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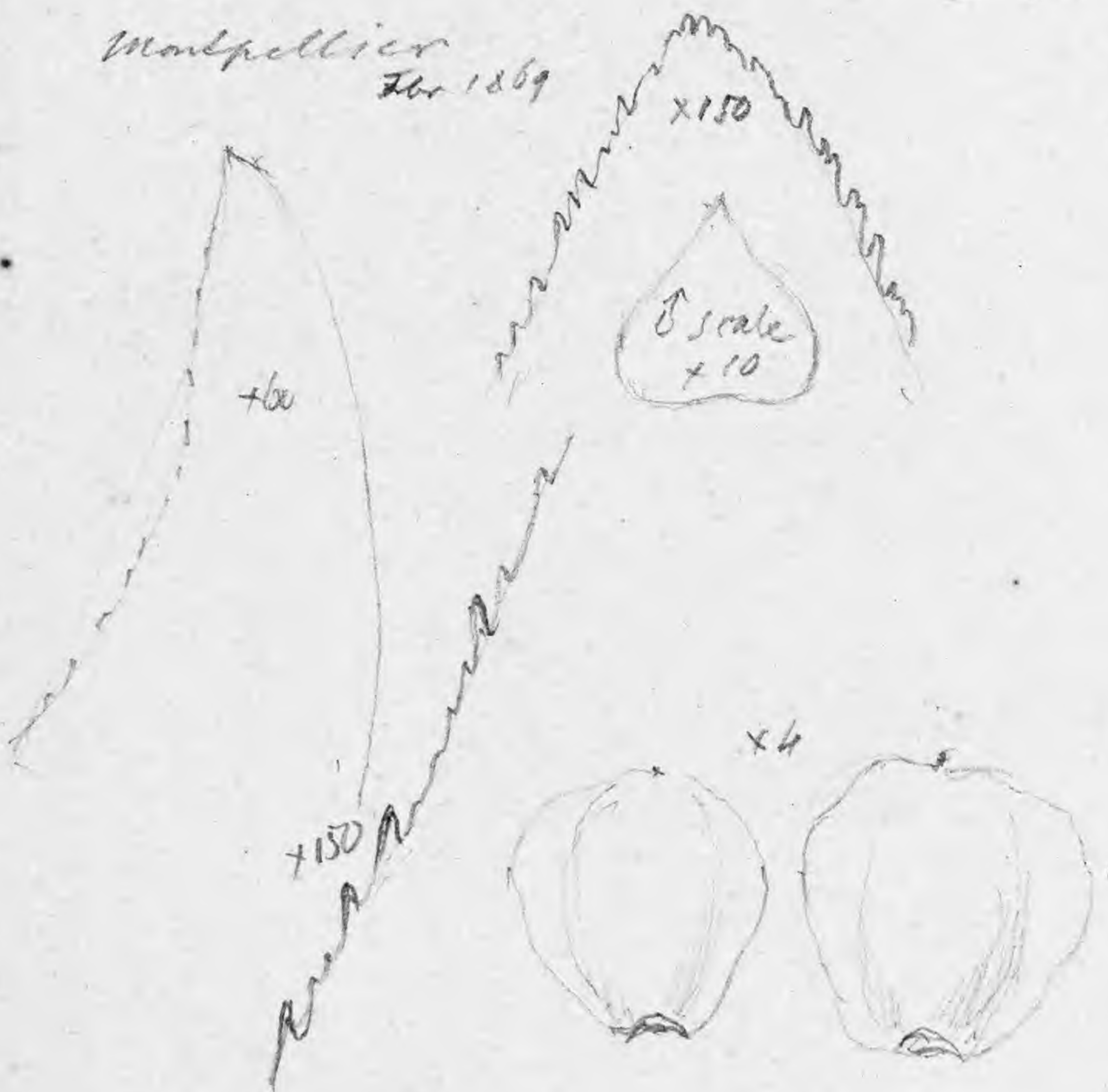
*Pagination Note:*

*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.*

*Cupressus elegans*  
= *Lindleyi*

Nov 24 1881

Montpellier  
Feb 1869



but antherscale very acute  
cones 5-6 lines diam. glaucous, 6 scales (alt)

Villa Florida is exactly the same  
Dec. 1868, Naples



0 1 2 3 4 5 6 7 8 9 10

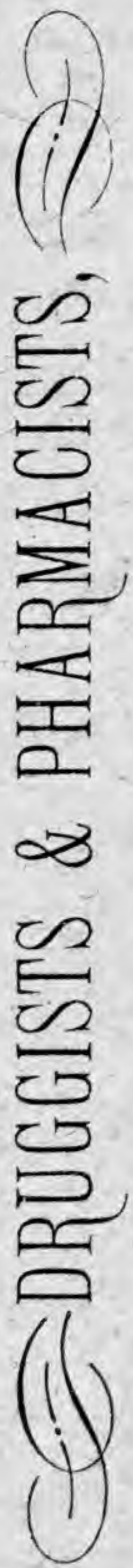
cm

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MISSOURI  
BOTANICAL  
GARDEN

H. W. BARKHOEFFER & CO.,



DRUGGISTS & PHARMACISTS,

No. 2934 Olive Street, S. E. Corner Garrison Avenue,

ST. LOUIS, MO.

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10858.



0 1 2 3 4 5 6 7 8 9 10

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*Cyper. Thurifera*

8

Com

*Aloe arborescens* Mill.

*atrovirens* DC.

*attenuata* Haw.

*brachyphylla* S. Dyck.

*coarctata* R. S.

*distans* Haw.

*disticha* L.

*echinata* Willd.

*elongata* S. D.

*ensifolia* Schult.

*excavata* Willd.

*havispina* Haw.

*hamburyana* Ndn.

*Haworthii* H. Neap.

*hybrida* S. D.

*latifolia* Schult.

*macrocarpa* Tod.

*mitraeformis* Willd.

*mucronata* R. S.

*multifaria* R. S.

*nigricans* Haw.

*obscura* Mill.

*paniculata* Jacq.

*parva* R. S.

*planifolia* R. S.

*pluripunctata* Schult.

*prolifera* Haw.

*Reinwardtii* S. D.

*retusa* L.

seeds? 2 lines  
broad wing  
(Pursh)

*Asphodelus tenuifolius* Cav.

*Bellevalia appendiculata* Lap.

