

GEORGE ENGELMANN
BOTANICAL NOTEBOOKS

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49

P. Indica Lam

388-9



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cm

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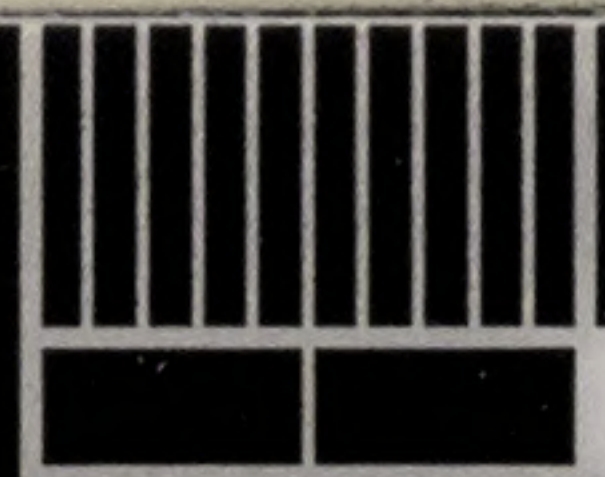
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Faint handwritten text, possibly a signature or date, written in cursive script.



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~~Engelm. spec. nov. et
= Hb. Acad. Berol.~~



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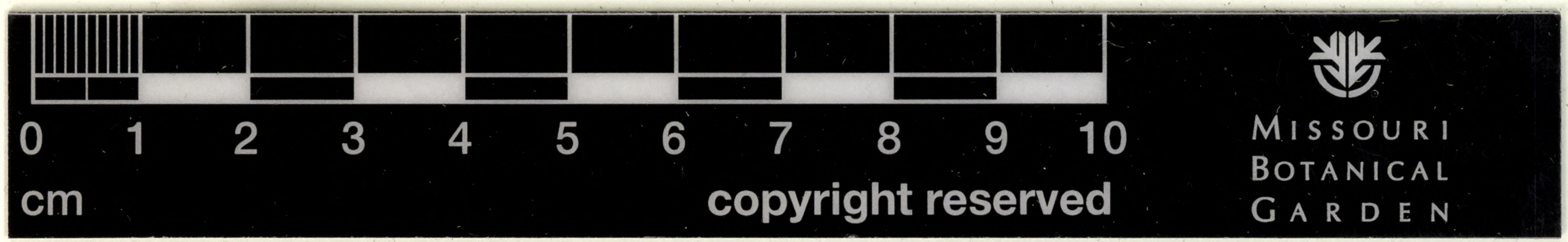
49

Euph. Madagascariensis n. sp.
Madagascar, 1846-48. Boivin
Hb. Mus. Mart.

Lam
= E. indica fide Boiss. Euph. 49 

Schimper Abyssin. 1284 is similar

perennis, erecta e basi ramosa
pedalis ~~glabrata~~ inaequalis
fol. ovato-oblongis vel obliquis
obtusis, ~~sub~~ inferioribus venosis
apice serrulatis superioribus
integris, supra glabris subtus
paucis pilosis s. glabris,
rubro-venosis; pellucidis
perforatis, s. opacis
stipulis late triangularibus
ciliatis
ramulis apice filiformibus
foliis parvis bracteis
formis obsitis,
fl. paucis paucis terminalibus
anther. late campanulatis
appendic. albis orbiculatis
majoribus s. minoribus integris
s. emarginatis - ped. ~~unc.~~ ~~du.~~
caps. glabr. s. pilosulis ^{exsertis}



1841
too near hypnoid fl.?



In Mauritius there is a second
form with more hairy or
rather adpressed pubescence
and pubescent capsule

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[Faint, mostly illegible handwritten text, likely bleed-through from the reverse side of the page.]



