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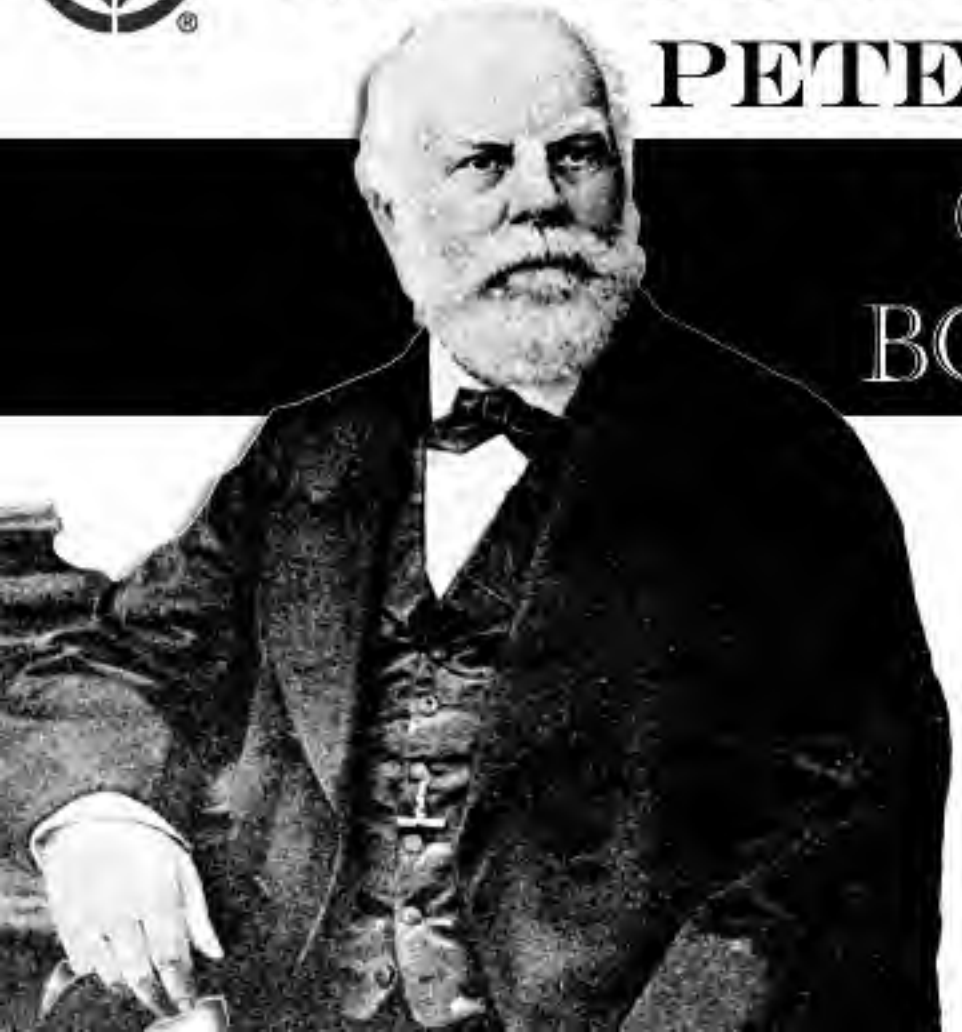


Pagination Note:
Since many of the items lack a specific page number, the page number displayed online refers to the sequentially created number each item was given upon cataloging the materials.

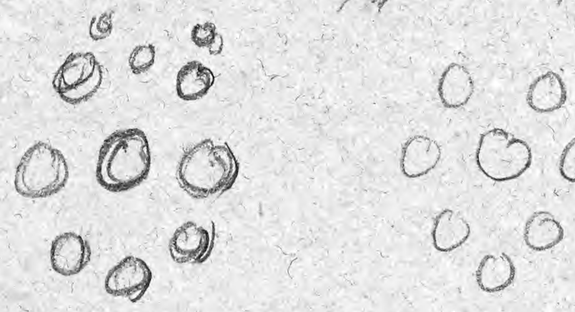
1362 Hot Springs, Ark, July 1869

Echinocactus Hamiltonianus

Oval, 13 slightly spiral ribs (another plant is more globose also 13 ribs)

5 × 4 inches

spines dark, reddish, all curved upwards, 3/4 – 1 1/4 inches long 8 – 10 (2 small additional upper ones occasionally) – spines of seedling smooth



flowers towards tubercular centre, in the manner of E. reductus yellowish, outside somewhat reddish, 1/2 inches long

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Echinocactus humilis

H. B. Vidal. July 28 1869

1363

Includes 304-5

nectarian cavity 1 mm long, really nectariferous but for the next 2 mm bases of stamens adnate, not nectariferous, for the next 3 mm, where the tube widens, insertion of filaments.

