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BOTANICAL NOTEBOOKS

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Notes on Opuntiae in  
Hort Thuret, Antibes

Febr 25 1869

Opuntia albicaulis, pale, spines white,  
bristles unusually long — (have seen the  
same in Naples)

O. "robusta" what was called at Naples

Op. Pierrolomianii

"O. lanigera" = O. crinifera of Naples  
[= senilis)



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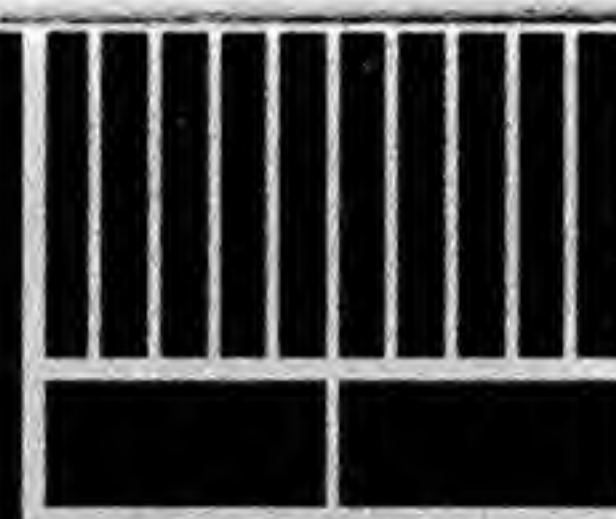


Opuntia microdasys.

at Dr Weber's  
Paris, March 1869

Seeds resemble much those of *O. basilaris*,  
but are very small — same unproportionate  
thickness, same short but broad or rather thick  
rim; same regular shape. —

Fruit according to notes, taken on the spot,  
"verdâtre", probably not quite ripe, or an  
uncommon variety; afterwards it was re-  
corded as being red inside and outside  
size small, of the size of a "pigeon's egg".



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A. J. A. Weber's

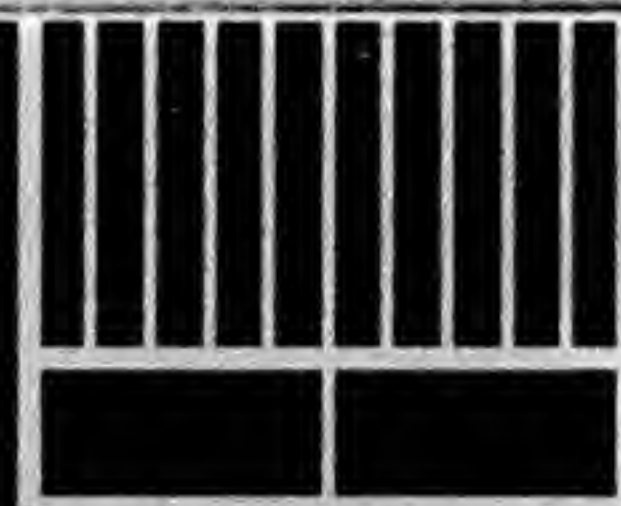
Paris March 1859

*Opuntia acida*, Weber Mus

"Joconostle" or "Tuna Joconostle"

~~with~~ "the sour tuna"

Cultivated about San Luis Potosi and elsewhere and much esteemed; the acid fruit is used for syrups like currants, and is even official there for such purposes.



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A. G. Weber's, Paris March 1869

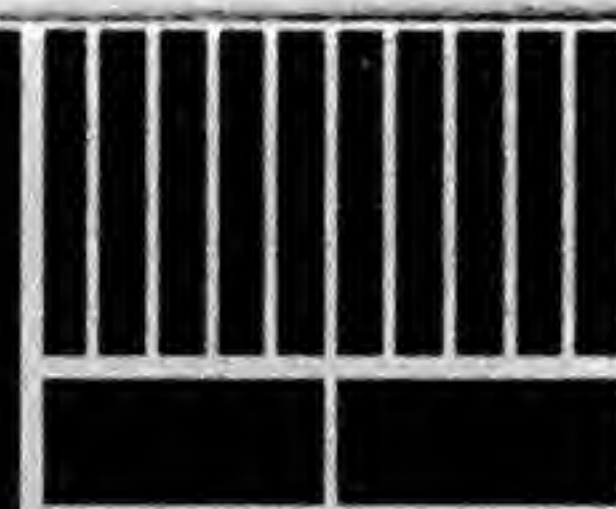
*Opuntia*

"Durasnillo" (the little peach)

cultivated and much esteemed at Solis & between  
San Luis Potosi & Matehuala and every where in  
that region

Umbilicus large and flat.

