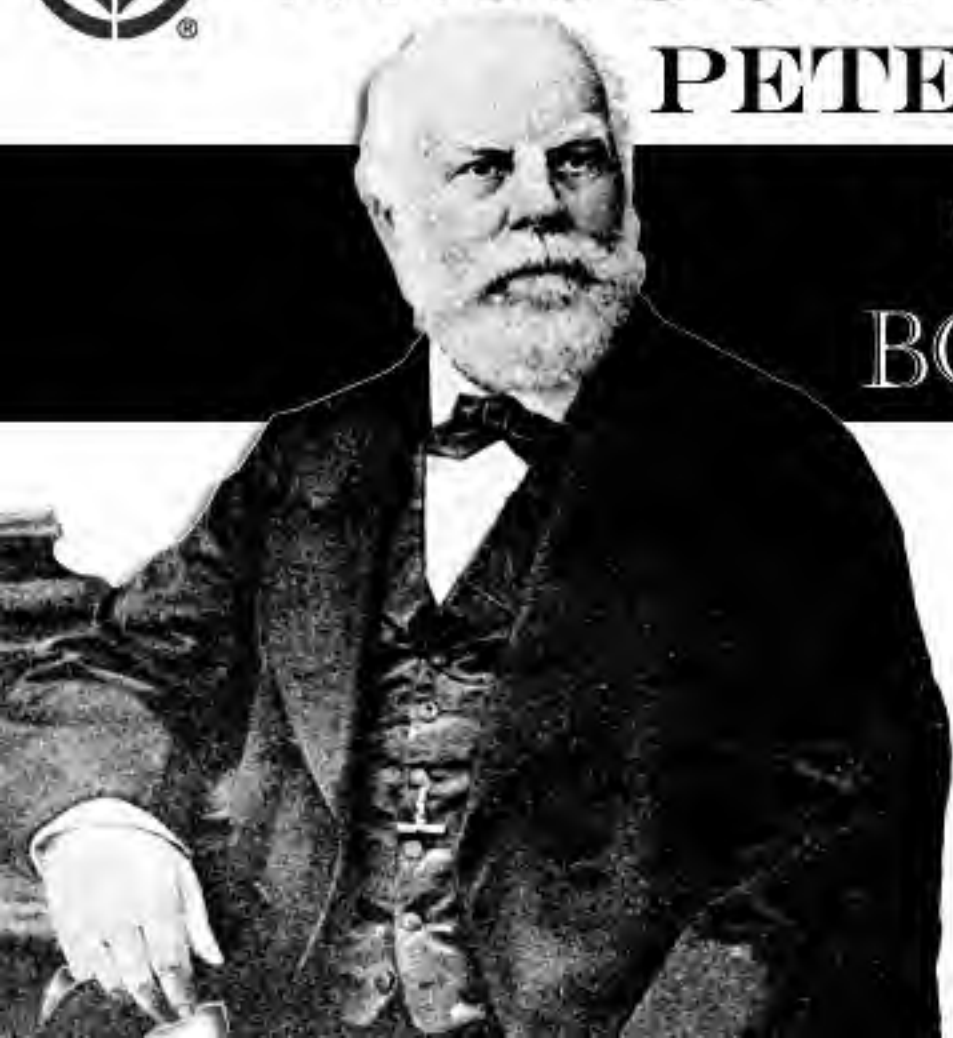




MISSOURI BOTANICAL GARDEN  
PETER H. RAVEN LIBRARY



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.*

C.C.C.

Plaus oute

Tenniffe

Herb Acad Philad



Dry corolla from a ripe capsule



ripe capsule



(Albany Dec 1844)



