Missouri Botanical Garden
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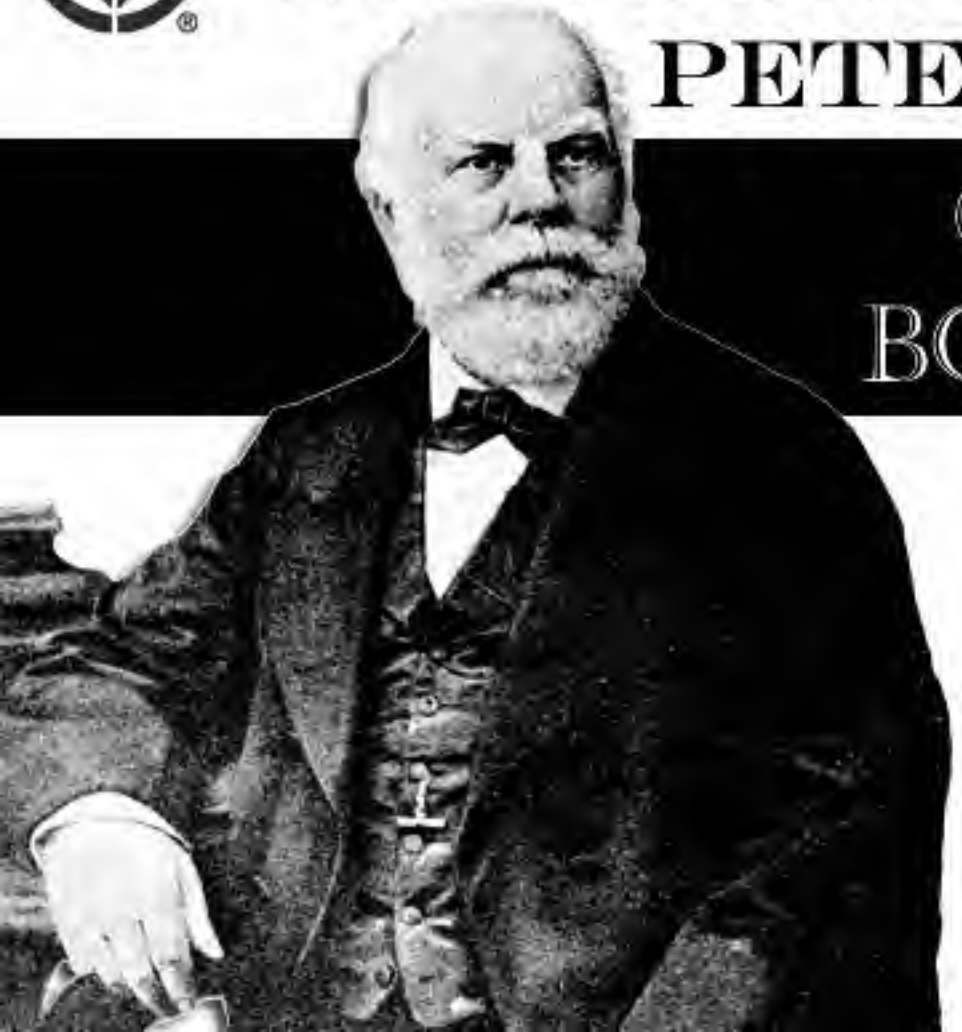

Pagination Note:
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Jeffrey

Bolander collected in July 1866 a form of ponderosa on Mount Raymond, Mariposa Grove, 8-9000 feet alt. which has leaves only 4-6 inches long, young cones intermediate in size, but remarkable for the recurved appendages or tubercles (all that is seen of the young scale,) ridged above

Male fl. also short

3-4 series of stamens on each side above, 8 on the convex side below

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wood sap pitchy.

