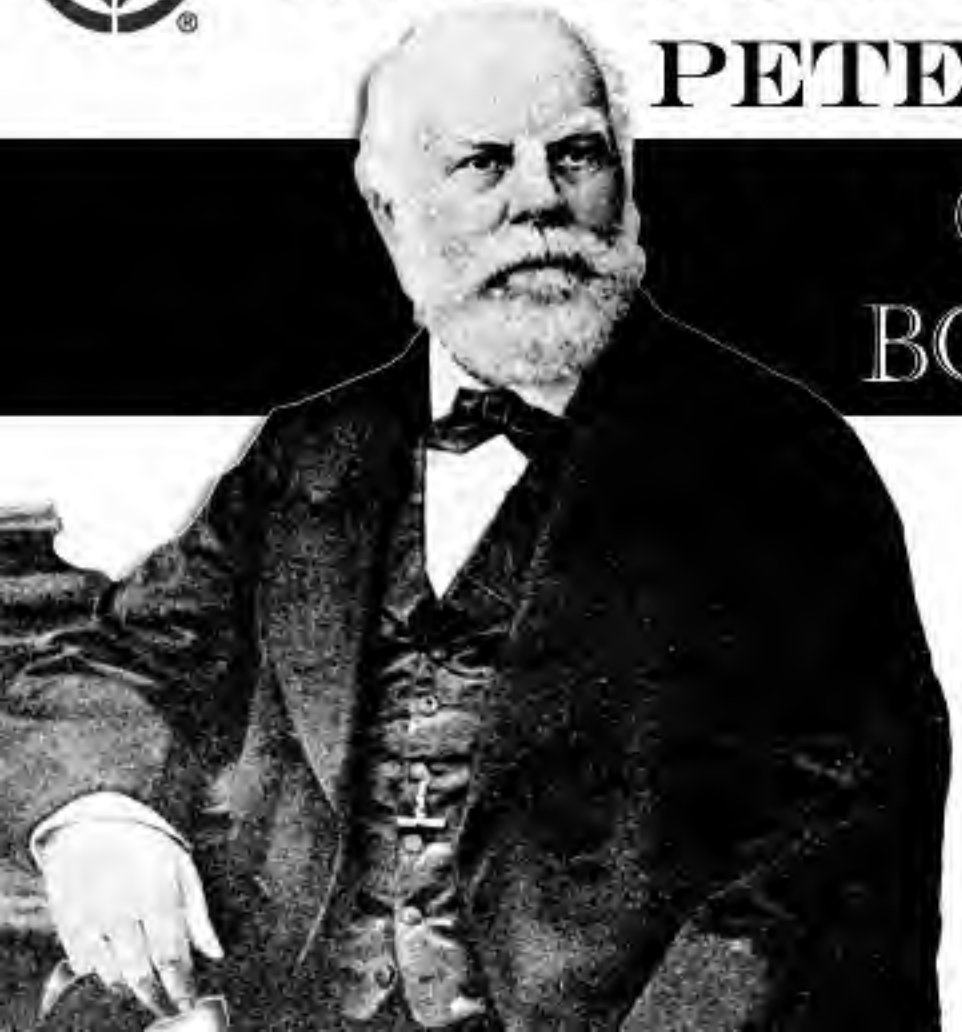
Missouri Botanical Garden
Peter H. Raven Library

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.

1-3

106
Apocynaceae

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

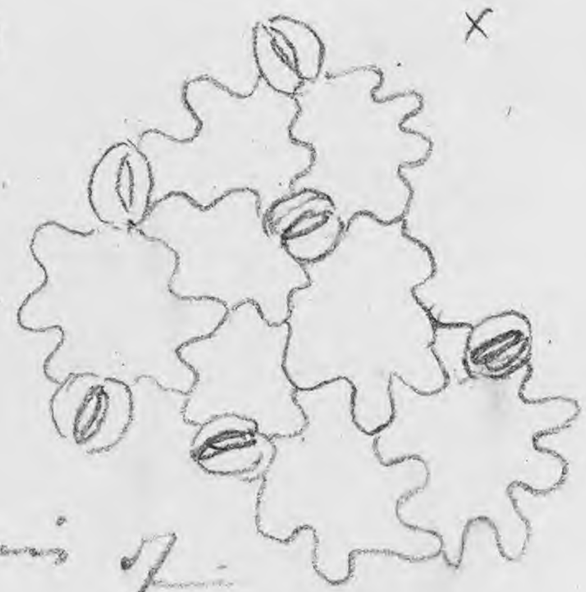
4193

MISSOURI BOTANICAL GARDEN
GEORGE ENGELMANN PAPERS

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

Jan 1 1865

× 280



Gidermis of
lower surface of leaf
of Vinca minor

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

4194

ALEX. LELICH,

APOTHECARY & PHARMACEUTIST,

Marble Building Cor. Fourth & Olive Sts. St. Louis, Mo.

