



MISSOURI BOTANICAL GARDEN  
PETER H. RAVEN LIBRARY



GEORGE ENGELMANN  
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.*



115. ~~6~~

228.



Paris June 1857

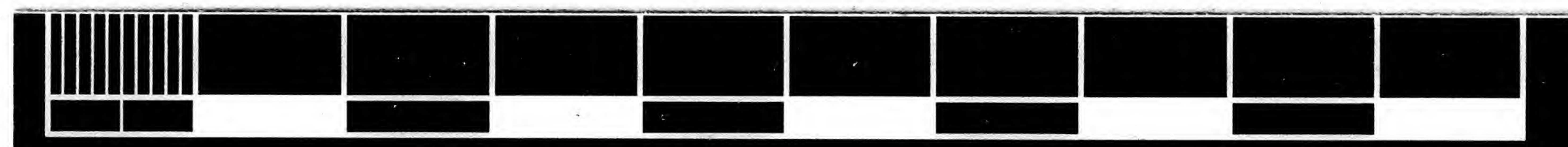
*Graminea* *racemosa*

*Brazilii* near *Boultonii*

Sellow [no number]

in Herb. reg. Berlin.

No. I doubt the correctness of my former identification and in the last days of my stay at Berlin, I looked through the Herbarium again and got some more of Sellow's specimens, carefully labeled; this is among them. The plant agrees with fig 115 every way — but the calyx is scarcely glandular, more turbinate, ovary more that of *Gr. racemosa* — in styles also — my present specimen is young no fruit. — I would take this for a smallflowered form of *Gr. racemosa*, with large calyx.



0 1 2 3 4 5 6 7 8 9 10

cm

copyright reserved



MISSOURI  
BOTANICAL  
GARDEN





Sellow, Rio Jan, Santa Cruz, 4.99. B.

is very similar, about the same, but Calyx a little shorter, and petals therefore still nearer to *P. racemosa* — apparently uniting the other form with it.

MISSOURI BOTANICAL GARDEN  
GEORGE ENGELMANN PAPERS



0 1 2 3 4 5 6 7 8 9 10

cm

copyright reserved



MISSOURI  
BOTANICAL  
GARDEN



Merula 111; roripare 63

Curat. *diversa* 2. 5/1  
is it not roripare?

Brasilii meridionalis

Sellow (no number)

in Herb. reg. Berol.

caulis capillare - fl. f. f.

ramis multifloris fasciculatis -

paniculatis; fl. pedicellatis, parvis; calycis  
glaberrimi

ovariis lobis ovatis obtusis tubo

ovuliferis subaequalibus; lacinis

ovatis lanceolatis obtusis demum

recurvis apice recurvis; tubo

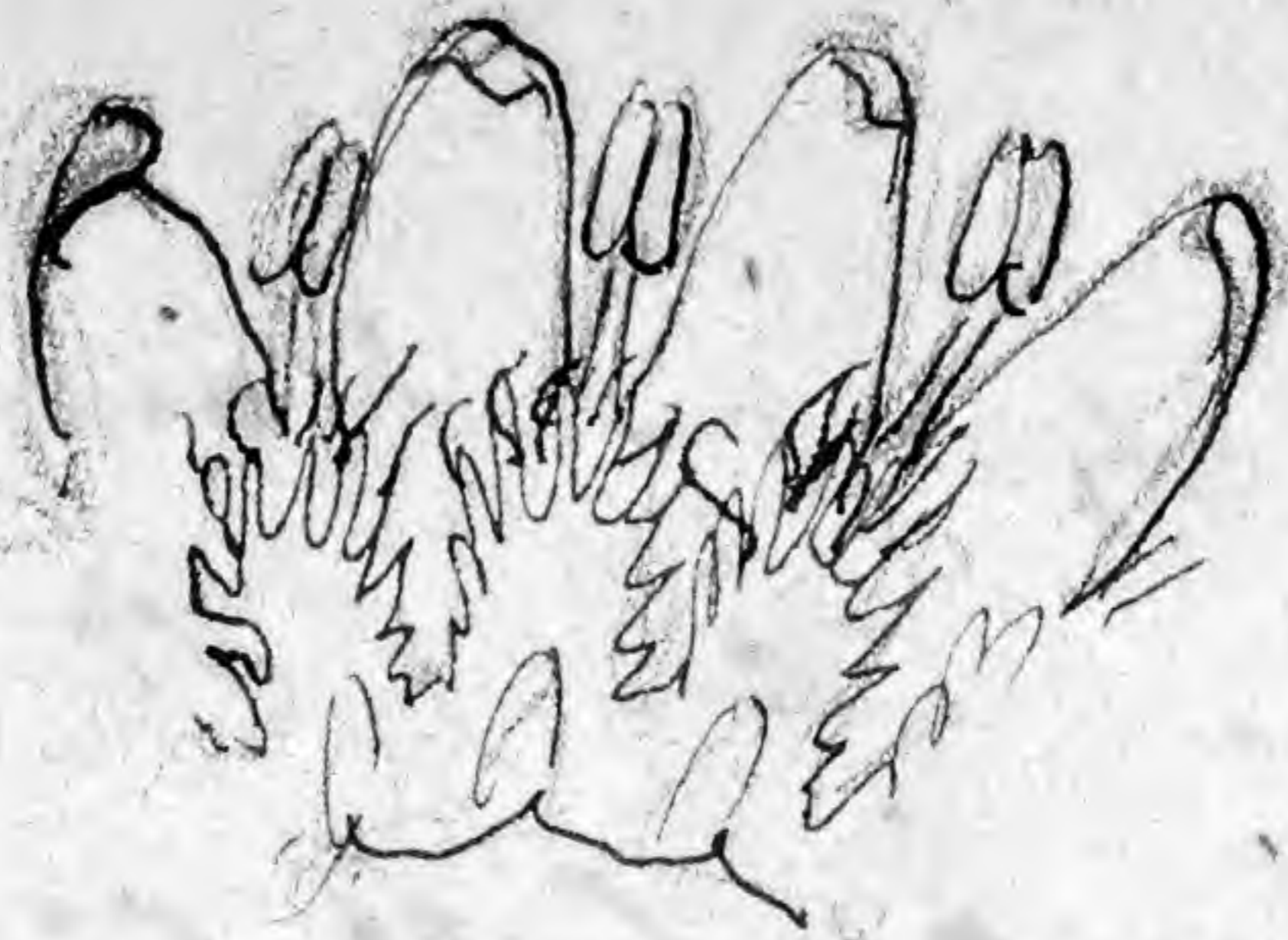
antheris staminibus brevibus; antheris

oblongis filamentis subaequalibus; squamis ovatis

majoribus tubo excedentibus; ovario majoribus

stylis brevibus; capsula <sup>baccata</sup> <sup>depressa</sup> basi solum corollae marginem

indurata; sem. compressis lenticularibus vix verrucosis.



102

102

0.6



0 1 2 3 4 5 6 7 8 9 10

cm

copyright reserved



MISSOURI  
BOTANICAL  
GARDEN



flowers scarcely over 1 li by, dense flowered pediculate  
young <sup>to</sup> 1 inch in diameter, -

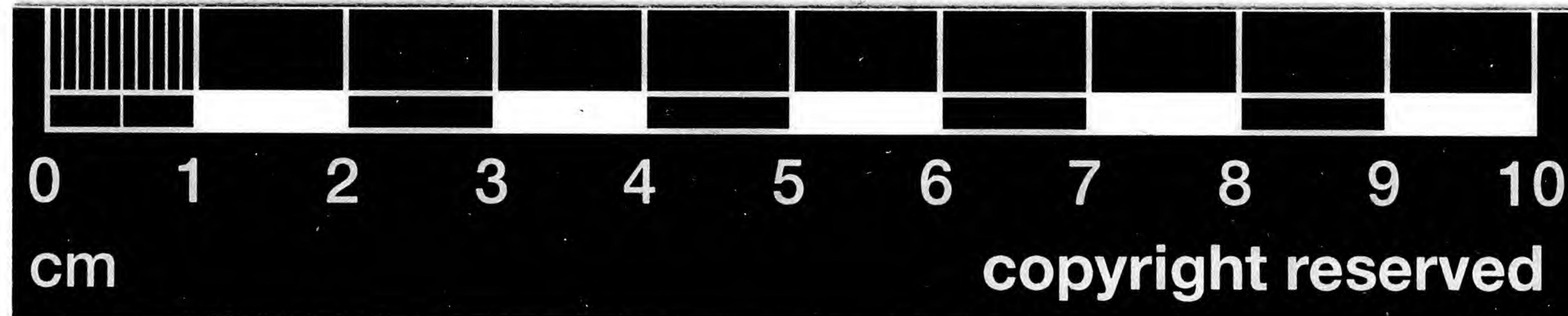
near *C. standleyi*, but even if no difference should be  
found in the scales - the capsule lobes of the ovule are equal  
to the tube in one part, tube equal to the calyx (not long)  
and ovule narrows at base of capsule -

also

Weddell (see numbers) Minas Geraes, Brazil 1844  
is the same plant, small flowers, large obtuse  
calyx; glandular; flowers a little larger than  
- follows plant

Why is this not *C. mucronata* (breviflora)

MISSOURI BOTANICAL GARDEN  
GEORGE ENGELMANN PAPERS



MISSOURI  
BOTANICAL  
GARDEN

copyright reserved



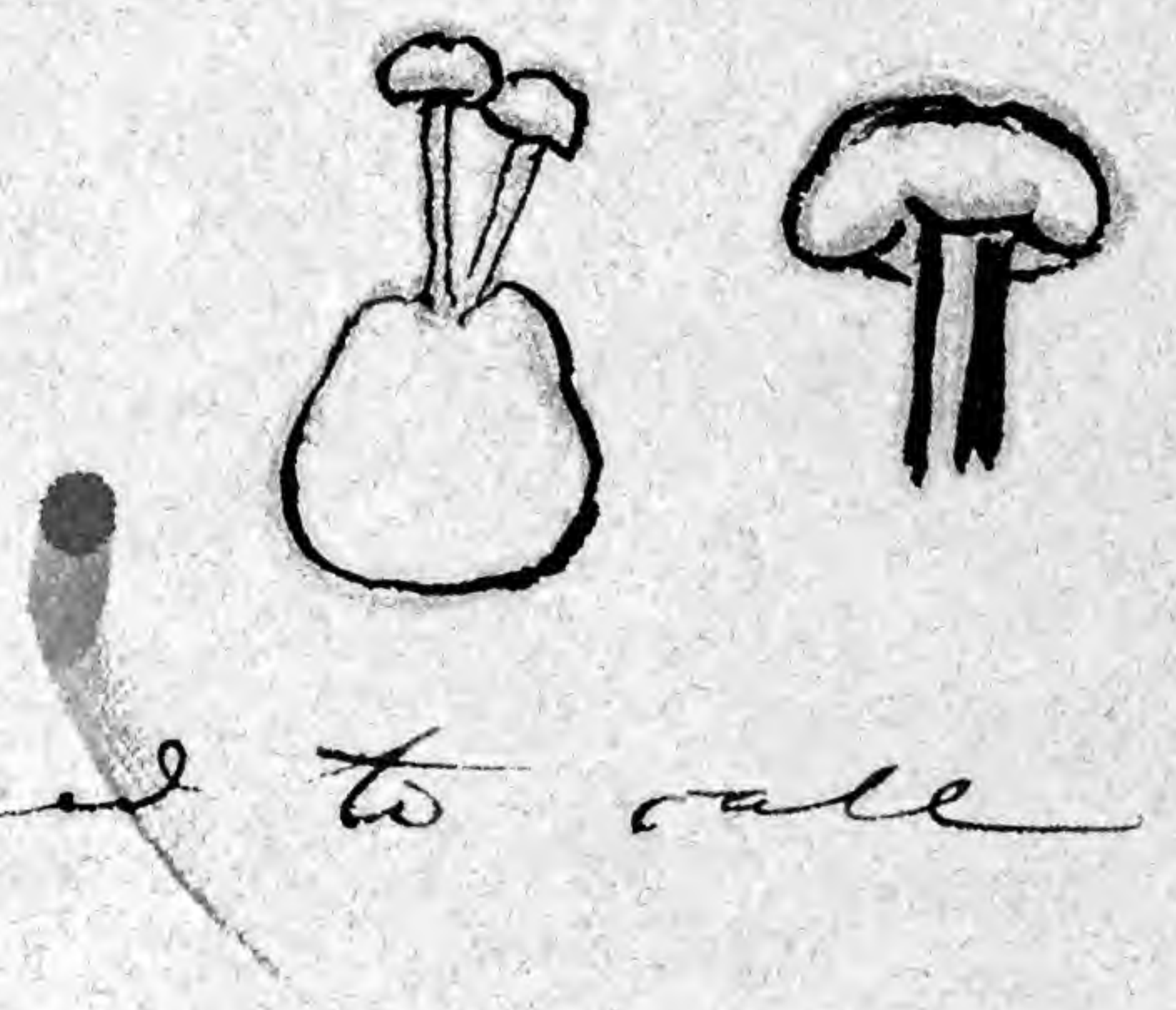
34  
Hook 42. E

= 19

Cucurbit ~~coquimbana~~ <sup>raremosa</sup> var. *firma* Gardner. near Rio Janeiro

calycis corollaeque glandulosa, firmior, squamis basin staminum  
fere excedentibus, marginis circumscissis; stylis in albis  
stigmatibus unguibus umbrelliformibus.

42. a The same: 42. a, Brazil Mr. Booy  
with a stout stylopod on the ovary, or  
a fleshy ring surrounding the styles,  
which is always the case in what I used to call  
a stylopod.



0 1 2 3 4 5 6 7 8 9 10  
cm copyright reserved



MISSOURI  
BOTANICAL  
GARDEN



4877



MISSOURI BOTANICAL GARDEN  
GEORGE ENGELMANN PAPERS



0 1 2 3 4 5 6 7 8 9 10  
cm copyright reserved



MISSOURI  
BOTANICAL  
GARDEN



= 15 252?

*Cuscuta miniata* Mart.!