Jeffrey fever stomata

pinus Coulteri permit 3 years

pinus rams. & Jeff. 1 3/4 – pond. 10" basis 1 inch

Jeffrey above 5000' especially eastern slope

oft – very dry soil

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1914 Pinus Jeffreyi Brewer writes. July 20 1863 near Humboldt River

Common on east slope. Trees 4–6 feet diam, not so high or slender than P. ponderosa. Leaves 5–8 inches long, young shoots nearly 1 inch on old ones ½ inch

Bark darker, rougher and not cleaving in such large plates as P. ponderosa and on Mondoka was larger

Cones off 12 inches long V, about 2 or 3 together, at nearly right angles

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, The baby's navel
worse this
feel somewhat
out it & therefore
to have you
see her, as I
better satisfied.
Respectfully
Mrs. A. H. Meyer

19

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The systematic botanist is at a loss to whom to refer as the author of this as well as other
P. Balfour ~~P. Murray~~
California Conifers. the name appears first in a
~~manuscript~~ Oregon sheet, the Oregon Committee Report, which
was distributed to subscribers to gether with the seeds
of Jeffrey's collections. In the Edinb. new philos
Journal, some of the species were reproduced taken
up upon the authority of the "Oregon Committee"
the first work on Conifers which seems to have
?copied the descriptions Carrière; 1855 Balfour quotes
for Jeffrey:
Lawson's Catalogue. Gordon 1858 gives Balfour
as authority and ~~De Candolle~~ Parlatore 1868
quotes Murray. Who is right?

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Yours Respectfully
Chas Hayle

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Arrangement of Cones on the limbs. I think neither variety presents declined cones as you represented, & as in the other species.

Yellow & Black } Glaucous. } Sierra Valley, Cal. Nov. 31, '98
Horizontal. Inclined.

Benthamiana Jeffreyi

Recd April 7/14

My dear Dr.

Herewith is another lot of fine specimens, principally bark, and berries.

I have tried to find permanent characters in the varieties of ponderosa with varying results. No 1. is bark from a tree of the glaucous-leaved form, about 3 ft in dia, bears heavily on alternate years, large cones, always with recurved mucros to the scales. This tree and its neighbors have a reddish appearance & are quite symmetrical in limbs, young cones large 1 1/4 inches long, with recurved mucro. timber generally pitchy. When the tree stands alone like the others of the species the bark is thin, (as I reported before,) but in the forest it is the thickest of any var.; cracked in seams somewhat longitudinal. The saplings of this var. present a widely different appearance from the others. The bark remains white and unbroken like the Lambertiana, and covered with the glaucous powder, until the stem reaches considerable size 6 to 7 inches.

No 2. Bark of the black or swamp pine. (often very pitchy.)
" 3 " " " yellow " pitch " with fewer sap-wood rings.

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Different as these specimens appear and the trees from which they are taken yet the young trees, the limbs leaves, & cones are identical. The black, deeply & numerously cracked bark of the first can be seen in all stages approaching the second. Extreme forms of the latter have the bark broken into large flat sections relatively thin and smooth caused by the scaling off & wasting of the outer grains. Cones of both of these forms present variable scales ~~and~~ directions to the mucro. Generally all the cones spurs of one tree will be curved one way, but which way seems to be variable. Also the pustulate base of the spur varies in size. The leaf arrangement is slightly irregular. From all which I conclude that No 2 & 3 of this sending, the yellow & the swamp pines of former discussions, shade into each other inextricably.

Not so with the glaucous-leaved var. I wish I had time to investigate & report upon ~~interview~~ this subject further.

The trees are not abundant, scattered here & there generally in groves, readily distinguished (here at least) at all ages.

But I remember that around Zahoe with Hooker & Gray the distinctions faded out.

No 4 is a half-cone of the glaucous pine.

" 5 & 5(a) Cones of the black or swamp pine (No 2), one of the white-barked, yellow-timbered, most abundant pine, No 3. Different as are these cones I've often found their characters reversed. The young cones are small 1/4 to an inch long.

Have been sick and my thoughts & discernment are not clear. Commence my summer travels to-morrow.

Yours respectfully J. G. Lemmon.

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1. Lobb. 1857 Califor. tree 200' st. m. all: 1. 4-8000, marked HG Kew Sept 6 1869

P. Benthamiana. leaves 15 cent long, shoots fully 2 ft long at last almost entirely disappearing, only 5 lin long — immature P. Benthamiana .3 cent long

California, Beardsley = P. Beardsleyi Murr: new Ed Phil Jo. 1855 p. 286 is a slendly grown branch of ponderosa, leaves 15-20 cent long — : another specimen over 25 long, young shoots 2', 2½' at last only 1 cent long.

P. ponderosa Lyall, Dalles: longleaved, stout plant, with typical cone.

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Pin Bentham's Hooker's Journal
in Journ Bot Lon. II (1847) 189

Mountains of Santa Cruz: Cones 11" long
in 3rd, longer than the cones; these are 5½"
long by 2½", centre of scale terminating in
a small sharp point bent downward,

Tree 100', diam 3-4'; cones
in clusters of 3 or 4 —

I name it in honour of G. Bentham Esq

found 2 or 3 specimens of it last summer on a field still in its wild condition, but they were near a house. I shall let you know at once, if I see it again.