Plant ovate, 10 oblique ribs, tuberculed, strongly knobbed below the immersed areole.

~~Flowers~~ 3½ cent diamet. same length;

Pepal of tube & ovary 55–60 with axillary wool and bristles, in 11 oblique rows ($\frac{7}{18}$?) 28 inner sepals, naked in axils

Petals 18 fringed, pale yellowish white satiny

Style rose coloured, thick, stigmata whitish erect, incurved in a head, 7 or 8 in number.

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Hanke's Prag July 10 1869

Echinocactus humilis, Baumann, sem ex Hort Panormit sub nom. humil.
——— Hankeanus Foerster

Angular Echinocactus 10 ribbed 3" high diamet ~~Bau~~
another spec — has 13 ribs, a flat top 2" diam 10 —
Remarks on ann ± after

9–10 black spines
tubercles under the
areolae very prominent

areola triangular

but the flower is
like those of Ech. reductus,
yellow with red stigmata — the flowerbud is surrounded
with black wool in black bristles

1364

same in Vienna, spines dark, crotch — pl. ovl

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Paris March 1869

Echinocactus horripilus, 2" diameter, globose (dead specimen at Weber's, living at Pfersdorff's) is a mamillaria in shape, and in the form of the flowers - naked ovary, rather small flowers.

But the flowers come from the top of the Mamillae; similar, therefore to ~~Mam.~~ ~~microcondris~~ (Echinocactus Simpsonii with scaly ovary) flowers rather small, bluish-purple.)

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Echinocactus macrodisci

when brought up: from Querétaro

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Hort Guedeney, Versinet 5/4 69

Echinocactus "holopterus" n.g." so called in Coll. Guedeney; probably synonym of Echinocactus Dt (wohr. x E. Mirbalii Lem.)

is a plant which in youth is densely covered with the white spoty bunches of wool, found on Mypio-stigma and other allied ones; but in age it looses these and becomes green. —

Perhaps only a var. of the common form of

1366

C. holopterus, Mirbalii & Capricornis have very similar and very peculiar seeds

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Fort Grueday, Desiret 5/4 69

Echinocactus Haynii (South America) flowers from the old areolle on top of the short mamillae, and the flower is said to be exactly like that of Cereus flagelliformis —

1367

Why not a short, globose Cereus of same order?

It seems that the flower appears close above the spiniferous areola, from a well formed woolly floriferous areola.

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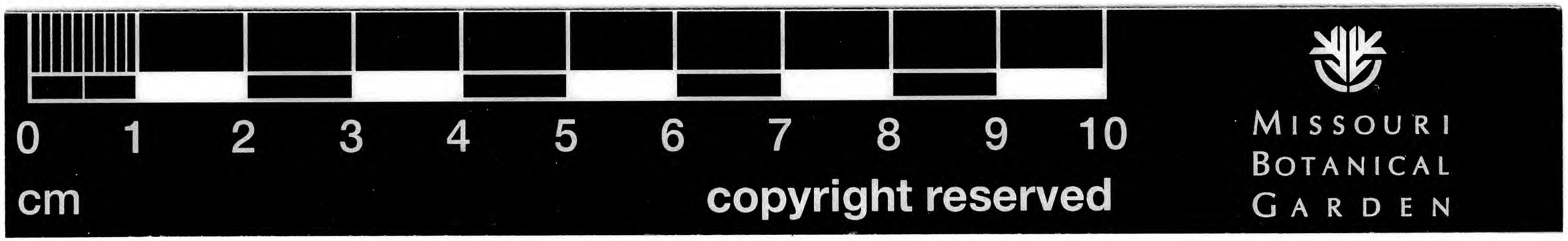

Al Hanke's Prag, July 10th 1869

Echin. heptacanthus: 4 inches high; globose 13–16 ribs
flower from areole of last year.
flower white, very much like denudatus, or still more like
reductus – 5–6 transverse sepals on ovary.