*ciliata* N. ab E.

*dubia* Kth.

*romana* Kth.

*webbiana* Parl.

*Botryanthus albo-virens* Tod.

*atlanticus* Coss.

*commutatus* Kth.

—*var.* *latifolius*

*Heldreichii* Jord.

*neglectus* Guss.

*odorus* Kth.

*racemosus* Kth.

—*var.* *cylicicus*

*Sartori* Tod.

*Brodiaea grandiflora* Smth.

*Bulbine annua* Willd.

*frutescens* Willd.

*semibarbata* Spr.

*Calliphoa flava* Lindl.

*Caruelia arabica* Parl.

*Dasylirium acrotrichum* Zucc.

*Drymopsis maculata* Hort.

*Endymion campanulatus* Dmrt.

*cernuus* Dmrt.

*nutans* Dmrt.

*patulus* Dmrt.

*Eucomis punctata* L'Herit.

a tree (Pursh)

arbor procerina Humboldt

*Ornithogalum atticum* Orph.

*byzantinum* Strgw.

*caudatum* Ait.

*contortum* Tenor.

*excipium* Tin.

*Gussonei* Ten.

*lacteum* Jacq.

*longibracteatum* Jacq.

*minus* L.

*nanum* Sbth.

*narbonense* L.

*neglectum* Parl.

*paterfamilias* Gren.

*sabaudum* Hgn.

*tenuifolium* Guss.

*thyrsoides* Jacq.

*Peribaea corymbosa* Kth.

*Phalangium nepalense* Lindl.

*Polyanthes tuberosa* L.

*Scilla algeriensis* Hort.

*autumnalis* L.

*bifolia* L.

*Clusii* Parl.

—*var.* *albiflora*

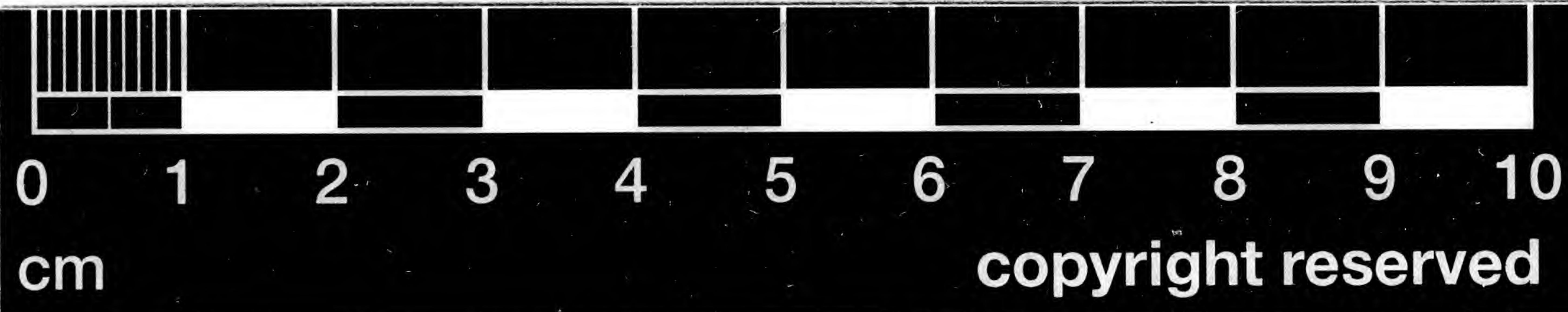
*cupaniana* Guss.

*elongata* Parl.

*Filangeri* Tin.

*gallica* Tod.

*intermedia* Guss.