This probably *O. fulvispina* (= *semita*) A. Weber



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Opuntia Rivarocensis Weber Mes

Paris March 1869  
at Dr. Weber



actual shape  
of fruit as  
dry & much  
shriveled



probably shape  
of fruit, according  
to Dr. Weber's notes.

Not much recorded  
or recollected about  
this plant; -

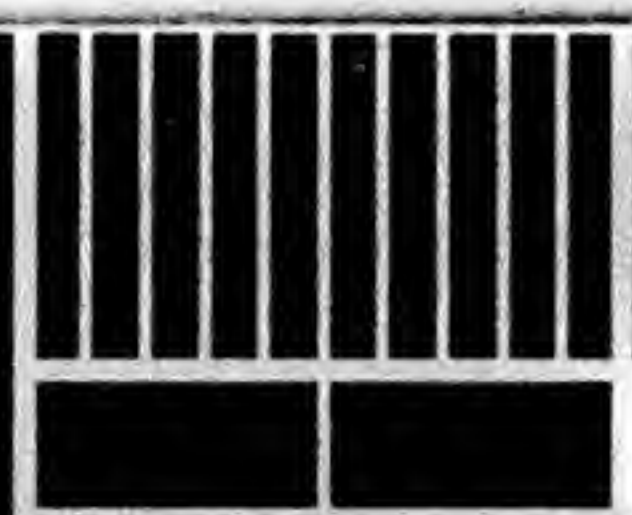
It is a tall, large-  
jointed species, with  
slender acicular  
spines. Fruit ovoid  
with a large, rather

flat umbilicus, with ~~triangular~~ <sup>areolar</sup> wrinkles  
and apparently numerous (perhaps 25-40) areolae.

Seed remarkably small.

In looking at my figure of O. strigil Dr. Weber  
thinks his plant may be the same; his  
is erect, 3-4 feet high

If he recollects right, the fruit was slender  
spined, while his dry specimen shows  
no spines. —



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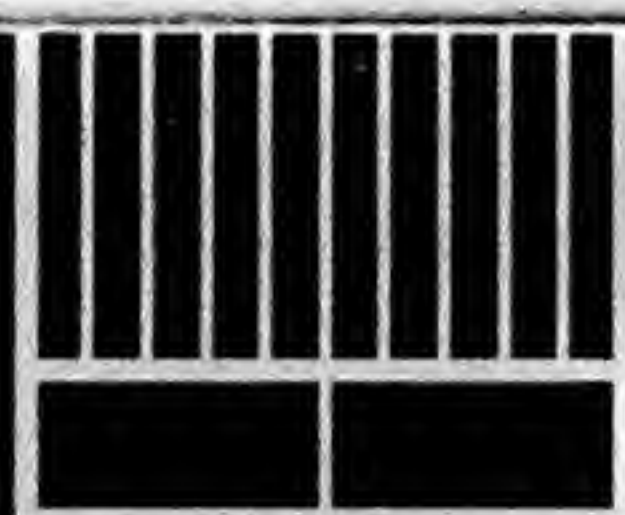


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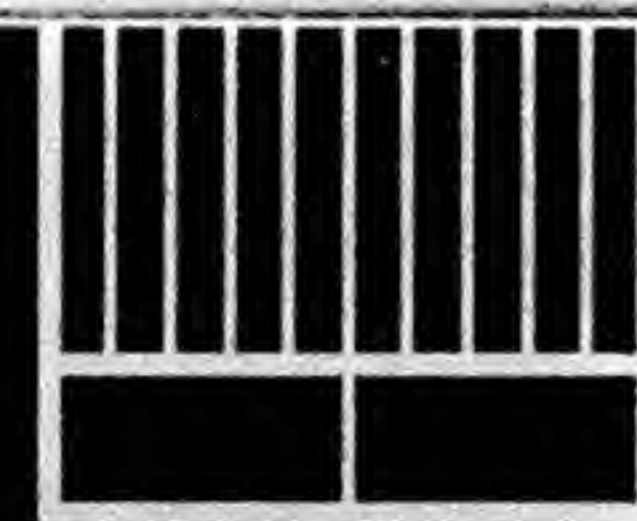
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Cacti perox, ~~dispositus~~, Canariensis is the very same plant, larger joints. Hb Hooker, Kew Aug 1857  
Op. *truncata* *Downeyana* *Clusiana*, very spring  
and tubercles seems to be the true plant  
but joints rather small (4-5 inch, fls. small, seed large, very angular



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of leaves, lateral to  
the branch?  
rarely spines in the

inflorescence, or on the fruit,

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Hb. Hooker  
Aug 1857 *Op. vulgaris* from *Tyrol* is the true plant.