Echinocactus heptacanthus ovary & tube covered
with reniform scales, without any axillary bristles.
(H. Jacobs Coelon Jan 1857

1368

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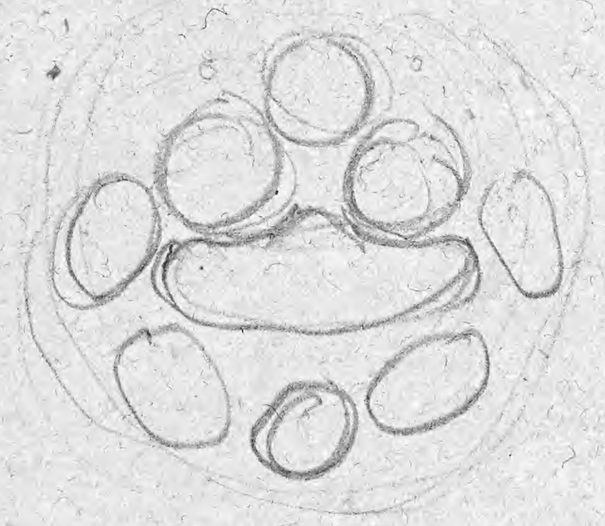
Hort Bot Berg Rug Leg 10 1869

Lich. solanacearum
= inornatus



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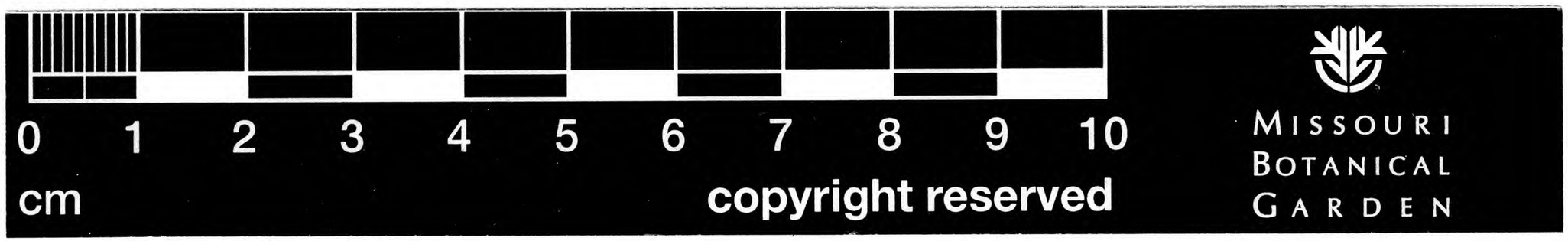

Dr A Weber, Paris March 1899

311-321

Echinocactus ingens
with a large number of synonyms
(helophorus, aulacogonus, Vignaga,
Karwinskii, platygonus, platyacanthus)
largest plants 3 metres high and 1 m in
diameter

Plants at different ages look very different.
vigorous young plants have oval or even
circular areolae, and their full
number of spines; when they grow older
the areolae become elongated and
linear and at last unite so that
then they form a continuous groove
on the edge of the rib.

At the same time they loose their
smaller spines and show often
only 4, 2 or even only one on each
areola.

ingens large, oval, distinct areolae 9 spines
helophorus linear elongated continuous areolae with 12 spines
aulacogonus " " " 10 spines
Karwinskii = ingens dwarf
platyacanthus long areolae 7-8 spines

1370

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Cch. platyacanthus Link & Otto is an ingenus with very long, linear, flattened areoles and 2 – 3 laterally compressed spines – 17 old and 8 new short ones, in all 25.

1371

Hort Berlin June 1869

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areola

1872

Hort Dyck Aug 1857

E. ingens = aculeatogonus = edulis; no specimen larger than 8 inches or 10; always with the brown red marks, areolæ basi bulbosæ — spines have 12 angles; vertex tomentosa areolæ ovl

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high, globose or a little depressed.

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Malacocarpus corynodes, aculeatus and Coryphantha have the same kind of yellow flowers 1–1½ inch long and wide, with very numerous petals

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Echinocacti in Fort Dyck

1373 Aug. 1857

E. heloptorus is again the plant which Dr Voselger sends for ingens. The specimen is 10 inches high and has on top 21 ribs — (they are just dividing near top) — top woolly. —

Areola oval, large central spine angular, lower one shortest, flattened, ~~ribbed~~ annulate

I find no lateral bristle-spines.

form & size of areol

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and red stigmata. The plants seem identical.

M. Fellowianus however appears distinct. — They scarcely ought to be separated from Echinocactus. M. Coulteri has longer and rounder & acuter, shorter spines.