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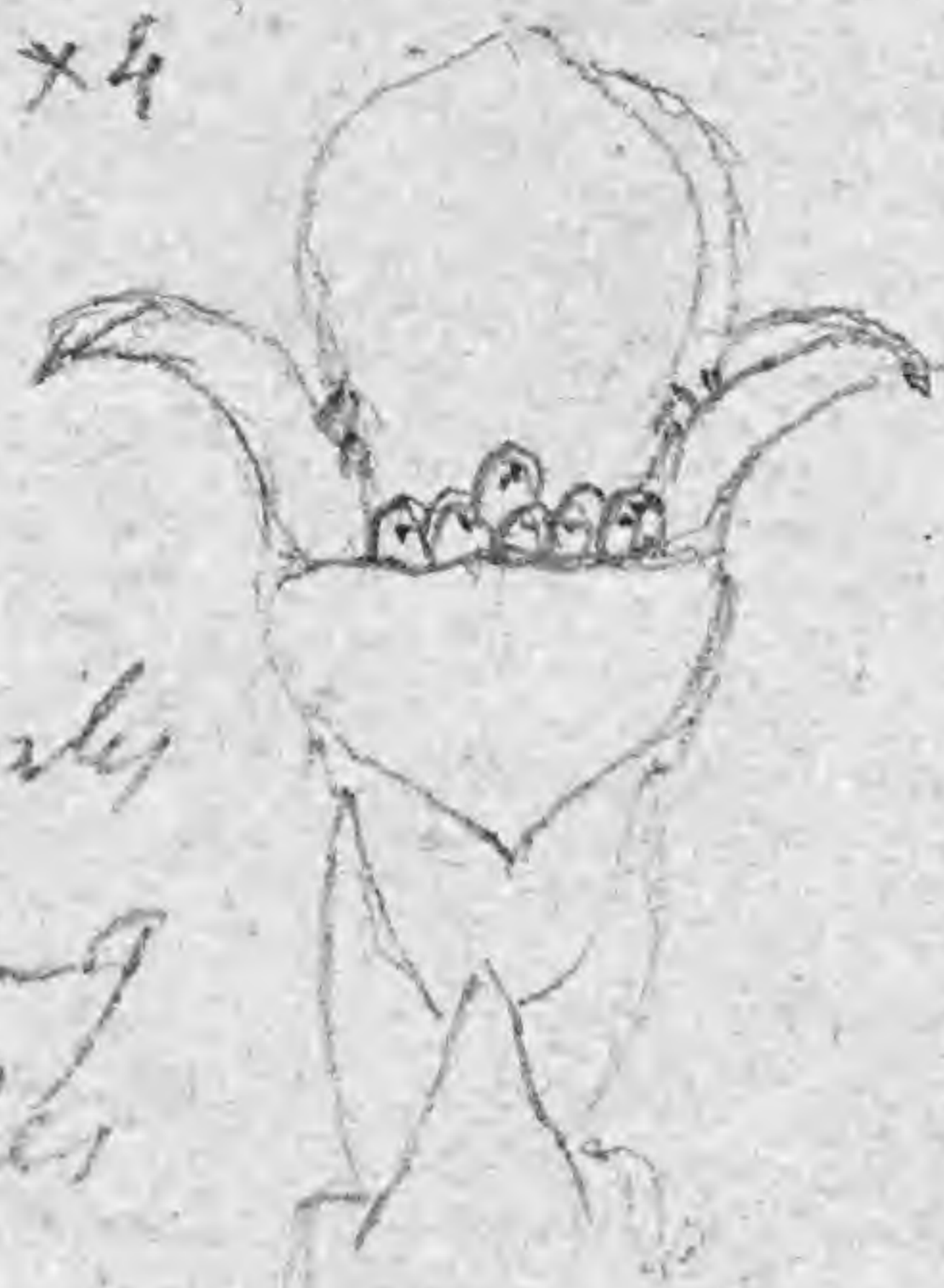
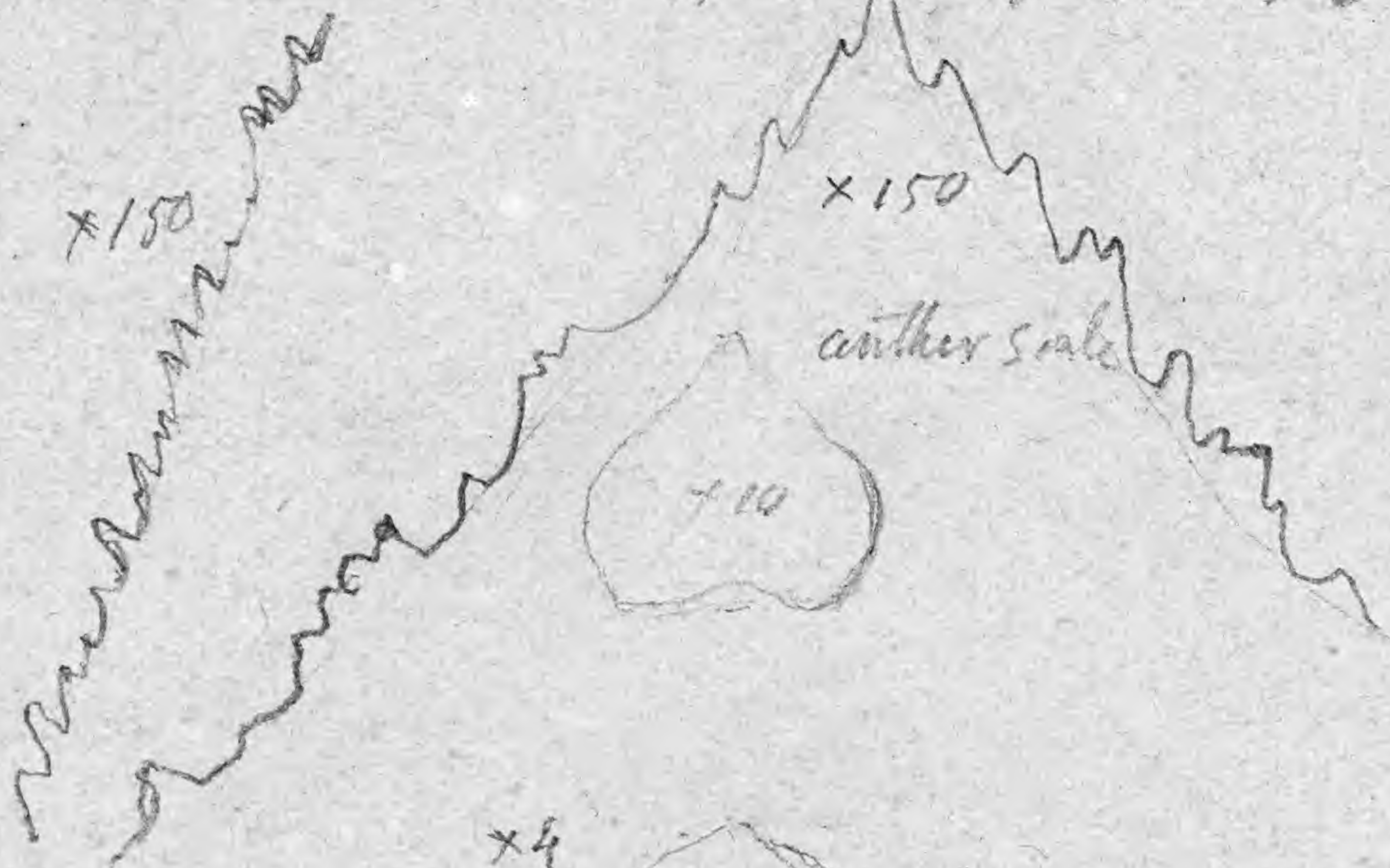