MISSOURI BOTANICAL GARDEN
GEORGE ENGELMANN PAPERS

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

Apocynaceae

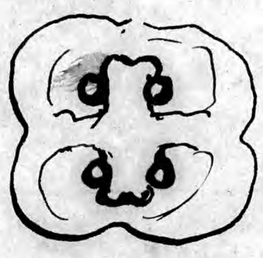
Thevetia neriifolia Juss
Cerbera Thevetia Lin

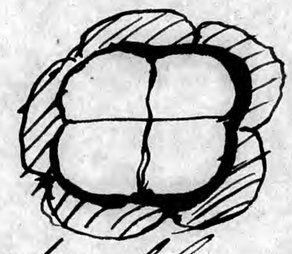
Shrub with irregularly alternate (not opposite) linear lanceolate glabrous shining leaves, and milky juice — with large tubular campanulate, yellow flowers, turning black — drying, with very oblique truncate lobes of corolla

Stigma conic, subbilobed, with 5 bilobed appendages at base;

Ovary 2 celled each cell with 2 ovules, lateral to the placenta, which at the edge is channeled:

cross section:





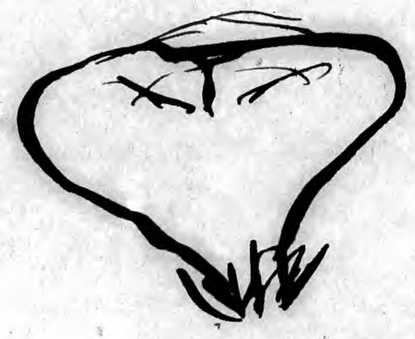
Ovule dark green!

Ovary sessile on a 5 lobed disc, itself divided in 4 parts slight grooves

Anthers 5 subsessile in the lowest part of tube, cordate, pointed with a hair pencil; panicillatae and bristles or hairs on a scale or gland at the base of the short filament, below the anthers, and again above it from a callosity of the tube, which may be the upper end of the filament