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29

E. Indica Lam
for Boiss

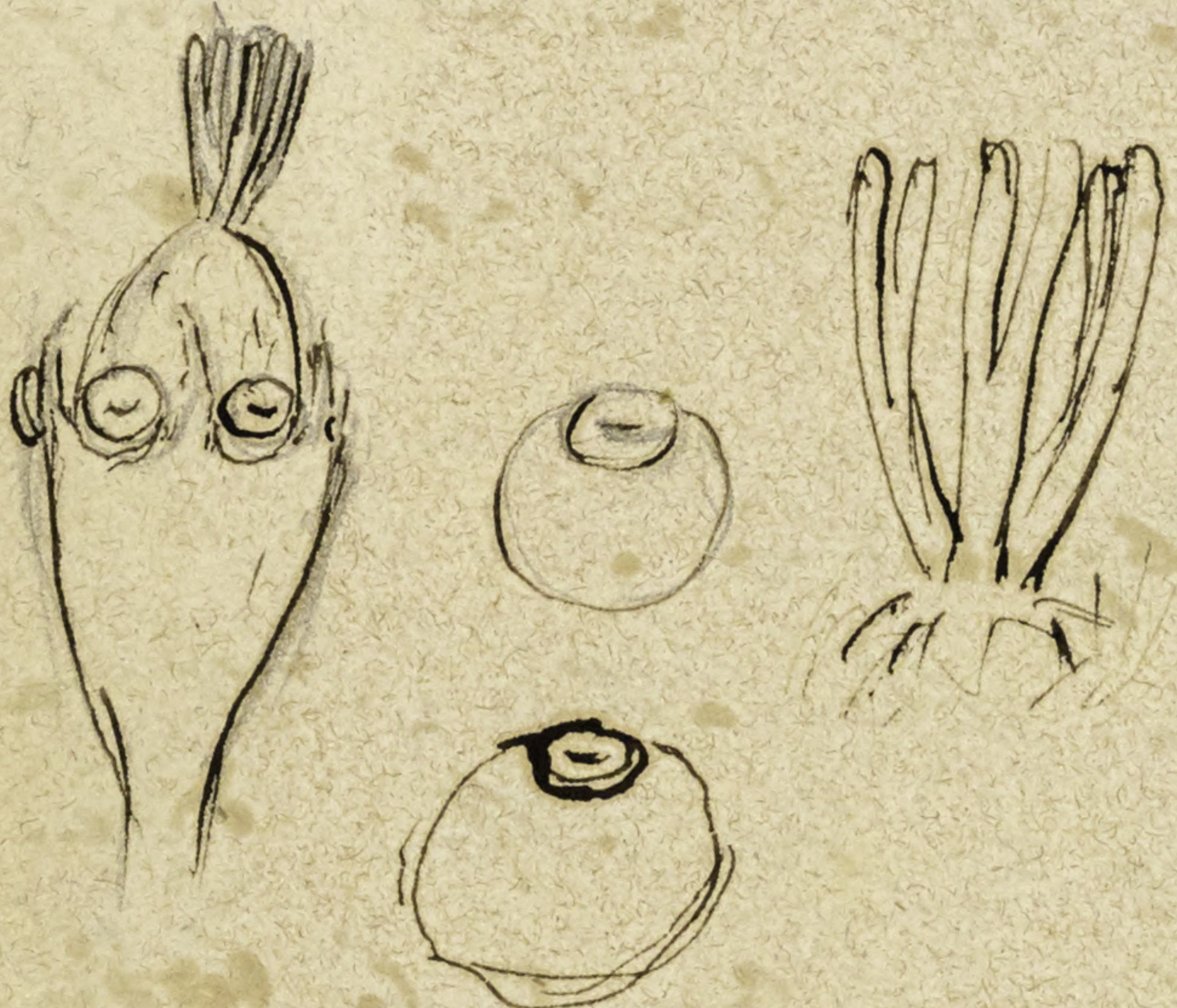
hypericoides



"*Euph. hypericoides*"

324 Kolyschy, Semnan.

see same



Euph. granulata
608 Schimper, Abyssini.

Annua patula, caesoso-pubescent,
foliis e basi obliqua ovato-oblongis
obtusis, ^{sacutiusculis} sinuato serratis, crenatis,
a superioribus subinde integrisculis
stipulis e basi late lanceolatis subul-
tissimis, pubescentibus
capitulato multifloro
caulodis; glomerulas pedunculatas
laterales, plerumque aphyllas
foliisque breviores congestas
involucris primariis capituli late



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6888
albo-appiculatis, ultimis
brevissim appiculatis!
appiculatis orbiculatis, integris
glandulis patelliformibus (vix
cyathiformibus) pubescentibus
(capsulis parvis) dorso subobtusis
stylis erectis brevibus, fere ad
medi-bifidis

semileviter acute angulatis
pinnatis undulatis, obtusis

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Sennar & Abyssinia.

the first with shorter, the latter with a
little longer styles - no other difference
leaves 6-10 l. long 3-5 l. wide,
obtusely serrate;
some of heads 3-4 l. diameters or
pedicels 2 or 3 l. long; - ~~apples~~
involucres, which open first, have
broad white composites apples
the last ones very small & membranous
greenish ones! - Invol. itself
about 0.4 l. long; seed 0.5 l. long
dusty red brown or blackish. -
Intermediate betw. pilulifera & hypocrispa.