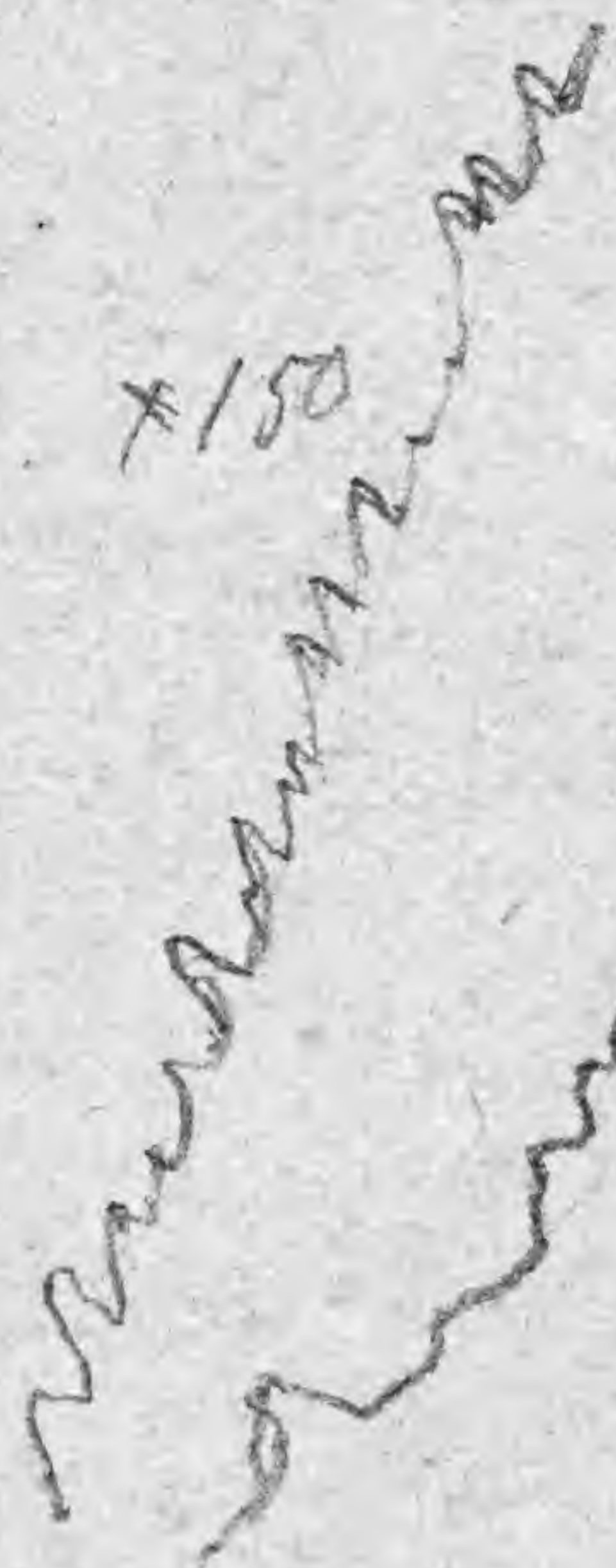
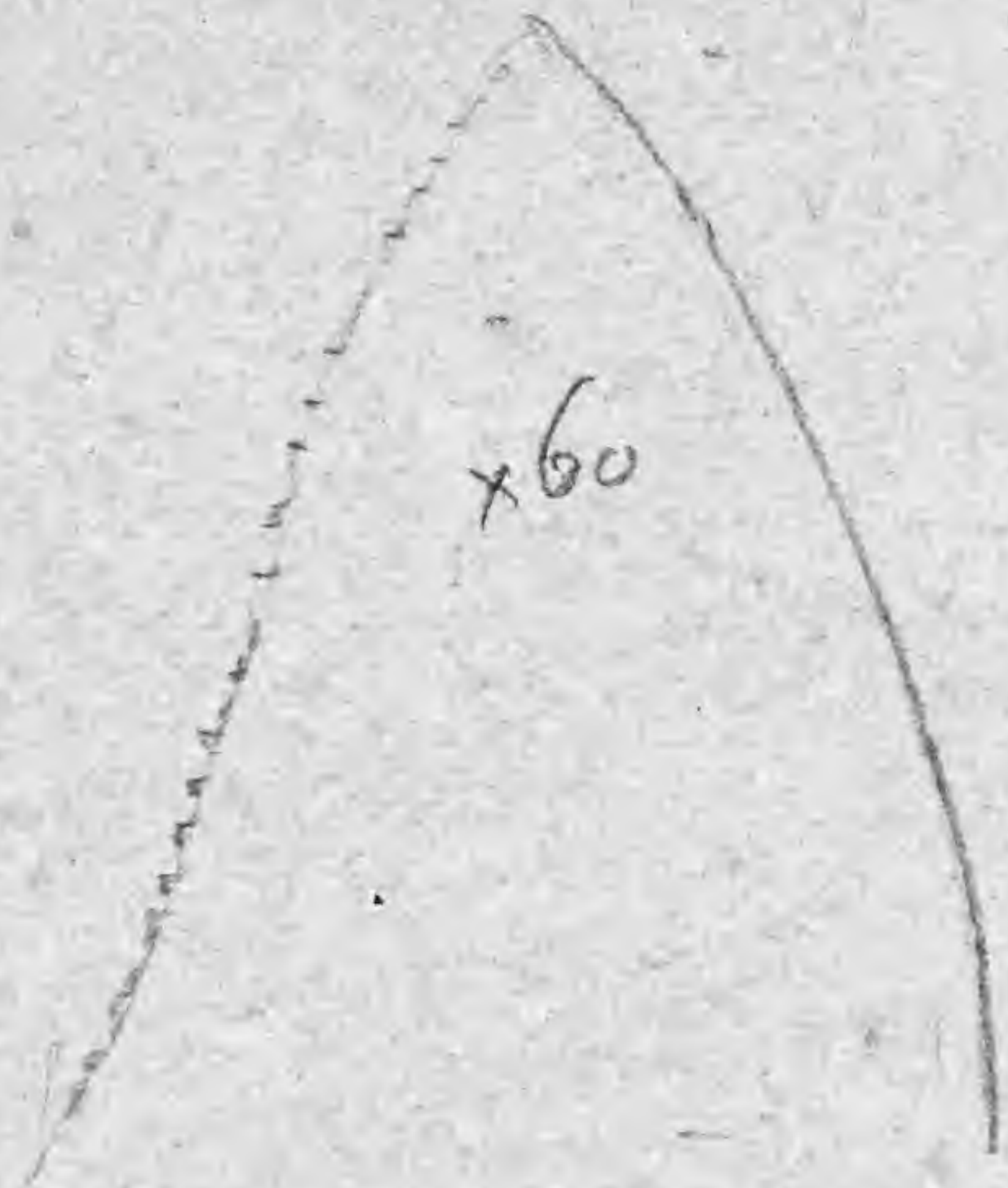
MISSOURI BOTANICAL GARDEN

