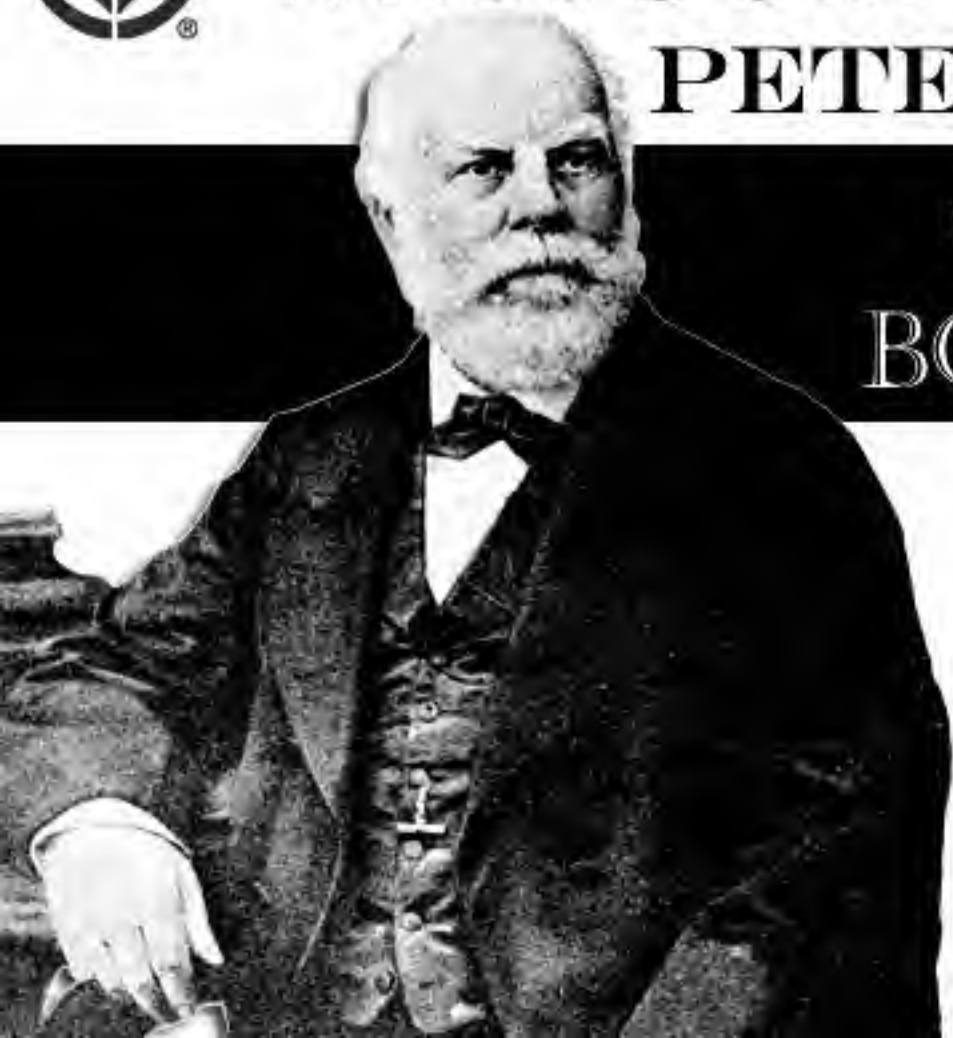




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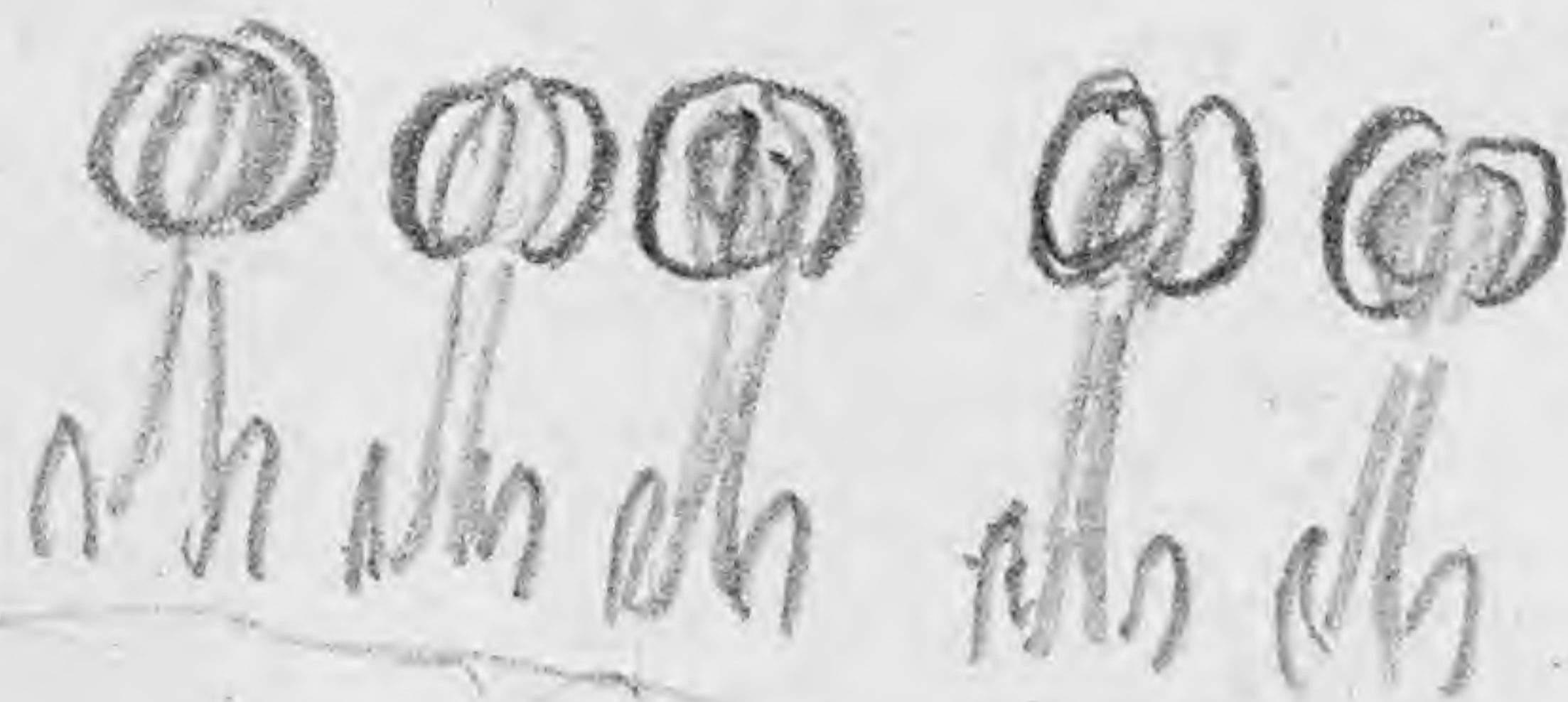
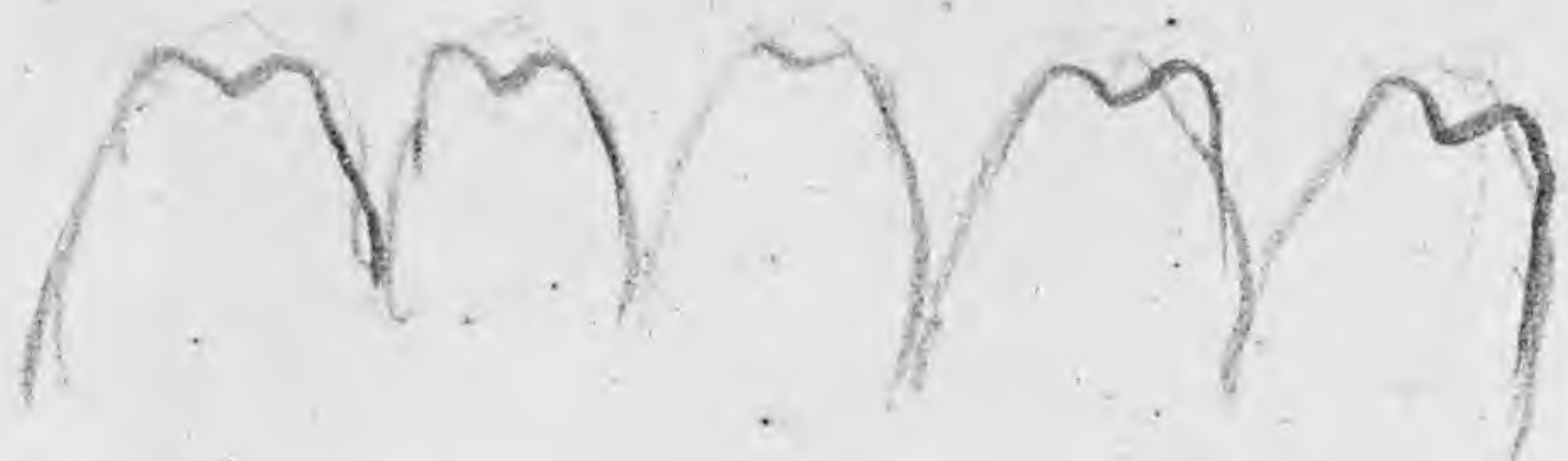
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BOTANICAL NOTEBOOKS