E. Wislizeni 8 angles, oval or even cylindric: 12 inches high

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"Ech. platyacanthus" Hort Kew Aug 1857

arrangement of spines similar to E helophorus, but the lower spine is the stoutest and a little curved — in helophorus the upper central is the stoutest, and straight slightly inclined upwards. It has also a woolly top but more depressed than in helophorus

1374

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Sellersville Pa. Oct. 30th 1883

Dr. Geo. Engelmann

Dear Sir

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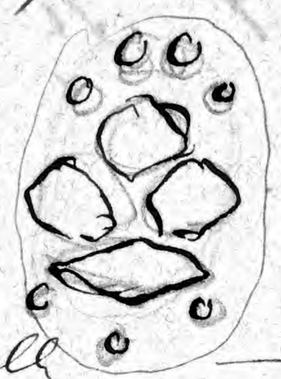
Hort Kew Aug. 1857

Echinocactus heliophorus seems to be the same as E. ingens Poselg (non Jacc.?) old plants of which there are very large ones

have 4 central

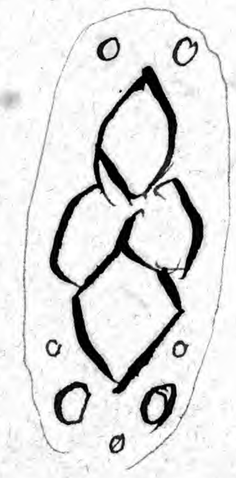


and usually 7 radial spines; young plants are different

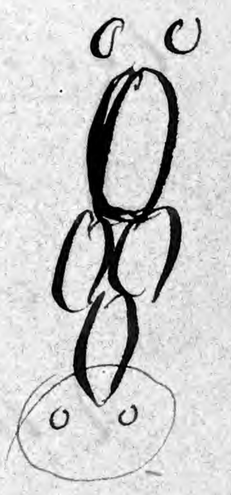
old young plants

1375

Ech. ingens, as named here, is the same as E. heliophorus; specimen abt 20 inches in each diameter; 33 ribs, another one with 29 ribs;



usually the lower central spine shortest but sometimes the upper one; sometimes in very old plants



I find very few spines, only 6 or something by the addition of a couple of very weak lower ones

8. — the areola is then very elongated and the spines themselves are flattened laterally, and quite compressed.

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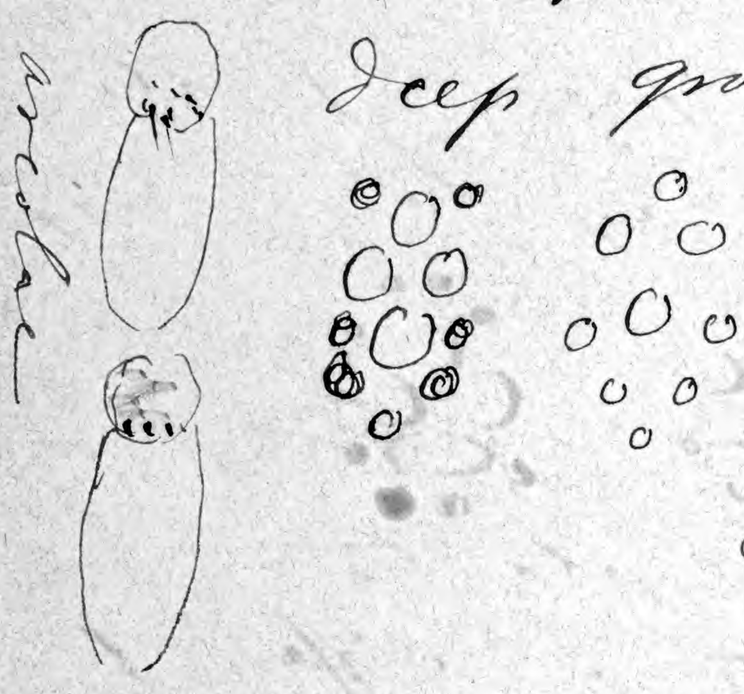
An Echinocactus without name 2 feet high 1½ feet in diameter; 24 acute ribs, deep grooves, continuous areolae, young spines yellow, transparent spines indistinctly annulated,

areolae



Can it be E. Pfeifferi?

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Ech. platyceras has a very similar arrangement of spines as E. heliophorus, but the lower spine is the stoutest and a little curved; in E. heliophorus the upper central spine is ~~curved~~ the stoutest and is minutely pressed upwards. — both have woolly tops, but platyceras is more depressed.

Ech. Echidne = Ferocactus apparently; spines nearly the same, nearly equal annulated, reminds me of Ech. Emoryi; 21 sharp ribs; young spines yellowish greenish.