- Sparaxis bulbifera Ker.  
 —*plur. var.*  
 grandiflora Ker.  
 —*plur. var.*  
 tricolor Ker.  
 —*plur. var.*  
 Thelysia persica Parl.  
 Tritonia crocata Ker.  
 —*plur. var.*  
 deusta Gawl.  
 —*plur. var.*  
 fenestrata Ker.  
 —*plur. var.*  
 lineata Ker.  
 miniata Gawl.  
 —*plur. var.*  
 squallida Ker.  
 Xyphium acutum Molin.  
 aequilobum Led.  
 hexuosum Murr.  
 foetidissimum Parl.  
 glaucescens Bung.  
 gramineum L.  
 halophyllum Pall.
- Juncus Angelisii Ten.  
 articulatus L.  
 balticus Willd.  
 bufonius L.  
 capillaceus Lam.  
 Chamissonii Kth.  
 communis Mey.  
 —*var. conglomeratus*  
 —*var. effusus*  
 compressus Jacq.  
 fistulosus Guss.  
 Gerardi Lois.  
 glaucus Ehr.  
 lamprocarpus Ehr.  
 maritimus Smth.  
 multiflorus Desf.  
 nodosus L.  
 —*var. megacephalus*  
 pallidus R. Br.  
 paniculatus R. Br.  
 platycaulis H. B.  
 prismatocarpus R. Br.  
 sylvaticus Reich.
- Allium descendens L.  
 Deseglisei Bor.  
 flavescens Poepp.  
 flavum L.  
 flexifolium Jord.  
 foliosum Fisch.  
 fuscum R. S.  
 glaucum Schrad.  
 globosum Bbrst.  
 hallerianum Don.  
 hymenophysum Led.  
 inodorum Ait.  
 longispatham Red.  
 lusitanicum Lam.  
 Moly L.  
 moschatum L.  
 neapolitanum Cyr.  
 neglectum Wender.  
 nigrum L.  
 —*var. albiflorum*  
 nutans L.  
 ochroleucum W. et K.  
 oleraceum L.  
 schiaseordon Don.