*Pagination Note:*

*Since many of the items lack a specific page number, the page number displayed online refers to the sequentially created number each item was given upon cataloging the materials.*

*Nemophila Ellisia subsp. nov.*

St Louis May 1860



each stam at  
base with 2

style



hairy  
pistil



style  $\frac{2}{3}$  united (a little after  
corolla same flowering

$\frac{5.5}{412}$

Pollen



lobes emarginate or  
often only obtuse or  
obtusate  
shorter

corolla a little  
longer than calyx. or in first flowering  
no appendages at  
sinus of calyx

lobes of petals  
sometimes spotted!  
purple



0 1 2 3 4 5 6 7 8 9 10

cm

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3845

T. TANTON,  
APOTHECARY,  
CORNER OF SIXTH AND OLIVE STREETS,  
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cm

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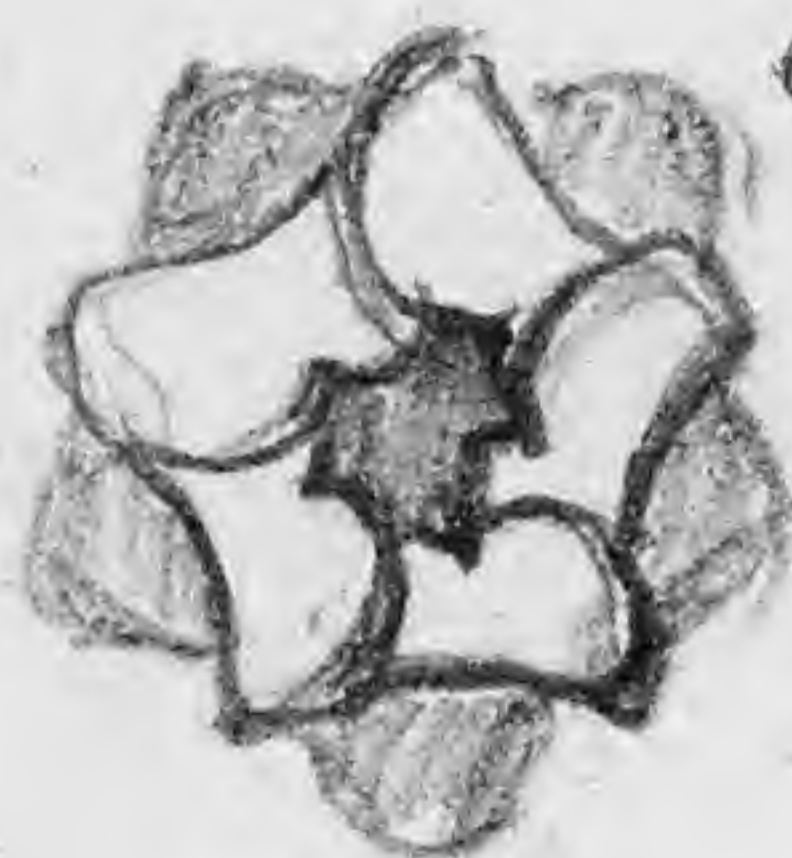
*Ellisia ambigua*

May 7 1862

5 angles of the Tube correspond to the median line of petal.