Yours truly

W. Sukesdorf

White Salmon, Wash. Terr.

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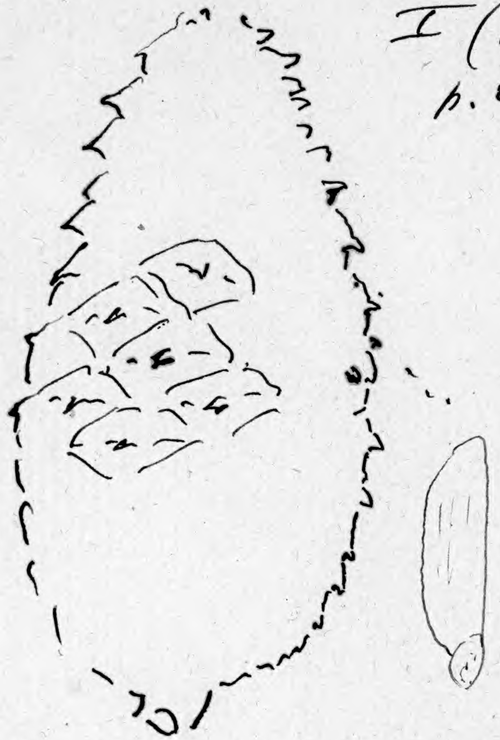
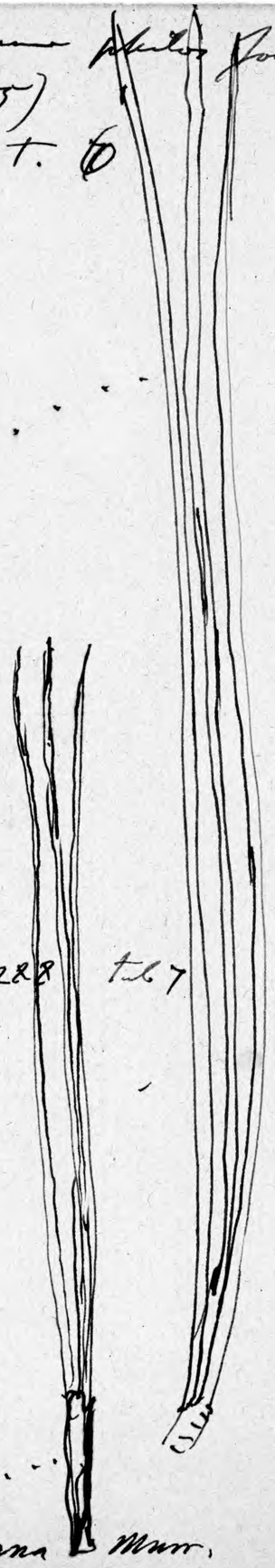
Edinb. new Philos Journ
I (1855)
p. exb t. 6