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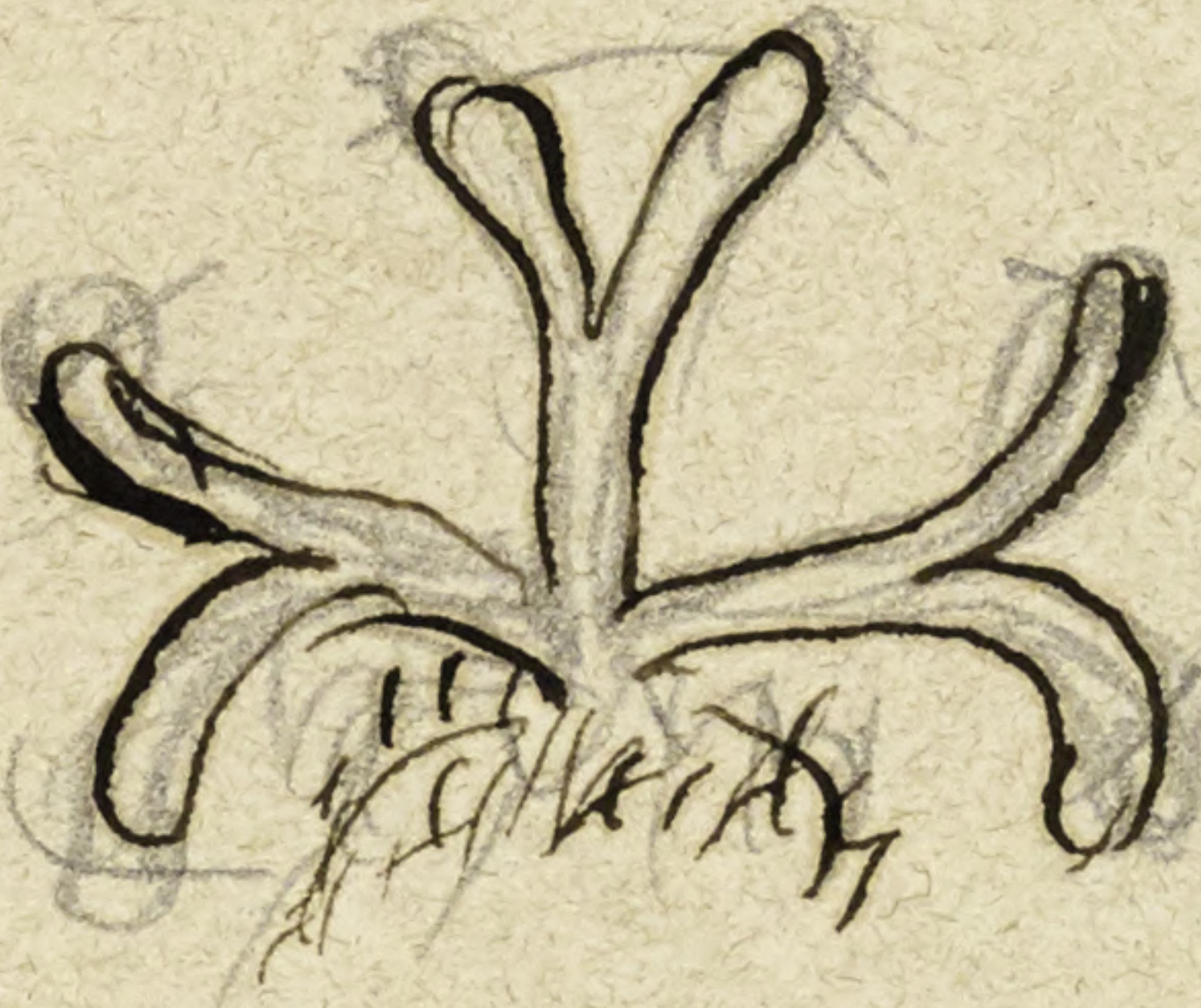
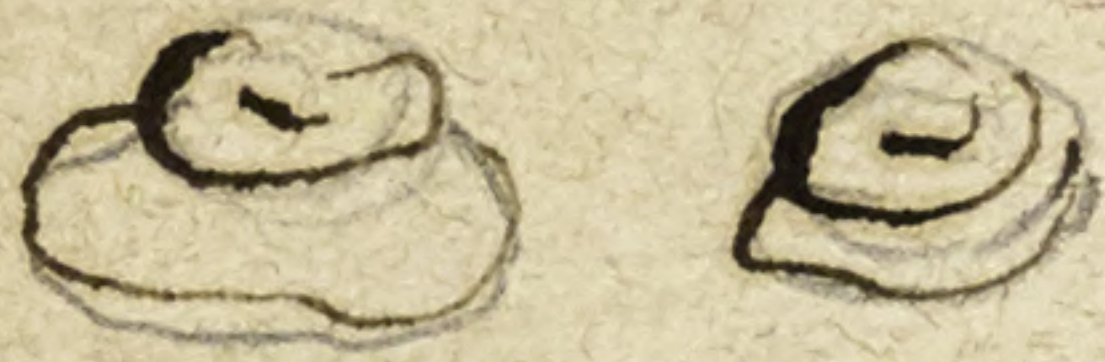
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Hyper



N. 907 Schimper
90 *Hyperboreus*
" *E. hyperboreus* "
var. *pubescens* "



N. 757 Schimper
Fasces, Arabia
" *E. hyperboreus* "



N. 1632 Schimper.
" *Euph. hyperboreus* "
" 1632 "
glabra Algeria

The two former plants are very similar to the plant from Senaar, in fact the same, though at least the second a little less gray; but pubescent capsule style a little longer but the last, N. 1632 is a large smooth erect plant, leaves $1\frac{1}{4}$ - $1\frac{3}{4}$ inch long $\frac{1}{2}$ - $\frac{3}{4}$ inch wide, heads small, but lax; styles long, round and capsule smooth - seed same in all.