0 1 2 3 4 5 6 7 8 9 10

cm

copyright reserved



MISSOURI  
BOTANICAL  
GARDEN

4414

MISSOURI BOTANICAL GARDEN  
GEORGE ENGELMANN PAPERS



0

1

2

3

4

5

6

7

8

9

10

cm

copyright reserved



MISSOURI  
BOTANICAL  
GARDEN

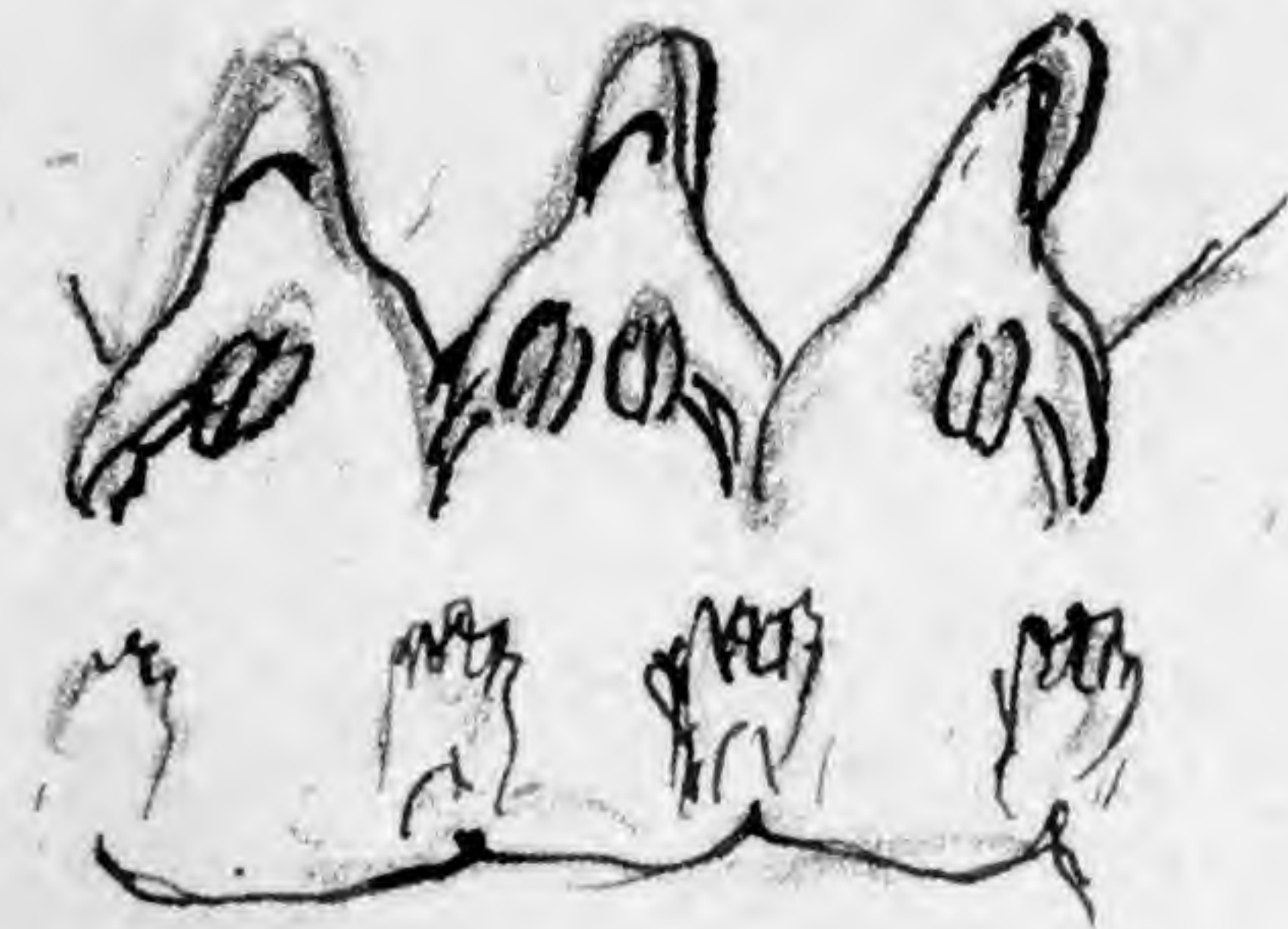
146

153

*Cuscuta planiflora* Kunze!

fls ought  
not to come in Flora > Nov. 1846  
up so far  
vol 31 pg. 655

in Artemisia, Absinthii, Mammili  
Phil. Rich. & Eryngii  
Willk. pl. hisp. No 303.



strongly 4 parted!

This is a very curious plant.  
It seems to be approximate but  
has remarkably short styles;  
fl. sessile, heads very dense flowered.  
calyx lobes obtuse ovate (longer, oblong  
or shorter, ovate) and deeply divided!  
Could take much shorter, tube lobes  
longer than tube, acuminate. Scales  
very small and insignificant and  
thinner; much shorter than tube.  
anthers small orbicular ovate - as long  
as the filament



0 1 2 3 4 5 6 7 8 9 10

cm

copyright reserved



MISSOURI  
BOTANICAL  
GARDEN

both are exactly alike but  
the plant on Engay has sessile flowers  
the one on Artemisia pedicelled!

MISSOURI BOTANICAL GARDEN  
GEORGE ENGELMANN PAPERS



4415



0 1 2 3 4 5 6 7 8 9 10

cm

copyright reserved



MISSOURI  
BOTANICAL  
GARDEN

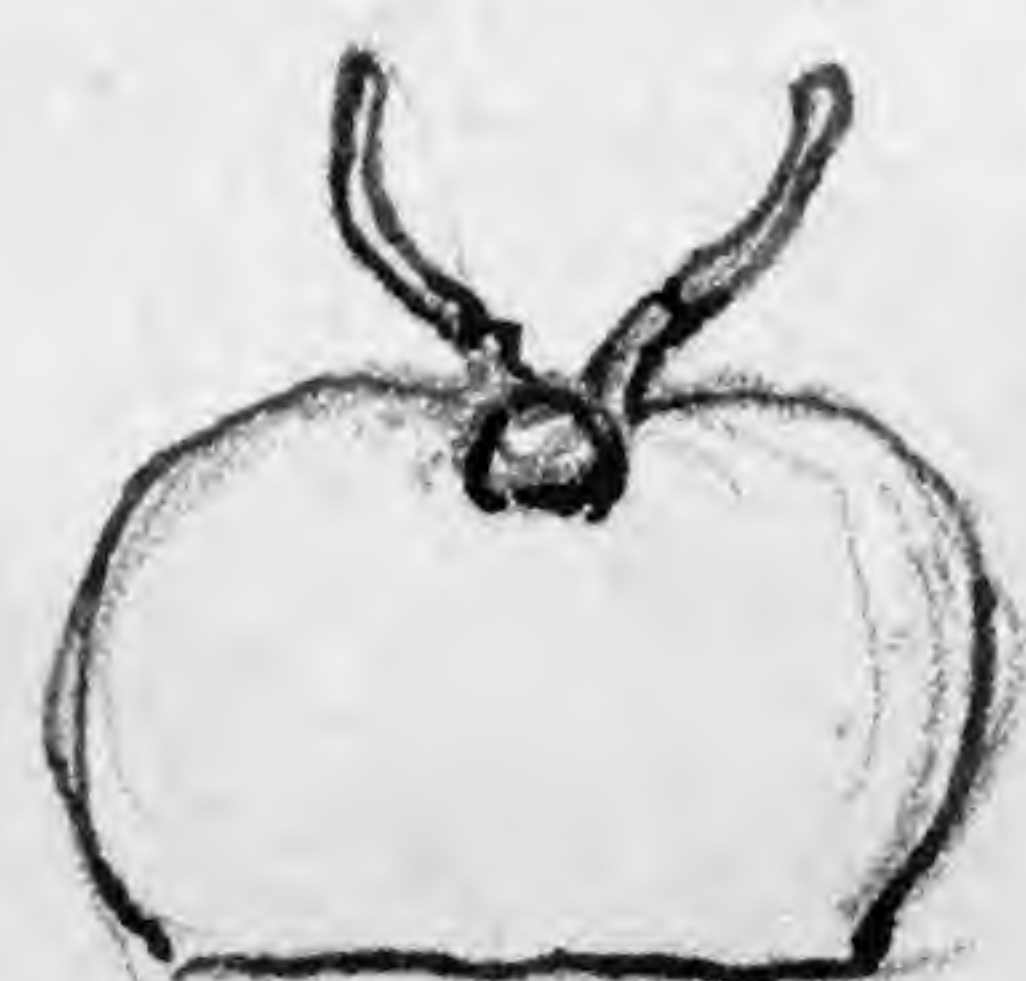
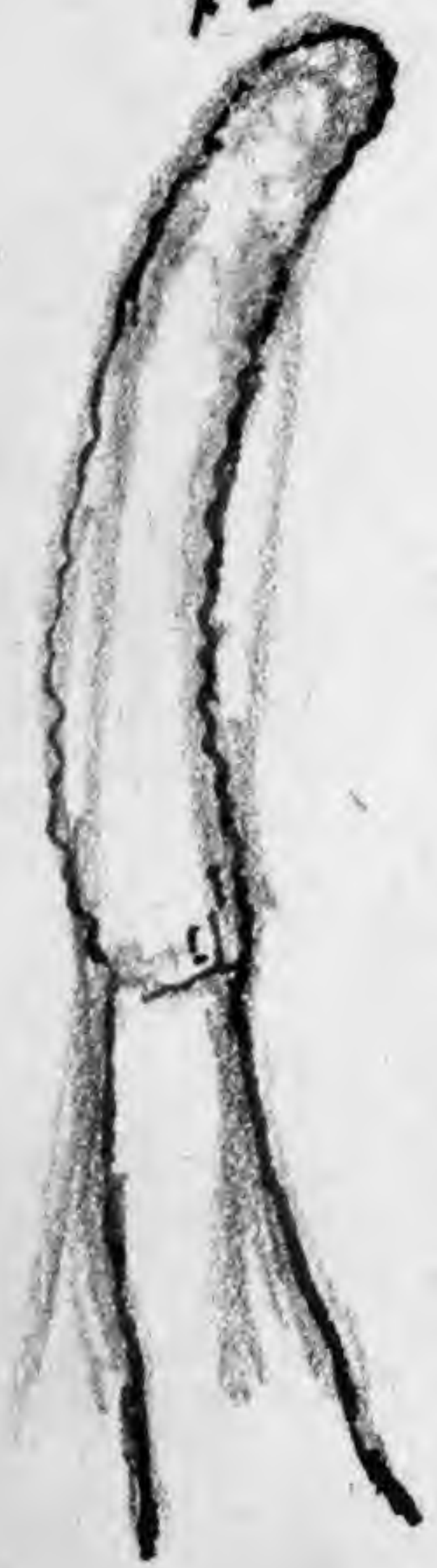