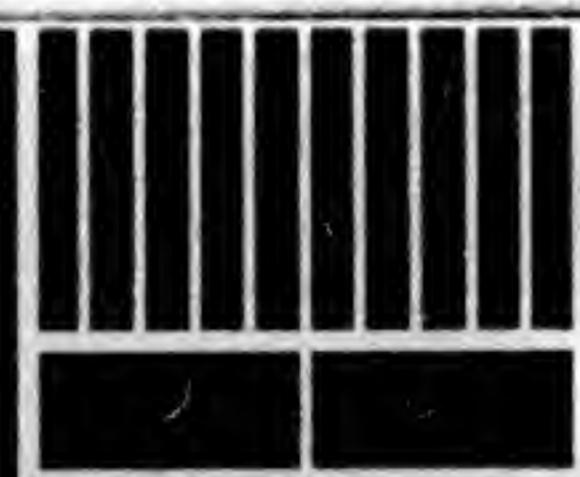


"Cupressus thurifera"  
Hort Montpellier 1/3 1869

Dec 2 1881



6 fertile scales  
each with 7-9  
ovules



0 1 2 3 4 5 6 7 8 9 10

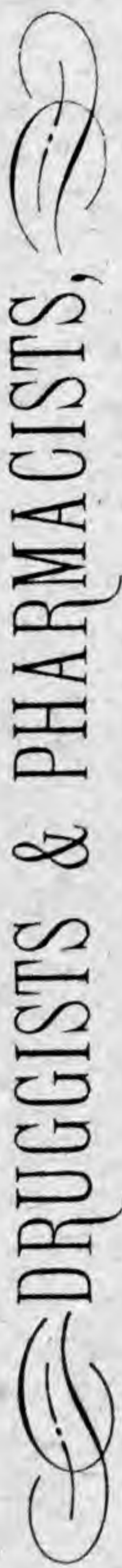
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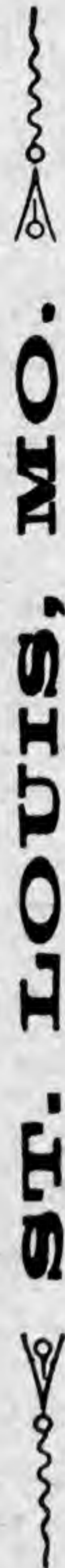
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*Cupressus Thunbergii*

Nov 25 1881

Hort Montpellier, Marsh 1869

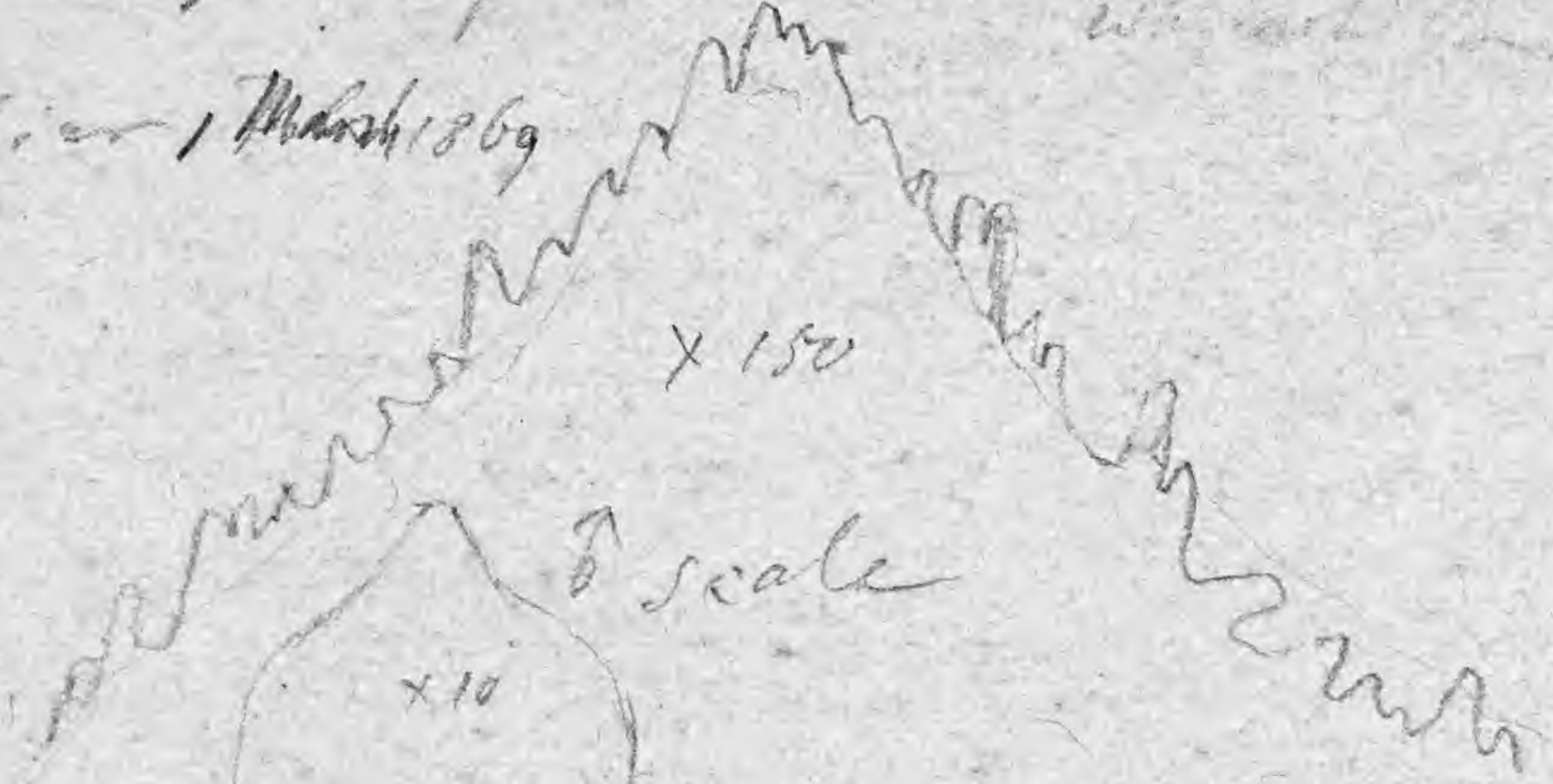
at Montpellier?