sometimes

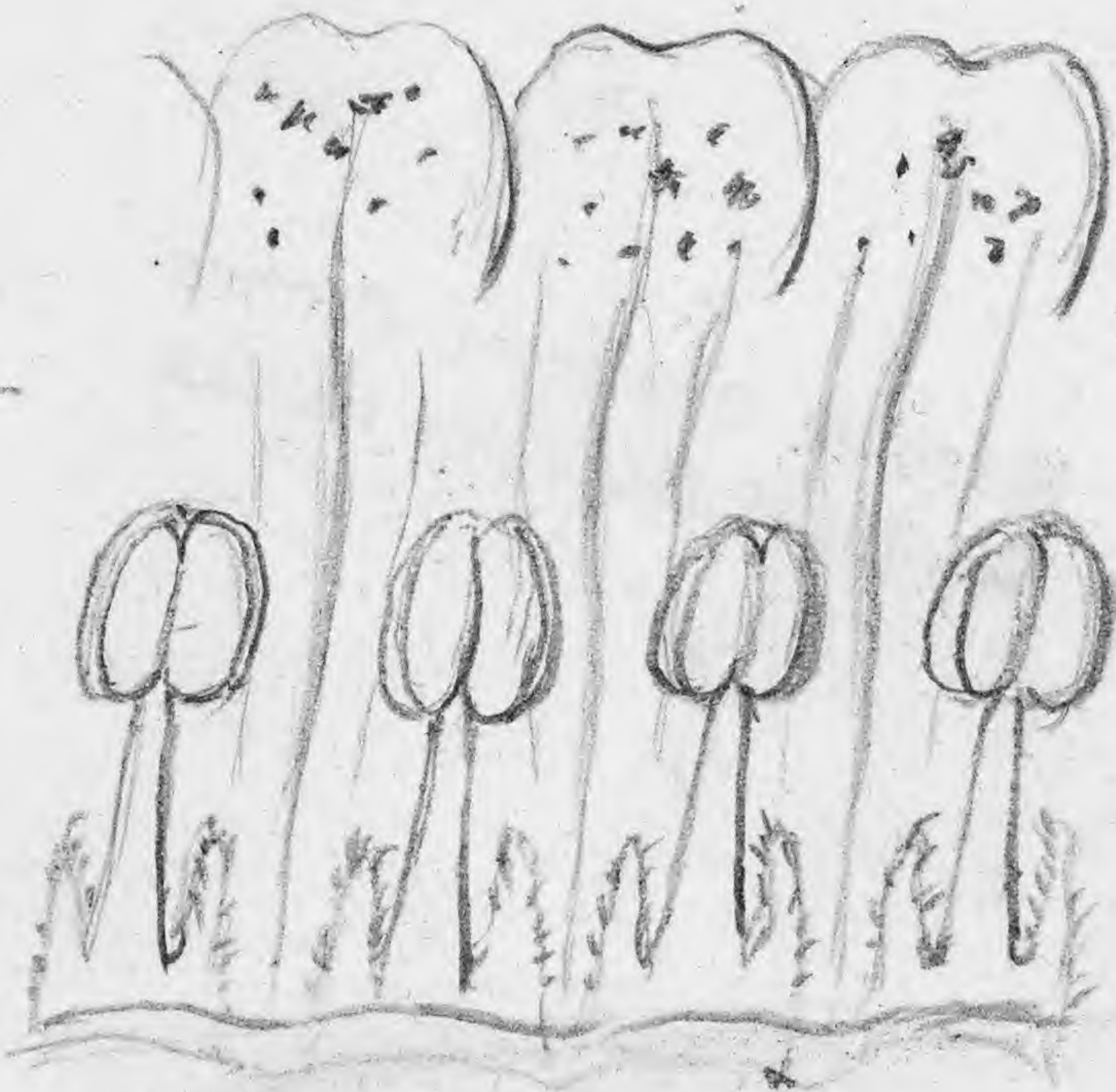


angles of tube

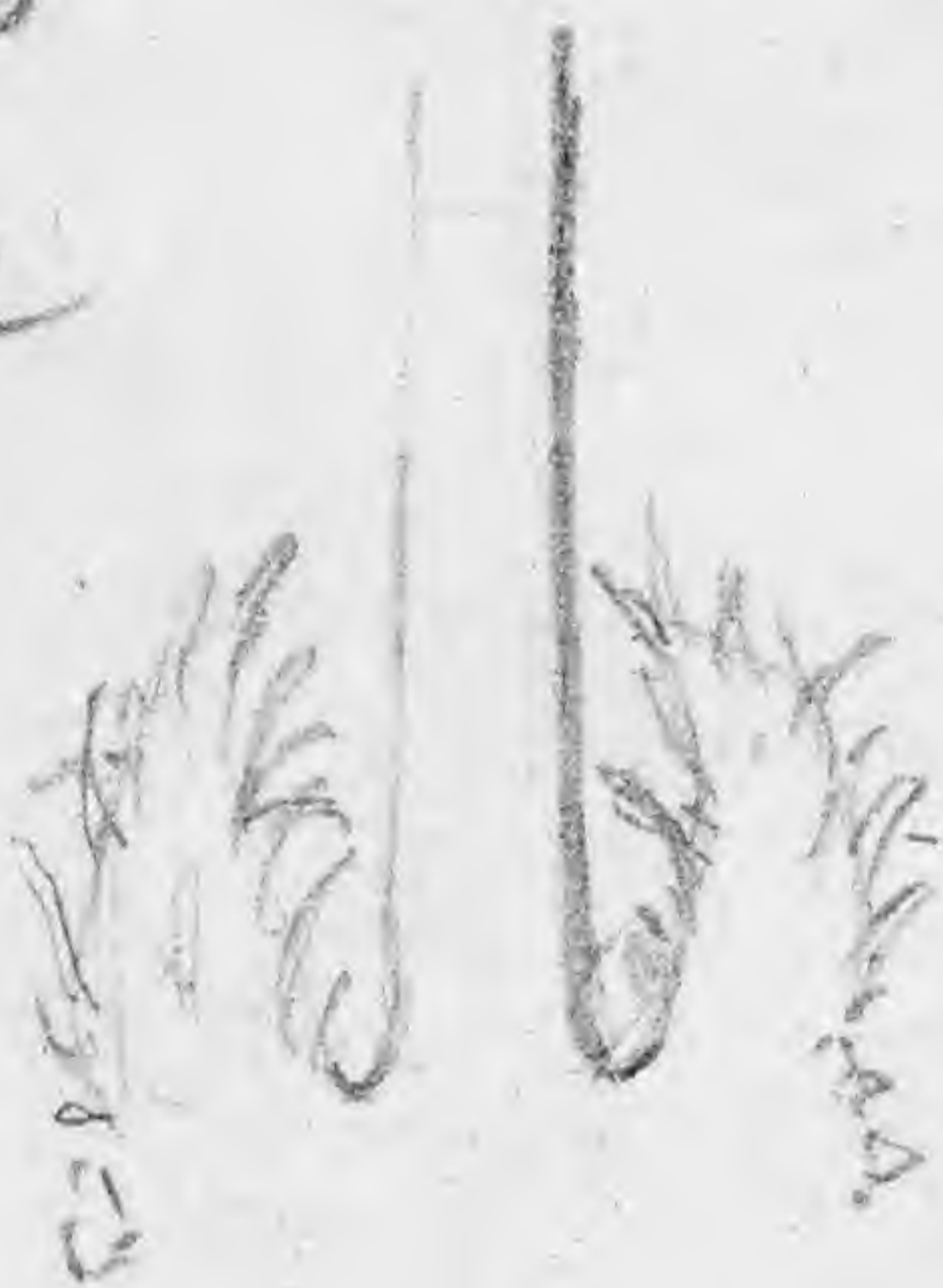
bud more open



usual



lobes purple-spotted  
& nerved



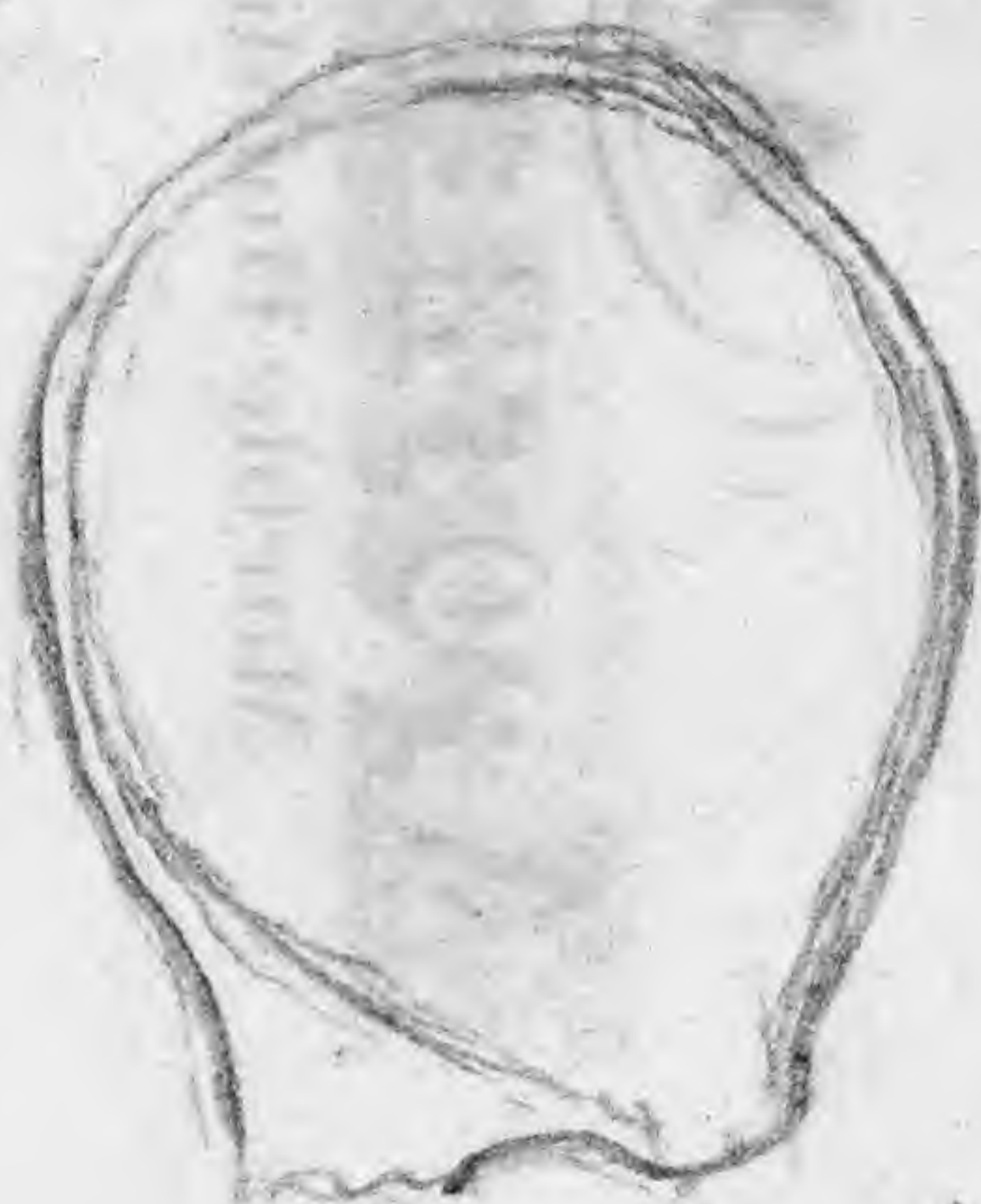
Pollen

x 415

dry



in water



ovule x 60



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**APOTHECARY & PHARMACEUTIST,**

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cm

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*Callisia ambigua*

June 1860

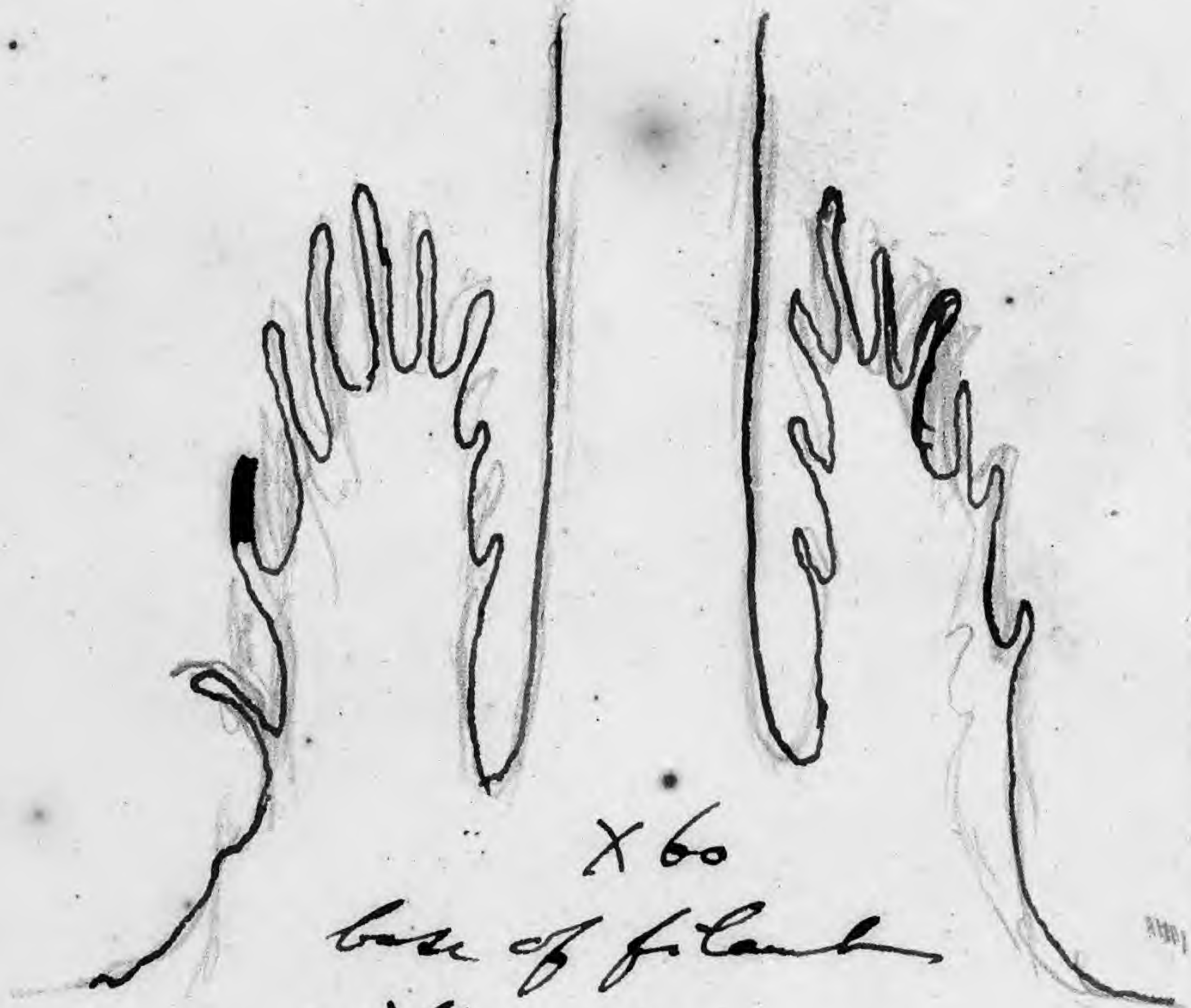
x 60

scale of base  
of



x 60

base of filament  
with scales



scales somewhat  
incurved

scales fringed, with the part of  
the filament itself - (apparently  
united at base with the next  
scales?)



ovule; funiculus very short, from base of ovary



0 1 2 3 4 5 6 7 8 9 10

cm

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*[Faint handwritten notes and botanical sketches, including a large drawing of a plant structure and a smaller one in the bottom right corner.]*



0 1 2 3 4 5 6 7 8 9 10

cm

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or *E. maculata* n. sp.

