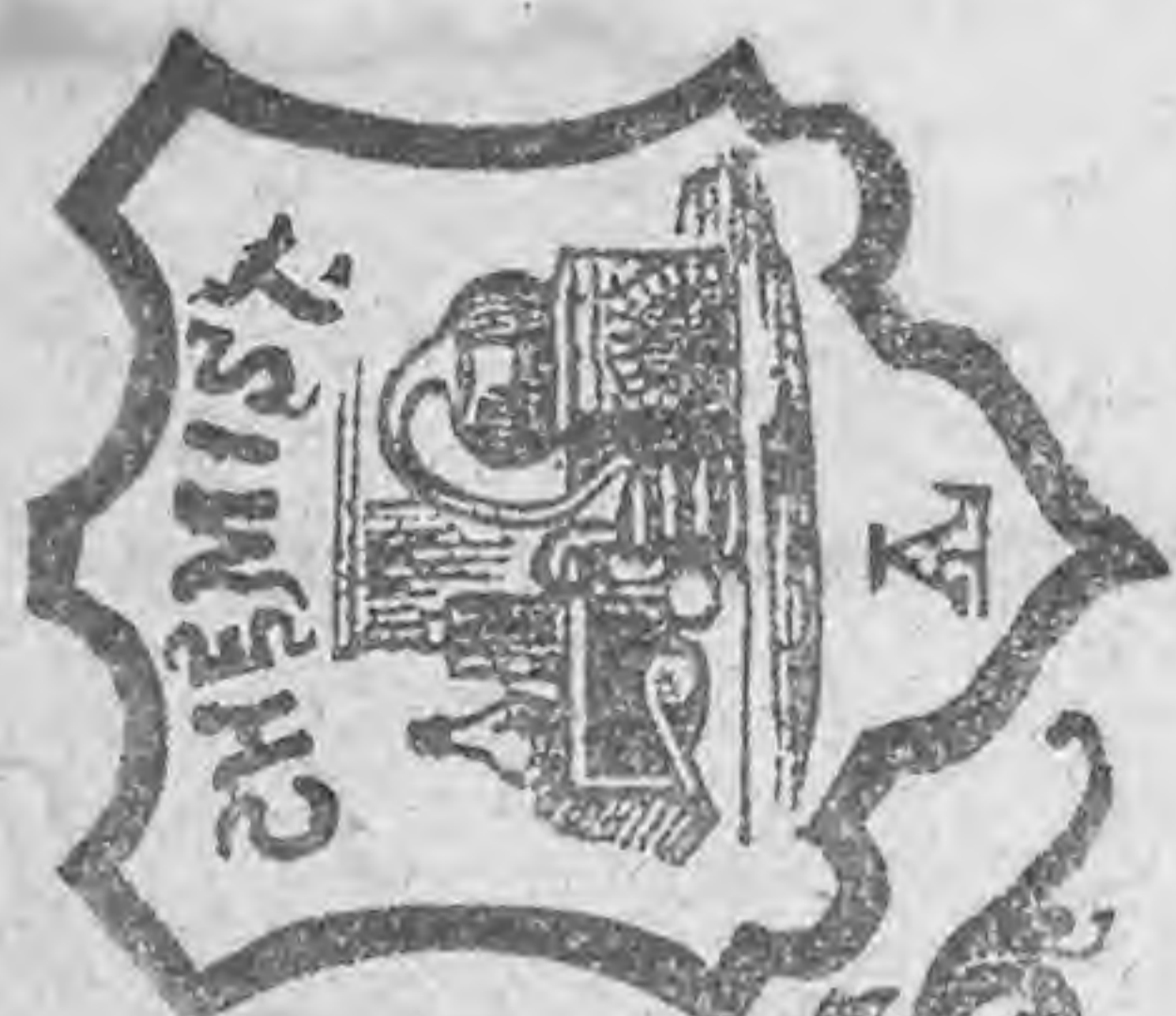
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Juncus debilis Gray "