Minas Geras, Brasilia

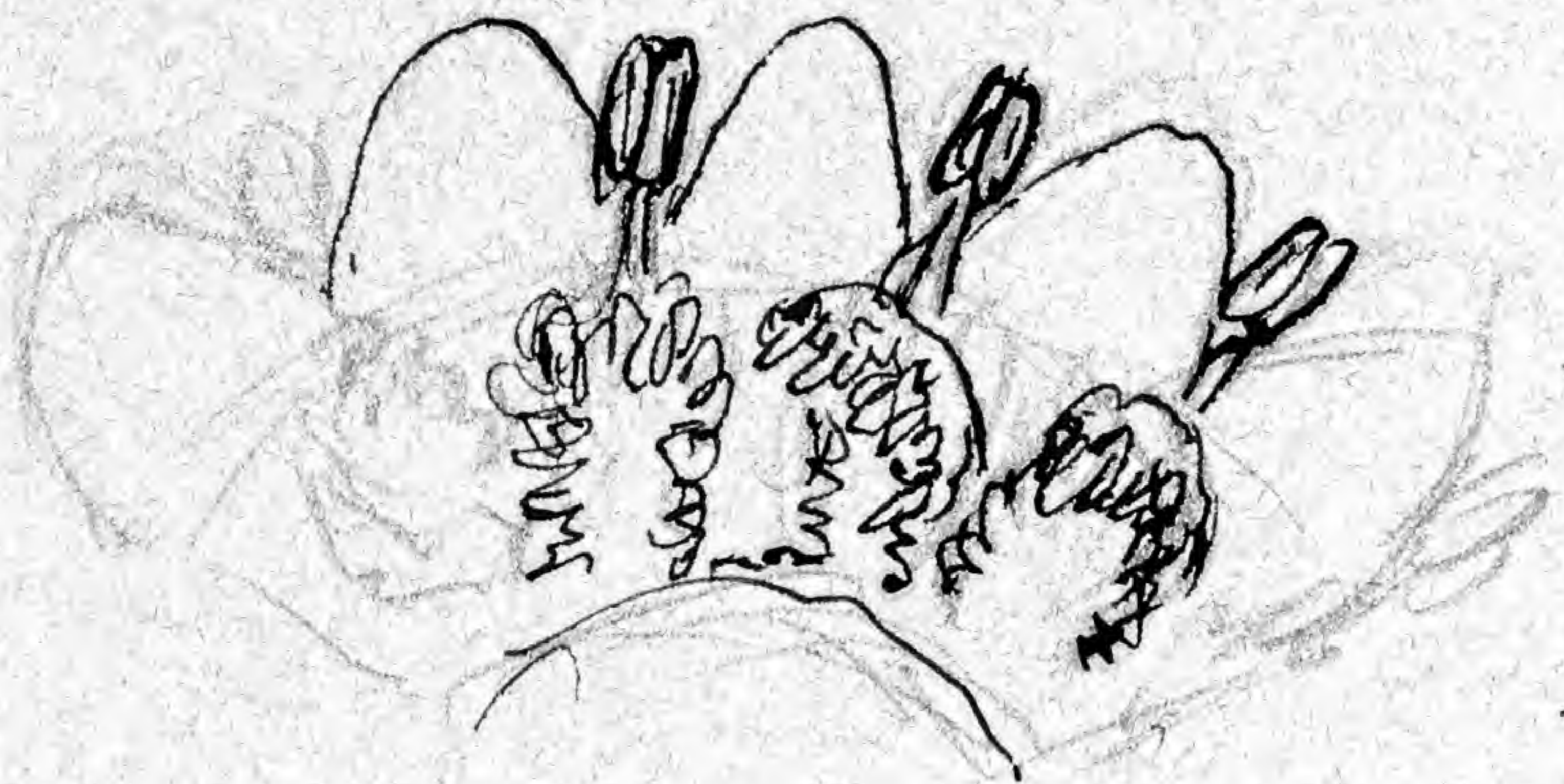
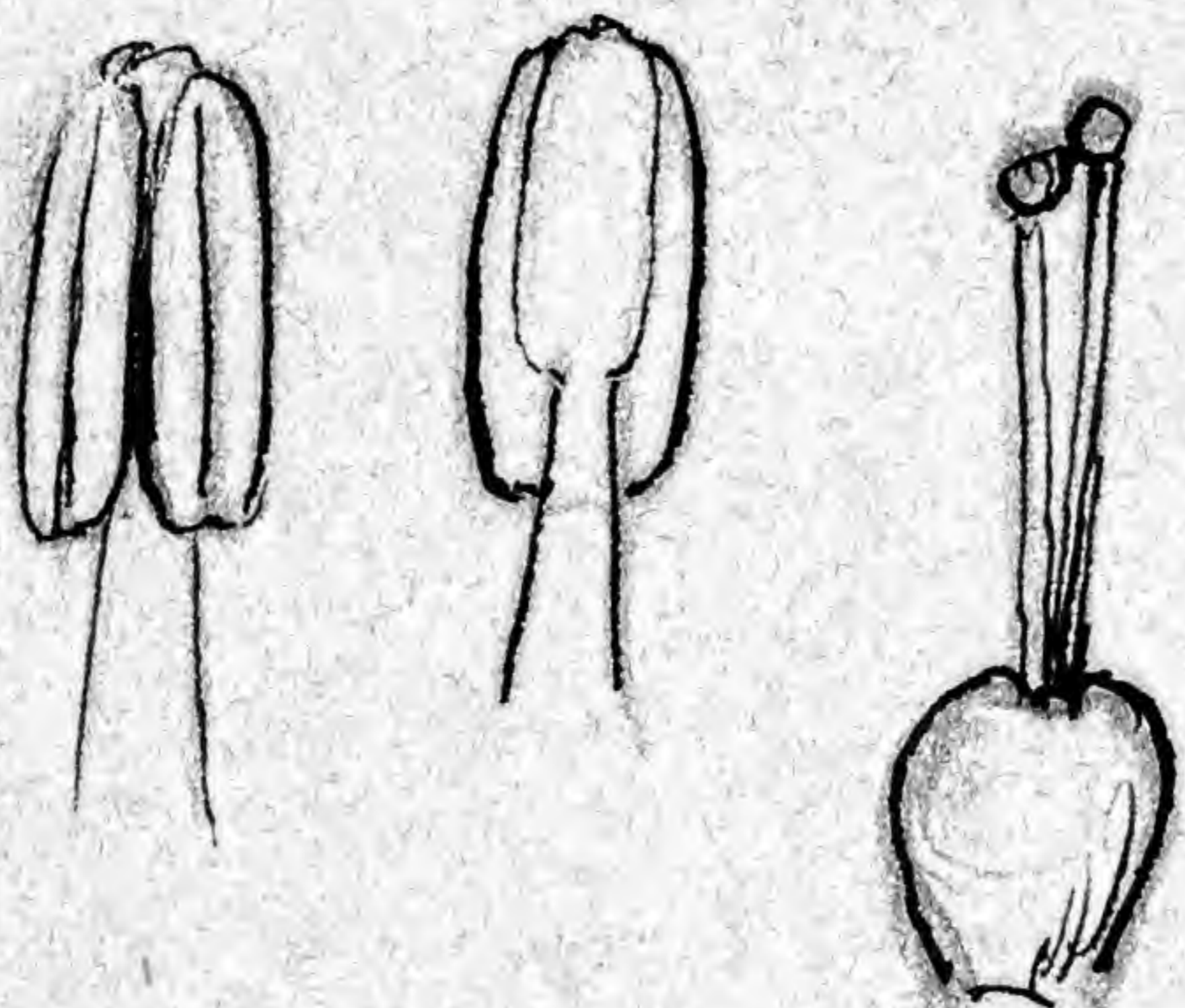
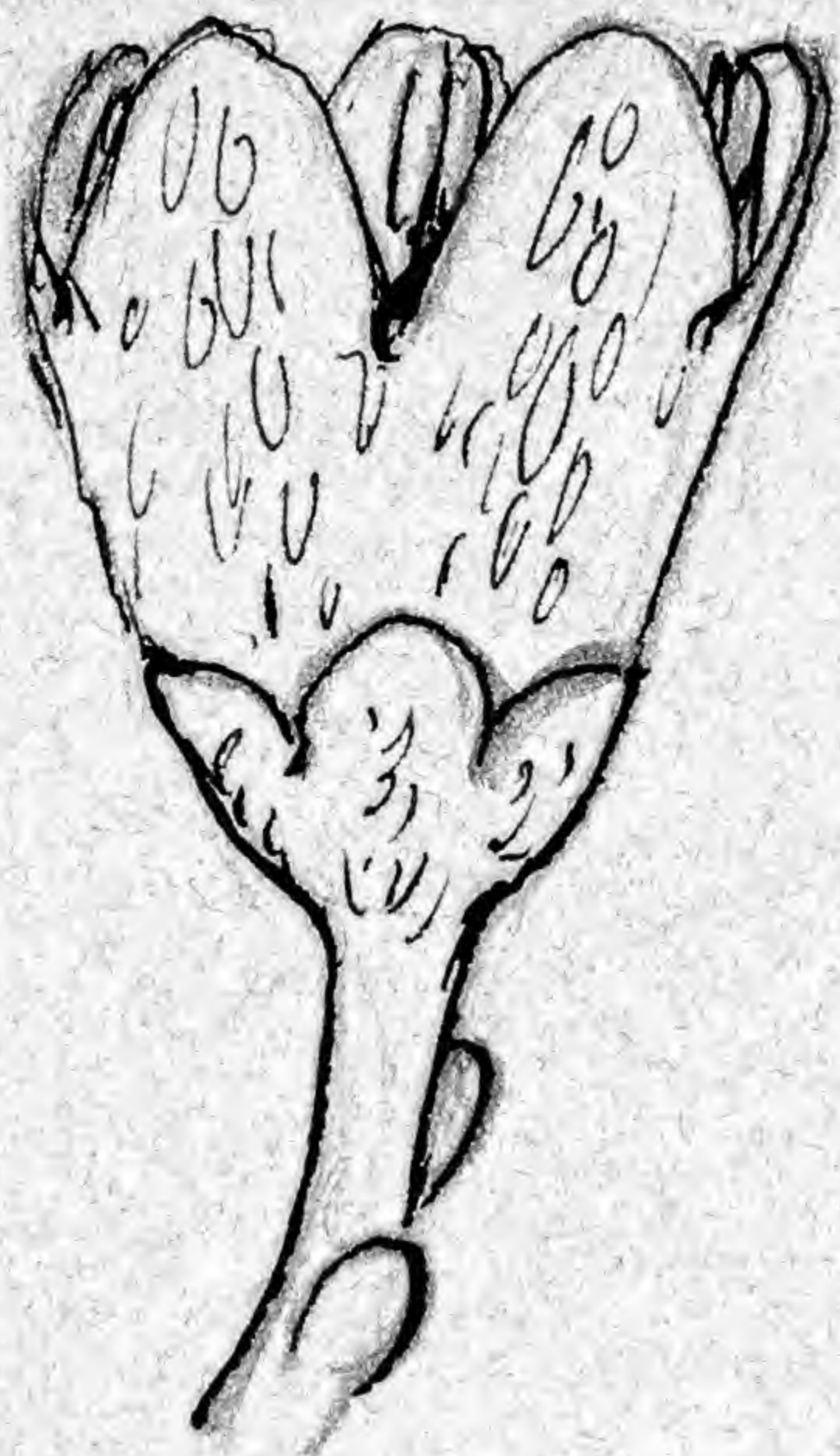
- Echite, No 1292 leg. Martius

caespitosa, pedicellis  
bracteis orbiculato-ovatis  
obtusis;

floribus caeteris subvirescentibus  
glandulosis; calycis parvis  
squamis orbiculatis

corollae tubae campanulatae  
tubo longe exserto laciniis  
sublongioribus erectis ovatis  
obtusis basi imbricatis spatulatis

staminibus brevioribus;  
filis subulatis caeteris ovatis  
aequalibus. Squam. maximis fere  
sublongioribus styli ovario longioribus fere  
aequalibus.



H. M. L. Long

a stout variety, with bractes  
thicker lobes, of *C. mucronosa*



0 1 2 3 4 5 6 7 8 9 10

cm

copyright reserved



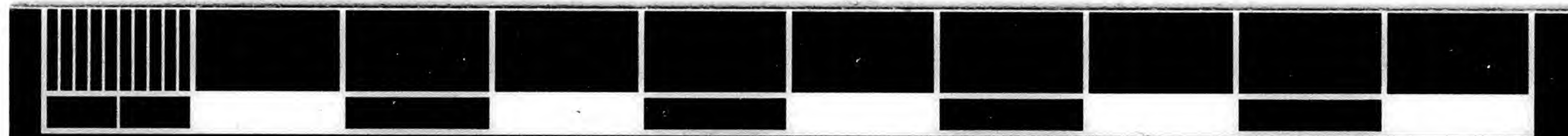
MISSOURI  
BOTANICAL  
GARDEN



4878



MISSOURI BOTANICAL GARDEN  
GEORGE ENGELMANN PAPERS



0 1 2 3 4 5 6 7 8 9 10

cm

copyright reserved



MISSOURI  
BOTANICAL  
GARDEN



52

= 21 241

Berl. : May

" *Cuscuta miniata* Mart

Pohl. 5100.

Fazenda de Matthias, Pernambuco

Herb. Vindob 65.a

not good

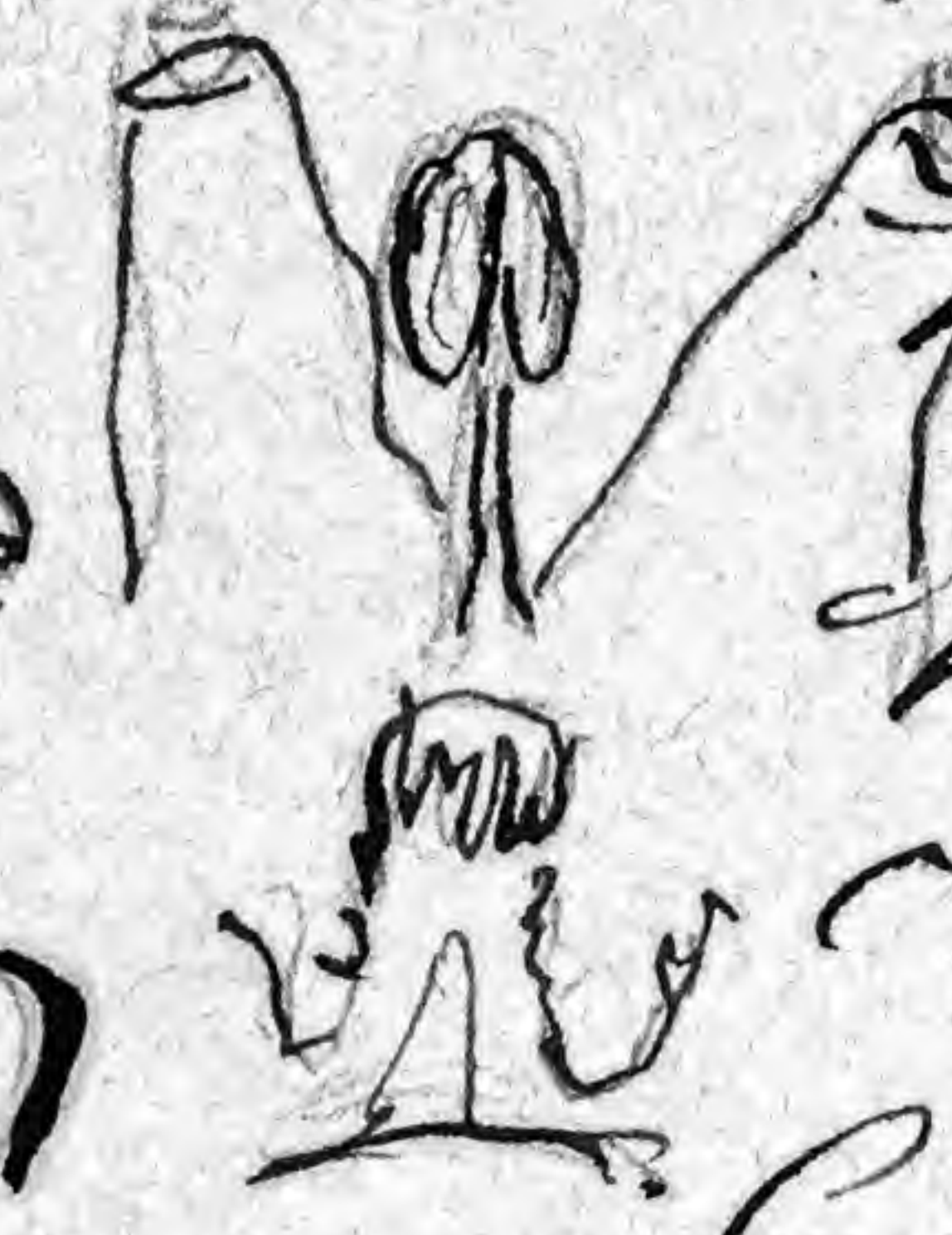
This is entirely the *C. miniata* of Mart.