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[Faint pencil sketches of botanical structures, possibly flowers or fruits, are visible in the upper and middle sections of the page. The sketches are light and appear to be preliminary drawings.]

[The lower two-thirds of the page contain several lines of extremely faint, illegible handwriting in pencil.]



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50

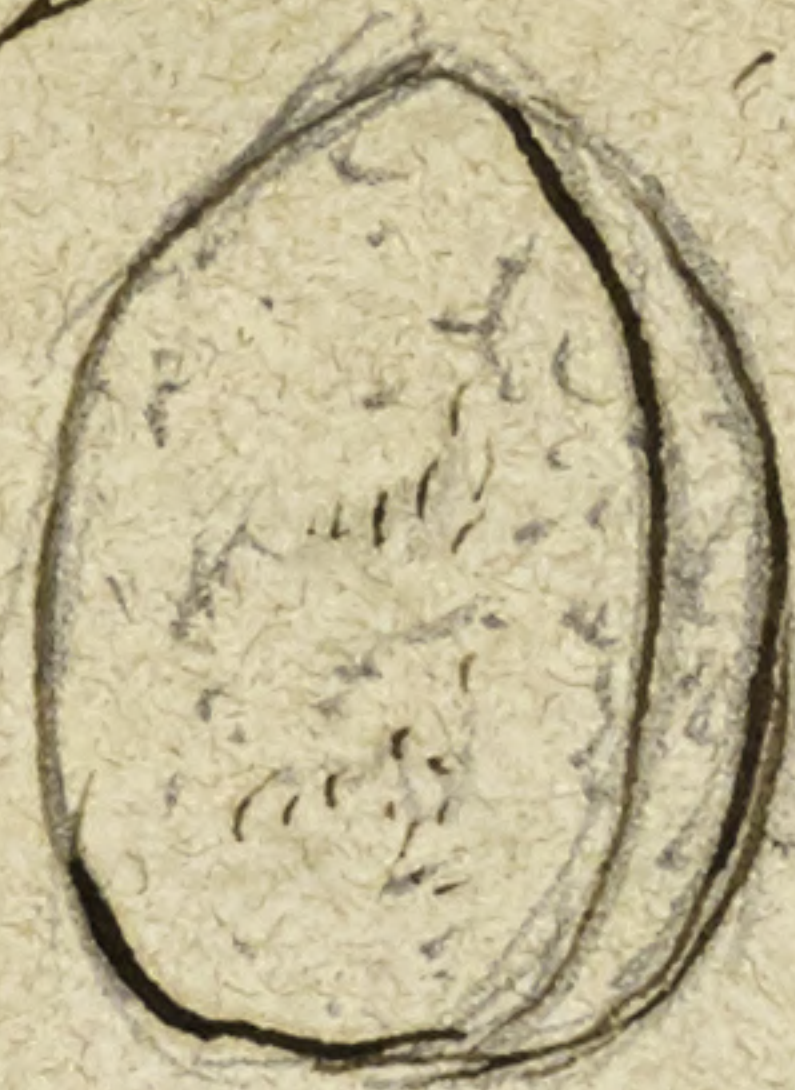
Euphorbia congenera Blume

Orbis Exp 50

2151 Zollinger

Java

in Herb. reg. Bot.



0.5 - ~~0.5~~



annua erectiuscula ramis
 divaricatis virgatis, fol. ovatis seu
 oblongis pilosulis obtusis serrulatis
 s. integris, glaucis, utrinque
 glomerulis densifloris breviter
 pedicellatis aphyllis, lateralibus;
 involucrii fruct. utriusque potius campanu-
 latis, plicatis; glandulis late
 orbiculato-appendiculatis, lobis
 triangulatis ciliatis
 stylis erectis ovario ^{ramis} nullo
 brevioribus;
 capsula pilosa
 seminibus ovatis acutius angu-
 latis rhombis vix levissime
 undulatis s. tuberculatis.
 (latius convexis) papilloso-pilosis
 conspicuis



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looks like an abyssinia E. hyperb.
but is rather distinct by the
inflorescence and especially
by the pale almost smooth
seeds

Intermediate form, belonging to
E. decumbens probably but
peculiar on account of the short
style, smooth seeds

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On the mesa of the Colorado
- Herb. neg. Socra. at Alamogordo