Cuscuta

Sibirica

in Herb. Griseb. barks

seems to be the same as 118. C. minor. var (Kotschy?)  
Pers. austral (sic) fr. Hb. Pers.



flower sessile, calyx thin, lobes acute  
 deeply cleft lanceolate acute much longer  
 than Corolla-tube; lobes as long as  
 tube or a little longer, 4 or 5 lanceolate  
 acute patulous; <sup>overlapping at base</sup> stamens very much  
 shorter, anther orbicular cordate <sup>small</sup>  
 filament <sup>very slender</sup>; ~~anther~~ <sup>anther</sup> scales very thin  
 inconspicuous, adpressed; ~~anther~~ <sup>anther</sup>  
 shorter than tube; ~~anther~~ <sup>anther</sup> unequal, some  
 broad, dentate fimbriate, other narrow  
 orbifid, or even a single tooth, some  
 times in the same flower. Style  
<sup>little</sup> longer than ovary, <sup>or</sup> ~~style~~ <sup>style</sup> ~~longer~~ <sup>longer</sup> ~~than~~ <sup>than</sup> ~~ovary~~ <sup>ovary</sup> ~~part~~ <sup>part</sup>  
~~part~~ <sup>part</sup> ~~not~~ <sup>not</sup> ~~much~~ <sup>much</sup> ~~shorter~~ <sup>shorter</sup> ~~than~~ <sup>than</sup> ~~capsule~~ <sup>capsule</sup> ~~which~~ <sup>which</sup>  
 has a large ovifid



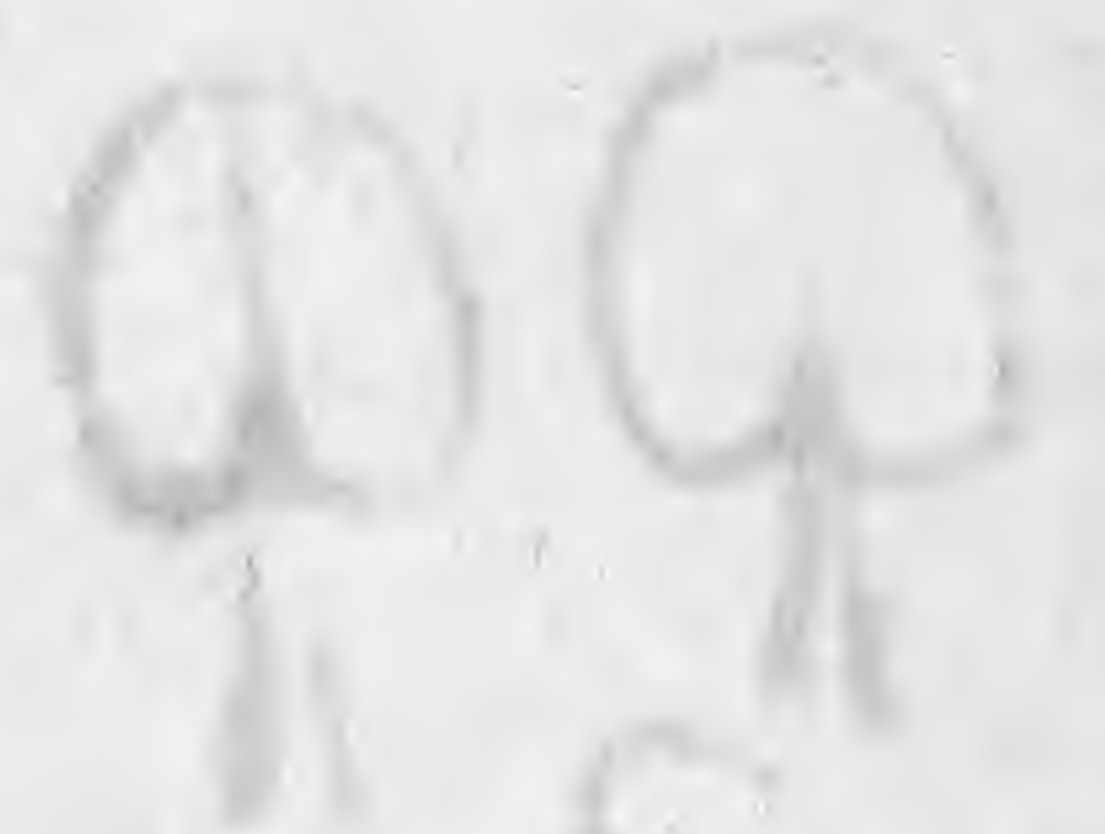
0 1 2 3 4 5 6 7 8 9 10  
cm copyright reserved