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*Fern. Wright*



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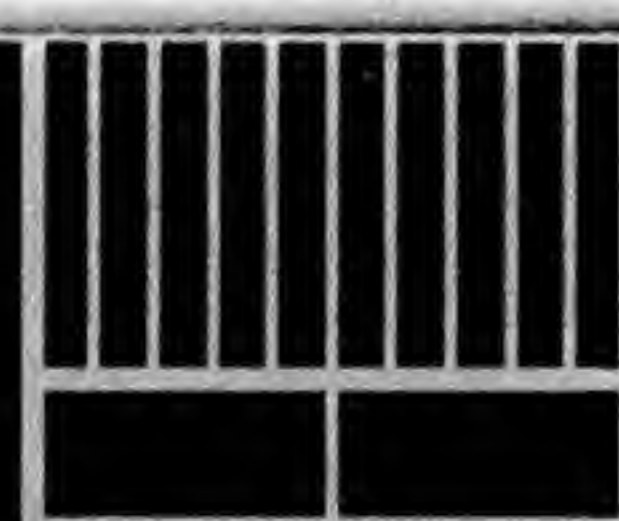


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E. Hall. Oct 30<sup>th</sup> 1870

*Opuntia cyanocephala* common in all southwestern Counties of  
Missouri; at any rate in Vernon Co, Cedar & Palk Co  
and through Bourbon into Butler etc.



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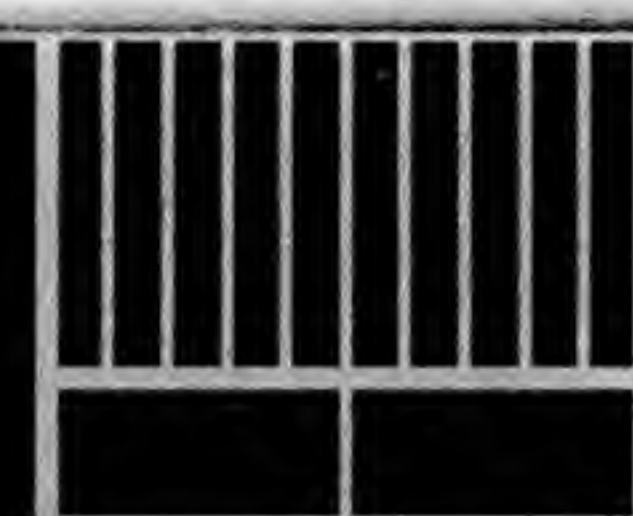


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Hort Cels Paris March 18. 1869

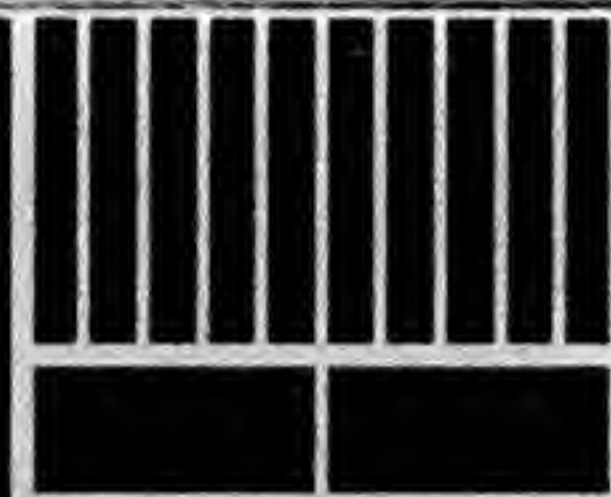
*Op. senilis* is according to Weber = *O. fulvispina*

the long wool is almost artificially produced,

by keeping the plant in the dark; in the light and in healthy robust plants it

disappears. Weber Durasnello, he

thinks, is the same plant. —



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Op. "Dillenii" very young, what I  
always took for O. Tuna

O. "Pseudotuna" seems the same  
almost without spines  
fruit identical

H. B. Kap. 13/12 68.



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*Opuntia subseriata*

Hog 3" dia  $\frac{7}{21}$   
prevalent -

8 & 5 Reihen

*O. stenoptera* - steril. arborescens, when  
the fruit is scarlet - South of Saltville

Common at Matehuala 4x8 centim

ripe - octob scarlet, nearly root-  
overd. & tubercles disappearing; pulp

purple bli



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and only firewood!