35. var *E. densiflora* Chapm. *glabra*

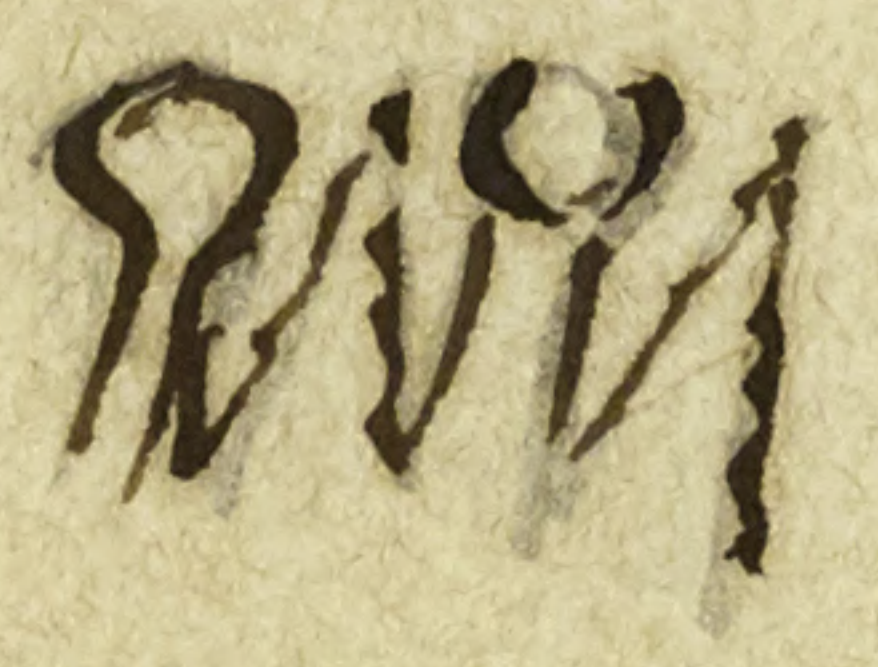
51



near fulva!

montana, the same styles etc

~~from~~ 275 Venezuela 1185
Tender specimen has no
appendages and styles long,
divided to the base



Further
Venezuela

~~montana~~
Porto Rico, styles same
as Chapman,
but appendages large
small or none
in some glaberrima!



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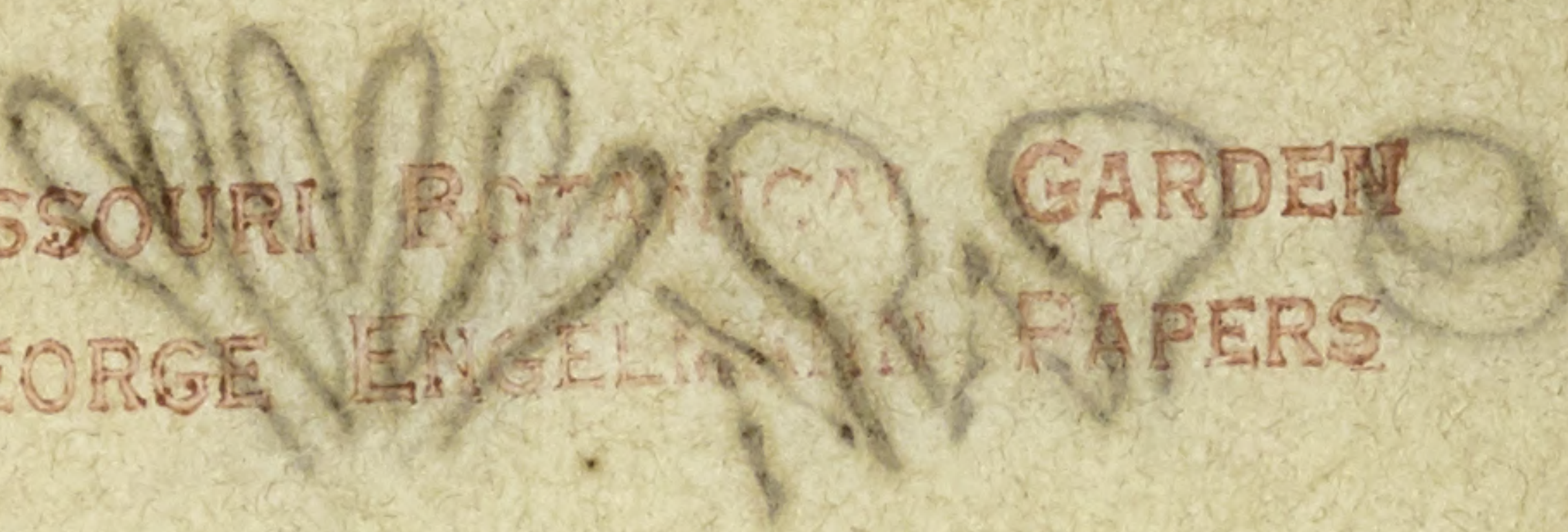


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Handwritten botanical notes, possibly "Sida" or similar.

Handwritten botanical notes, possibly "Sida".