Oct 10 1865-

Fort Colville to Rocky Mts, Dr. Lyall 1861

x60



unripe

x10



From same specimen



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cm

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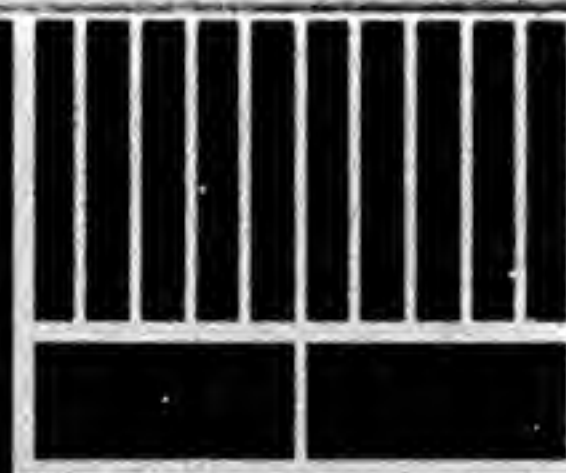
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Juncus debilis

	<u>Hb Philad</u>	<u>Gray</u>	<u>Engelm</u>
Kentucky	Shurt	Shurt	Shurt
Hope Camp Pa?	Hb Schweinitz		(Sch)
Texas var	Buckley		Buckley
Santee Canal S.C.		Rawns	(Raw)
Morris Co, Pennsylv.?		Porter	
Huntington Co Pennsylv.		Porter	Porter Moser
Mississippi			Hilgard
Ohio	Sea		(Sea)