*Ellisia* *ambigua*

1862

x6

Harlem Illinois

Dr. Vasey



lobis corollae late  
ortis basi auriculatis,  
retusis s. emarginatis,  
purpureo-maculatis.



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cm

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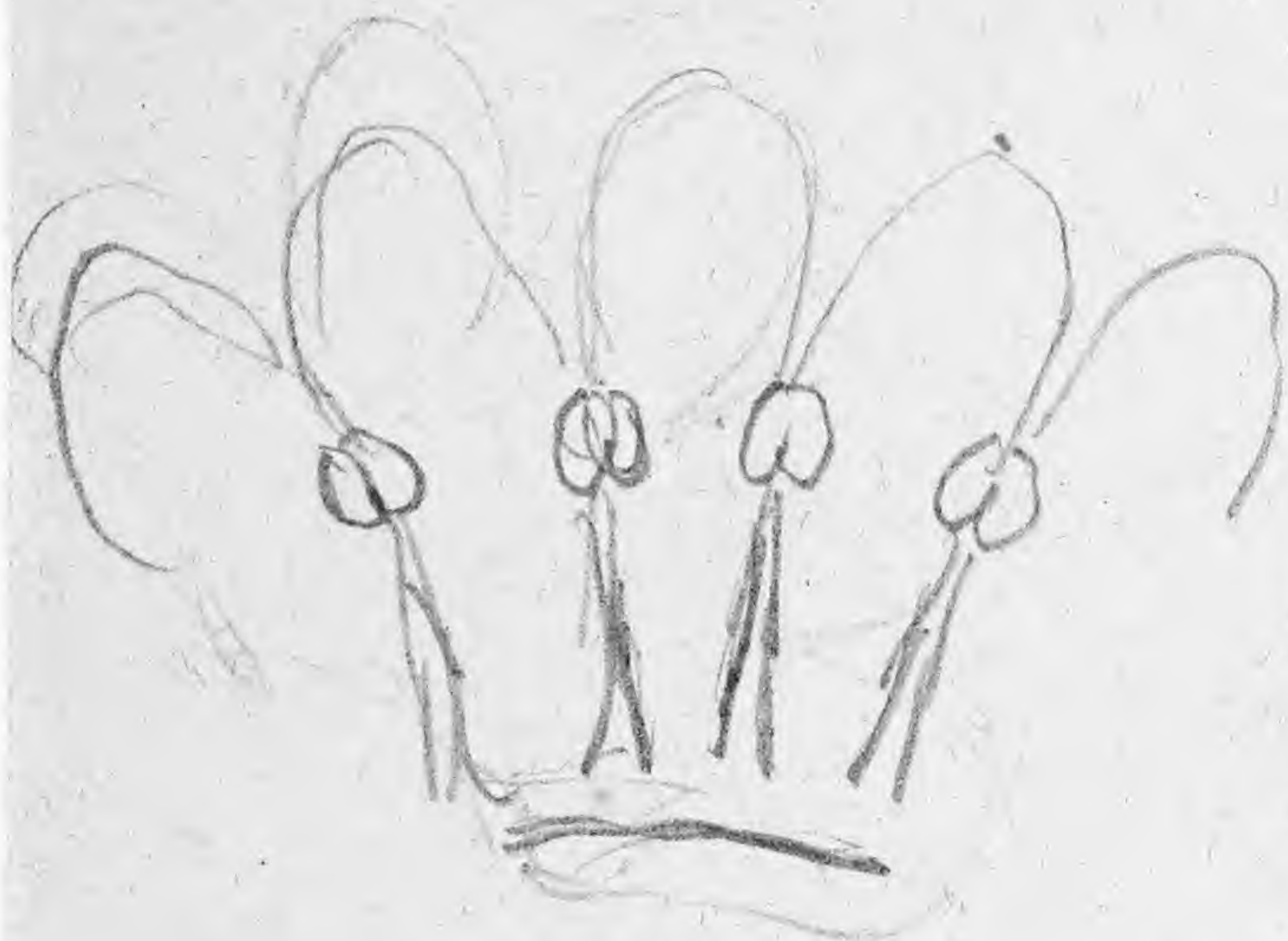


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May 1860

*E. var. unicolora*

Memphis Fe  
Full



No scales!



ovary naked below  
style of same length  
single

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HERBARIUM

GEORGE ENGELMANN PAPERS

YERGEN

MISSOURI BOTANICAL GARDEN



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cm

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**BARNUM'S**

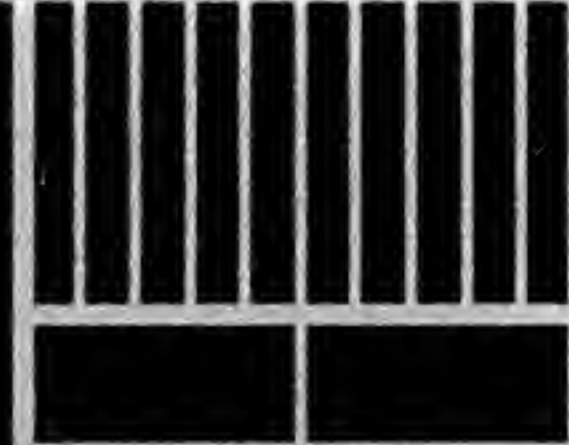
**APOTHECARY,**

CORNER OF SECOND AND WALNUT STREETS,

UNDER BARNUM'S HOEEL,

**SAINT LOUIS, MO.**

MISSOURI BOTANICAL GARDEN  
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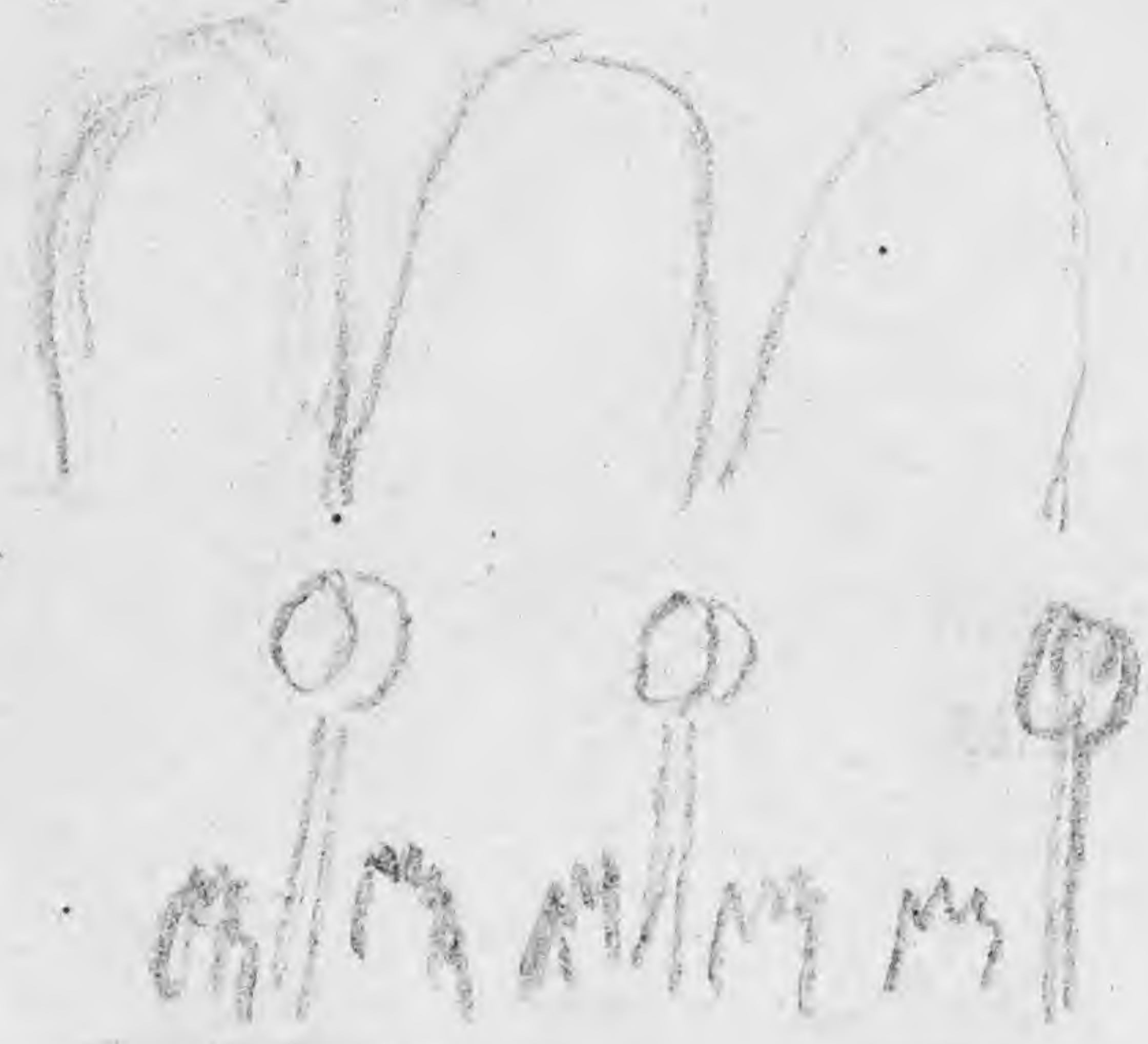
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cm