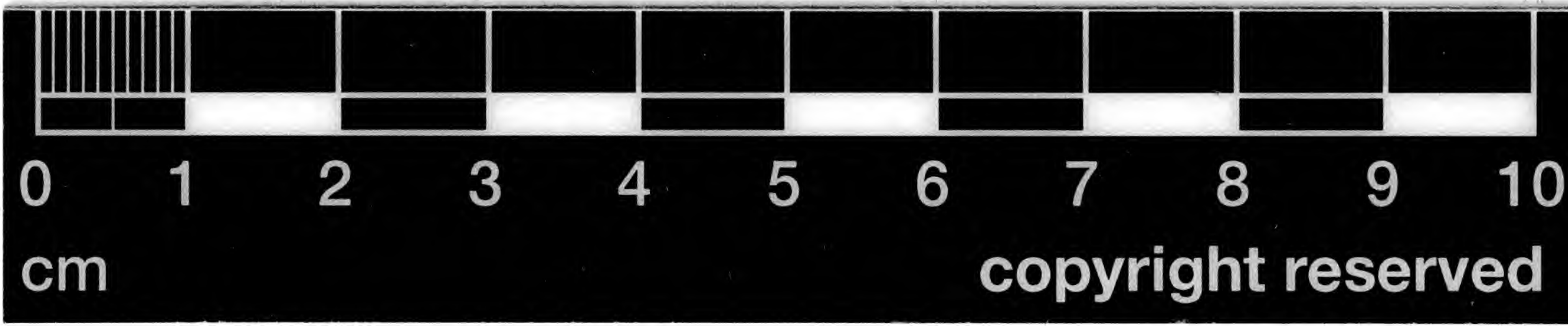
MISSOURI  
BOTANICAL  
GARDEN

seems to be *C. arabida* with lobes of Calyx longer than usual

MISSOURI BOTANICAL GARDEN  
GEORGE ENGELMANN PAPERS



4416



MISSOURI  
BOTANICAL  
GARDEN

copyright reserved

Cuscut. Schiraziana Boiss

Kotschy № 118. 318. Cuscuta minor  
var squamis minimis

Italiae, prope Schiras

Persia

Mar. 1842

Caulis filiformis, floribus sessilibus  
ante glomeratis, calycis profunde 4-5  
fid. lobis ovatis acuminatis petalis;  
corollae tubo longe superantibus;  
laciniis ovatis acutis apice saepe  
noduloso-immixtis; tubo aequantibus  
filamentis brevioribus  
antheris sagittatis acutiusculis  
filamentum aequantibus; squamis  
tenuissimis, obtusis, s. bifidis, dentatis  
mediantibus vix exsertatis;  
stylis ultra medium stigmatosis



1.5



0.35



0 1 2 3 4 5 6 7 8 9 10

cm

copyright reserved



MISSOURI  
BOTANICAL  
GARDEN



ovario crasso longioribus capsulis aequalibus; seminibus  
minutis.

Corolla tough, but capsule very thin.

This must be according to locality the plant of Poirson, and  
his: corolla <sup>calycis</sup> capsulae six longior, and squam corolla  
triple brevior agree well enough but not the lobis calycis  
obtusis, et lob. corollae obtusiusculi.

MISSOURI BOTANICAL GARDEN  
GEORGE ENGELMANN PAPERS

4417



0 1 2 3 4 5 6 7 8 9 10

cm

copyright reserved



MISSOURI  
BOTANICAL  
GARDEN



expanded  
calyx



12



top of corolla  
nodose tips of petals  
tubed bellate sepals  
all visible

*Cuscuta alba*  
*var. guineensis*  
on *Ploroma pedata*  
Teneriffa April 1856  
Dr C. Bolle

Calyx apice soluta sp. (var. *sp.*)  
lobis latis retusis bullato cuspidatis  
2. cuspidate bullato; corolla fere involuta  
lobis nodosobullatis; — — — — — stamin. pallis  
brevioribus; stylis ovario pallis longioribus  
apice sol. strigulosis.