but the calyx is almost as long as the flower tube and the lobes of the corolla a slightly <sup>as in</sup> *racemosa* -

*C. racemosa* - Calyx glabrous, corolla less so

(The other specimen (65.6. Hb. Vind) is the true *racemosa*)

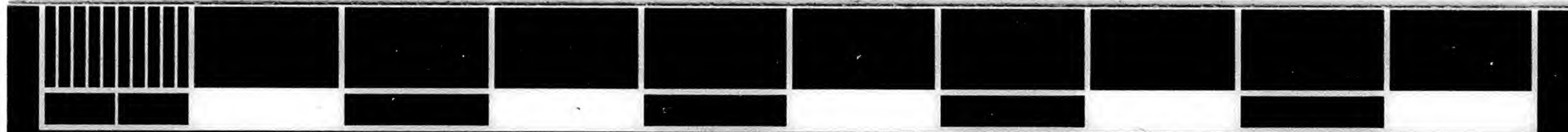
Must be compared again; is doubtful



1/2

1.4

12/12



0 1 2 3 4 5 6 7 8 9 10

cm

copyright reserved



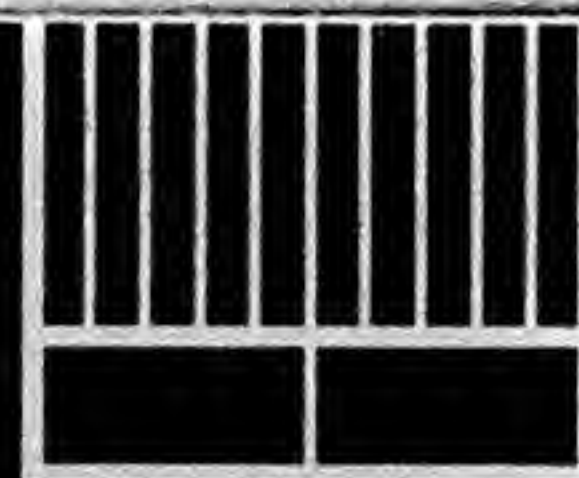
MISSOURI BOTANICAL GARDEN



4879



MISSOURI BOTANICAL GARDEN  
GEORGE ENGELMANN PAPERS



0  
cm

1

2

3

4

5

6

7

8

9

10

copyright reserved



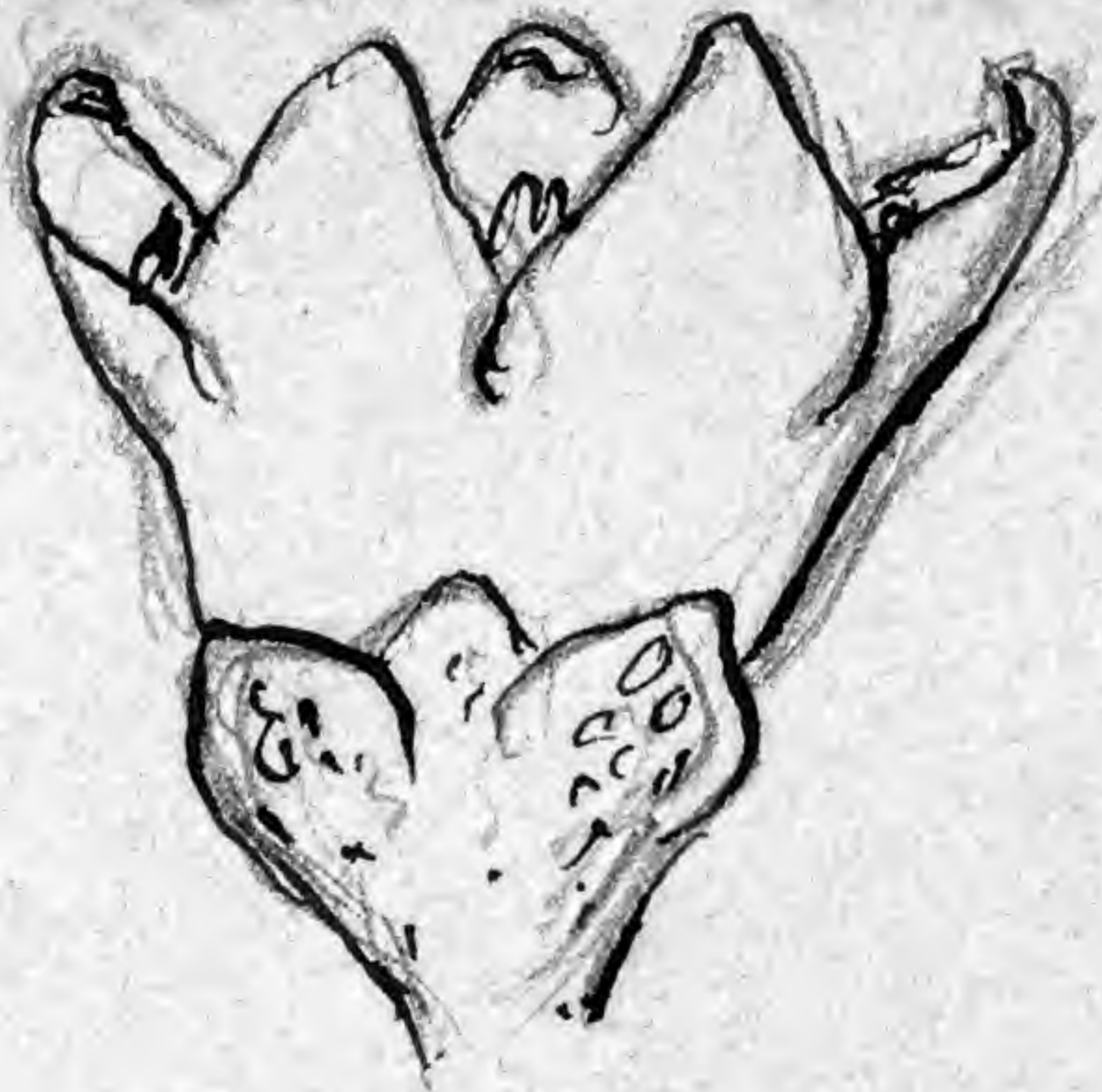
MISSOURI  
BOTANICAL  
GARDEN



338

= 288

12/5/17



*C. macmurtrei* var. *minuta*

Choi!

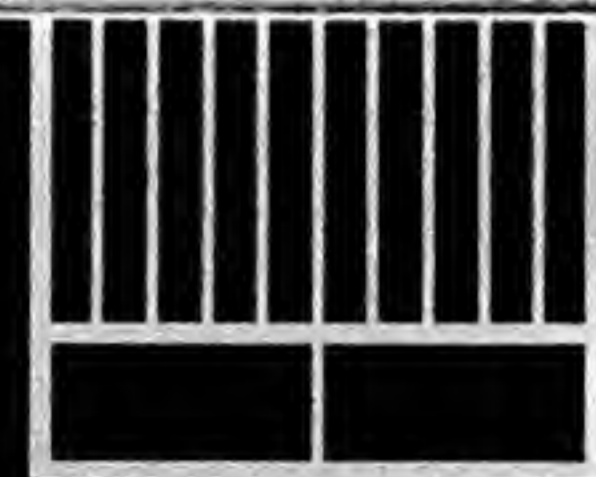
No. Dec. authentic

vanthien N. 252

ex Brazil

of this specimen

This is the only flower seen, which is any way satisfactory and proves that the plant belongs really to *C. macmurtrei*. The only well developed flower! all the others seen on the same specimen and in other herbaria (see fig 288) are too young, not yet open, and show an extremely short tube of corolla! This is the part lost



0 1 2 3 4 5 6 7 8 9 10

cm

copyright reserved



MISSOURI  
BOTANICAL  
GARDEN



Developed & the flower — mistakes therefore  
may occur.



MISSOURI BOTANICAL GARDEN  
GEORGE ENGELMANN PAPERS

4880



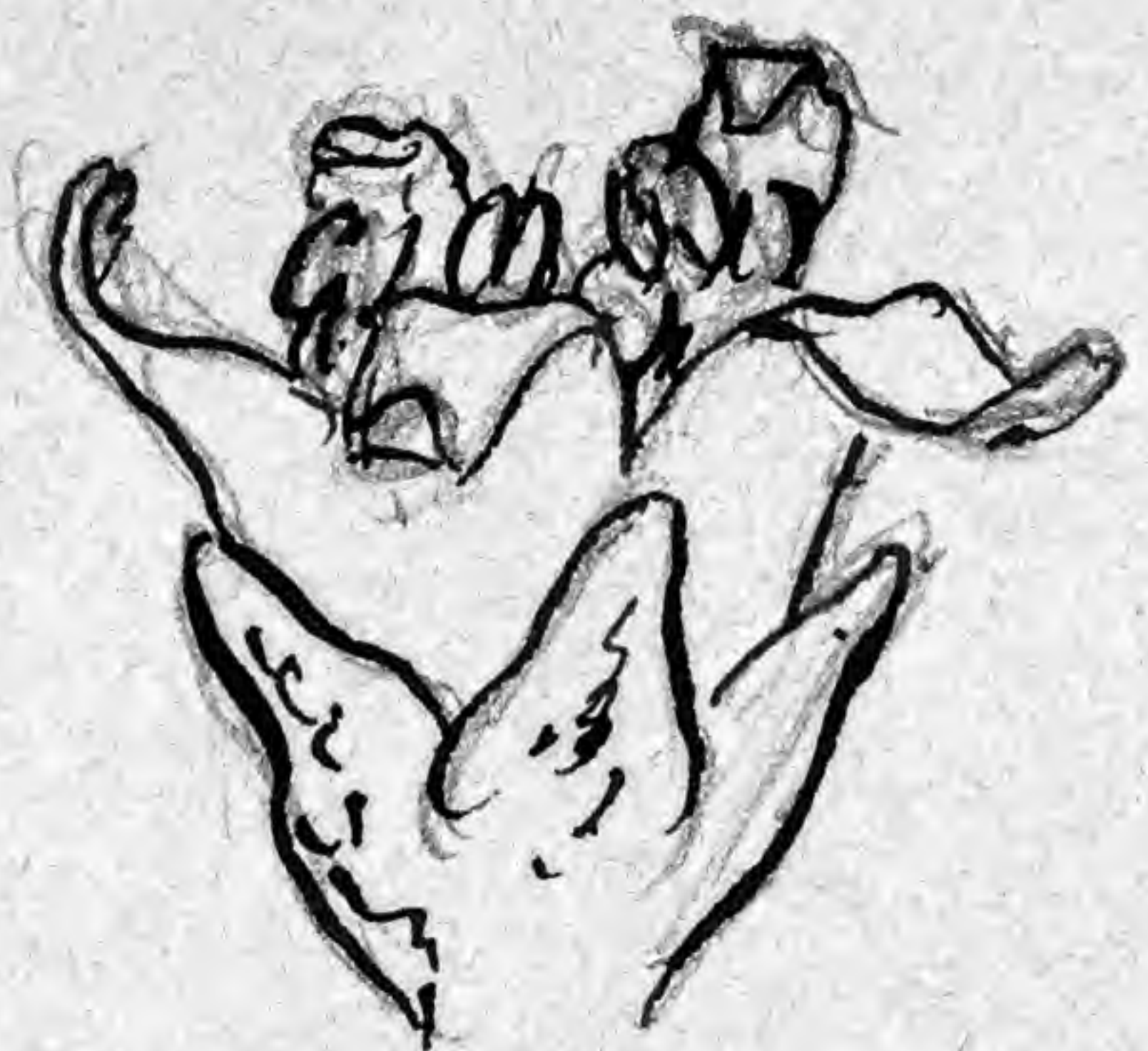
0 1 2 3 4 5 6 7 8 9 10  
cm copyright reserved



MISSOURI  
BOTANICAL  
GARDEN



339



*Cucur. racemosum* var *minuta*  
Choisy!

"*C. miniata*?"

*cucurbitaria* floribus albis

Prov. St Paul, Brazil

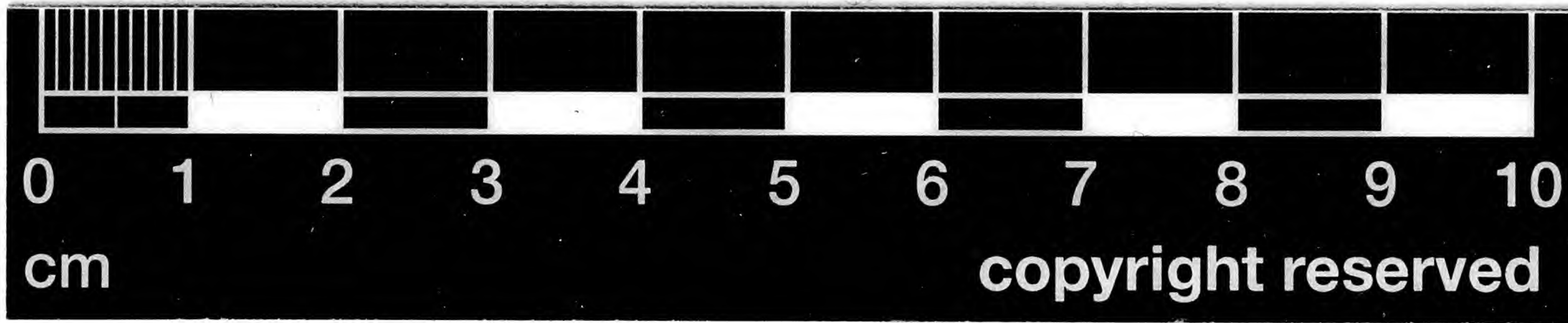
Land N<sup>o</sup> 734

Herbar. Authentic.

exactly the same as fig 52  
(Pohl's plate).