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*Ellisia Nyctelea*

1860

Hort. Bot. Frankfurt



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0 1 2 3 4 5 6 7 8 9 10

cm

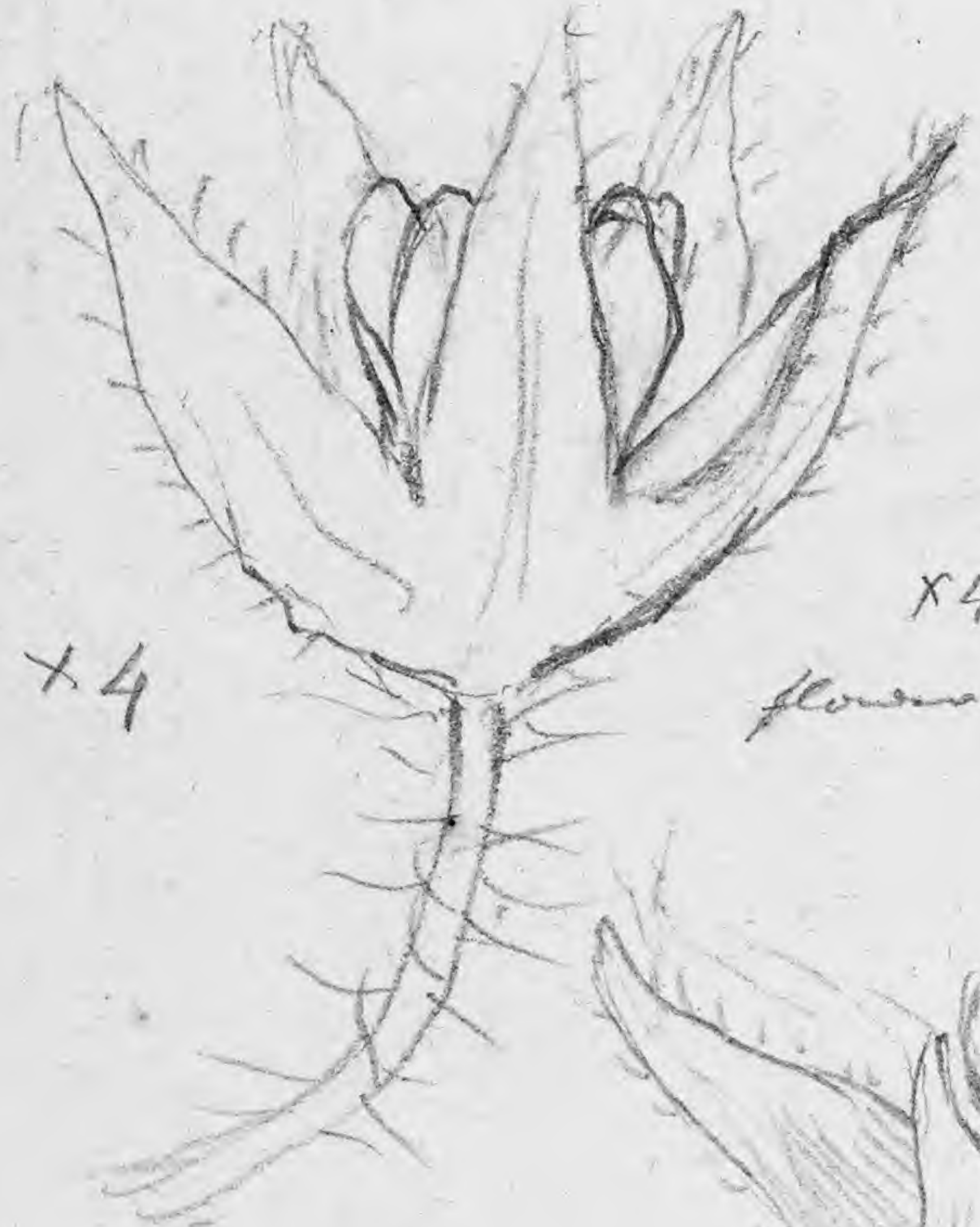
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*Ellisia nyctelea*  
*morrisvillii* Pa