Op. shorter fr. yellowish crested,  
open perianth, but deciduous! fluff  
bark-like bud — also 20 diam  
in winter fluff

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~~Op. frutescens fl. long & fluffy  
- L. n. petals recurved; anthers  
in fruit! [cup shaped] 27~~



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Opuntia triacantha = *Tuna* = *horrida*

Hort Bot Prag July 12 1869



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Herb Hooker, Kew Aug 1857

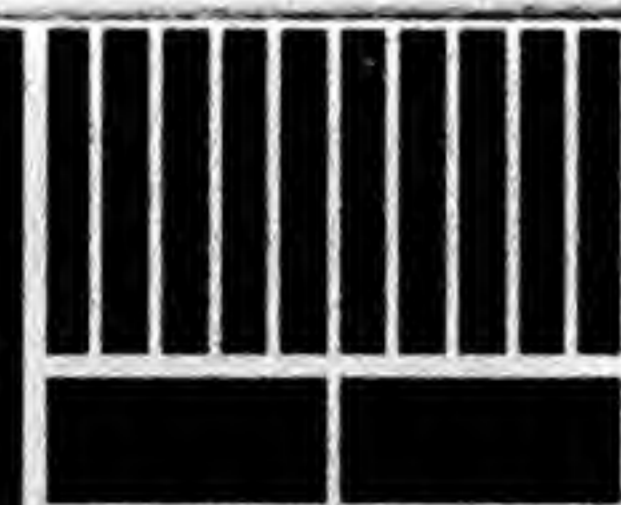
"*Cp. Ficus Judica*" long joints, spineless or spiny,  
ovary with very many (45-50) areolae with large  
puberuli and bristles — leaves petiolous, or reflexed

Herb.



Bourneau, Caracas 1239

Bourneau Espagn. 669 send the same, spineless



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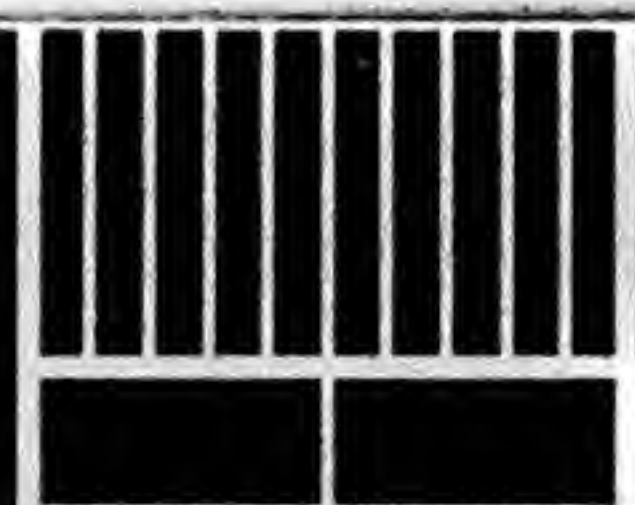


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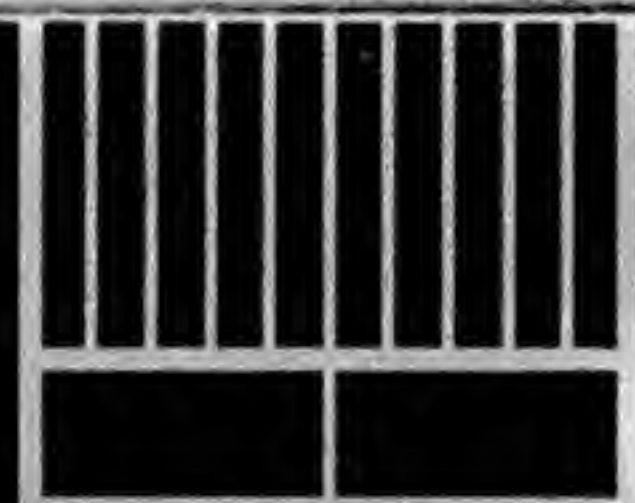
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Herb. reg. Berolin. Junii 1869

*Opuntia Brasiliensis*, Rio de Janeiro, Gaudichaud  
back of old trunk; areolae 2 inches apart,  
with 40 or 50 or more spines,  $\frac{1}{2}$  - 1 inch long

*Opuntia coccinellifera*, Malabar & Carnatic  
J. Thomson leg. (Hb. Ind. or. Hook & Th.)