leaf x60



x150



x150

♂ scale

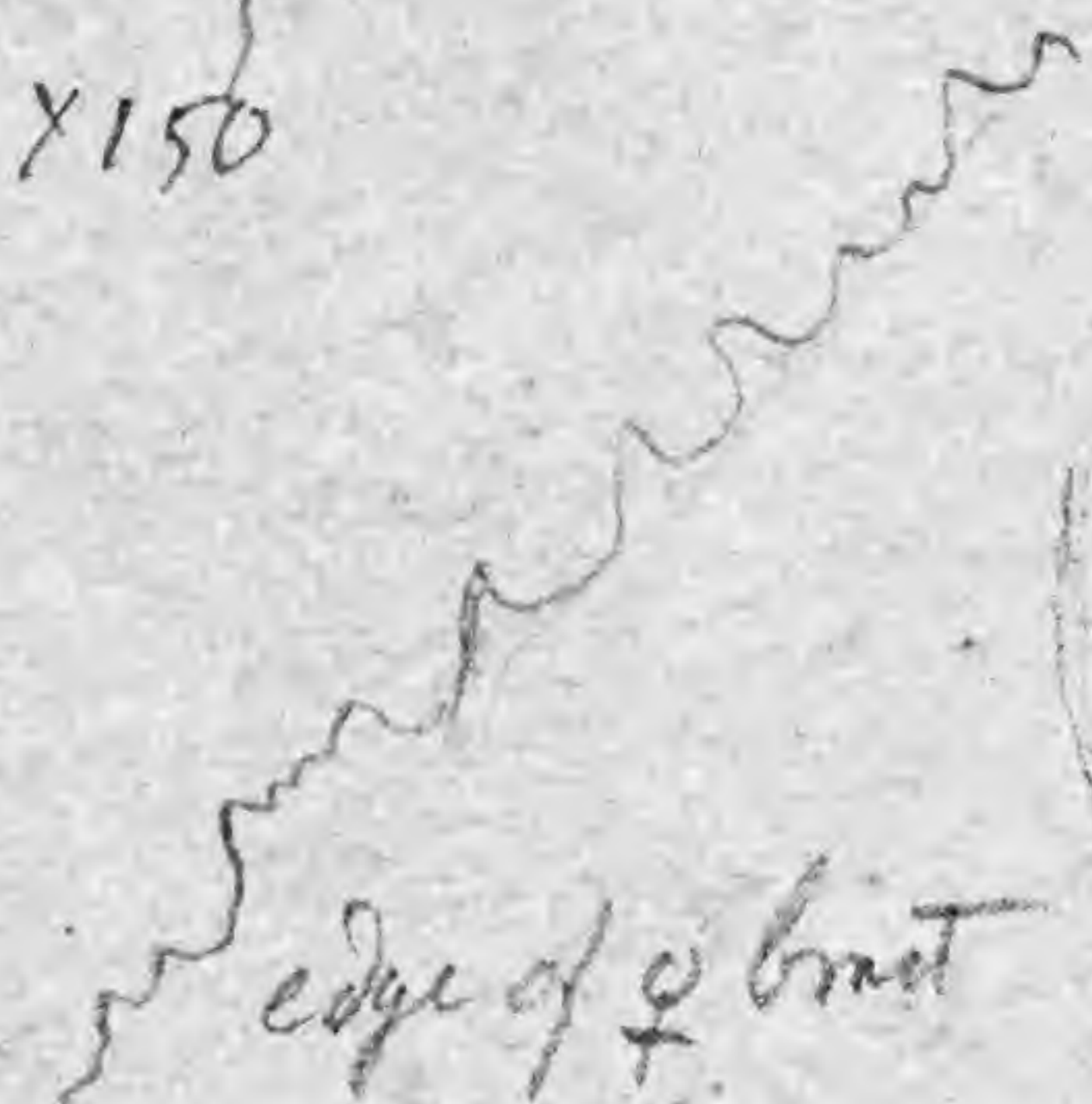


x10



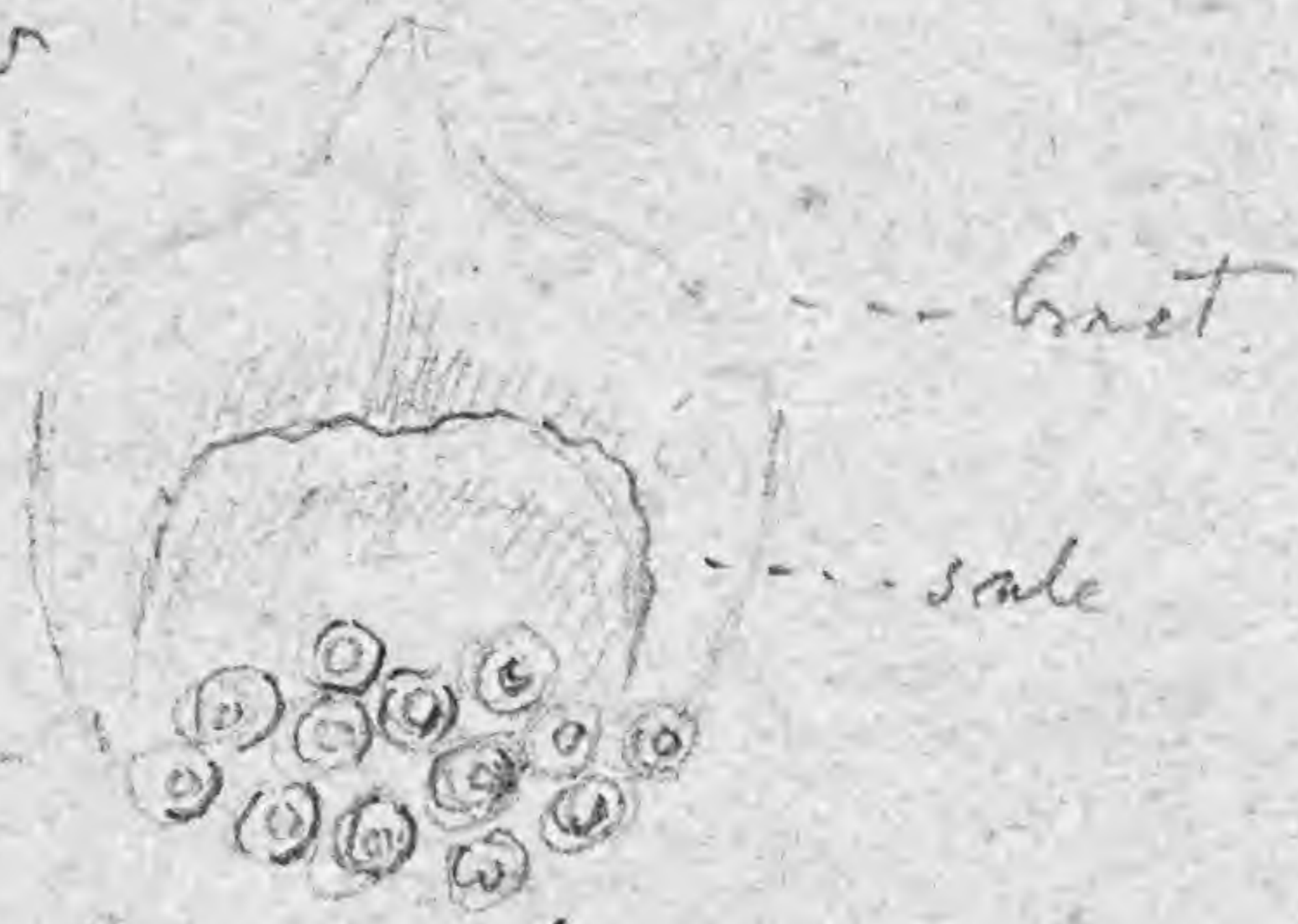
x10

glands very faint



edge of ♀ bract

x150



bract

scale

female scale x10

13 ovules



ovule x60

8-12 ovules on scale



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cm

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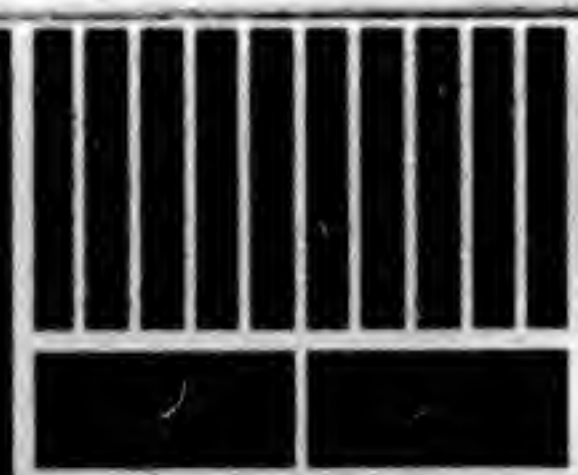