Aug. 1862

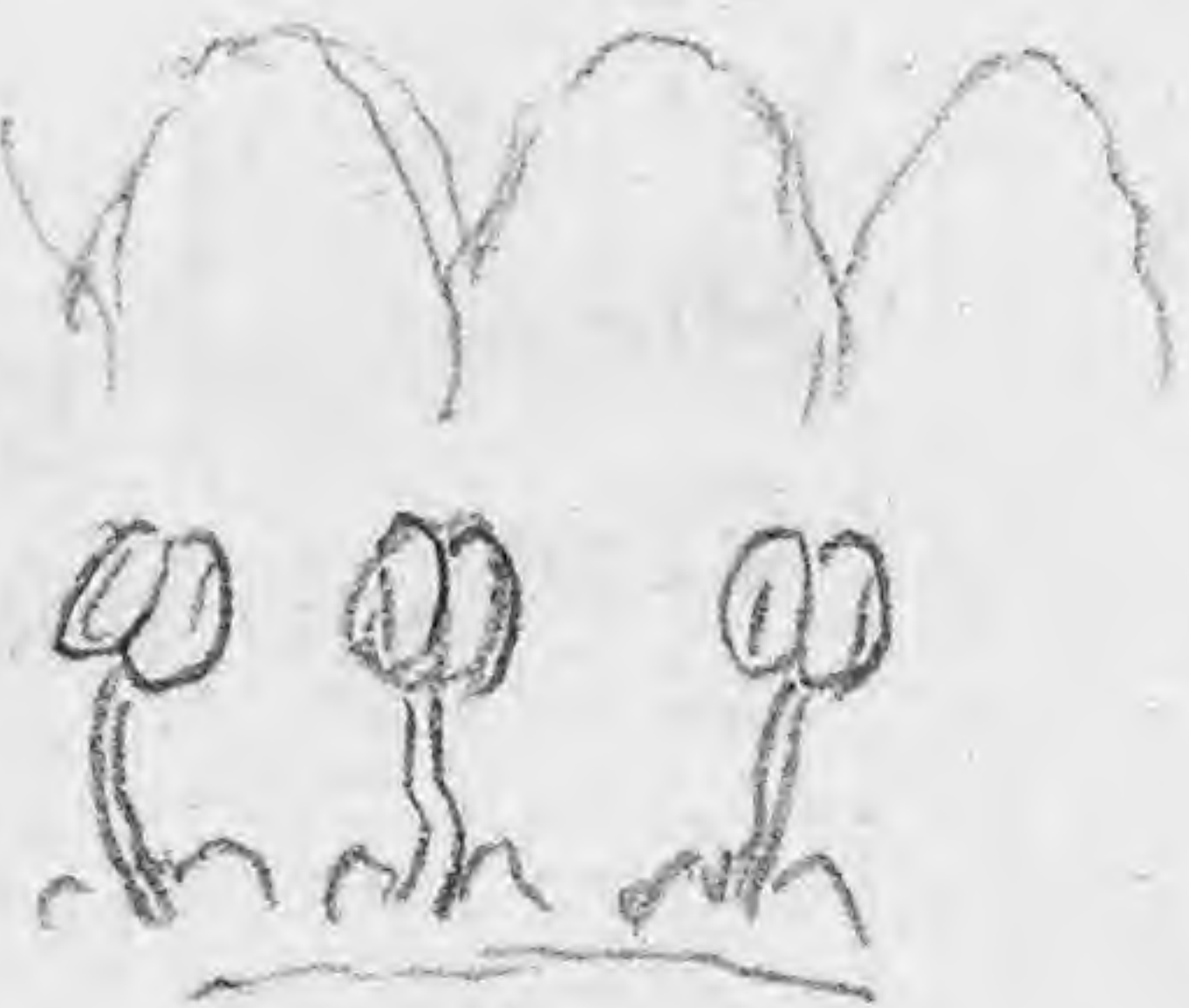


x4



x4

flowers scarcely open



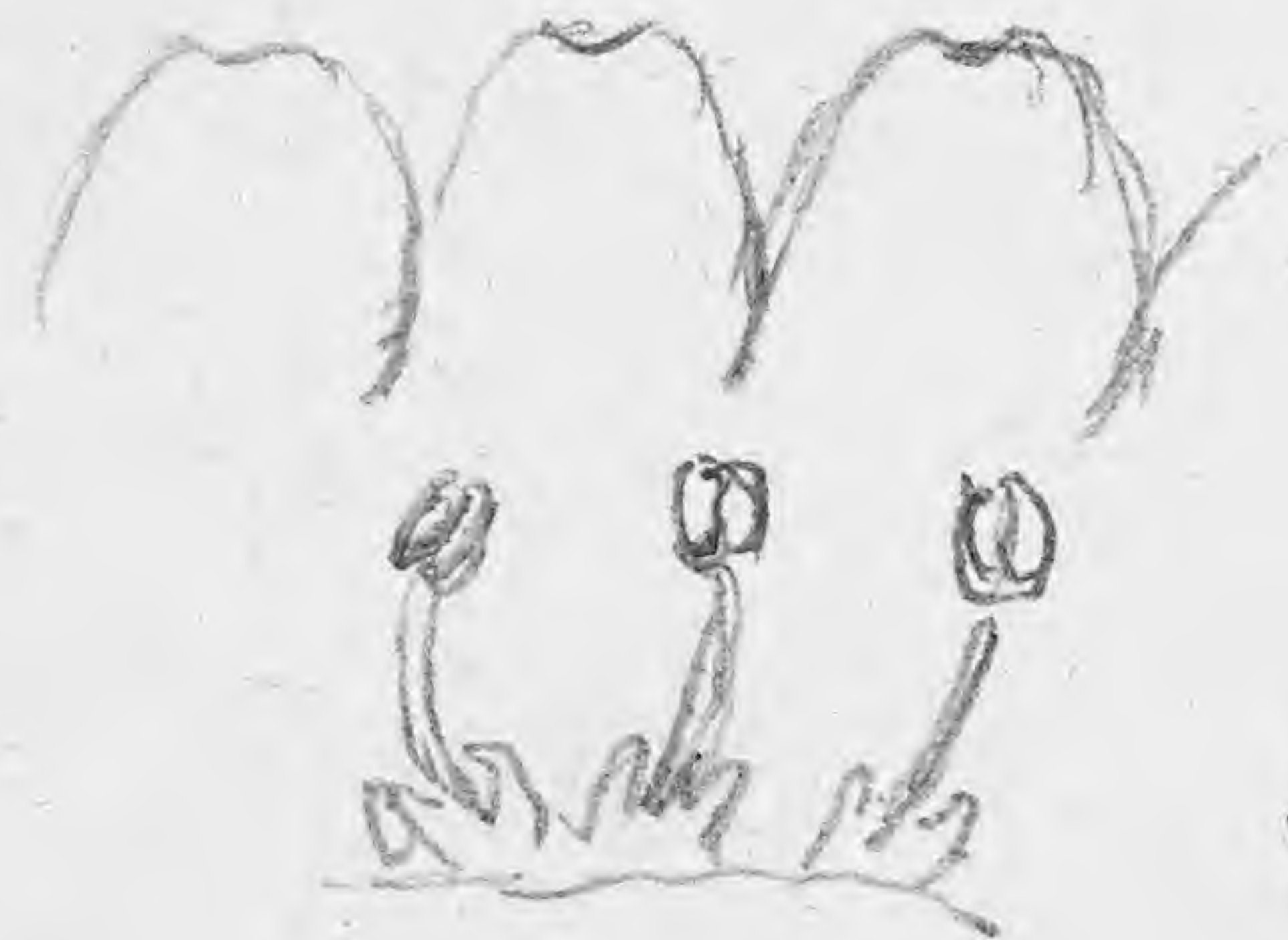
x30



x4



fully open



flower



x30

Corner, 5111th and Market Streets of TOMES' No.

JAMES W. TOMES & COMPANY  
PRINTERS & ENGRAVERS



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cm

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**DRUGGISTS,**

Corner Fifth and  
Market Streets, St. Louis, Mo.