Ech. Williamsii ♃ rosered, 1 inch long, 5 pale red stigmata; away from woolly base, naked, outer 13 green scales with spiny characteous tips 13–15 petals —

top pet.

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Echinopsis is here also the plant named in Berlin, and said to have been raised from original seeds; a specimen nearly 10 inches or 12 high — healthy, with beautiful brown stripes. This what I take to be Kurowskii

1376

Dr Mahlenbrock's coll. Hannover Jan 1857

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June 18

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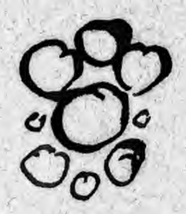
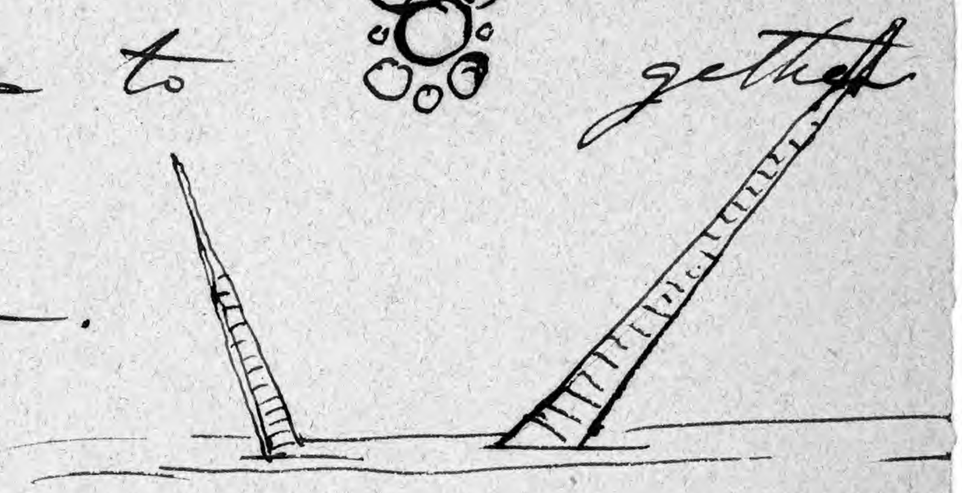
Hort Guedeney, Desired 5/4 69

Echinocactus aulacogonus (= ingens)

lower part of plant with 4 central & 5 exterior (lower) spines.

Upwards the areolae run to  gether and only two spines are formed, sometimes only one. The lower one stouter.



E. ingens at Pfersdorff's (2/4) has orbicular areolae when young, older ones become elongated and at last they run together into a long groove. When it is E. aulacogonus

1377

Echinocactus aulacogonus

same as ingens mostly only with 2 spines 6 lines apart.

On same specimen I find on lower part of plant 4 central larger spines and 5 smaller exterior and superior ones