0 1 2 3 4 5 6 7 8 9 10

cm

copyright reserved



MISSOURI  
BOTANICAL  
GARDEN

4418

MISSOURI BOTANICAL GARDEN  
GEORGE ENGELMANN PAPERS



0 1 2 3 4 5 6 7 8 9 10

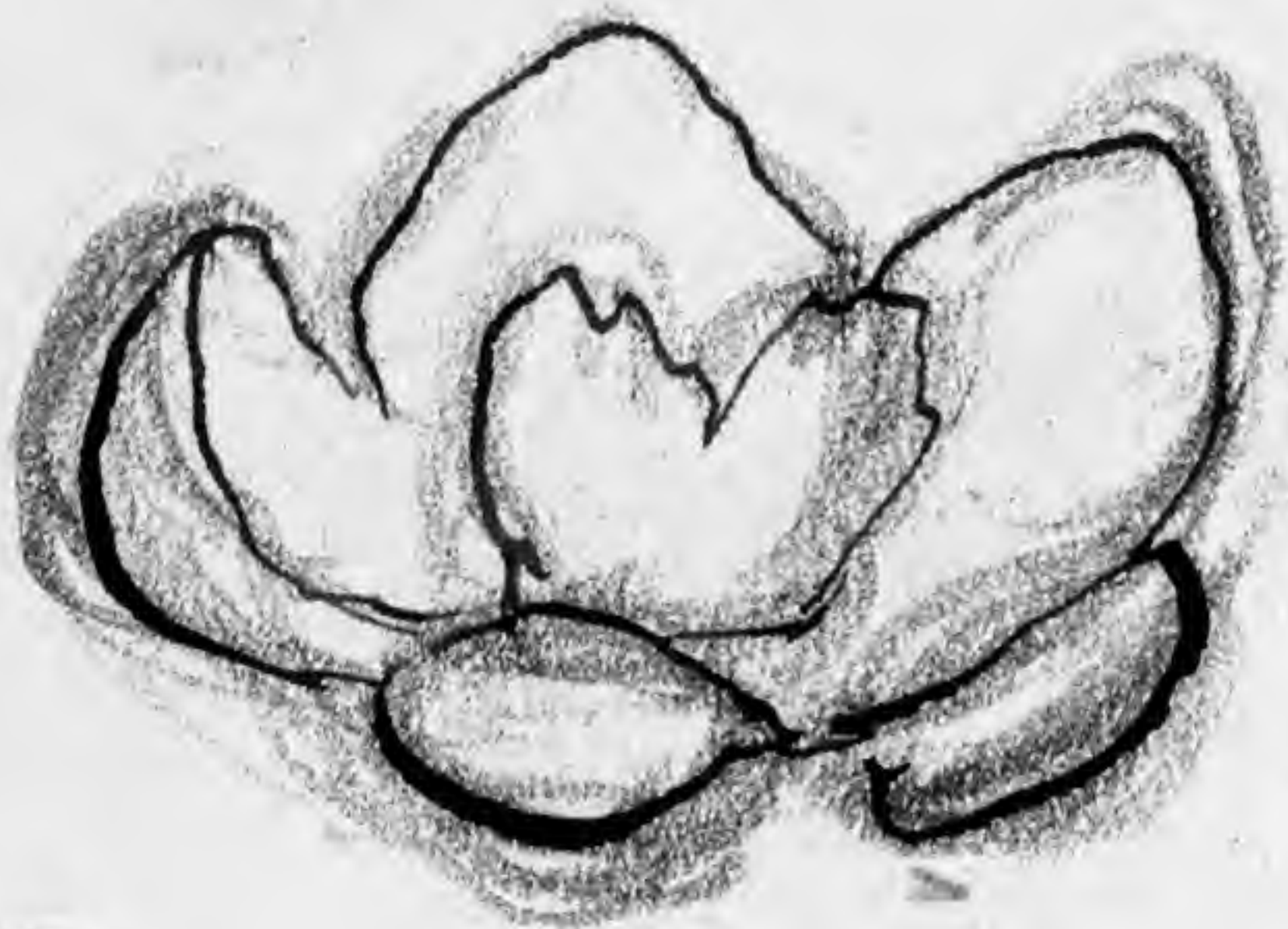
cm

copyright reserved



MISSOURI  
BOTANICAL  
GARDEN

128



0.4 - 0.65

N. 192 *Cerastium Epithymum*

Sierra de Arambida, Lusitania

in Rosmarino

N. W. Ledebitsch

H. B. K.

This is the common Sicily  
plant, figure = 186 = 187  
herbarium name alba, but with  
larger and more united sepals.  
bracteae  
anthers again appressed, as in  
186, — seeds globose smooth

*Cerastium*



0 1 2 3 4 5 6 7 8 9 10

cm

copyright reserved



MISSOURI  
BOTANICAL  
GARDEN

4419

*[Faint handwritten notes, possibly describing botanical specimens]*



MISSOURI BOTANICAL GARDEN  
GEORGE ENGELMANN PAPERS



0 1 2 3 4 5 6 7 8 9 10

cm

copyright reserved



MISSOURI  
BOTANICAL  
GARDEN

*Cuscuta minor* Benth. "

New York N.Y.

76.

Portugal Deakin

is the form of *C. alba*, with broader  
connate sepals, which approaches to *Cus*

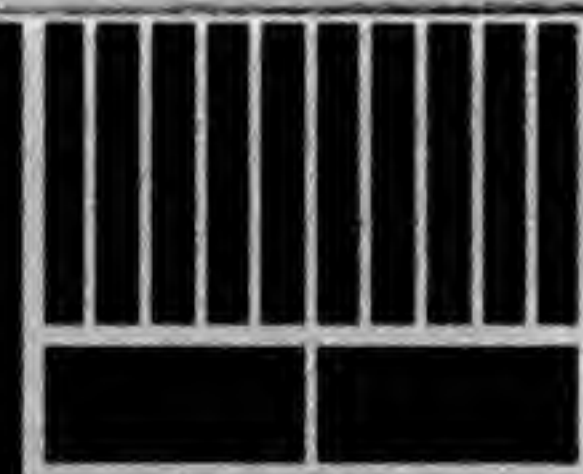


approximately

where is the dividing

line?