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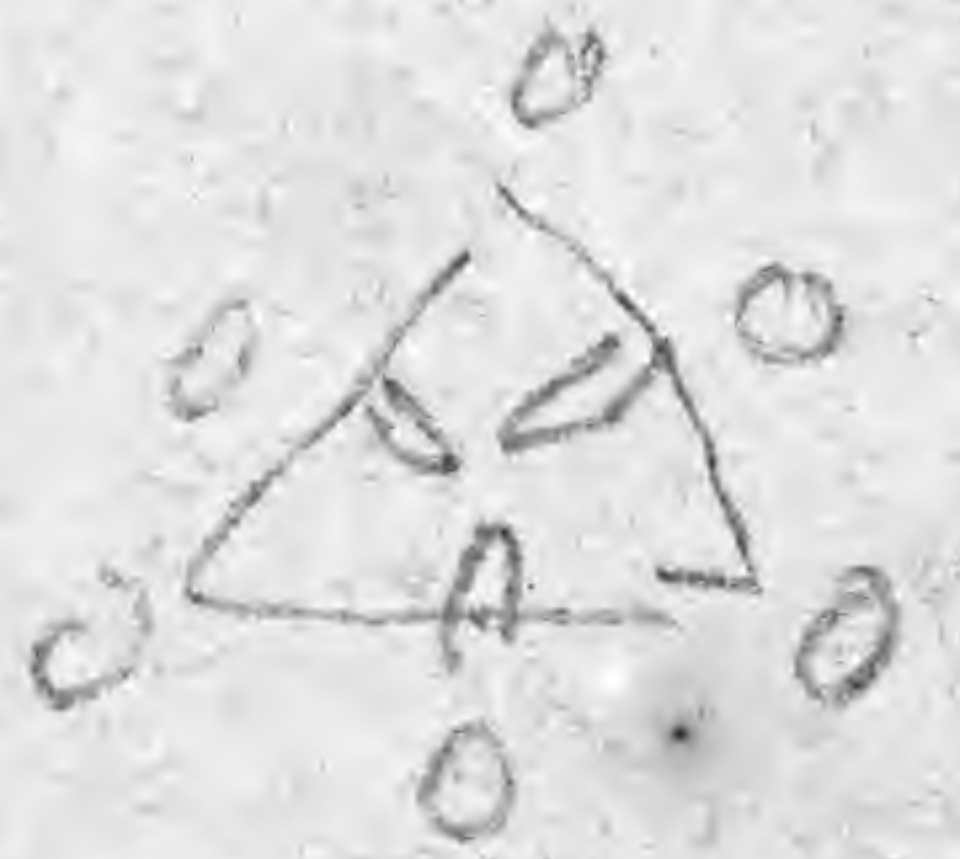
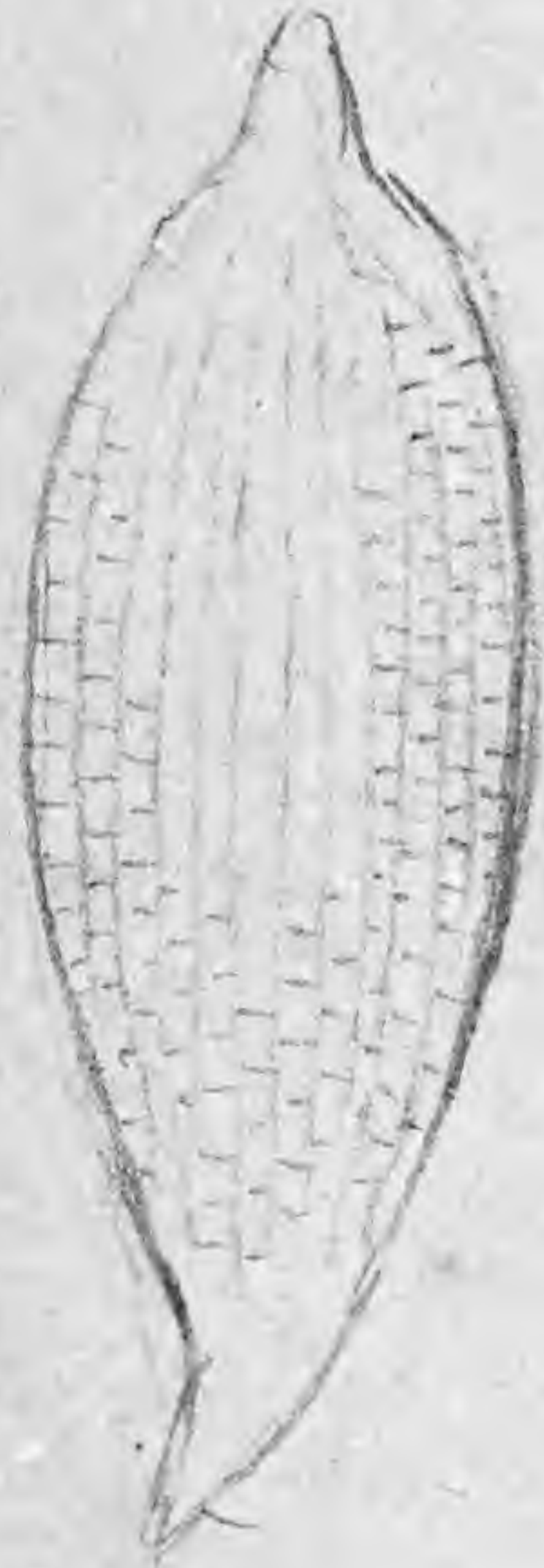
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J. alpinus Willd

Oct. 10 1865

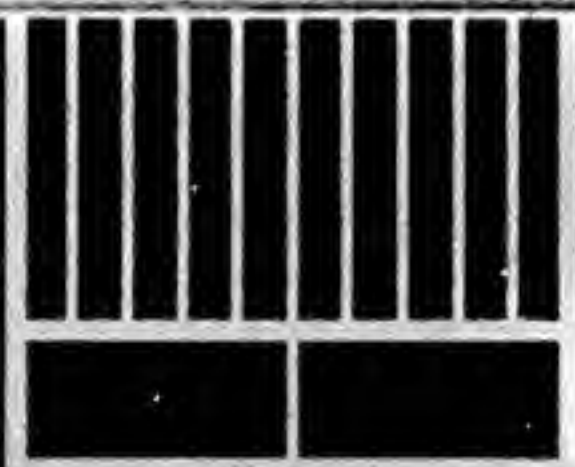
Stassburg, Casson

x160



sepalis aequilongis
obtusis, exterioribus
breviter mucronatis

x150



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Juncus alpinus var. *insignis* Fries Oct 12 1865
J. nodulosus Wahl. Sweden Fries in fruit

a low plant, with light brown capsules

x 60



x 10



external sepals
narrower or obtuse



0 1 2 3 4 5 6 7 8 9 10

cm

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"*J. alpinus*"

Dec-21 1865

J. Gay scrips.

Ar. Philad.