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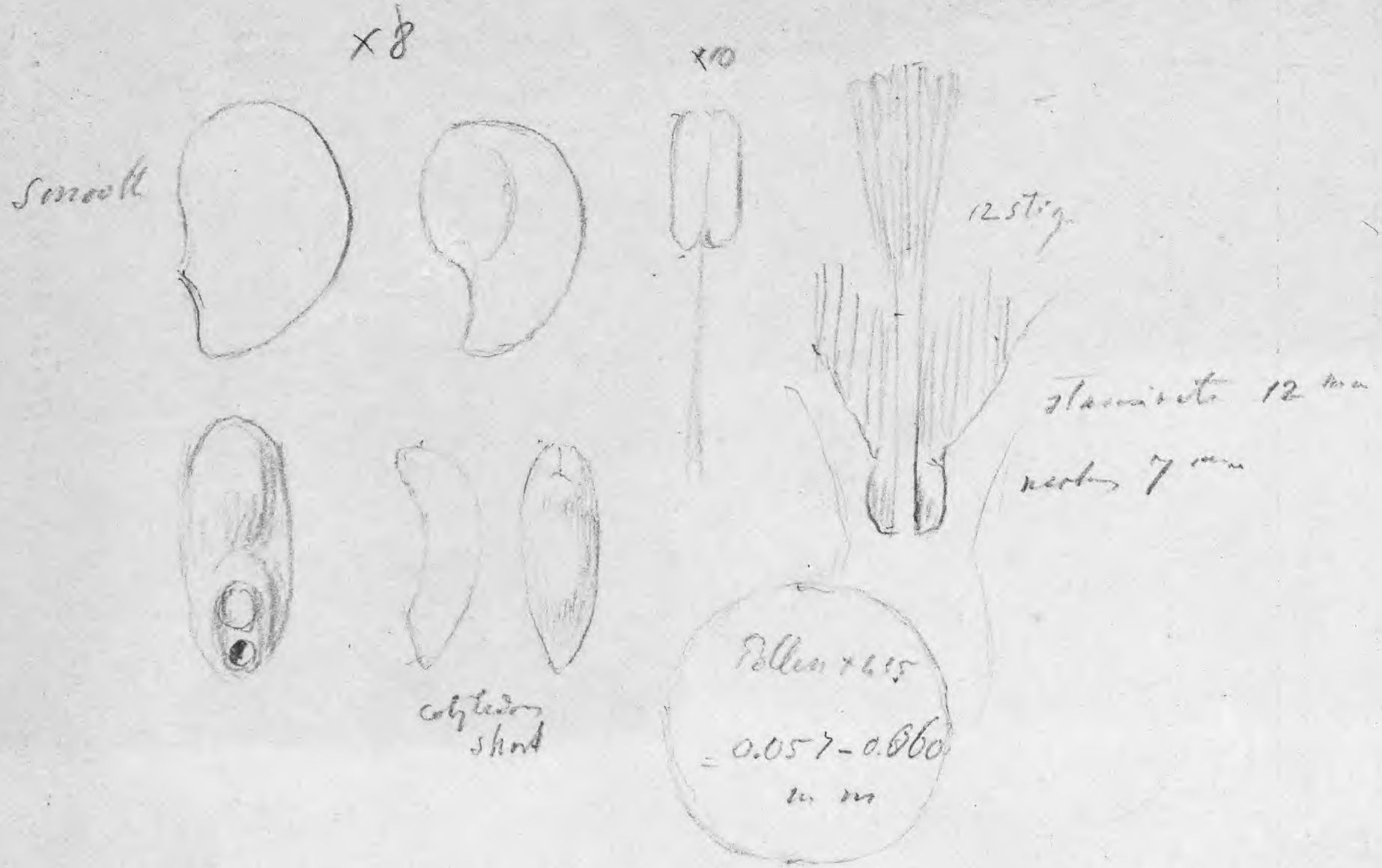
Echin. ingens

San Luis Potosi Mex

April 24 1878

Dr Parry



1278

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Henry T. Rohlfing,

APOTHECARY,

No. 2600 Laclede Ave., S. W. Cor. Jefferson Ave.,

ST. LOUIS, MO.

No. ..... Date, ... 187

℞

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Geo. Engelmann, M. D.,

No. 3003 Locust Street.

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Notes made at
Dr Poselger's Berlin
March 1857

1379

4 Echinocactus Poselgerianus (non Jurani?)
lower central spine shorter
and broader, upper one stouter
and longer; 3 or 4 upper radial
ones — 2 other; especially younger specimens the lower
broad spine is also stouter and longer than the upper one
— The lateral spines in young specimens are stouter than
in older ones
Young plants 2 years old are glaucous-white, with 5 tubercled
ribs and 4 dark spines on each areola. — A plant 3 or 4 inches high
has 13 ribs — Adult ones have 25 ribs — 5 feet high at least 3 feet
diameter (E. pilliferus has 9 ribs and is 5 or 6 feet higher) somewhat pear-
shaped

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E. Visnaga Hook – (30 or 40 ribs?) Dot May 4559

woolly envelope in wool – ingens which it probably is: fl. 8 c dia

Inter-sulcate petals – 12 or 15 yellow

stigmata.

1380

4 spines, annulate, 1 larger upward 3 smaller downward

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Synops Cart.
p. 19. E. ingens Juss. has woolly fruit. Dr
Poselger's plant seems distinct: seeds
only 1 lin long — fruit is woolly
vertex but probably? not covered
by wool.