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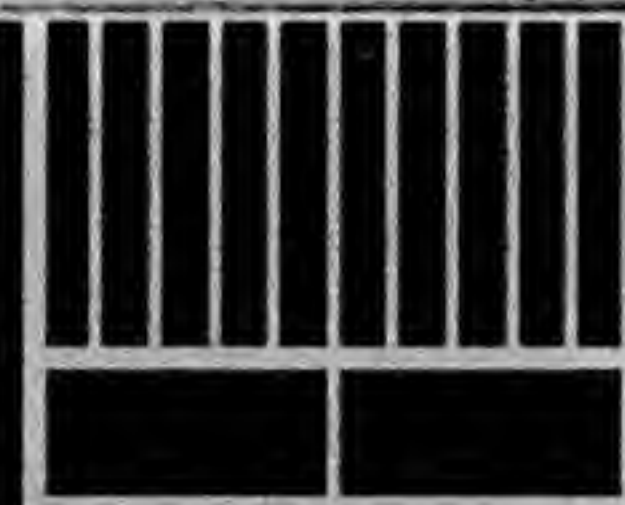


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"*Opuntia spinulifera*" H. Bot Roman Jan 18 1869  
Joints almost circular, areolae oval, close, about  
 $\frac{3}{4}$  inch apart; spines short, weak, single (or  
with a second additional one)  $\frac{1}{4}$  long, deflexed  
adpressed; lowest areolae only unarmed



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Opuntia complanata

Hort Peruvia Jun 1869

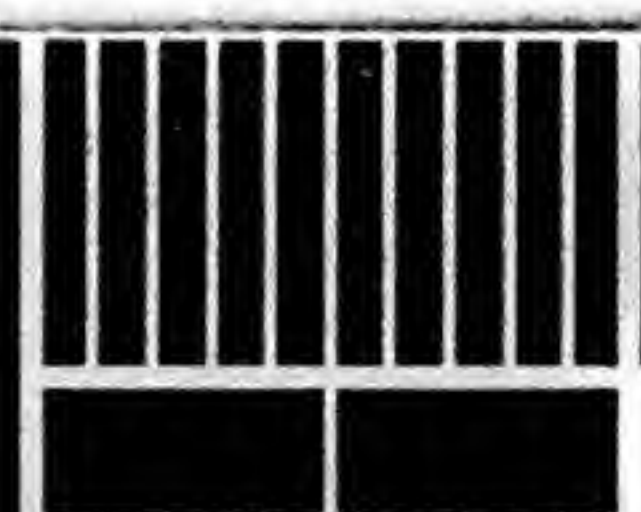
O. Todaruna peculiar! with remarkably long crowded, adpressed leaves on a very peculiar pulvina; pulvina remain visible even in older joints, though not as prominent as in young ones. No spines! or one or two short ones on old joints.

O. similis is <sup>here</sup> what I have been in habit of calling O. leucotricha.

O. tuberosus, Sala, Brasil long, somewhat continuous joints, narrow,  $1\frac{1}{2}$  - 2 inches wide; young ones distinctly but not very prominently tuberculate, tubercles on joints no spines  
[1111] leaves very small & slender,  $\frac{1}{2}$  line long  
Evidently closely allied to O. Brasilensis.

O. Cameroniana elongate thin joint, arch on prominent pulvina, bearing 2-3 spines -

O. lasiocantha Hort leaves red, rather small  
[11] elongate oblong joints, numerous acicular white spines, more slender than in Angolea (approaching it