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0  
cm

1

2

3

4

5

6

7

8

9

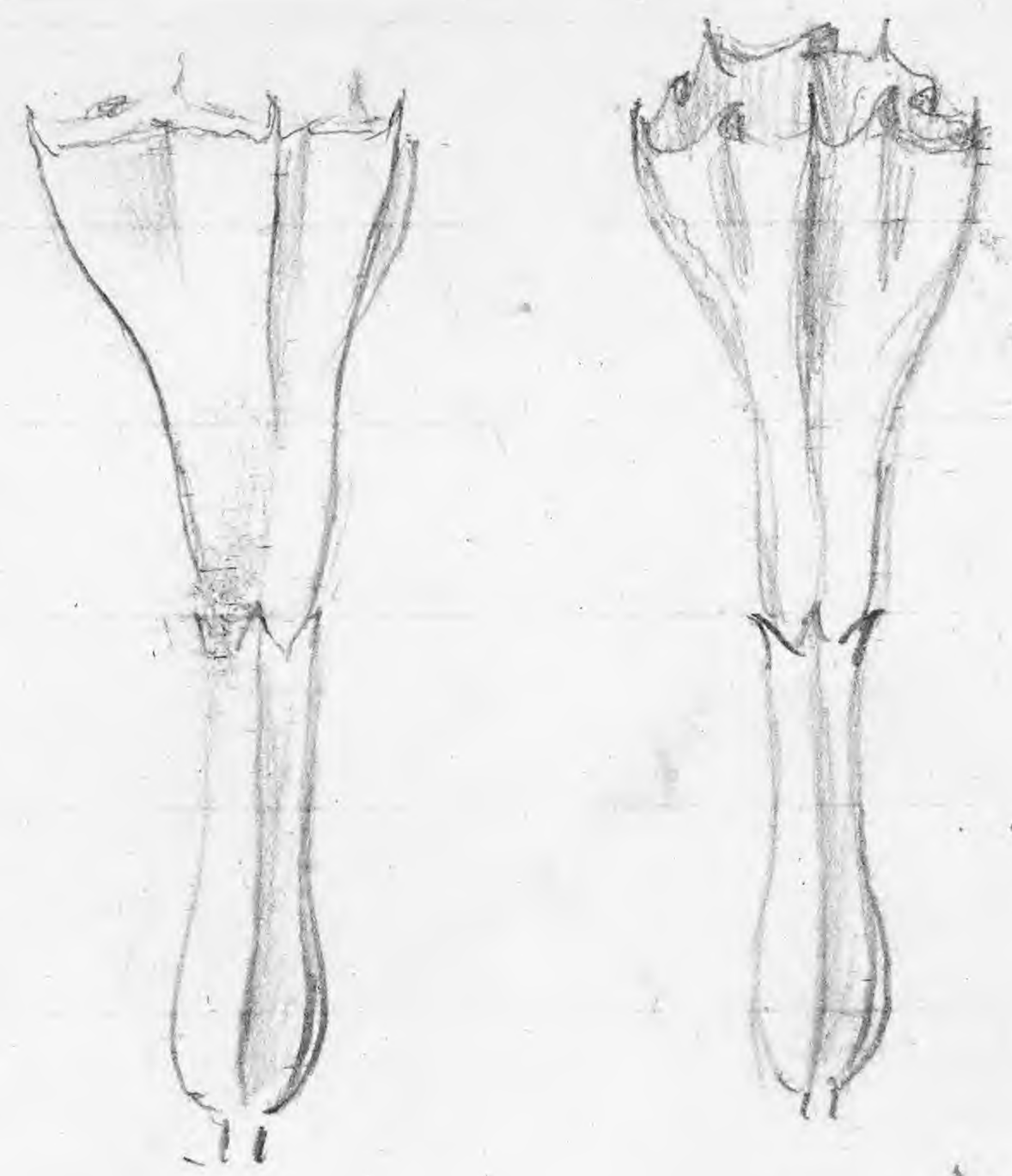
10

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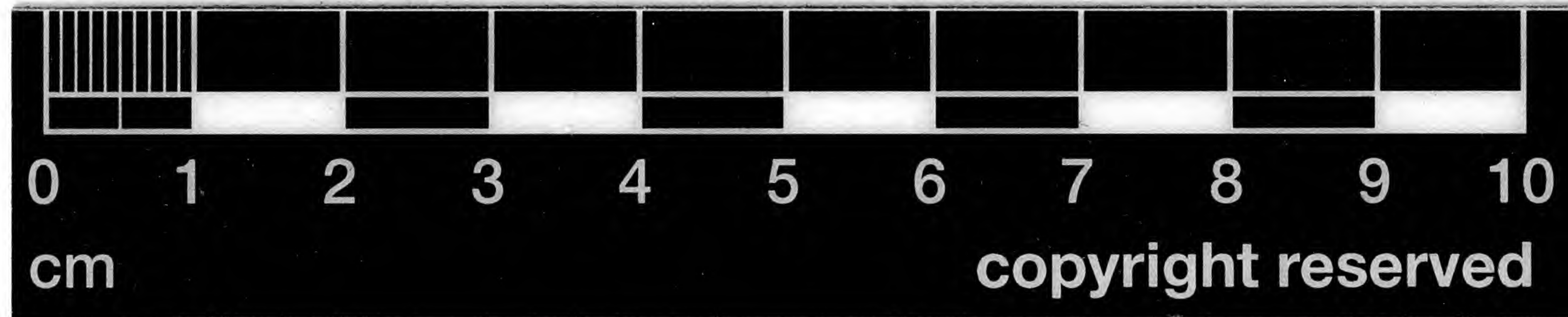
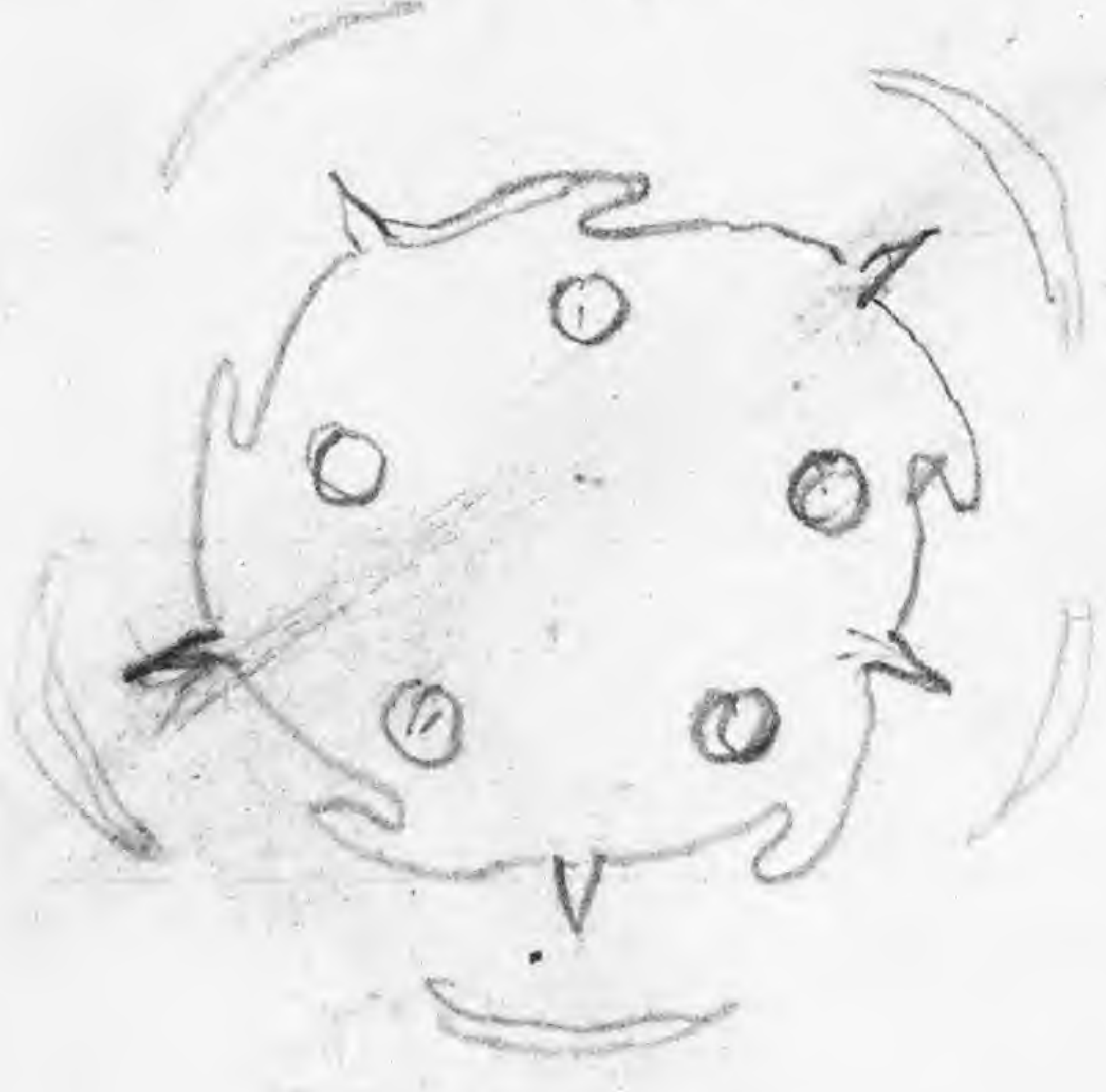


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*Datura Tatula*  
*quercifolia*



*Santa Fe Sept 8<sup>o</sup> 1881*



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*Solanum jasminoides*  
is the plant every where  
cultivated in Italy.



0 1 2 3 4 5 6 7 8 9 10

cm

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~~Pinus Torreyana with adventitious buds~~

~~Herbarium of the~~

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~~Engelmann's Herbarium~~

~~Pinus Torreyana = Kalmianus~~

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cm

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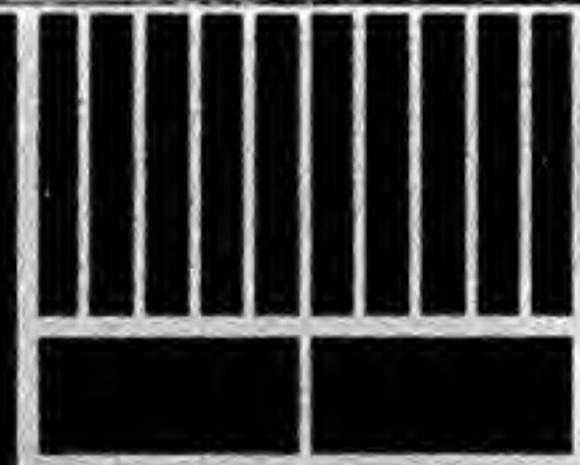


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Blancose Texmex et A Gray

Hill. Journ. n. ser. 22. p. 284.

Verben . . . ib. . . p. 296 (3)



0 1 2 3 4 5 6 7 8 9 10

cm

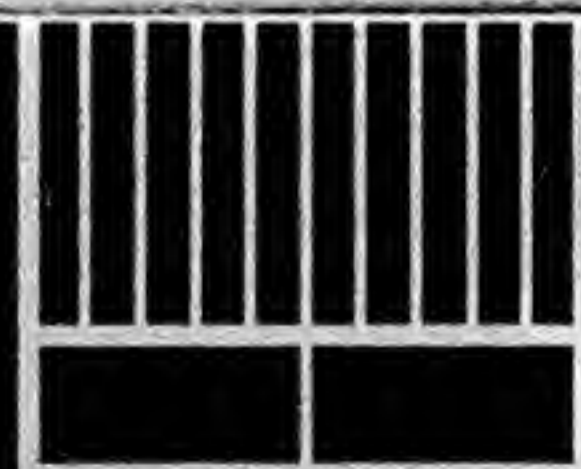
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cm

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... hundred in-  
dians, (men, squaws and children,) draw daily rations of beef and flour at this post. They are somewhat annoying, but tractable and docile. Some ten or fifteen miles from here, they cultivate small patches of wheat, corn and Navajo potatoes, (the latter of very small growth—about as large as an ordinary acorn.) The industrious portion of the tribe manufacture blankets and stockings, and tan deer skins for sale. In addition, they raise a number of ponies, cattle and sheep. Some distance from here, (say one hundred miles or so,) they reside in beautiful, fertile

Navajo  
Country



0 1 2 3 4 5 6 7 8 9 10

cm

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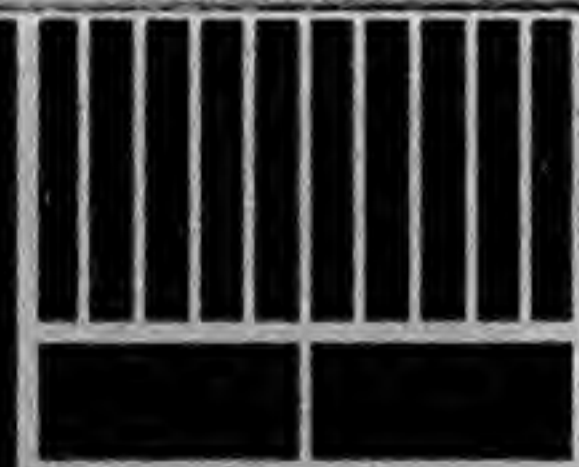
- 3—Corner of Fifth and  
4—Engine House, corner of Third and Locust streets  
5—Turner's Hall, corner of Fifteenth and Walnut  
streets.

Recruits from neighboring States will be provided with  
transportation, and be paid from date of enlistment,  
with subsistence from the time of reporting at the Ren-  
dezvous.