styles apparently not longer  
than the thick ovary



0  
cm

1

2

3

4

5

6

7

8

9

10

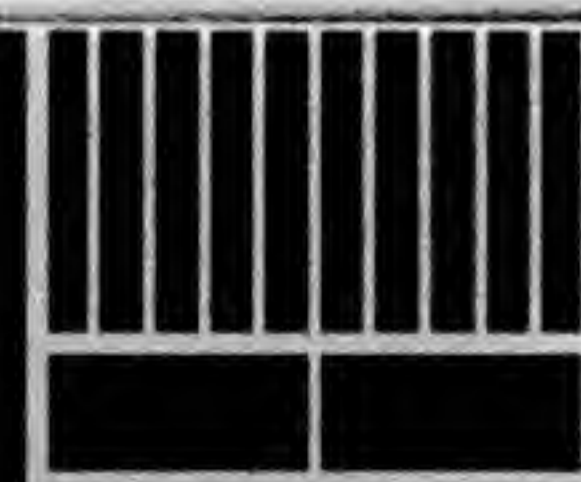
copyright reserved



MISSOURI  
BOTANICAL  
GARDEN

4420

MISSOURI BOTANICAL GARDEN  
GEORGE ENGELMANN PAPERS



0

1

2

3

4

5

6

7

8

9

10

cm

copyright reserved



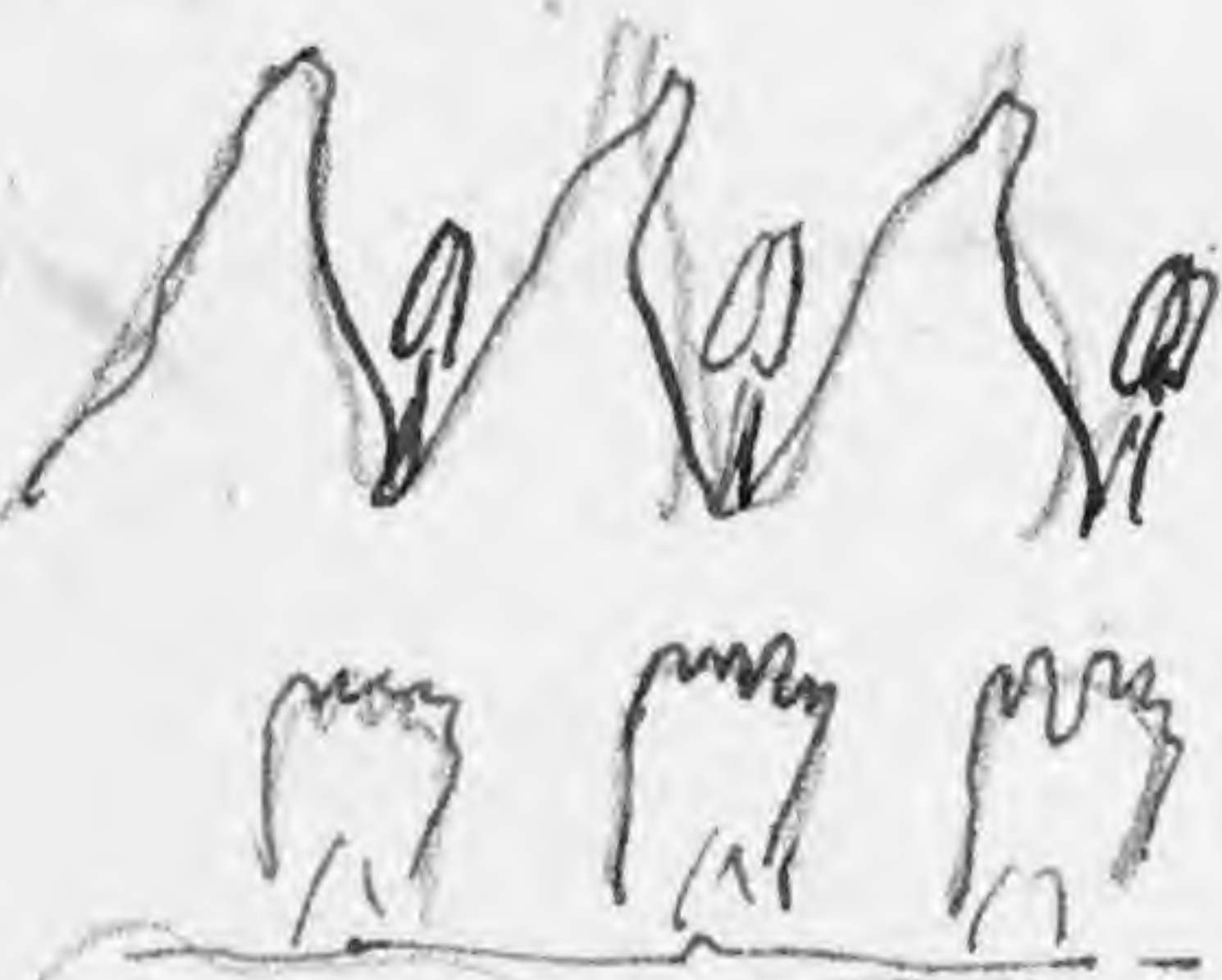
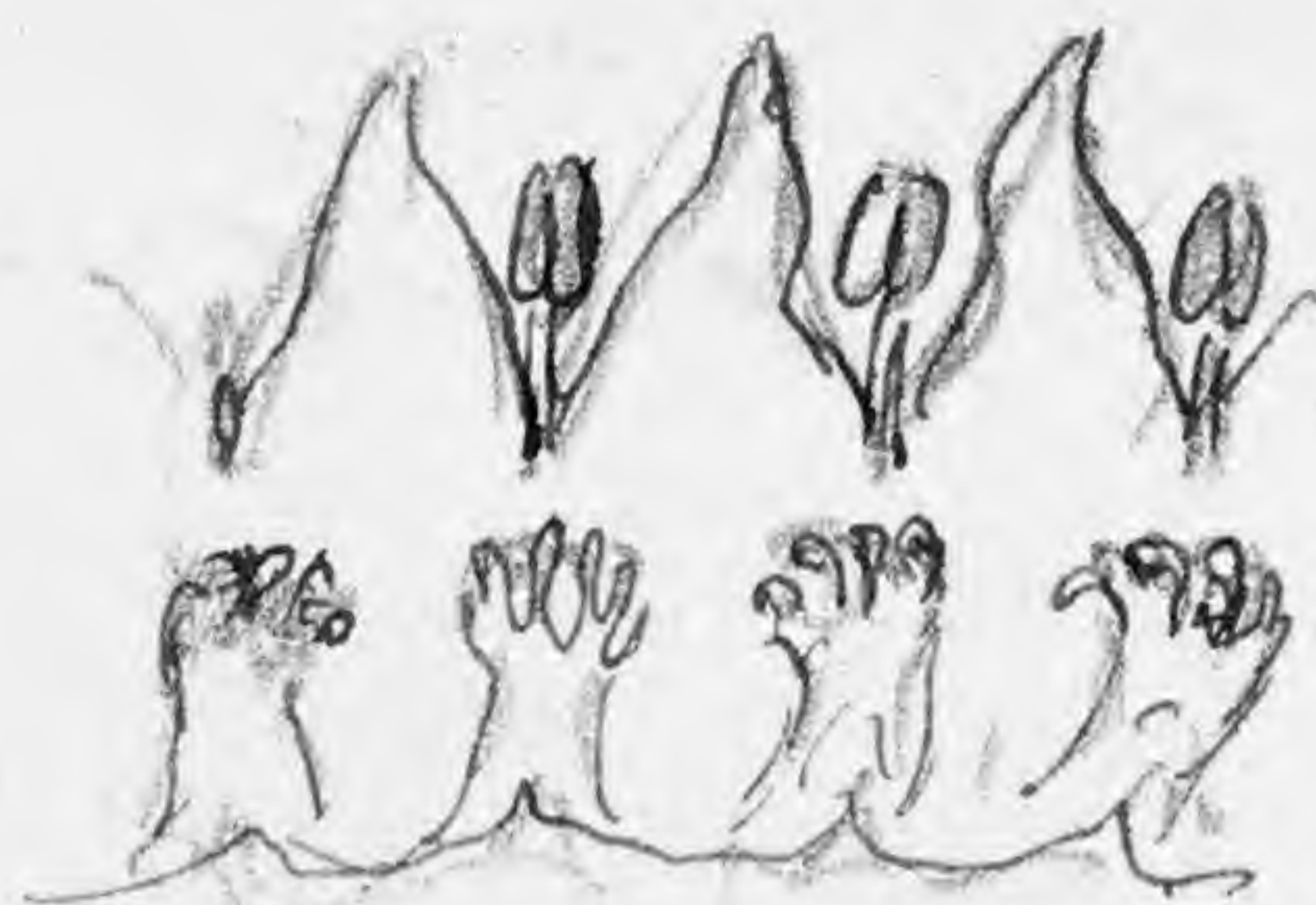
MISSOURI  
BOTANICAL  
GARDEN