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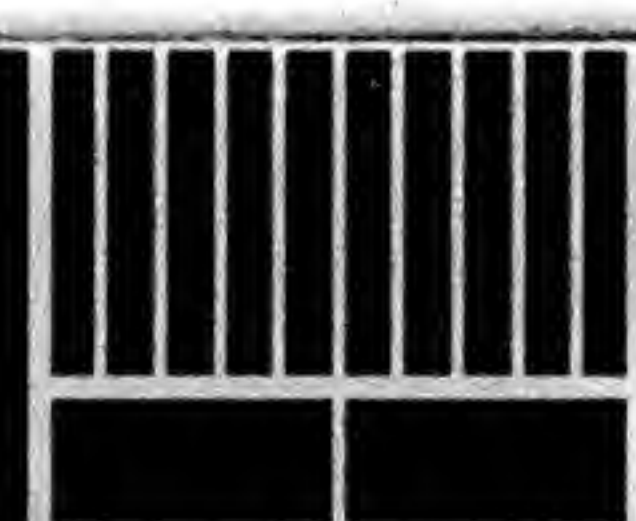
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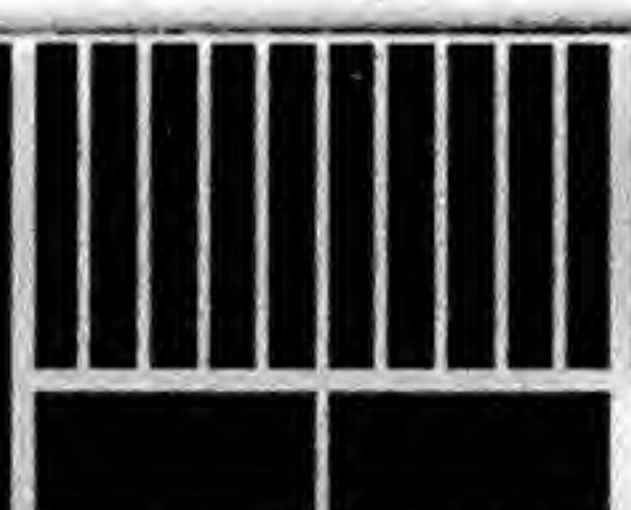


Opuntia Sabouretiana

2-5" wide, 8-12" long -

oblong, doughy joints  
oval areoles  $\frac{1}{2}$ " apart  
bristles per areole, 1 line long; leaves, slender  
spines single, white, 3" long, afterwards often more

Op. nigricans is often here, large, stout, no  
doubt same as in Antioch - spines darker  
than in any other species, stout, <sup>at least</sup> numerous,  
often regular - very distinct from O. Tuna.  
leaves short: D D      Bristles short even  
on old joints. -



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Opuntia (datae) complanatae

Herb Bot Desol July 1849

Opuntia oligantha H. Vahl. art. c. oblongi areol  $\frac{3}{4}$  - 1" dist.  
areol 2-5 plerumque setae 2-3-6" long.

Opuntia Ottonis S. = O. monacantha.

Opuntia elata HBK. fresh deep green, like monacantha;  
thin; no or very few spines;  $\sigma$   $\rho$  leaves  
short. Is it a monacantha incerta?  
O. monacantha correct

Op. stricta Haw  $\rho$  very short thick leaves, oval areol.  
oblaucolate joints; no spines, very short  
bristles.

Op. spinulifera S. narrow oblong, 9" joints  
 $\rho$  slender leaves; young orbicular areolae  
with 1-2 short white spines, older ones  
with 5-10 or more spines 3-9 lines long

H. Engelmanni Hort Panorm is wrong.

O. streptacantha H. Petrop similar to O. polyantha  
and most probably same thing.

O. Missouriensis is the same as even with flowers

O. Tuna is the long bristled stout spined fellow,  
named "Dillenii" & "horrida" - Napley



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Opuntia complanata

Hort Berol: Jun 1869

O. Maxima Mill joints <sup>obovate</sup> orbicular, young ones glaucous  
older ones green, spines few white - appears  
same as Pedunculata and others seen at Repler.  
bristles at first very short, on old parts longer

O. Karwinskiana  long narrowed leaves;  
joints oblong, oblanceolate, somewhat glaucous,  
then green; white slender acicular spines  
2-3, 1/2 - 1 inch long, at last large bunches,  
of 10-20 joint 8 x 2 1/2 inches.

O. megarantha Salis joints 1 inch or <sup>(above)</sup> more thick,  
4 x 7 ribs, obovate, areolae close 1" or less;  
spines acicular, white, few.

O. albicaus Salis glaucous, from the first very bristly,  
a young plant. - older joints with longer  
pearlletts pale yellow bristles.