4-5 pollinaris



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cm

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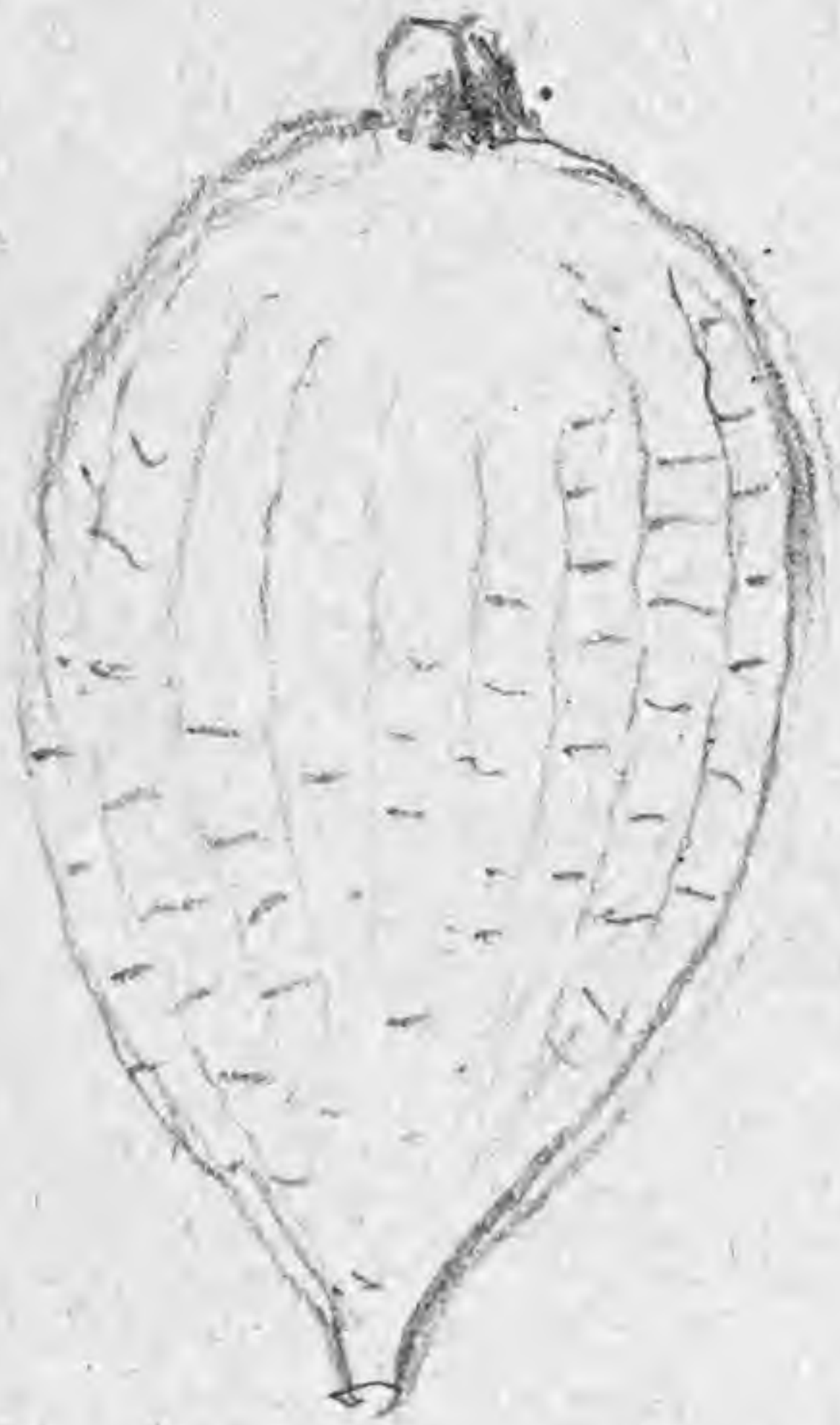


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June 28 1866

Winoski Falls, Vermont, J. Robbins

head 5-7 flower



about 8 ribs
faint
cross striate
faint.