I take it now for a form of  
*C. racemosum* as Choisy does

"*pedicella profundius (ad medium)  
divisa*"



copyright reserved



4881

*[Faint, illegible handwritten text]*



MISSOURI BOTANICAL GARDEN  
GEORGE ENGELMANN PAPERS



0 1 2 3 4 5 6 7 8 9 10  
cm copyright reserved

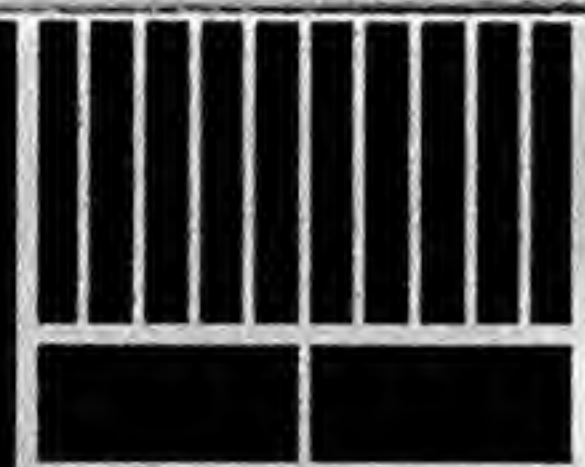


MISSOURI  
BOTANICAL  
GARDEN



flor laxa cyneus - membris  
calycis lobis ovatis obtusis profunde  
divisis, corolla tubum campanulatum  
carnosum vix aequante, laciniis  
obtusis demum reflexis; ~~corolla~~  
~~laciniis~~ <sup>laciniis</sup> majoribus inflexis;  
corolla ~~membrata~~ ad basin  
capitata seu eam circumdante

Basis Riedl 990.



0 1 2 3 4 5 6 7 8 9 10

cm

copyright reserved



MISSOURI  
BOTANICAL  
GARDEN



North America

*Scutella pithyllum*

MISSOURI BOTANICAL GARDEN  
GEORGE ENGELMANN PAPERS

4882



0 1 2 3 4 5 6 7 8 9 10

cm

copyright reserved

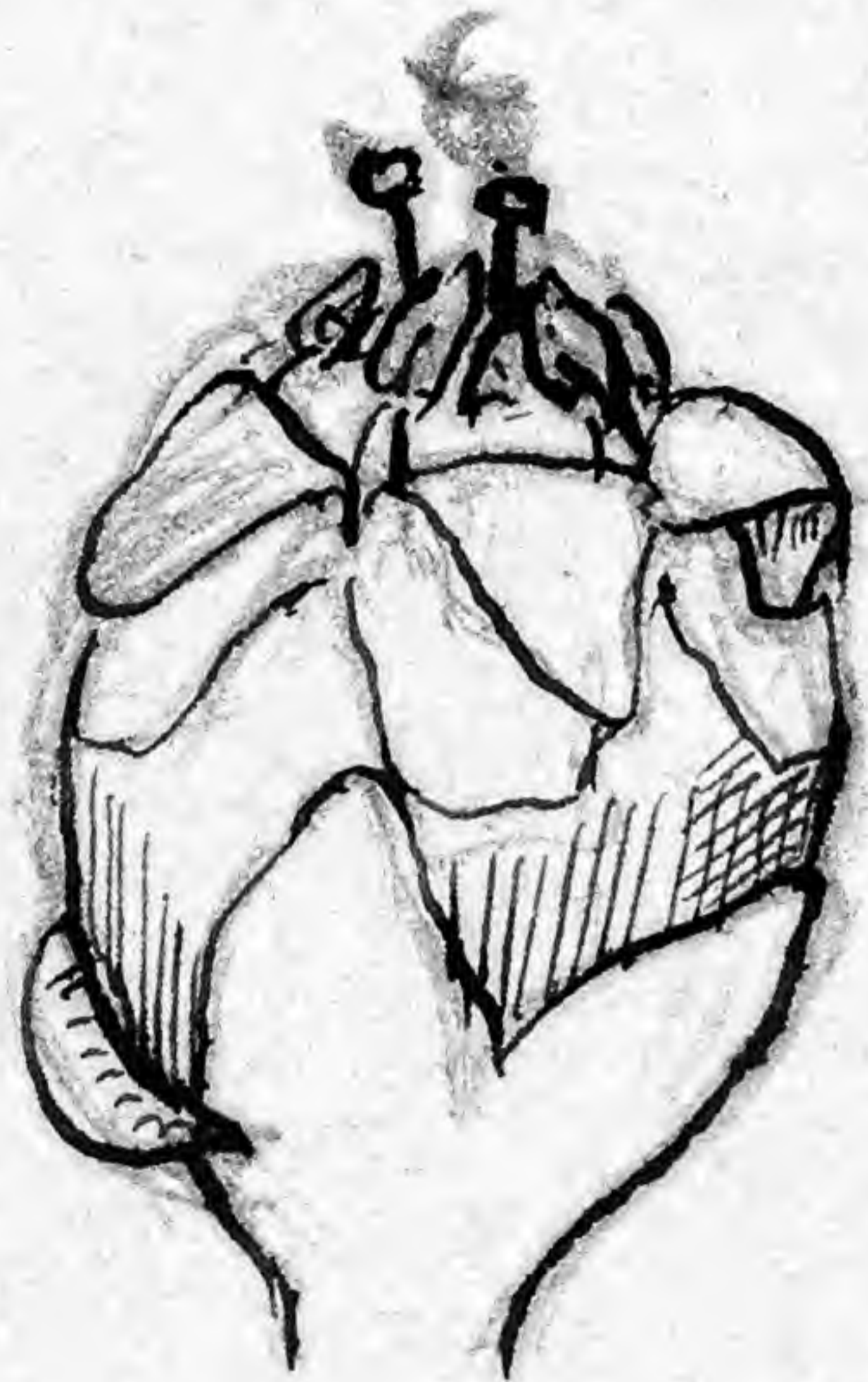
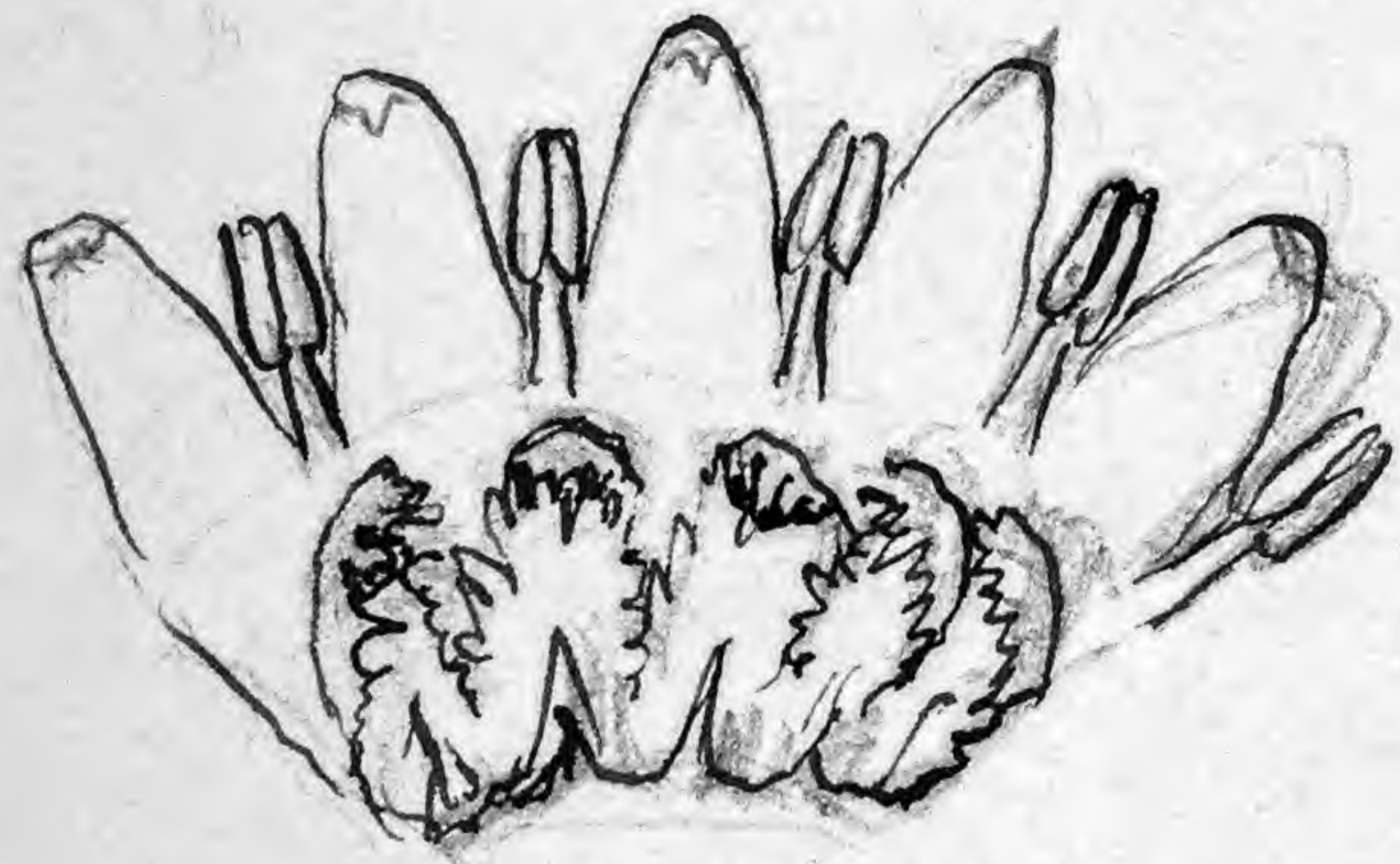


MISSOURI  
BOTANICAL  
GARDEN



Wim 7-58

19.7



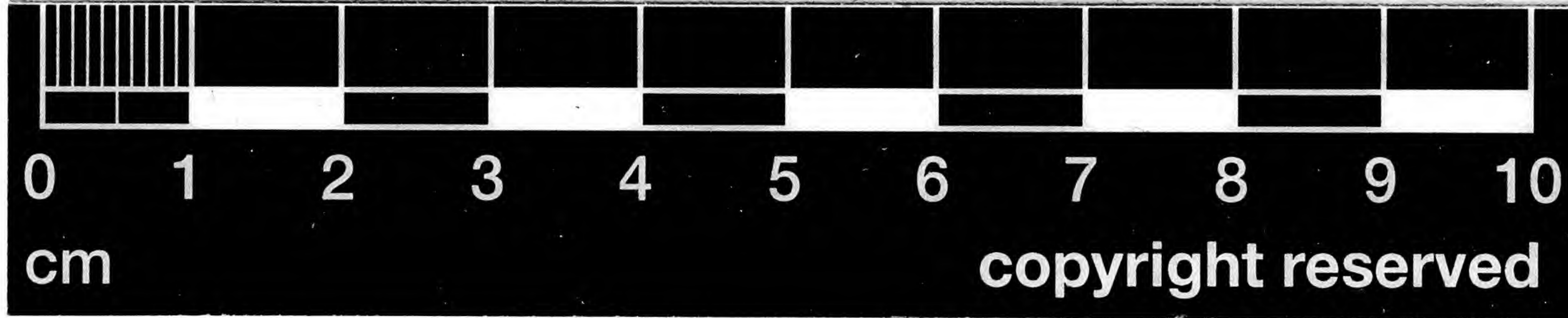
"*Cuscuta floribunda* Kunth"  
"Aut. leg"

Ex herb Sprengel nunc  
H. v. Leonhardt, Gray

most probably a plant of Sellow's and  
= 116

Somewhat like *C. sphaerodroma*  
but flowers more saecumose-  
paniculate. *C. floribunda*  
has larger flowers, obtuse  
lobes of calyx, and above all  
circumscissile capsule, while our  
plant has a baccate capsule.

flor. paniculatis, inflorescentia bracteosa, calycis lobis ovatis obtusis  
imbricatis corollae campanulatae vix e  
calyce exsertae, lacinis oblongis obtusis. Tubae aestivae, demum



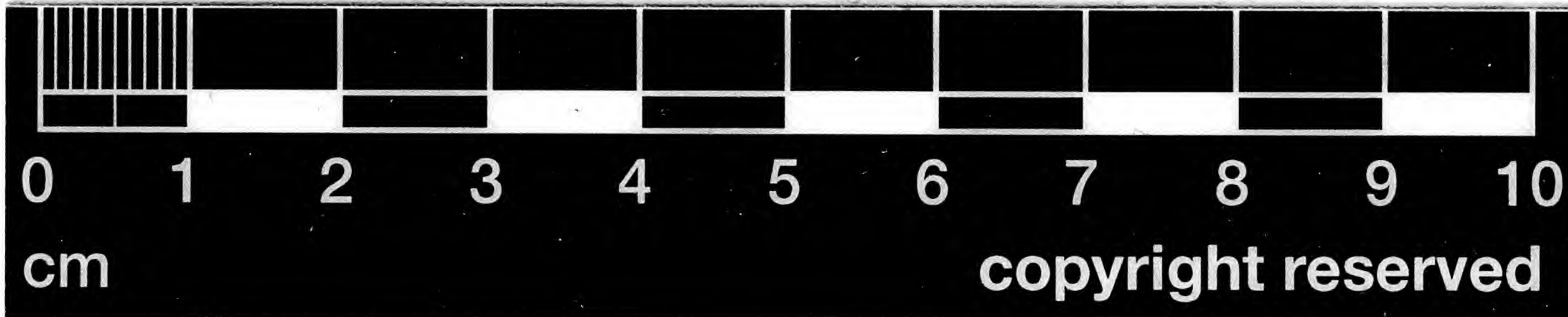
copyright reserved



reflexis; filamentis subulatis luteis, antheris oblongis, linearibus  
argenteis; staminibus corollae brevioribus; squamis majoribus  
incurvis, tubum totum replentibus; ovario <sup>ovario</sup> ~~globoso~~ <sup>uniovulato</sup>  
stylis (subulatis) ~~exsertis~~ longioribus fere exsertis  
corolla ~~incurvante~~ capsula baccatae circumscissae  
tegente.