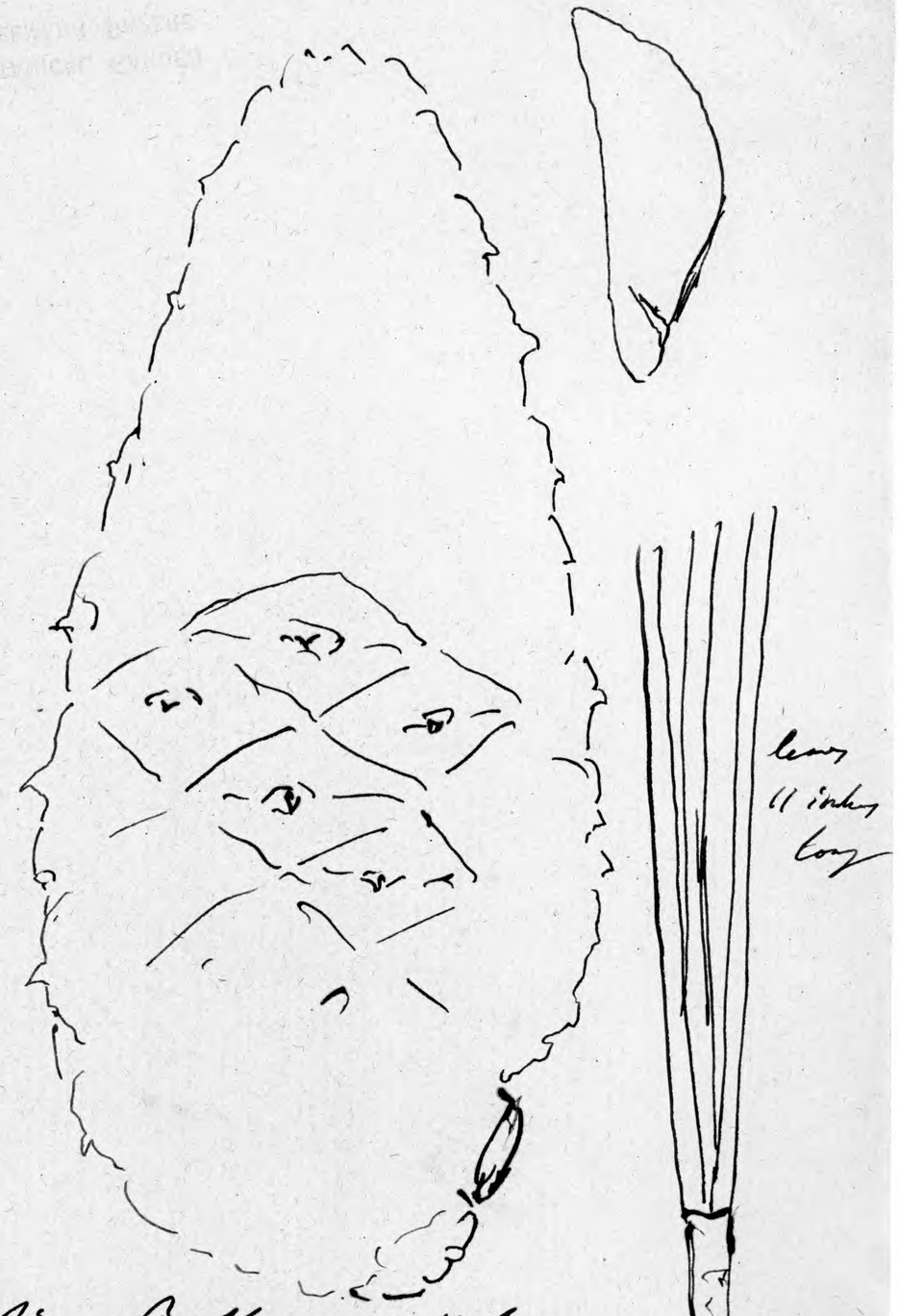


Pin Beardsleyi Murr.