O. fulvispina Salis joints small, 2 x 3" -  
with long brown bristles, & short thick leavy

O. elongata thick long <sup>narrower</sup> spines joints,  
apparently much like O. corniculata.



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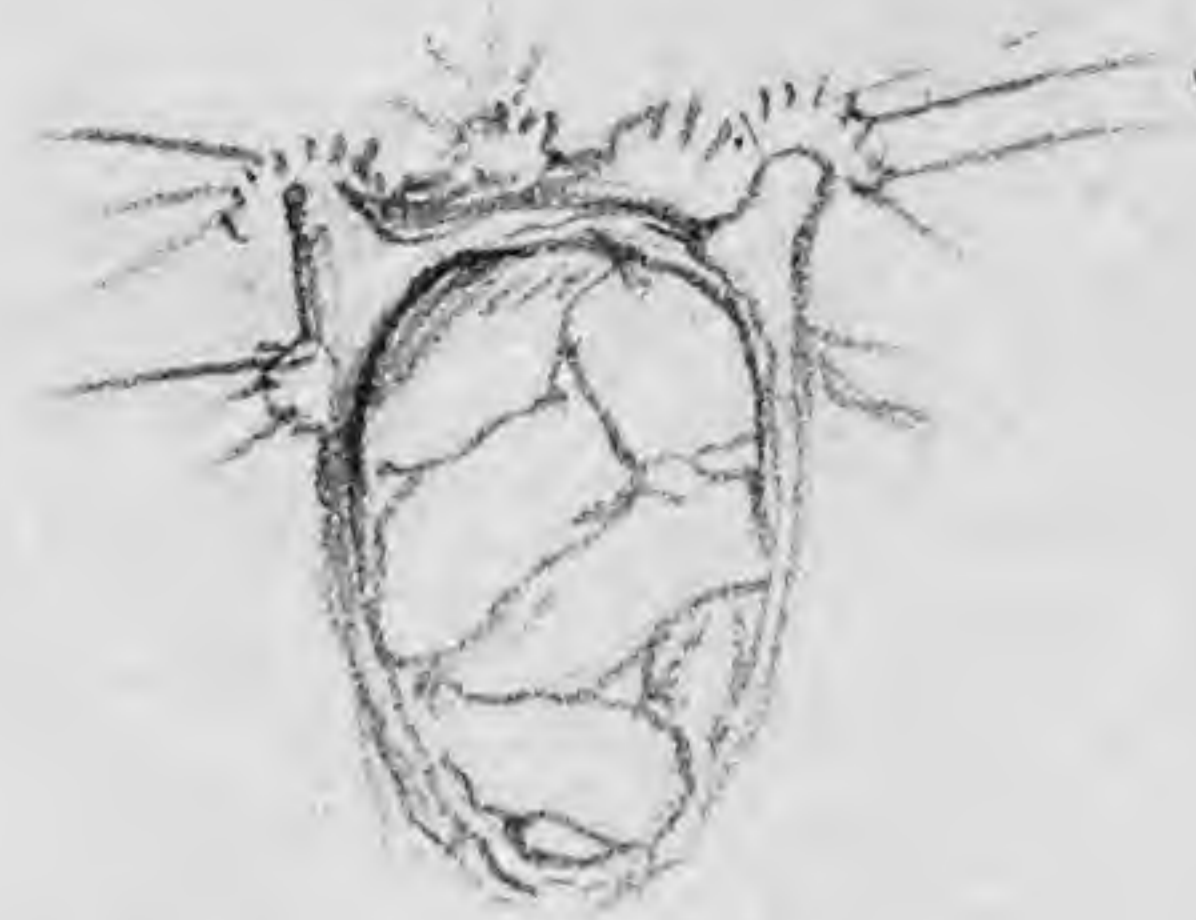
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*Opuntia brachyarthra*?

Sept 16 1871

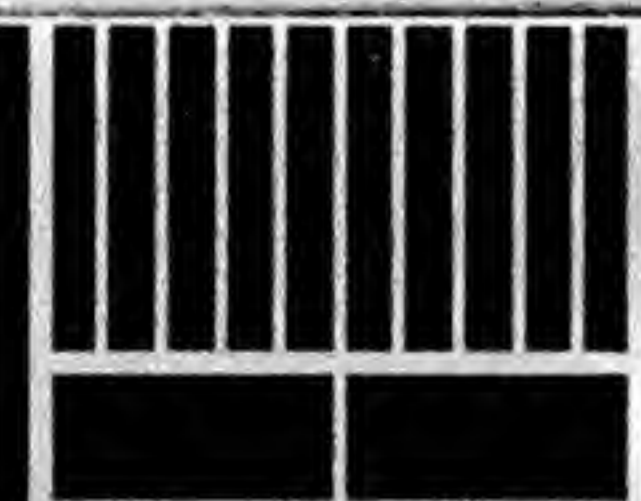
Colorado, Greene



Berry dry, 5 or 6 lines long  
lower part naked, upper part and  
margin beset with 11-13 areolae, large  
prominent, white-tomentose, bearing a  
few white spinules, 1-2 1/2 lines long  
umbelliform quite shallow  
from 6-12 very irregular  
Grain abundant seeds, 2 1/2 - 3 lines  
Diameter  
very much like those of *O. missouriensis*