Seeds only one or two; the others abortive

Funiculus



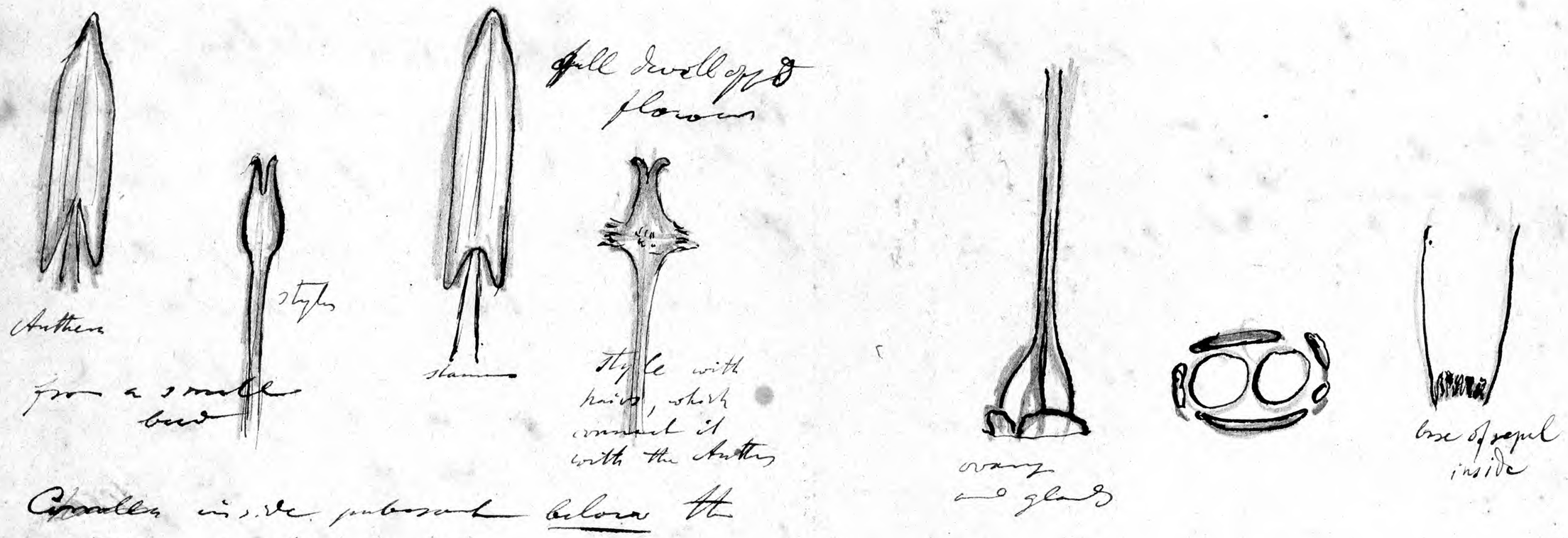
obconic, truncate

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

4195

MISSOURI BOTANICAL GARDEN
GEORGE ENGELMANN PAPERS

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



Corolla inside pubescent below the insertion of filaments

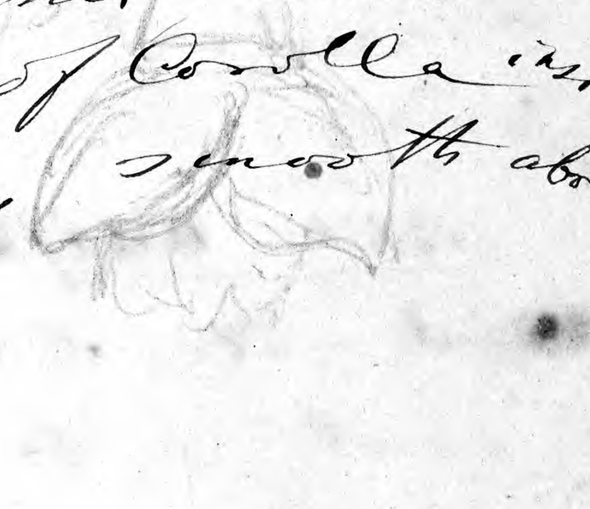
Corolla 1/2 – 2" late limbs; fauce dilatate 1" longa; tubus tolus 3 – 4 1/2 lineas longus.

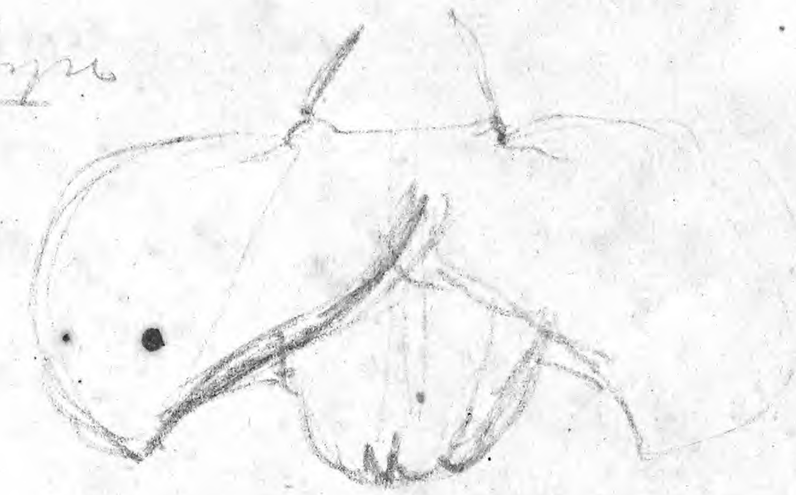
Echites uniflora caulibus erectis, petiolosis, ramis pubescenti-tomentosis, foliis provisoriis petiolatis ovatis s. ovato oblongis, obtusis s. acutis, basi cordatis s. (hypocrateriis in ramulis sterilibus) acutis supra pubescentibus subtus albo tomentosis; pedunculo terminali uniflore petiolum bis terve superante; bractea singula deciduaque lobisque calycinis linearibus lanceolatis subequalibus pubescentibus corolla extus pubescula, tubo calyce 6 – 7 ies superante; apice ventricoso lobis obliquis obovatis tubum quater breviores; folliculis elongatis e linearibus glabris.

Near E. hypoleuca (Bull. DC Prod. XIII. p. 472) distinct by the much larger tube of flower, which is slightly pubescent, but not velutinous, also by the notary, etc. – Stems 6 – 10 inches high from a lignous root; leaves 1 – 1 3/4 inches long 3/4 – 1 1/2 wide petioles 1 – 2 lines long; pedicells 3 – 4 lines long calyx 6 – 7 l. long; tube of cor. 3/2 – 4 1/2 lines long; upper

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

dilated part abt 1 inch long, not constricted at the
faux; limb 1½ – 2 inches diameter, fl. white, ~~4~~
fragrant apparently nocturnal; (radiate-lobed
flattened 3/12 – 4 inches long) at the outer margin of the lobes. — Lobes of calyx
at base inside with many glands; nectary
consisting of 5 distinct and very unequal
glands which are hardly half as long as the
distinct ovaries. — Anthers sagittate, twice as long
as the broad subulate filaments, coherent by hairy
appendages with the ovate turnid ~~stigma~~ which
~~at~~ top bilobed stigma. — Tube of corolla inside
pubescent below the stamens, smooth above





4196

MISSOURI BOTANICAL GARDEN
GEORGE ENGELMANN PAPERS

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