0 1 2 3 4 5 6 7 8 9 10

cm

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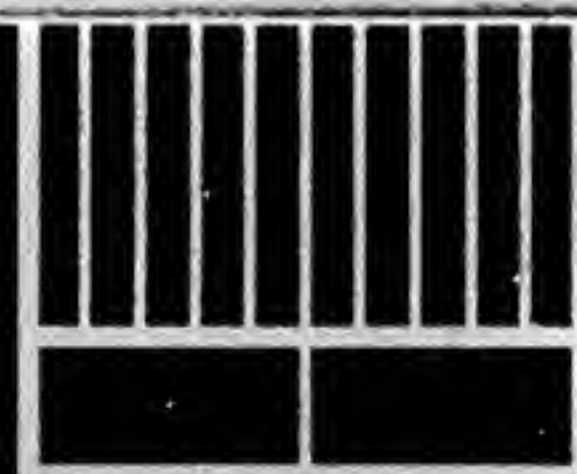


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" No 39 *Juncus fusco-ater* " Oct. 10 1865

Seacoast

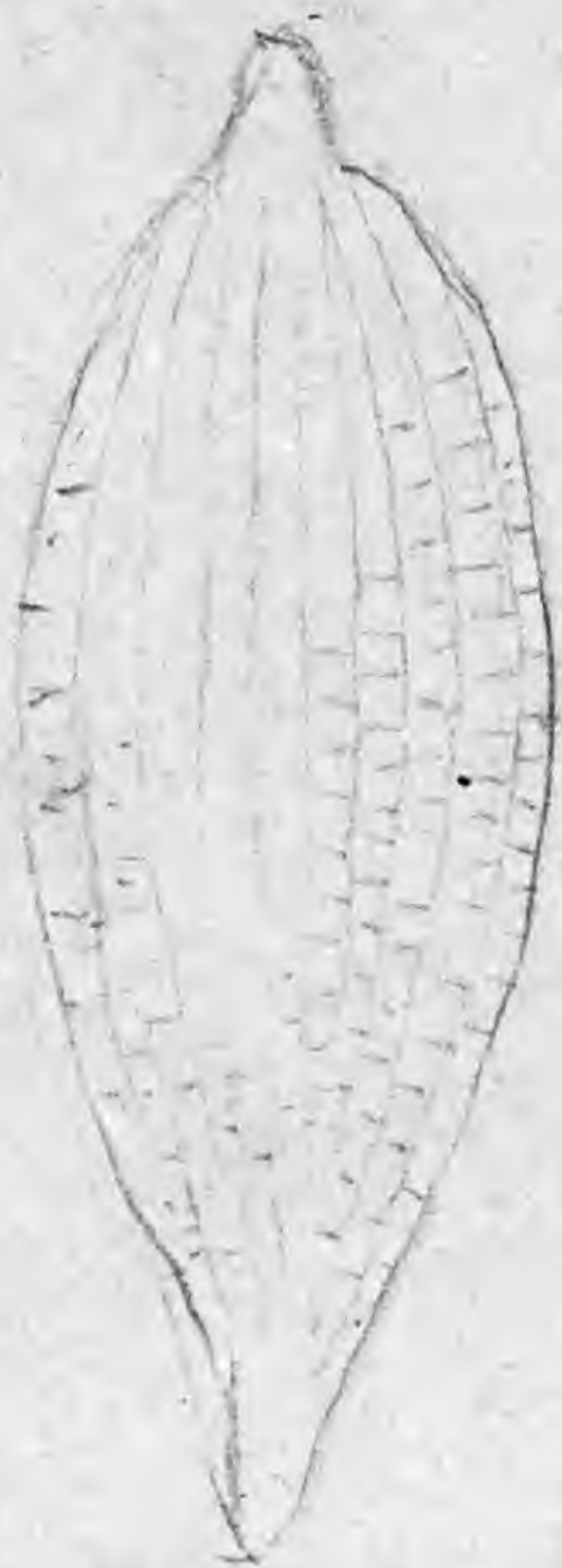
Hb. Gray

(Arctic America, Richardson)