Paris July 1857

*Cuscuta thiryana* Boiss

Holschy 118. 318. -- thiry

ex Herb. Cosson



This excellent specimen proves to me that this plant is a form of *C. planiflora*. Scales very variable, sometimes larger and even rounded, sometimes shorter, only distinct as in some forms (fig 160) still shorter as we bifid. — Perhaps were

N. 118 — 318 different and have been thrown together; at least fig 160 I find almost round anthers and here they are oblong and an obly linear — Calyx & corolla thin, membranous; tips of corolla a little striated.



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



MISSOURI  
BOTANICAL  
GARDEN



styles rather short

the elements the same plant

Hb. Hook: Loristan, Persia, May 1852

Hb. Olgineanum

or scabiosa is the same plant — style  
rather short.

MISSOURI BOTANICAL GARDEN  
GEORGE ENGELMANN PAPERS



0  
cm

1

2

3

4

5

6

7

8

9

10

copyright reserved



MISSOURI  
BOTANICAL  
GARDEN

258

*Calyptina*

over

Paris July 1857



1.8



2<sup>111</sup>

Bourzean

Cuscuta Calyptina var. see next page

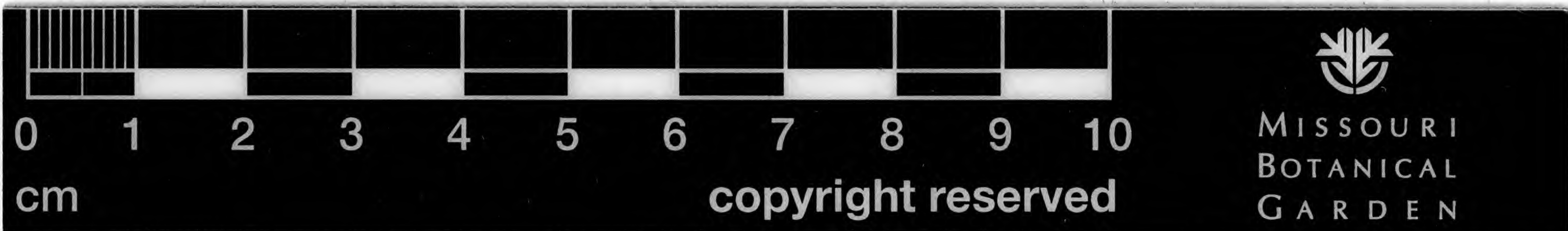
Arico, Teneriffe

on some *Paronychia* de la Perrandiere 25 Juin 1855

This form is distinguished from most others by the elongated base of the calyx; flowers rather large, - Calyx divided to the middle - lobes as well of Calyx as of corolla bullate, lobes entire or sometimes divided. - flowers large, heads large 3-4 lines 6-10 flowers, few or none sterile. -

Cuscuta Guinean, Teneriffe, - Parisclavin <sup>de la Perrandiere</sup> is similar but lobes of Corolla still more tumid; flowers not quite so large.