4883



MISSOURI  
BOTANICAL  
GARDEN

copyright reserved





*Cuscuta graveoleus* Kunth  
 (in Herb Sprengel)  
 a Monte video

cul. lobis oblongatis obtusis valde  
 inaequalibus imbricatis  
 laciniis obtusis reflexis  
 capsula glandulosa nuda & exserta <sup>seis</sup>

*Cuscuta graveoleus* Kunth

*Cuscuta graveoleus* Kunth



0 1 2 3 4 5 6 7 8 9 10

cm

copyright reserved



MISSOURI  
 BOTANICAL  
 GARDEN



56 C. microstyla n. sp.

Volcans de Antuco, Chili

Reynolds ~~Hook~~ Hb. Hook

MISSOURI BOTANICAL GARDEN  
GEORGE ENGELMANN PAPERS

4884



0 1 2 3 4 5 6 7 8 9 10

cm

copyright reserved



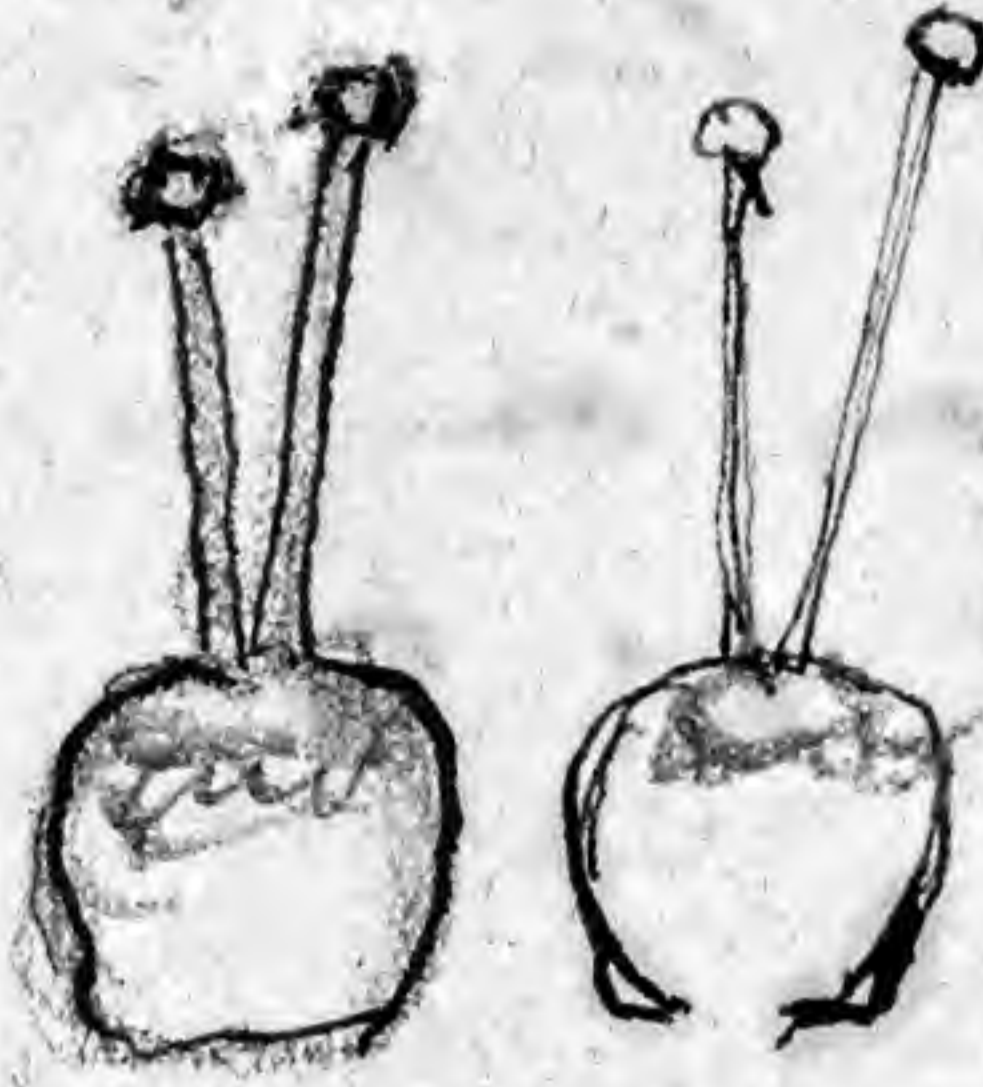
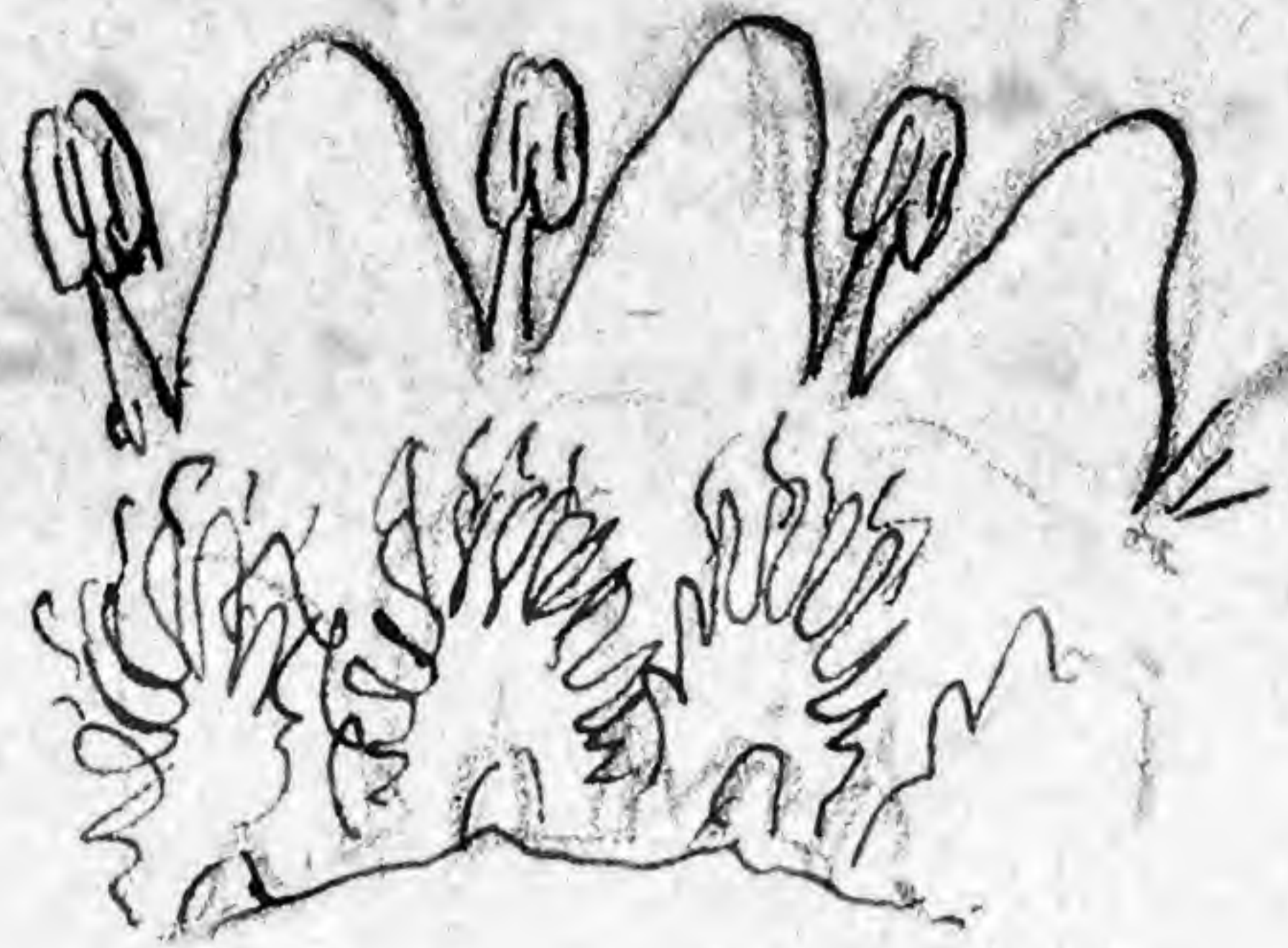
MISSOURI  
BOTANICAL  
GARDEN



May belong to *Alseodora* *kompania* (L.)

form of *rupestris*

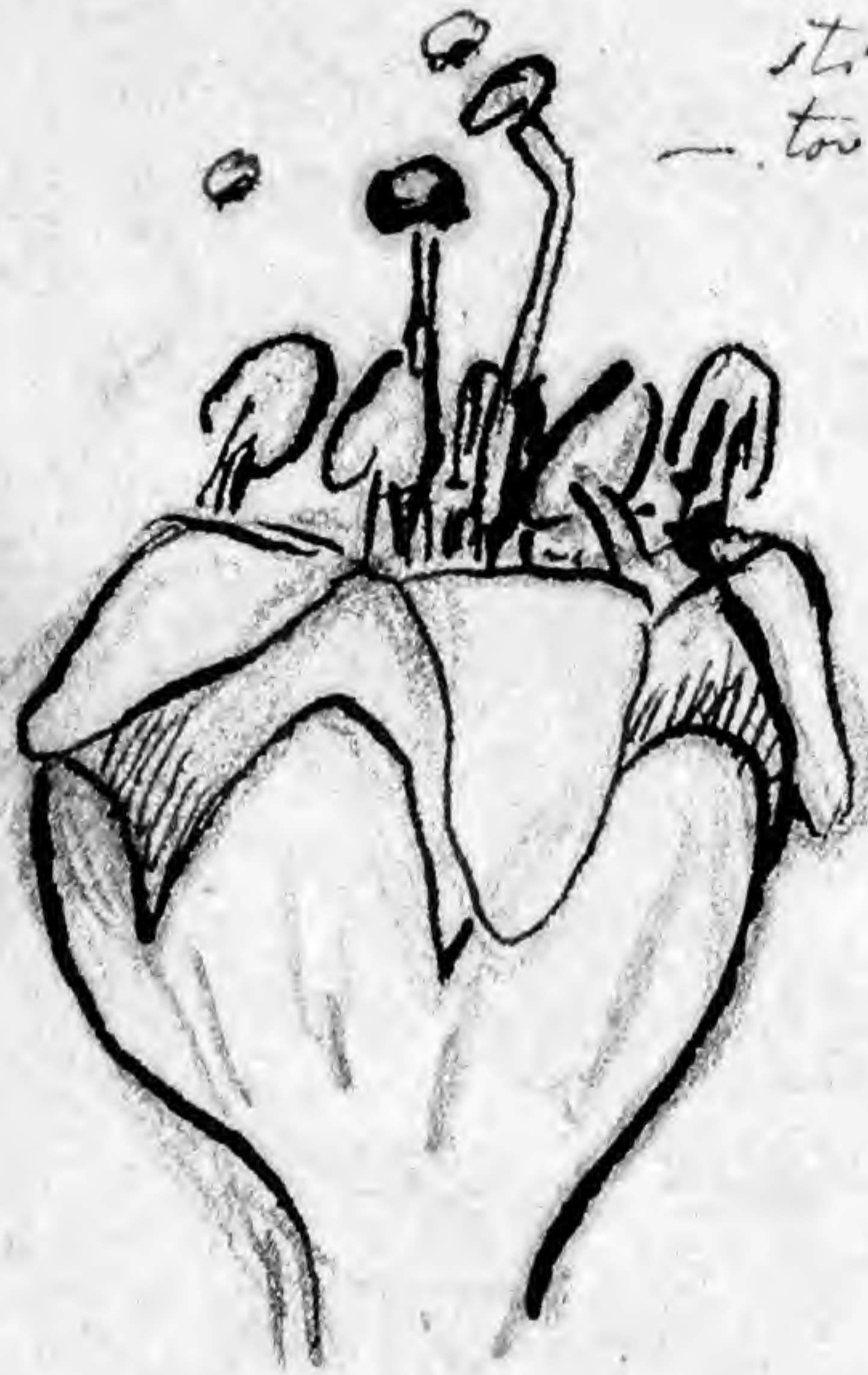
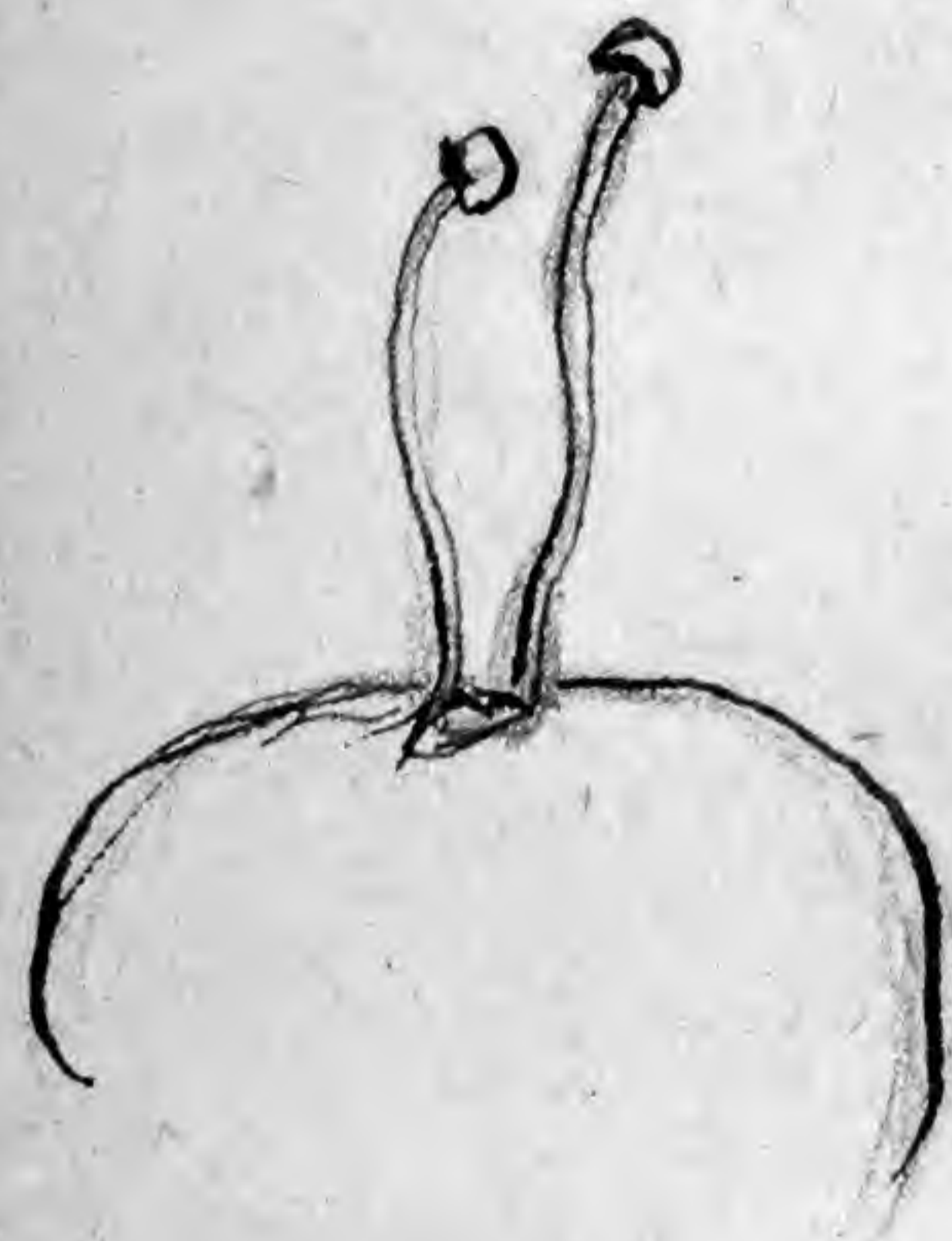
*Cucurbita*. *Durbinia*



better

*Basilis*, *Sellow*

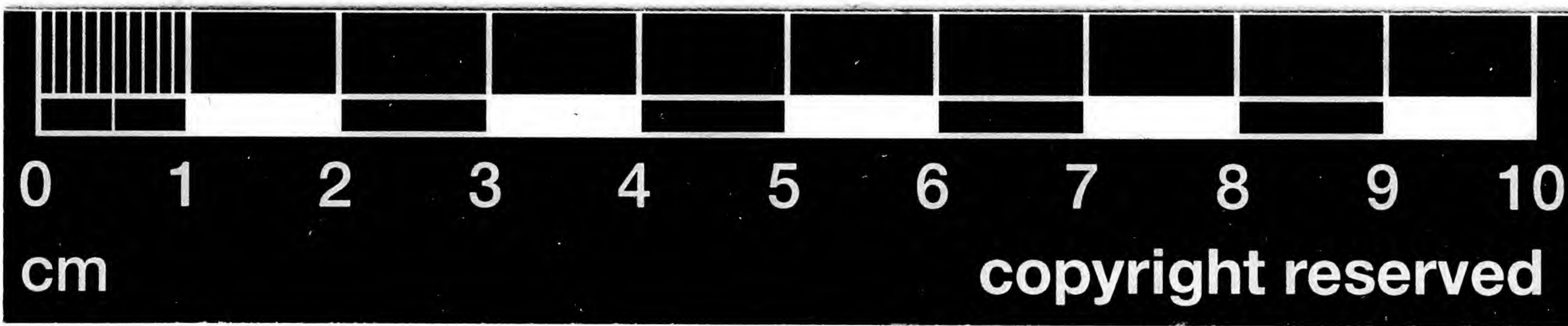
Herb reg Berol.