In cultivation it seems to be

*O. fragilis* Oct 1872



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"Op. vulgaris"

May 1871

*O. Rafinesquina*

Leggett's

for Westchester  
Co N York



about 5 very small  
areoles on fruit  
and 7 or 8 on upper  
margin

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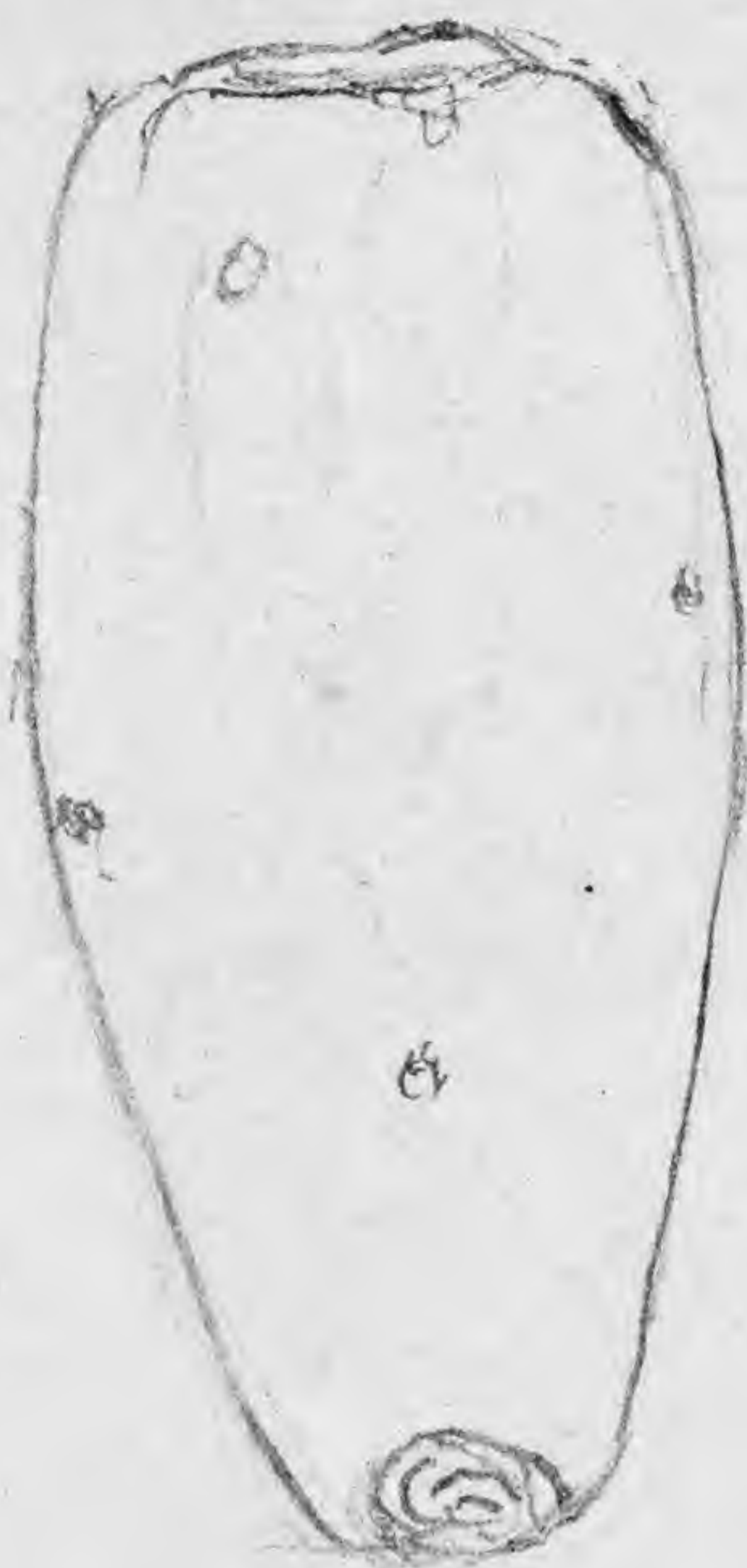
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*Opuntia velutina*

April 30 1871

Bluffton S. Carol. Dr Mellicamp April 1871



fruit exactly like that of *O. Rafinesquii*  
purplish brown, with purple flesh and  
sparing glutinous pulp

7-8 areolae on fruit  
and about 5 on edge



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