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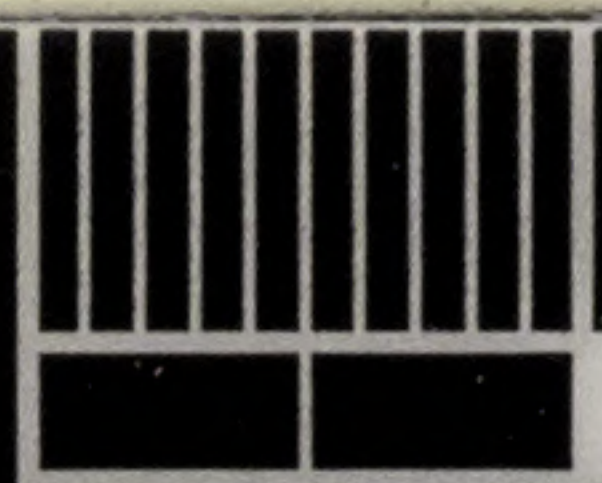
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52

E. hypericifolia

(*E. Pruelii* Guss. (Linn.))

392-406



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52

9274 Herb. Willd.

"*Euph. subserotata*," Pennsylv. Muhlenberg

Seed oval, acute-angled, 0.55 l. by,
transverse undulate-tuberculate,
black = *E. hypericifolia*.

invol. glabr. dorso fiss.

glandulis nudis parvis

stylis adnatis bifidis, raris

divaricatis recurvatis, ovar. aeq.

s. septatis

A small form of *E. hypericifolia*
with small leaves and small
inapparent flowers —
plant nearly smooth.



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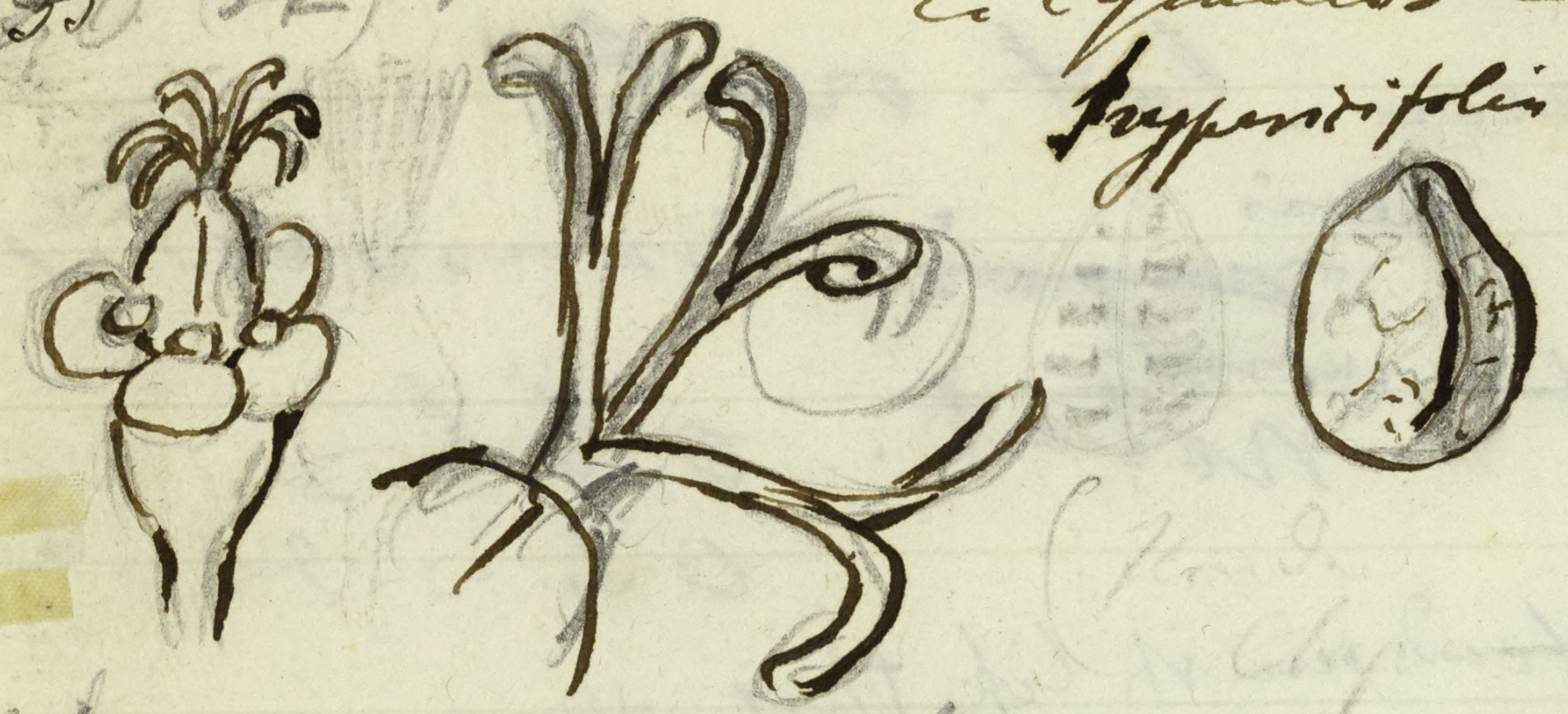
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95 (52)?