stigma with  
too large

half rip capsule

Caule sub papillares; ~~proferis~~ <sup>paucis</sup> umbellulatis; pedunculis flore subbrevibus  
 calycis <sup>tenuis</sup> campanulati lobis ovatis obtusis  
 tubo corollae <sup>(subaequalibus)</sup> campanulato  
 laciniis patulis, demum reflexis, ovatis obtusis  
 tubo vix brevioribus; antheris staminibus  
 laciniis paulo brevioribus, antheris oblongis  
 filamentis subulatis <sup>subaequalibus</sup>; squamis  
 ovatis crispato fimbriatis, basi adnatis  
 tubum <sup>aequalibus</sup> ~~subaequalibus~~; stylis <sup>tenuibus</sup> ~~ovatis~~ subglobosis  
 pediculis longioribus, vix exsertis; <sup>stigma parvis</sup> capsulis  
 globosis persistens, apertis corollae calycis  
 induratis



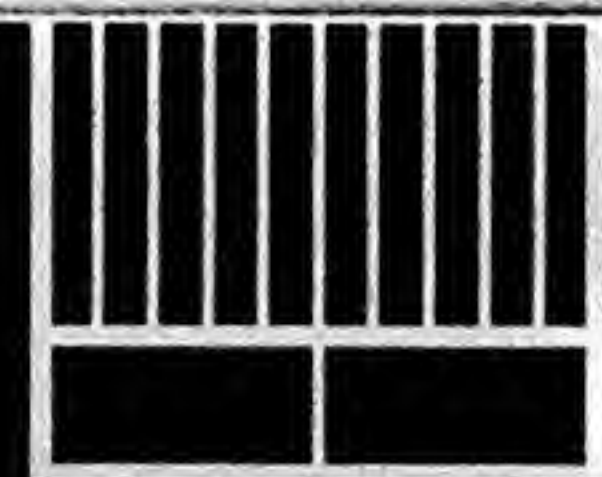


Could this be the mother plant of *C. bonariensis*? but  
it has larger flowers, longer exsert, <sup>the</sup> & imbricate calyx  
A doubtful plant on one side approaching to *Gronovii*, on the  
other to *ravemosa*, but distinct evidently from both by the depressed capsule  
& small stigmata.

MISSOURI BOTANICAL GARDEN  
GEORGE ENGELMANN PAPERS



4885



0 1 2 3 4 5 6 7 8 9 10

cm

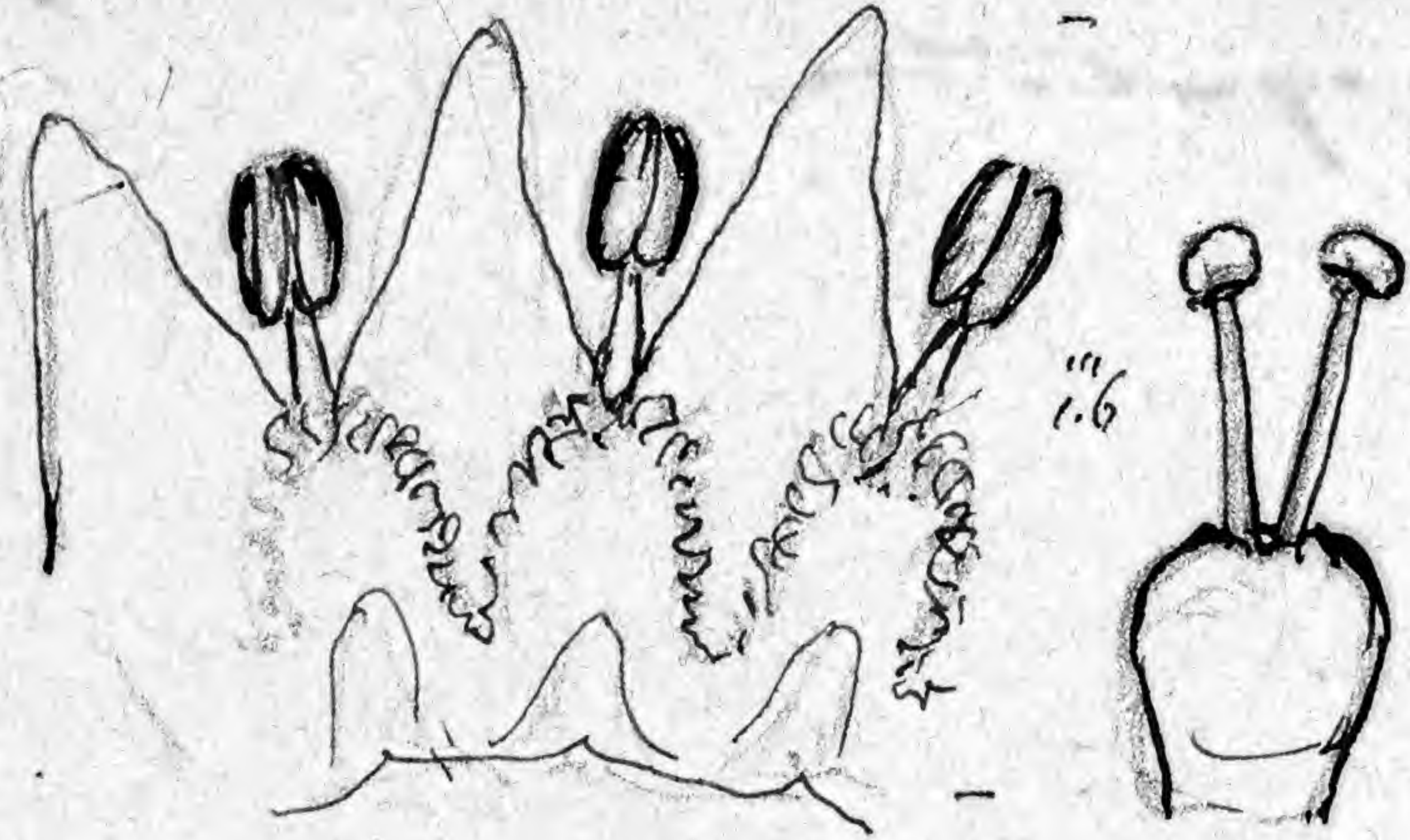
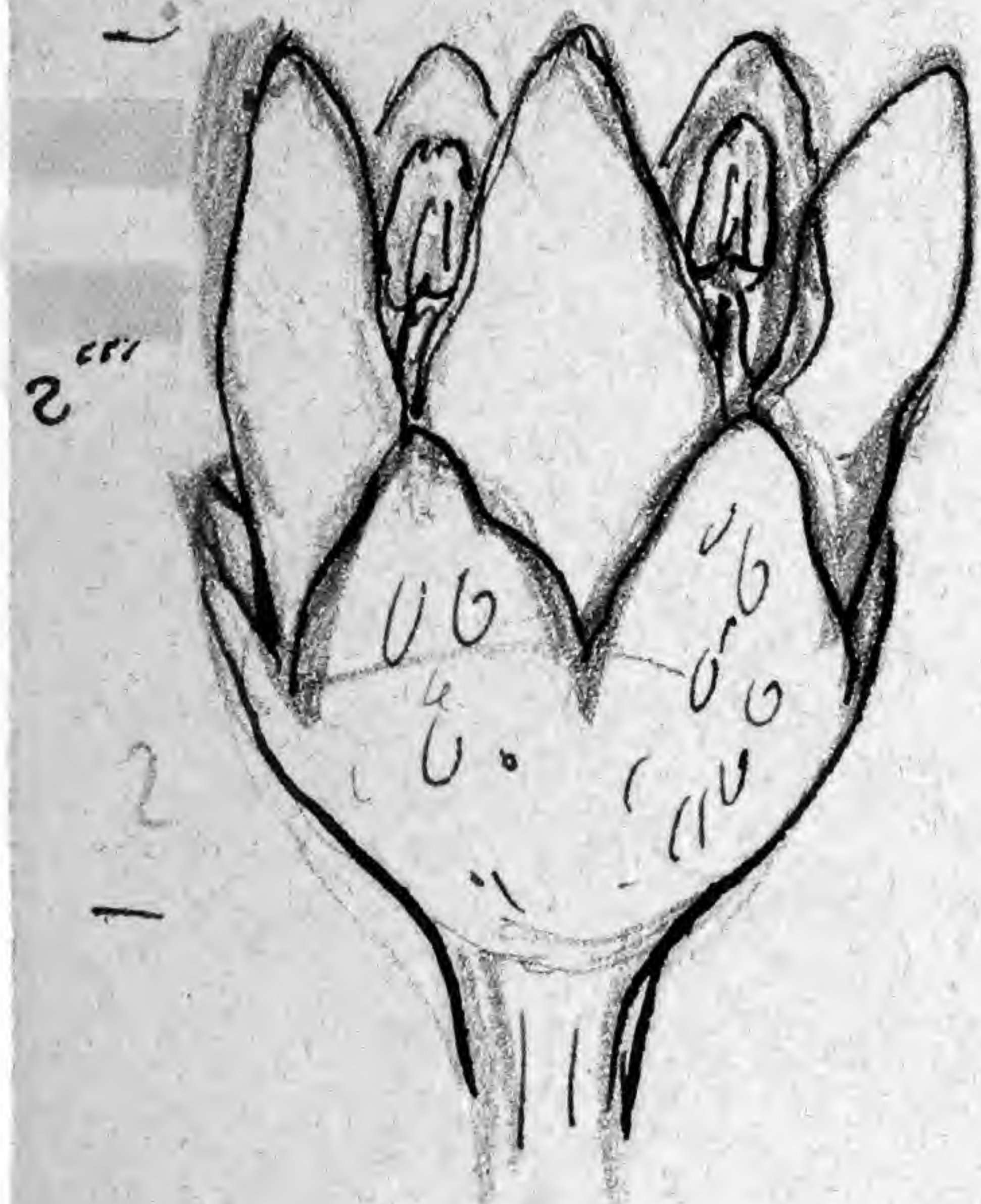
copyright reserved



MISSOURI  
BOTANICAL  
GARDEN



218.



*Cuscuta araucana*

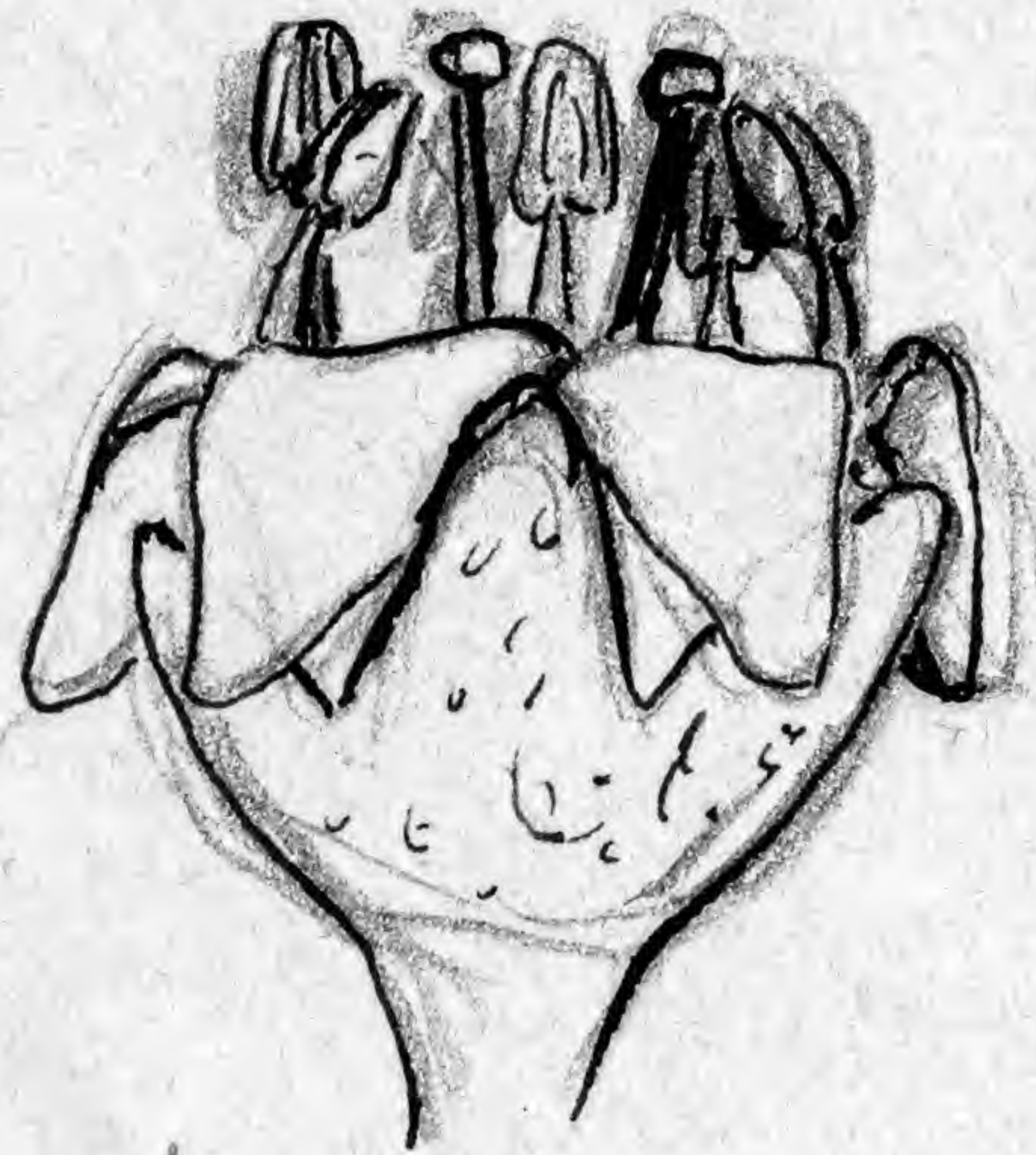
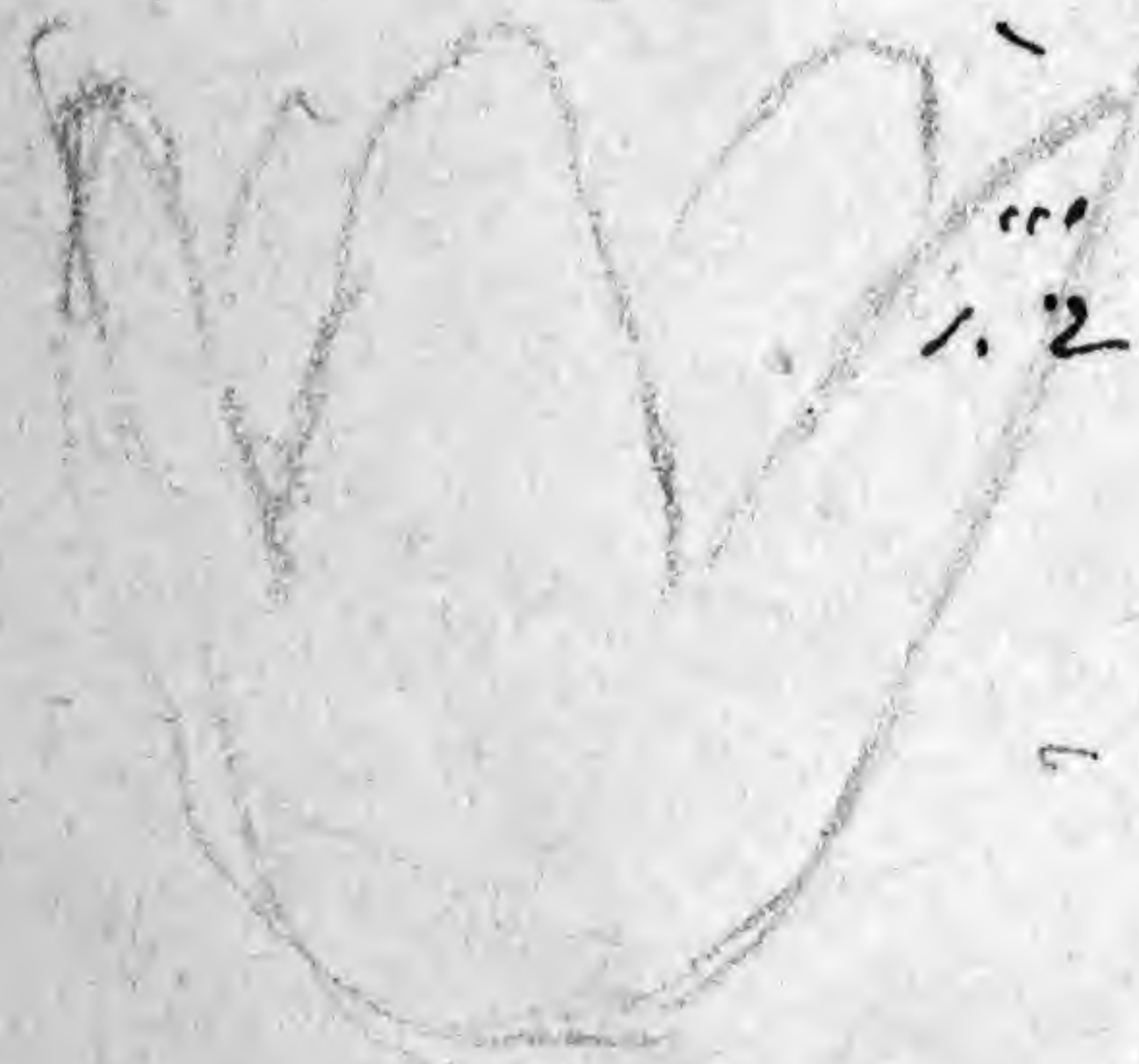
Valdivia Chile