x60



whole plant



sepals nearly
equal, external ones
acutish

capsule dark brown
shiny



x150

no constriction?

seed not quite ripe

This is no doubt Hook Fl. Bor A

2,191

J. uliginosus Sibth

(*J. fusco-ater* E Meyer - Herb. No. 107)

Arctic Seacoast, Richardson



0 1 2 3 4 5 6 7 8 9 10

cm

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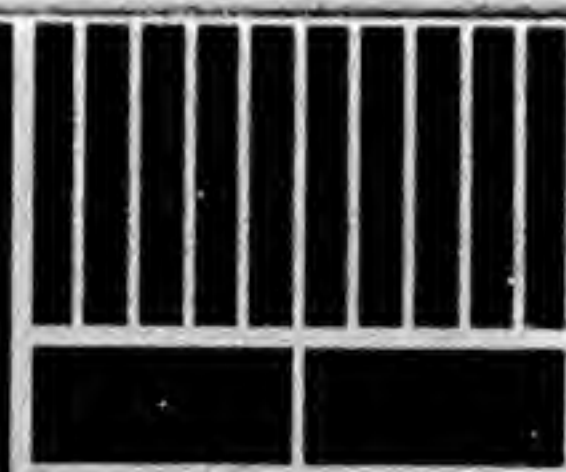
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J. fuscata