E. cymulosa
pyrenidifolia



sub
fruticosa 1-1 1/2' alt. glaberrima
foliis e basi obliqua cordata
sarcocollatis e basi trinervi
acuta serratis
stipulis 3 angulatis ciliatis
~~pedicellis petioli~~
~~involucris peti.~~
pedicellis petiolum longe
superantibus involucris subaeq.
glabris 4 lobis albo
petaloides marginatis
lobis triangularibus 4-lobatis
stylis ad medium bipart
stigma filis. clavell
caps. obtusangula ovata

~~seed~~ lat. ovate.

sulcis
marginis transversis
profunde impressis
Notat. oblonga

Seed much like that of

flor. cyrenalis

longe pedunculata

E. cyrenalis?

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35.

52

hypericifolia

St Louis



— hyper 3

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E. ligandry

caps. pilosa

Sem 0.4 x 0.2 lin

vezante by anglic

with coriaria sides

glab strongly? frons was 2.66

pub. ... 1.7.8.

glab ... 4

villus ... 5.9.10.

glab -

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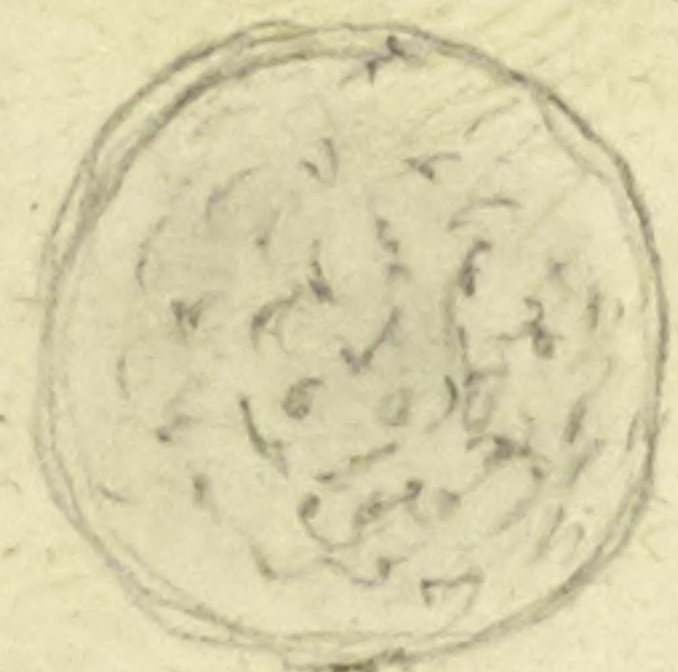
52 *E. hypericifolia*

petaloid form

Sept 1860



x412



$$\frac{5 \text{ lin} = 0.012 \text{ lin}}{412}$$

inner side
of stigma

x60



lateral



dorsal



style & stigma of a young style



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cm

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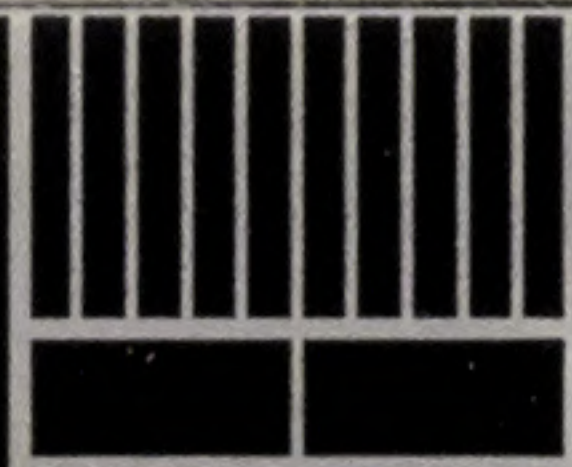


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ALEX. LEITCH,
APOTHECARY & PHARMACEUTIST,
Marble Building Cor. Fourth & Olive Sts. St. Louis, Mo.