100 geogr. miles south of Valparaiso

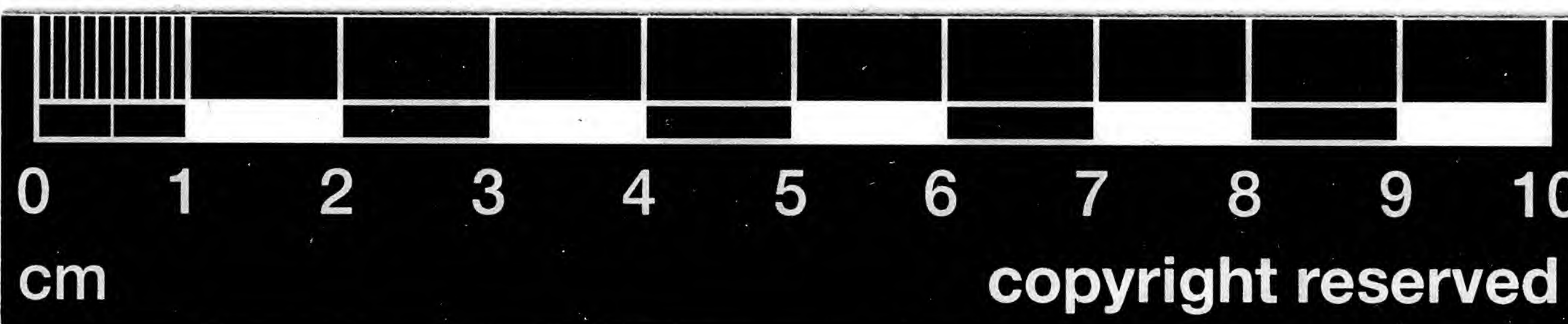
Lechler

Araucania

(in herb. Berlin?)



caulis filiformis, floribus pedicellatis  
 in cymis vel glomeris laxis  
 congestis; calycis glandulosis ad  
 medi-partite lobis ovatis obtusis  
 non imbricatis, tubo corollae  
 longioribus; corollae late campanatae  
 ultra medium fissae lacini  
 ovato-lanceolatis <sup>obtusis</sup> ~~acutis~~ <sup>marginibus</sup> ~~marginibus~~ petalis  
 demum reflexis; stam. brevibus, antheris  
 marginis ovatis filamentis subulatis ~~subaequalibus~~  
 squamis marginis ovatis marginis dense brevibus



MISSOURI  
BOTANICAL  
GARDEN

copyright reserved



crispato fimbriatis, lacinae exceduntibus; stylis ovum  
obovatis apice cordatis subaequalibus

To this *Prunella*



MISSOURI BOTANICAL GARDEN  
GEORGE ENGELMANN PAPERS

4886



0 1 2 3 4 5 6 7 8 9 10  
cm copyright reserved

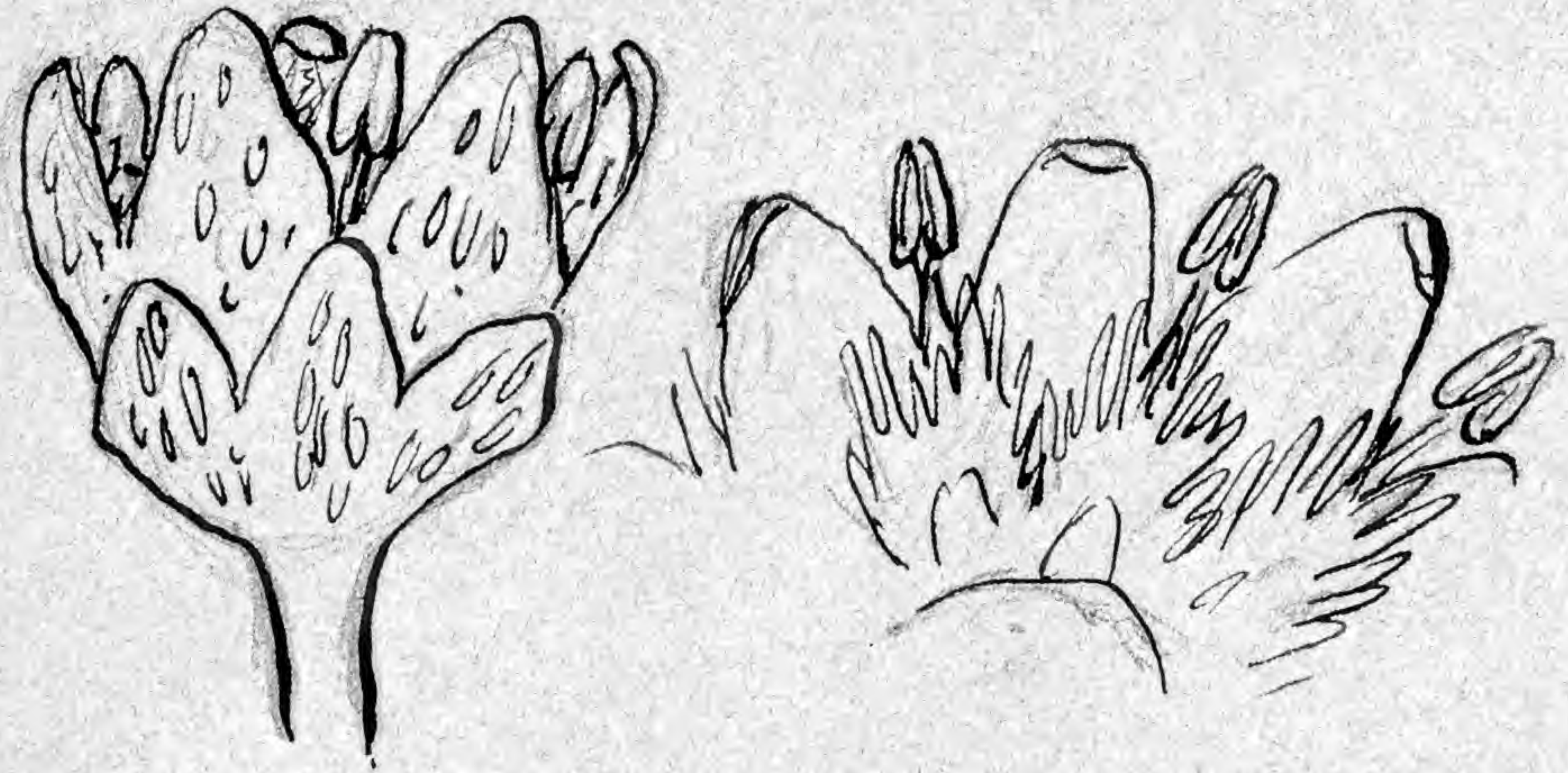


MISSOURI  
BOTANICAL  
GARDEN



327

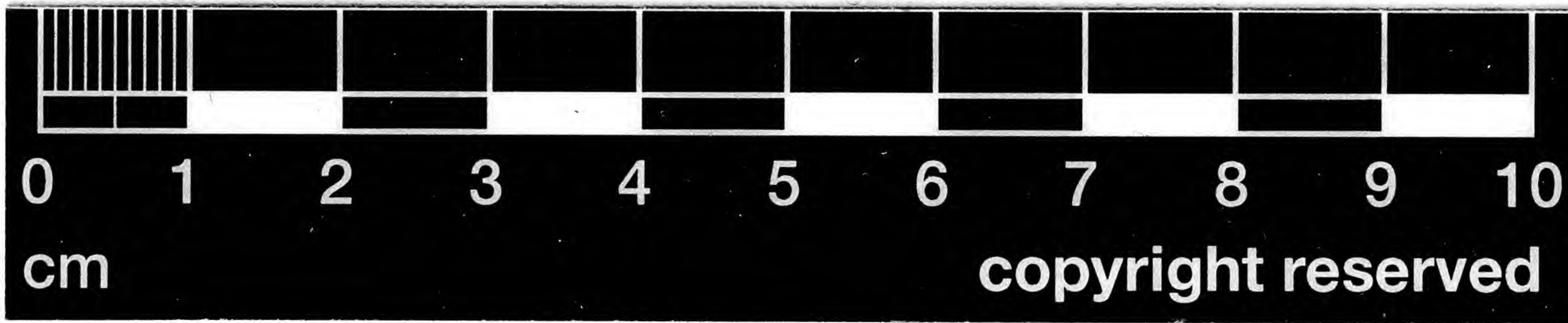
5/12 57



Lachler M. Chil N 479  
 Valdivia  
 (ex hb Boissier)



glomerulati, laxi pauciflori  
<sup>pedicellati</sup>  
 flores late campanulati, aperti,  
 calycis glandulosis lobis obtusis  
 tubo corollae subaequalibus  
 laciniis corollae erectis — patulis  
 ovatis obtusiusculis apice incurvatis  
 lacinato-glandulosis; antheris oblongo linearibus filamento  
<sup>sub</sup>  
 subulatis aequalibus; squamis maximis  
 subaequalibus; stylis inclusis brevibus  
 ovario — pyriforme aequalibus.



copyright reserved



4887

*[Faint handwritten notes, possibly bleed-through from the reverse side of the page]*



MISSOURI BOTANICAL GARDEN  
GEORGE ENGELMANN PAPERS

*[Large block of very faint, illegible handwritten text, likely bleed-through from the reverse side of the page]*