pg 228 tab 7

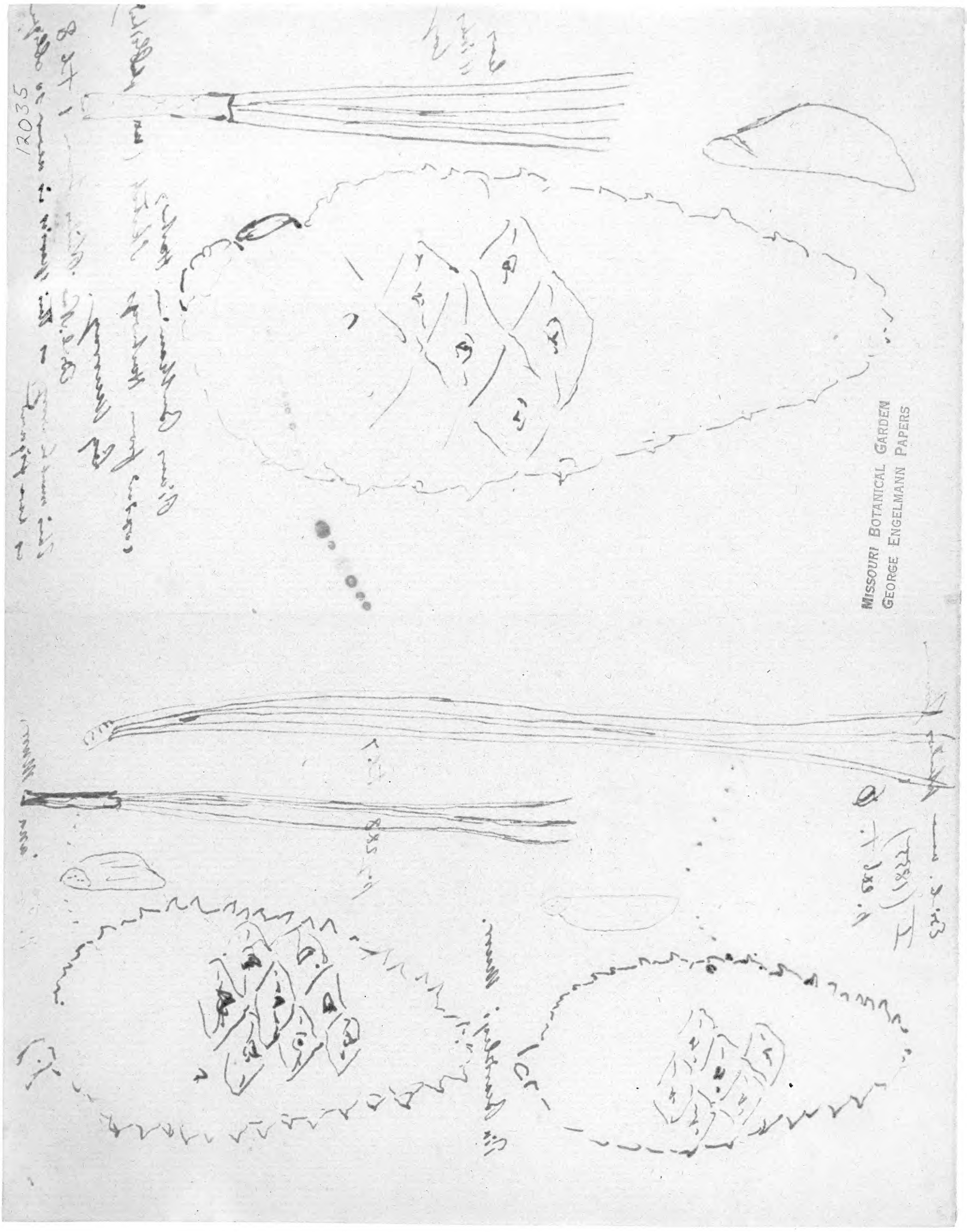


P. Craigiana Murr.



leaves 11 inches long

Pinus Burkhamii Harbs
copied from Harbaugh's Sketch (not published by Murray.
Edinb. New Philos Journ 1 tab 8
This must be wrong, as this species is never so oblique as here figured



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8

P. ponderosa

1147-79

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GEO. ENGELMAN, M. D.
Office & Residence; 3003 Locust St.

P. ponderosa

Brewer: very tall near 300', plates of bark enormously large 12-20 inches broad. Up the Sierras they are smaller, more branched, plates of bark less large, fissures deeper, cones larger: Jeffrey: — This is the prevailing form east of the Sierras (Lake Tahoe) the keels are rounder head.

Bolander On both sides of the Sierra coast range and near the coast! wider distributed than any other conifer. On all the higher points of the coast ranges — northward (Eel-river) also in the plain

Brewer 1914 Jeffrey 4-6' diam — not so high and slender as ponderosa, bark rougher cones at right angles after 1 foot long

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MACDONALD & CO.

PER MARE PER TERRAS

PRESCRIPTION DRUGGISTS,

3005 OLIVE STREET,

West Garrison Avenue, ST. LOUIS.

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Pinus ponderosa var. Jeffreyi?

West side of Sierra Valley, 4300 feet high.
California

J. G. Lemmon Jan 1879.

bearing specimens from the top of a robust tree, on the edge of the forest 75 feet high, 3 feet diam. limbs very symmetrical, in whorls. Bark thin broken into small sections by shallow cracks

A very symmetrical, heavily foliaged tree, often perfectly conical. Trees 150 – 200 feet high.

bark blackish, finely broken, sections 3 – 8 inches long and half as wide; timber little prized: called "Black" or "swamp", or "Bull" or Pitch Pine. — [Some confusion?] Black scaled twigs. Cones medium stalked pitchy, dark, brittle – hard to split.

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Die Verlobung ihrer Tochter JOHANNA mit dem Königlichen Geheimen Ober-Finanzrath Herrn OTTO HOFFMANN beehren sich ergebenst anzuzeigen

der Kammergerichts-Rath

Schütte und Frau.

Berlin, den 14. Juni 1873.

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