Keyling, Spain

1827

Oct 24 1865



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CHEMIST



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bbhb



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J. fraseri

Oct 14 1865

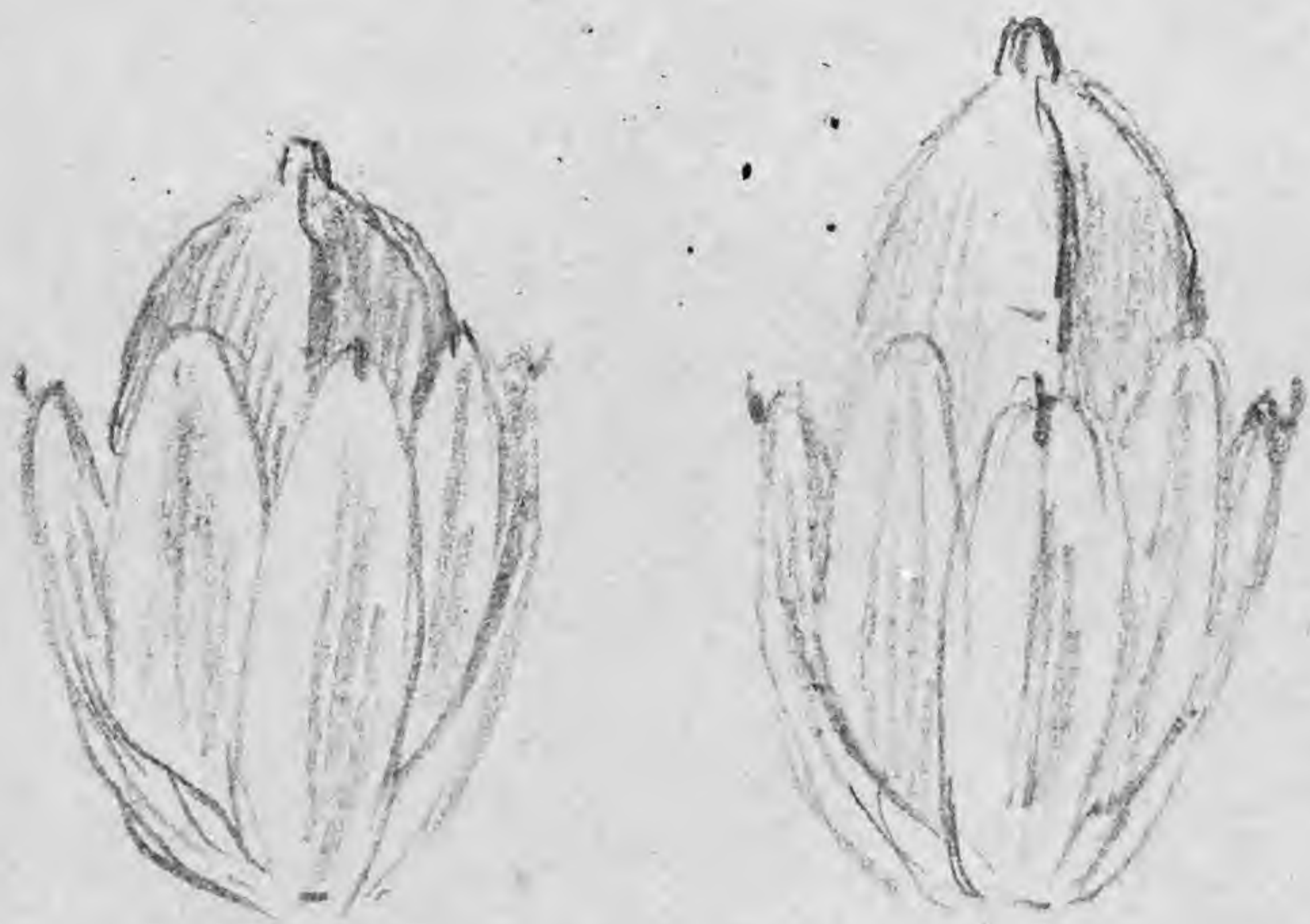
Wetland, Grinnell

x60



not quite ripe

x10

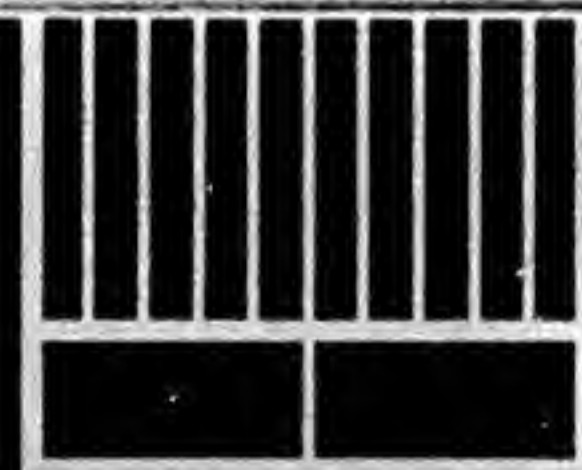


from same plant,
inner sepals often slightly
longer, outer ones often
scarcely mucronate