0 1 2 3 4 5 6 7 8 9 10

cm

copyright reserved



MISSOURI  
BOTANICAL  
GARDEN

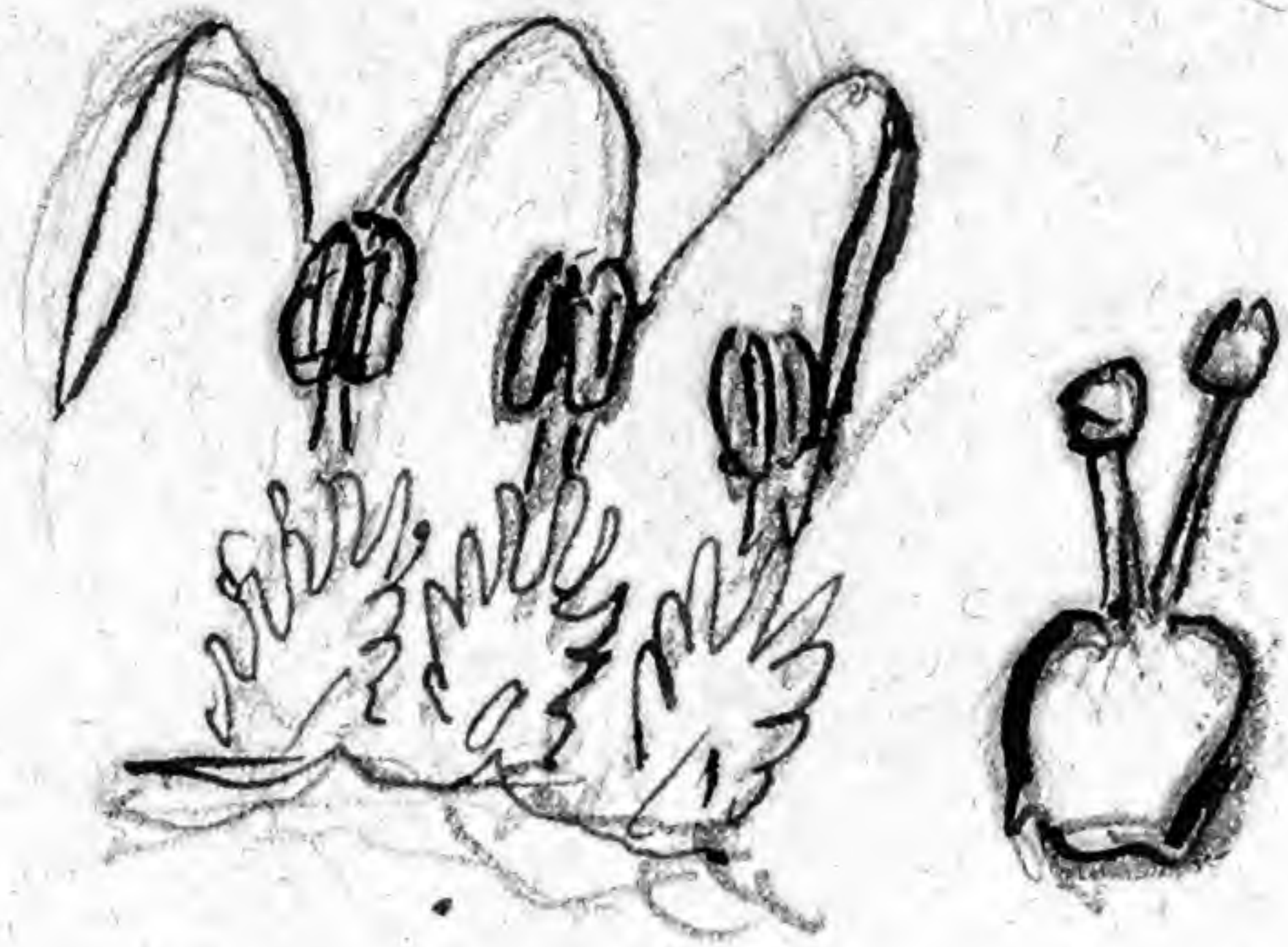


*Panicum H. majoris*

Savi July 1857

no

173



Cuscuta

Vanthier No 252

Tejuco, Minas Geraes  
Brazil

Hb. Sclerit & Hb. J. Gay

flowers not yet quite open; about  
1/2 - 1/3 l. long; lobes of corolla  
almost twice as long as tube;  
anthers short, styles rather short,  
ovules large — Proportions perhaps

different in the fully open flower. — It resembles very  
much *C. paniculata*, but flowers much larger, approaching  
to *C. racemosa*. Must be reexamined —  
Color of calyx orbicular, of corolla obly linear — both imbricate



0 1 2 3 4 5 6 7 8 9 10

cm

copyright reserved



MISSOURI  
BOTANICAL  
GARDEN



4888



MISSOURI BOTANICAL GARDEN



0 1 2 3 4 5 6 7 8 9 10

cm

copyright reserved



MISSOURI  
BOTANICAL  
GARDEN



30.

13

*Longiflora*

a. *grandiflora*

= *Apay*

*patens*

*incolosa*

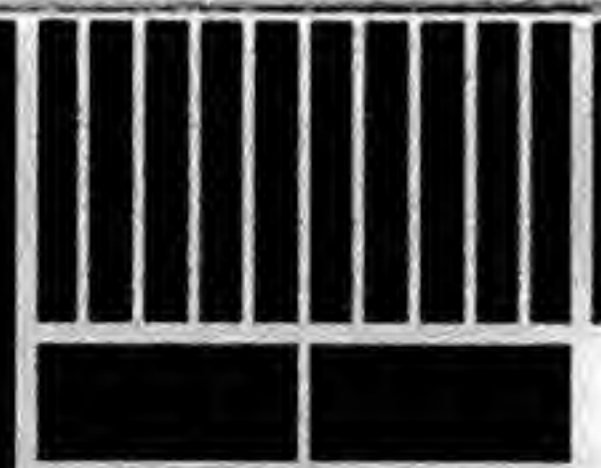
*longiflora*

b. *strobilifera*

*stylosa*

c. *peruviana* 4-partit  
*pauperula*  
*longiflora*

(Enclosed 45-7-762)



0 1 2 3 4 5 6 7 8 9 10

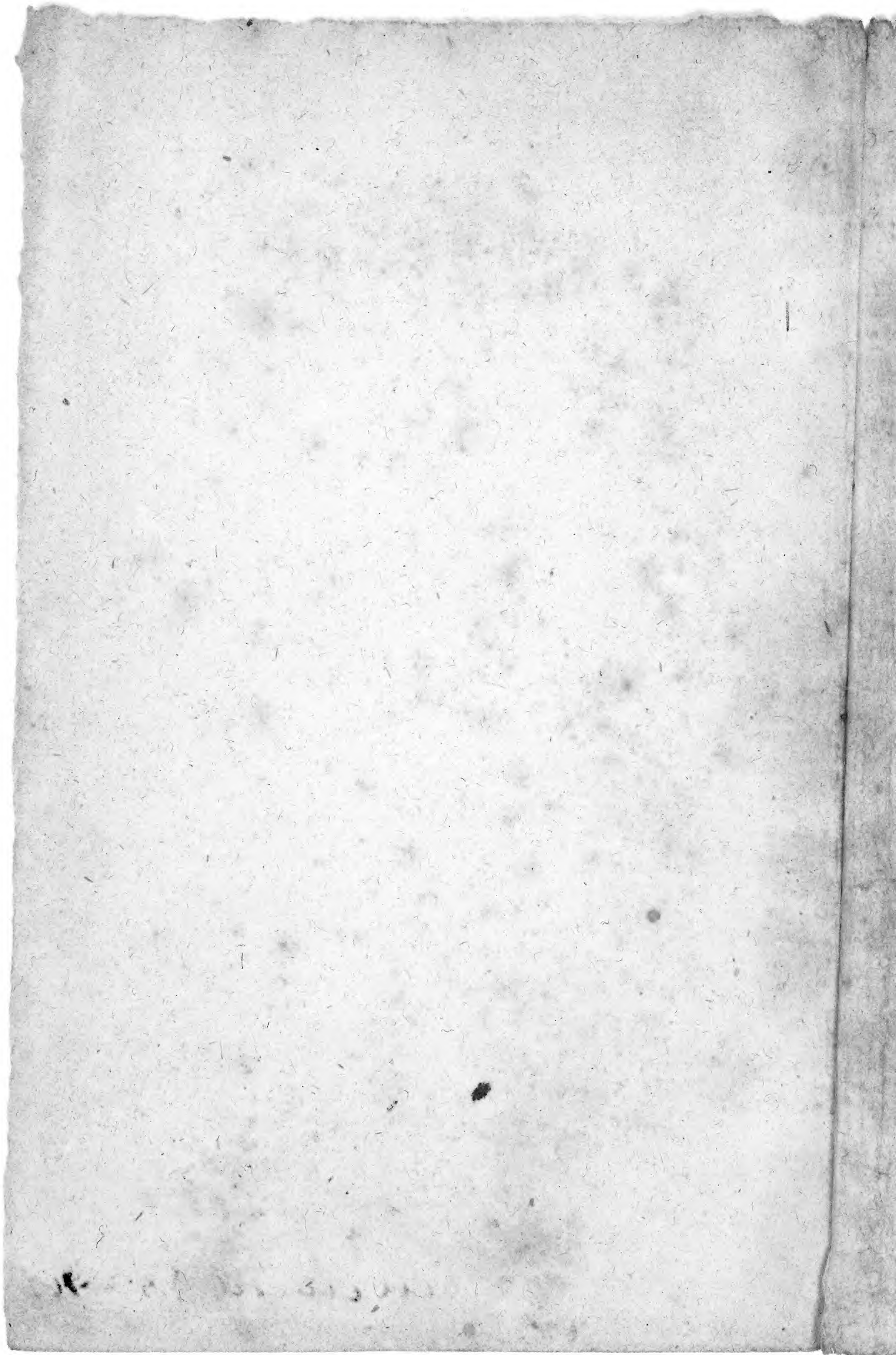
cm

copyright reserved



MISSOURI  
BOTANICAL  
GARDEN





0 1 2 3 4 5 6 7 8 9 10

cm

copyright reserved



MISSOURI  
BOTANICAL  
GARDEN



~~Cyathocalyx~~  
~~Hyalocalyx~~  
Cyathocalyx

cal. cupulato tenui  
stylis capillariis

Amundum 23. 57. 58. 71. 206. 237

corpulosa 7

stylorum 29. 30

Popayanensis 4. 5 238

involucrum 55 / 53 53.6.

patens

stylorum } belong  
Popayanensis } together  
patens }



0 1 2 3 4 5 6 7 8 9 10

cm

copyright reserved



MISSOURI  
BOTANICAL  
GARDEN

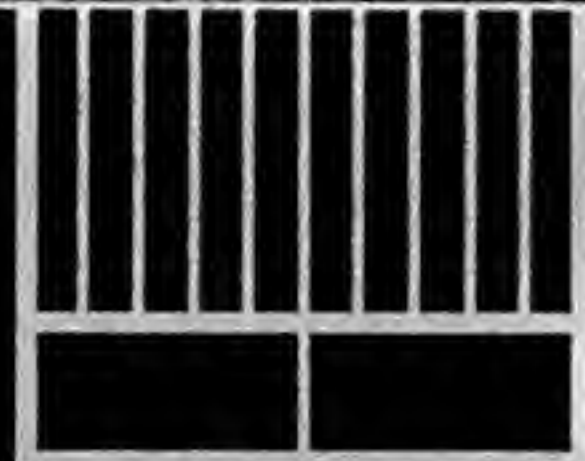


*racemosa*

var. *miniata*

MISSOURI BOTANICAL GARDEN  
GEORGE ENGELMANN PAPERS

4889



0 1 2 3 4 5 6 7 8 9 10

cm

copyright reserved



MISSOURI  
BOTANICAL  
GARDEN



Cust p. 505

*C. racemosa*

var ~~*longiflora*~~ *calycina*

82. Pohl 5100 in part - Hb Vindob

839. Lind 794 - Hb Berol.

or is it *parviflora* major?

It is at all events an inter-  
mediate form between the two  
on account of more corolla fls  
lanceolate approx. more to  
*C. racemosa*

the younger authors approach  
it to *parviflora*

(Enclosed 463-468)



0 1 2 3 4 5 6 7 8 9 10

cm

copyright reserved

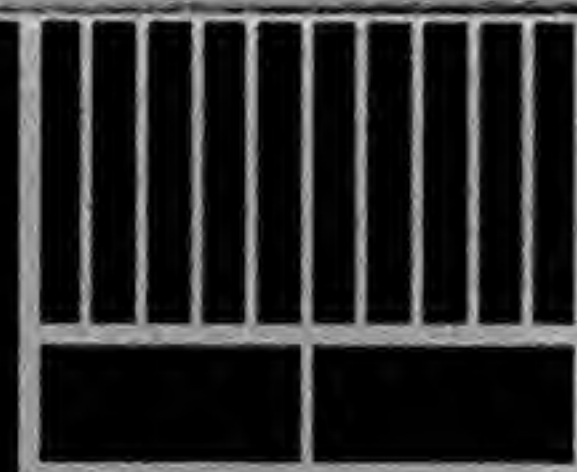


MISSOURI  
BOTANICAL  
GARDEN



4890

MISSOURI BOTANICAL GARDEN  
GEORGE ENGELMANN PAPERS



0 1 2 3 4 5 6 7 8 9 10

cm

copyright reserved



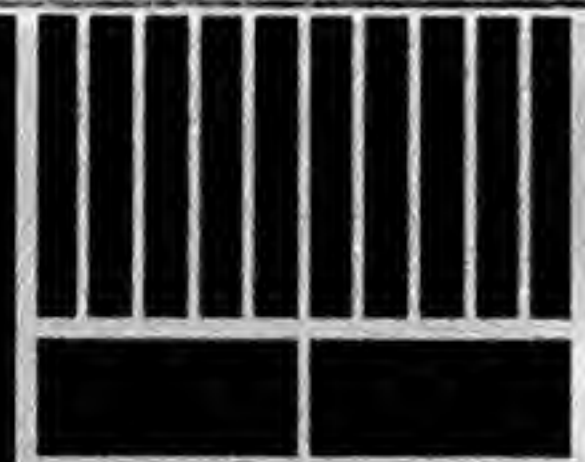
MISSOURI  
BOTANICAL  
GARDEN



C. grammosa

var. *♀* rubra

Enclosed 469-472



0 1 2 3 4 5 6 7 8 9 10

cm

copyright reserved



MISSOURI  
BOTANICAL  
GARDEN



200-335

~~Grandiflora~~

~~3<sup>a</sup> obtusum?~~

Grandiflora 2.3.230.



0 1 2 3 4 5 6 7 8 9 10

cm

copyright reserved



MISSOURI  
BOTANICAL  
GARDEN



racemosa Citrifolia Lhl.

var. nuda - var. ~~racemosa~~  
racemulosa

~~racemosa~~

var. c

racemulosa?

Why is this not

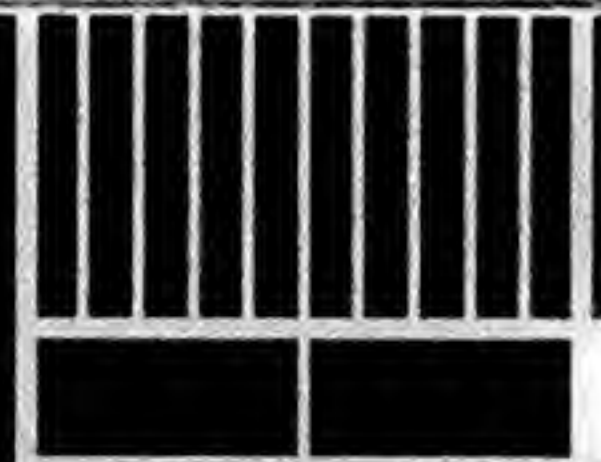
racemosa

racemosa

var. ?

gymnocarpa fruit!

racemosa



0 1 2 3 4 5 6 7 8 9 10

cm

copyright reserved

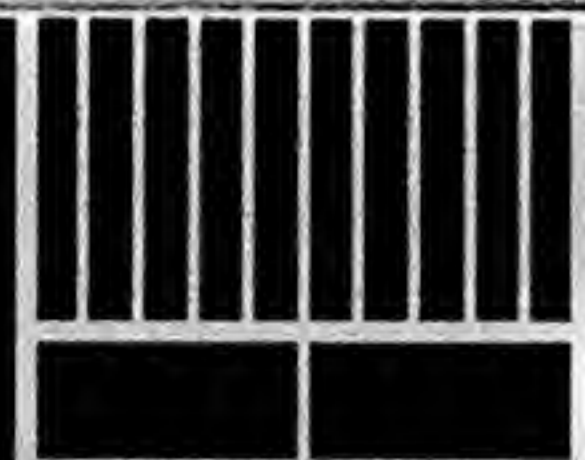


MISSOURI  
BOTANICAL  
GARDEN



4891

MISSOURI BOTANICAL GARDEN  
GEORGE ENGELMANN PAPERS



0 1 2 3 4 5 6 7 8 9 10

cm

copyright reserved



MISSOURI  
BOTANICAL  
GARDEN