1381

note made at Dr Poselger's March 1857

x seed 2 l. long

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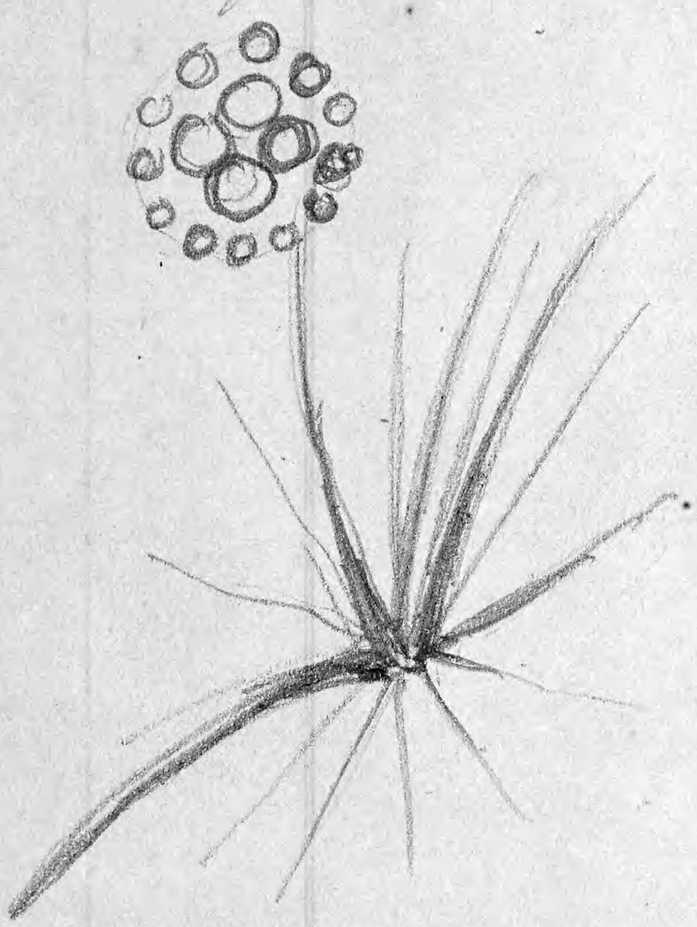
Echinocactus Johnsoni Parry in sched.

ovatus, e basi saepe proliferus, ~~15–21 costis~~ costis robustis, costis 15–21 saepe obliquis, interruptis; aculeis centralibus 4 robustioribus teretibus costis basi nodosis, 3 superioribus arcuatis, inferiore decurvo; radialibus 12–14, superioribus 3 longioribus; vertice tomentello, (10 & Parry) obtectus areolis intricatis

flonbus.



Specimen before me 4–5 inches high 3½ in diam. (without spines; ribs shallow, only ½ inch apart; grooves very shallow; areolae on ribs 7–8 lines apart (from centre to centre, nearly 3 lines in diam.

Central spines 3/4–4 cent 1 1/4–1 1/2 inches long, radial 2–3 cent, 1–1 1/4 inch long.

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Echinocactus Johnsonii Parry

= Echinocactus Orcutt 40th Parallel

1871 p. 117

1383

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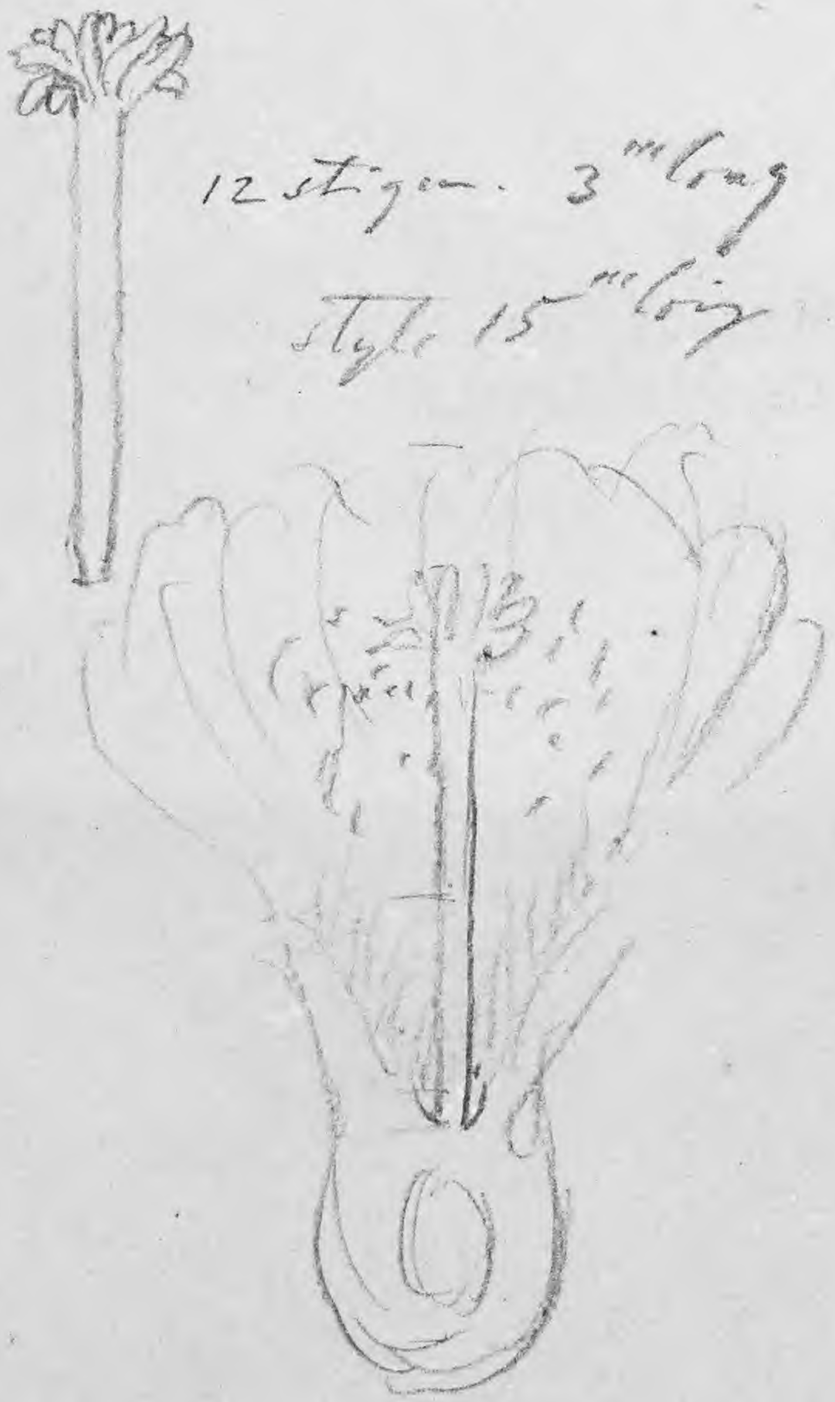
Echinocereus Johnsonii May 7 1877