Cuscuta Bourzean N<sup>o</sup> 18. Feb 1845 on *Quercus lanugin.* In this sample plant, - H<sup>o</sup> Casson, glomerules large, 4 lines full; flowers



2244

at base elongated, almost pedicellate numerous 12-15; flower  
1.8-2 lines long - calyx lobes large, divided  $\frac{2}{3}$  lobes of corolla  
not very tumid - scales entire or bifid - styles unilobed,  
~~with short~~ <sup>much</sup> longer the ovary, but as long as capsule or scarcely  
longer -

This specimen was examined and named by Mr Webb himself

*C. polytricha*

MISSOURI BOTANICAL GARDEN  
GEORGE ENGELMANN PAPERS

*C. polytricha*, site de Fer, Canaries, de la Perrouzier on Chrysoth.  
is the same plant; lobes of calyx divided below the middle; flowers  
almost enclosed, bifid exserted; alt 1.7-1.8 long -

A very similar plant has been named by Webb himself  
*C. Epigouchei*; large head on *Sonchus ophiosorus*, Canaries  
Bourneville 426. - March 1846 - (Hb. Cass. 25) which  
I can not distinguish at all. - flowers turbid as here  
Same plant, on *Sonchus* collected by La Perrouzier



0  
cm

1

2

3

4

5

6

7

8

9

10

copyright reserved



MISSOURI  
BOTANICAL  
GARDEN

854

Napoli March 4<sup>th</sup> 1858



*Cuscuta planiflora*  
Tenore!

Original specimen on  
*Nanthea lacustris* and  
described and figured by Tenore  
in *Flor. Nap.* vol III p.  
tab



It is exactly the same as the  
plant from Algiers, the plant  
named by Desmoulins *Cuscuta alba*



and by most writers *Cuscuta alba*  
The form of *teucrioides* with small heads,  
small flowers, and deeply divided  
Calyx - styles rather short. Scales  
not bilobed, but truncate and slightly  
crenate.



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



MISSOURI  
BOTANICAL  
GARDEN

In Ferris Herbar, in the same sheets with this  
he also has

- C. leucopnea*, a small flowered form  
*C. Epithymum sessiliflorum* (rubricaulis)  
*C. Epithymum acuminatum* (Rocky *C. planiflorum*)

MISSOURI BOTANICAL GARDEN  
 GEORGE ENGELMANN PAPERS



0

1

2

3

4

5

6

7

8

9

10

cm

copyright reserved



MISSOURI  
 BOTANICAL  
 GARDEN

Cuscuta planiflora Tenore !

Ex herb Tenore & Gussone

forma parviflora turgida.

Naples : on Plantago Tenore's original specimen

Portici, on Triplorum etc Hb. Tenore

Ischia on Daucus

C. Epithymum Gussone in Ferdinandian,  
Monte Vulture in "the Basilicata" Hb. Gussone (Hb. Gussone)

Apulia on Medicago, Cirsium etc (Hb. Gussone)

Liparian Islands : Daucus, Hyoseris etc (Hb. Gussone)

Catania : Plantagine, Urtica etc (C. alba) (C. alba) Hb. Gussone

Palermo (C. alba<sup>119</sup>) Hb. Gussone

Central Sicily in Thymus Juggis Hb. Gussone

In Pantellaria (C. bracteosa Guss. ined) - Resch  
Hb. Gussone



0 1 2 3 4 5 6 7 8 9 10

cm

copyright reserved



MISSOURI  
BOTANICAL  
GARDEN

4424

MISSOURI BOTANICAL GARDEN  
GEORGE ENGELMANN PAPERS



0 1 2 3 4 5 6 7 8 9 10

cm

copyright reserved



MISSOURI  
BOTANICAL  
GARDEN

Curt p. 466

*C. planiflora*  
var. *Fenorii*

(Enclosed 90-114)



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

copyright reserved



MISSOURI  
BOTANICAL  
GARDEN



MISSOURI BOTANICAL GARDEN  
GEORGE ENGELMANN PAPERS

1845-46



0 1 2 3 4 5 6 7 8 9 10

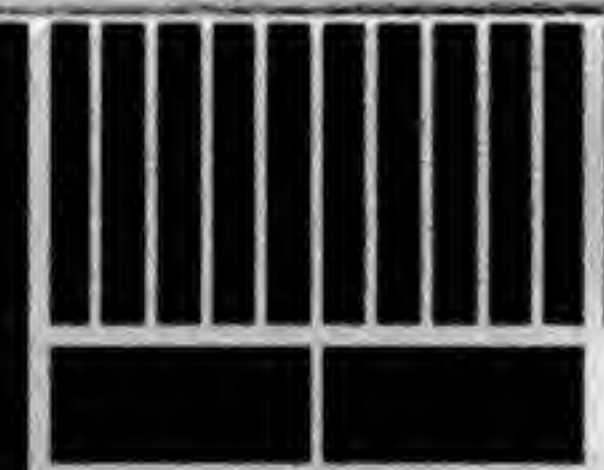
cm

copyright reserved



MISSOURI  
BOTANICAL  
GARDEN

*Handwritten botanical notes, possibly including the name "C. pubescens" and other illegible text.*



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

copyright reserved



MISSOURI  
BOTANICAL  
GARDEN



Cust. p. 466

*C. planiflora*

*s. webbii*  
~~*macrantha*~~

Cal lobis latioribus magis connatis

*Epionia*

*triplex*

*planiflora* Kunz

*Calyxium eximium*

(Enclosed 86-89)



0 1 2 3 4 5 6 7 8 9 10

cm

copyright reserved



MISSOURI  
BOTANICAL  
GARDEN

4426

Nov. 9. 1848

*C. planiflorus*  
D. Don

*C. planiflorus*

MISSOURI BOTANICAL GARDEN  
GEORGE ENGELMANN PAPERS

22-28



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

copyright reserved



MISSOURI  
BOTANICAL  
GARDEN

cal deeply divided

fl. minute

l. l. & less = plough

fl. exsert

fl. magis 1-2 l.

cal. longis  
as by as fl

(only one)

cal. lobis lateribus

magis

connatis.



0 1 2 3 4 5 6 7 8 9 10

cm

copyright reserved



MISSOURI  
BOTANICAL  
GARDEN

4427

MISSOURI BOTANICAL GARDEN  
GEORGE ENGELMANN PAPERS



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



MISSOURI  
BOTANICAL  
GARDEN