caps. light brown



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VOLUME 15



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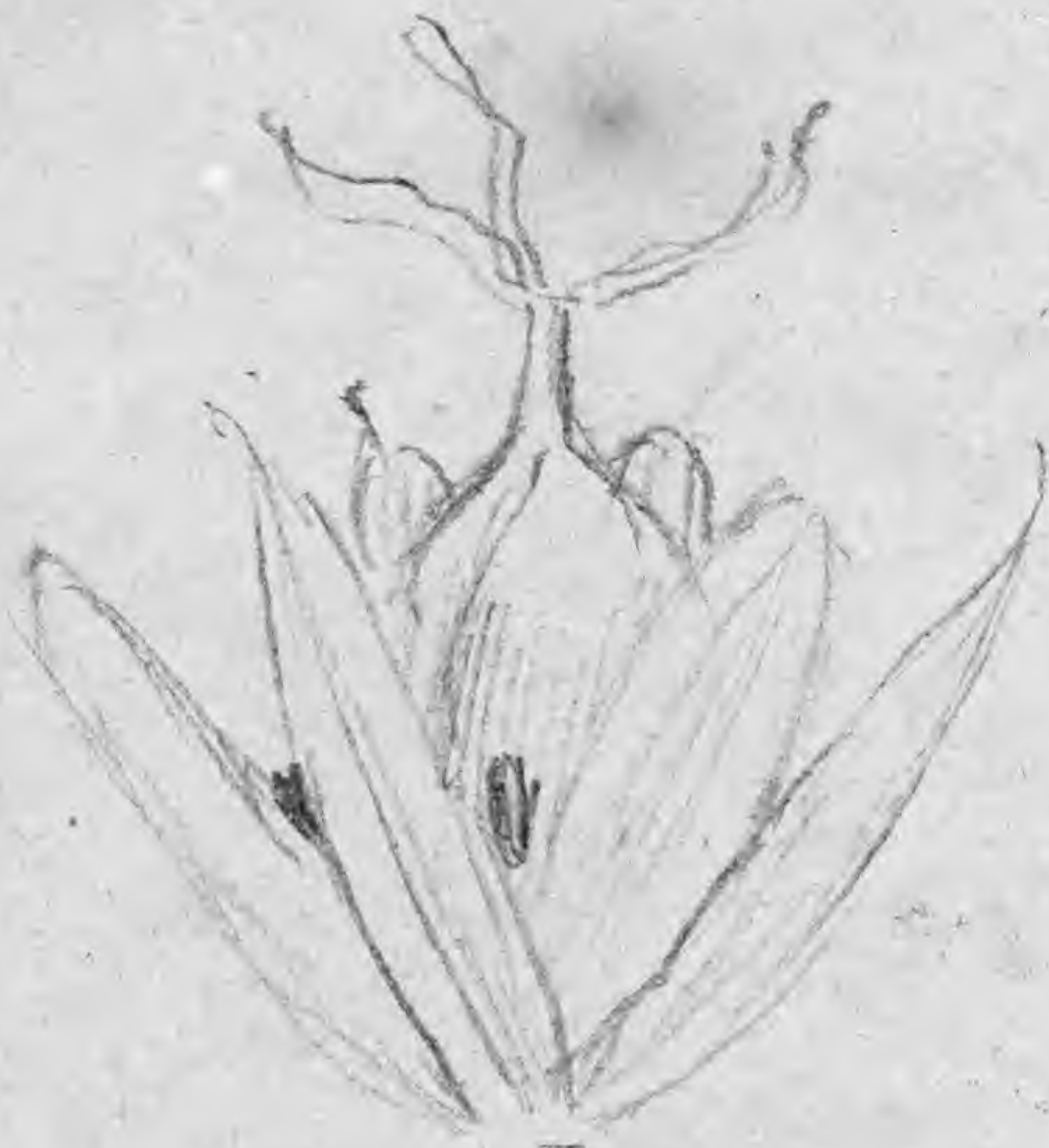


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J.

Oct 9 1865

Lake Superior, Loring - Hb Gray



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Junonia

Octob 10 1865

Upper Platte, Hayden - Hb Gray

8-10 inches high

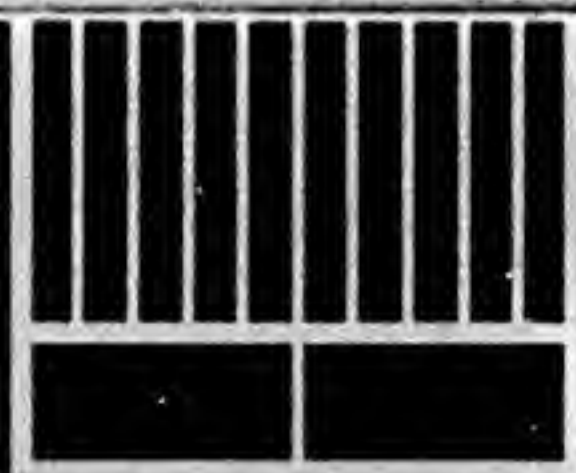
heads about 5 flamed.

obtusely looking

x 10



sepals equal, obtuse
outer ones scarcely
emarginate



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