South Utah

Dr Palmer Apr 1877

ciliate



13 – 15 semiform scales on ovary

1384

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Leitch & Corlies

DRUGGISTS

South West Corner Fifth and Market Streets.

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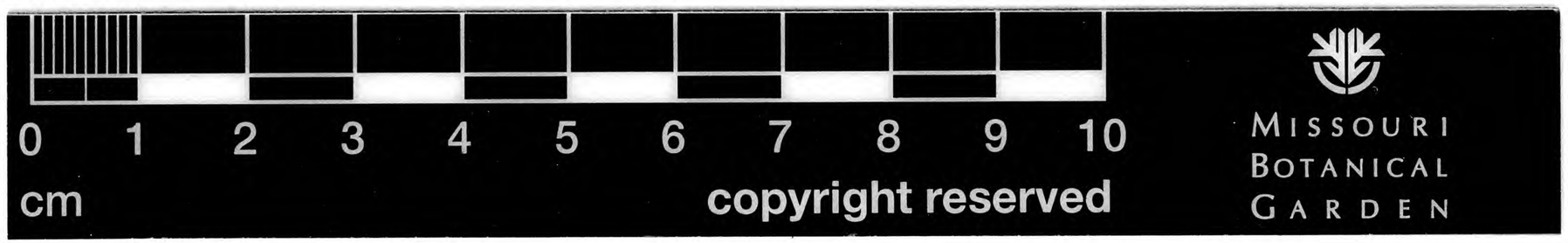
E. Johnsonii Parry mss. midseason, oval, with 17–21 ribs low rounded, obscurely obliquely ~~deeply~~ ribbed; covered with stout reddish gray spines, exterior ones 10–14, upper ones longest; ~~centrals~~ 4 stouter, ~~curved~~ purple or pink flowers ~~with~~ numerous, uniform ~~subulate~~ sepals or ovary and tube and ovate obtuse petals. Seeds ~~[illegible]~~, reticulate-pitted. —

1385

Alkali Springs, Utah, discovered by J. C. Johnson, whose zeal for the development of the natural history and ~~[illegible]~~ resources of his region is commemorated by the name of this ~~beautiful species~~ plant. It is 4–6 inches high, and ~~densely covered with~~ ribs close, spines 1/2–1/4 inch as ~~too~~ 1/2 inches long; flowers 2 or 2 1/2 inches long and wide. —



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Echinocactus Johnsoni

1386

largest specimen 12—14 inches diameter

C. S. Palmer 1877

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largest Echinocactus Johnsoni
14 inches high
S E Palmer May 27 1877

1387

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1747 F St., N. W.,

Washington, D. C., June 15, 1877.

To Dr. Engelmann

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