HEAD QUARTERS—130 WALNUT STREET. se9

**COLONEL PHILLIPS'**  
**REGIMENT!**  
**ILLINOIS VOLUNTEERS.**  
**IRISH BRIGADE.**

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0 1 2 3 4 5 6 7 8 9 10

cm

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*Phacelia coronata*

Europe Aug 24



filaments at base of petals  
half as long as tube  
lanceolate, acute towards  
the middle of petal, free towards  
filament, concave towards  
(the middle of petal <sup>rather</sup> towards)  
the centre of flower



0 1 2 3 4 5 6 7 8 9 10

cm

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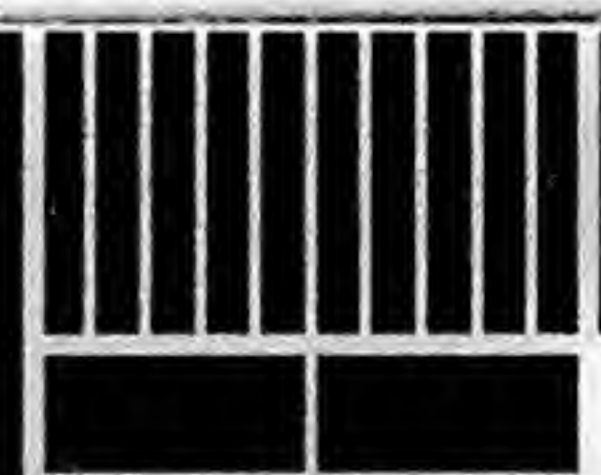


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0 1 2 3 4 5 6 7 8 9 10

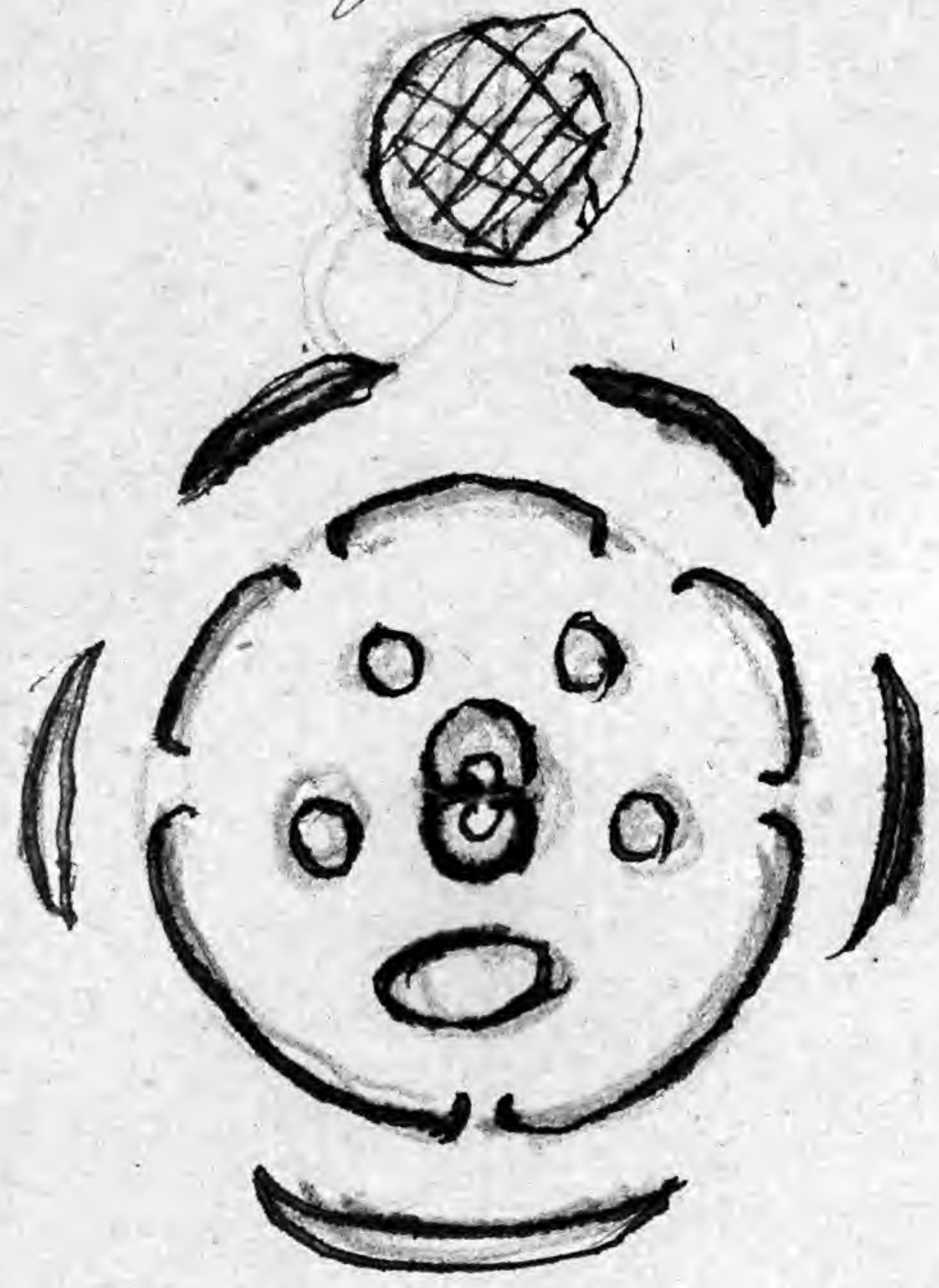
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Nyctenium



Liana Lindheimeri

cult. Missouri Aug. 1848

Aestivatis ~~radicata~~

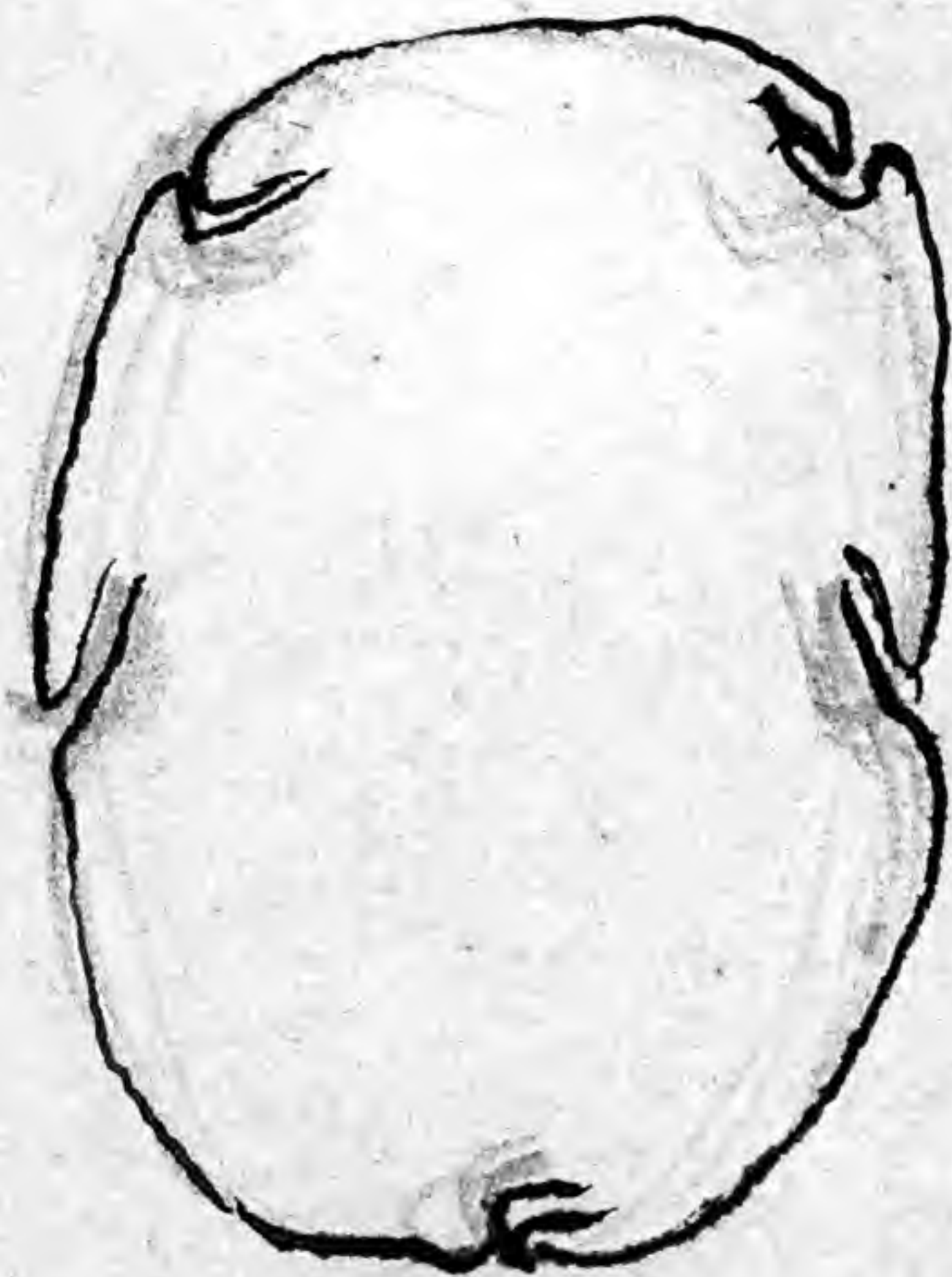
ovarium liberum, biloculare,

~~capite~~ immixtum calyce acuto  
arcte circumdata, ~~incomplete~~  
biloculari (dissepimento supra  
soluto)

corolla immixtum sicca tenuissima  
calyci includente 5-valvati dehiscenti  
arcte adherente <sup>cum eo</sup> ideoque disrupta;  
placenta centrali, dissepimento plane  
obliterato



aestivation of  
petals in a very  
young flower bud



aestivation  
in bud just  
before opening



0 1 2 3 4 5 6 7 8 9 10

cm

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*Handwritten notes, possibly "Stoulan"*



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cm

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