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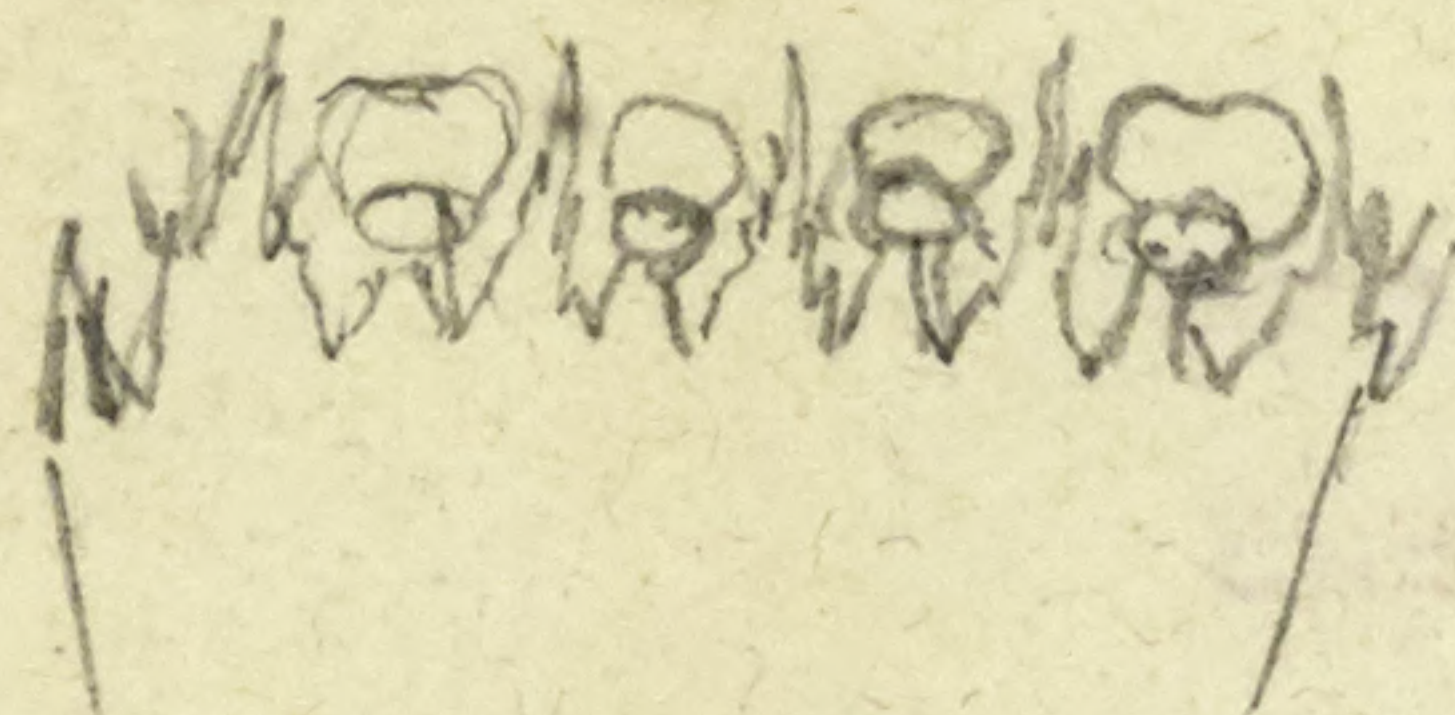
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52 *C. hypericifolia*

Sept 1860



app. larger smaller



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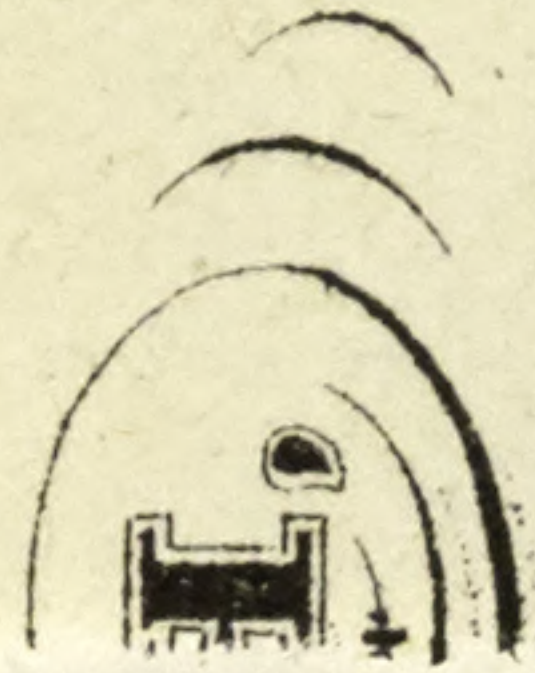
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 L
CEUTIST,
St. Louis, Mo.



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Speds:

1, sem. magn. cub. undulat. nigr.
(caps. glob) Cahiensis
2, sem. mag. ov. sublaev. ciner.
(caps) Deccan Nagel
3, sem. leiosperma 1760

sem. ordinar. nigr. fl. glomeratis
(India et aethiop)
glomeruliflora
a. leiosperma
b. lasiocarpa

a fl. corymbosis
corymbiflora
a. leiosperma
b. lasiocarpa

1, sem. minor. pallida
Eri Mitrantha
s. cinerea
a. leiosperma
b. lasiocarpa



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~~communis (nigra)~~

~~leioranpa~~

~~leioranpa~~

~~microspora (armer)~~

~~leioranpa~~

~~leioranpa~~



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