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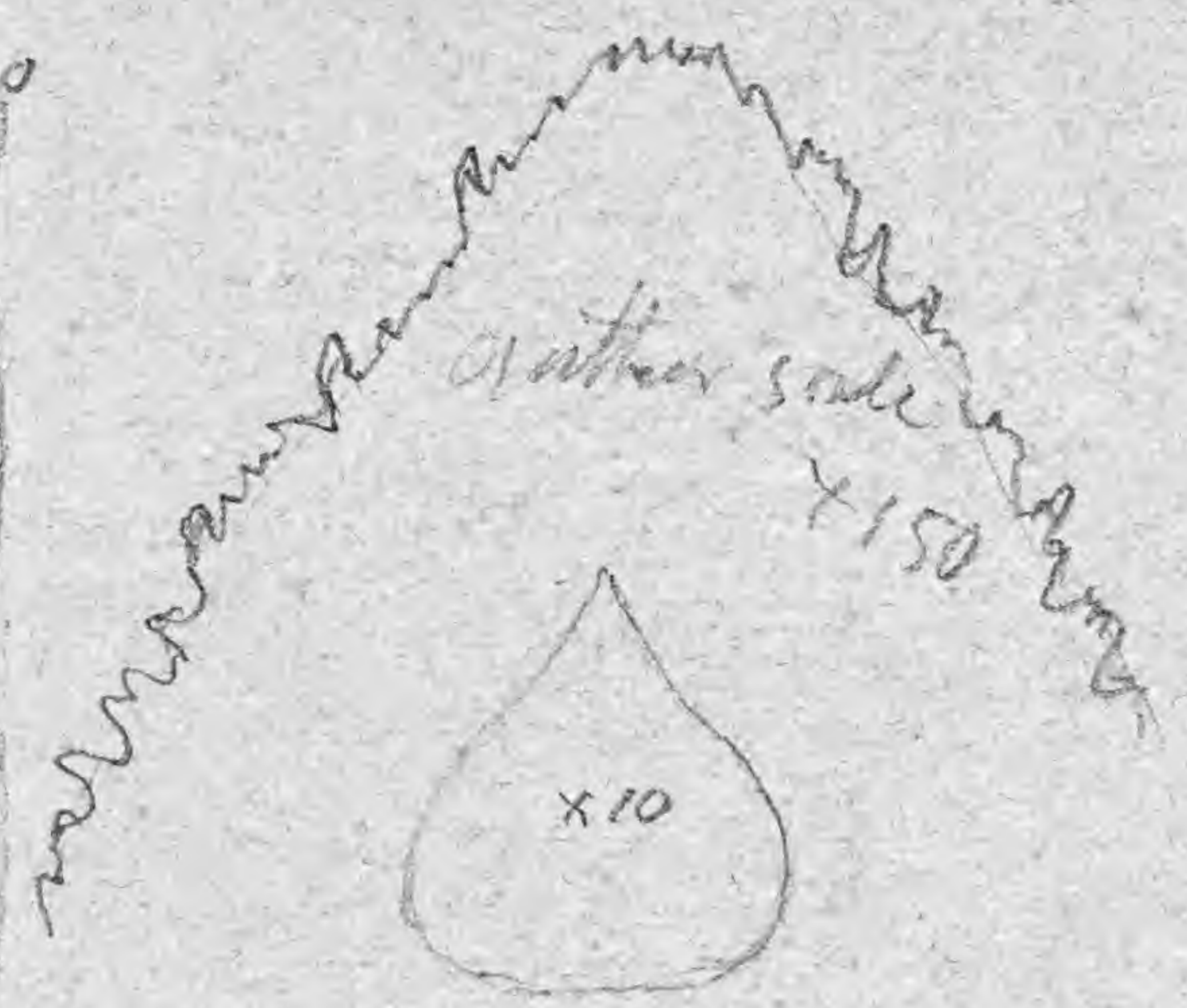
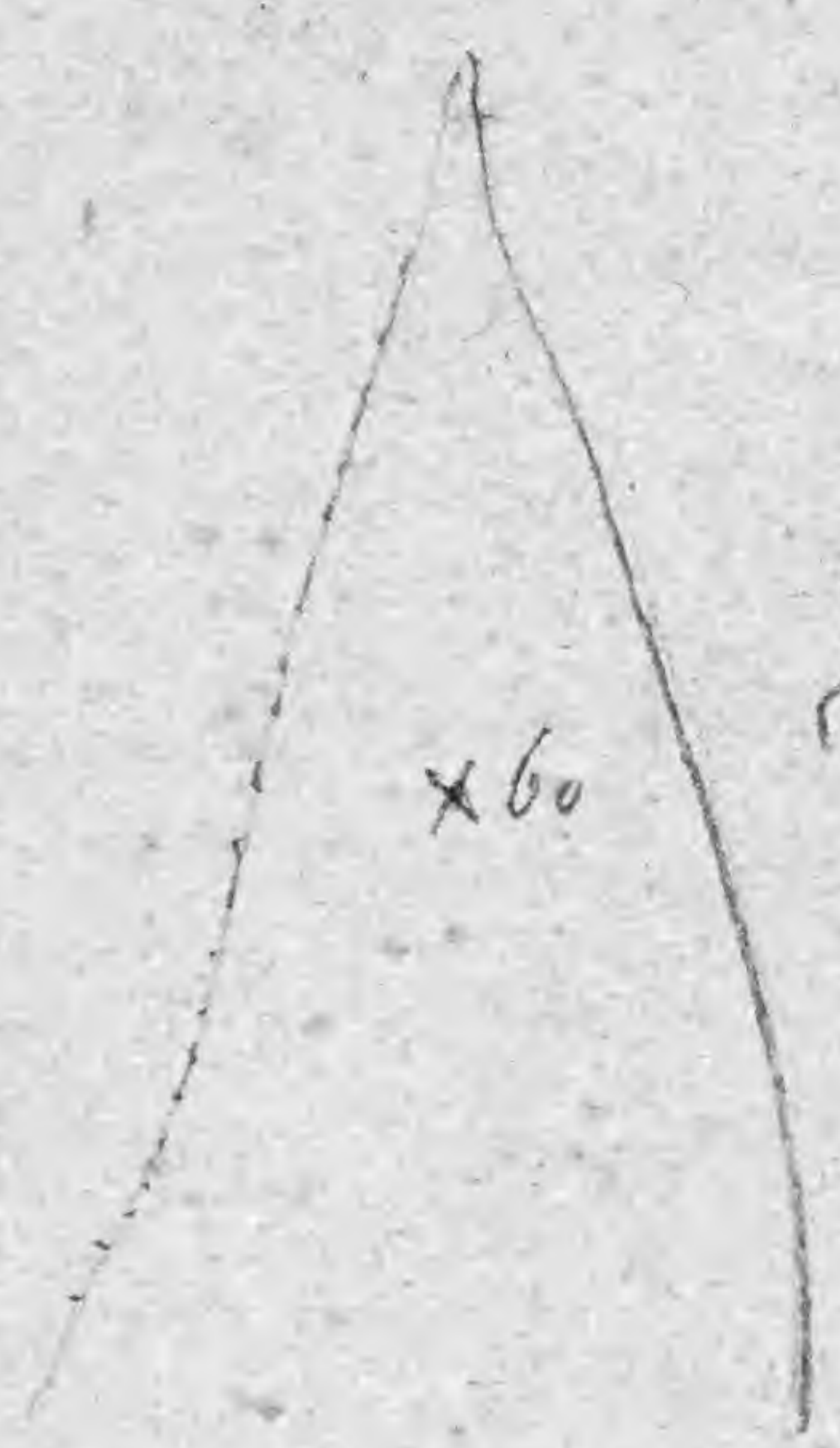


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*Cypripedium thurifera*

Nov 25 1891

*Taxiaea Ehrenbergii*  
in Herb. Berlin



*Maximo* White  
in Herb. Berlin  
leaves still longer  
and more acute



0 1 2 3 4 5 6 7 8 9 10

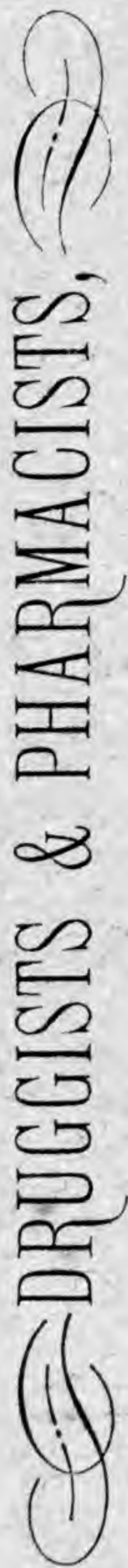
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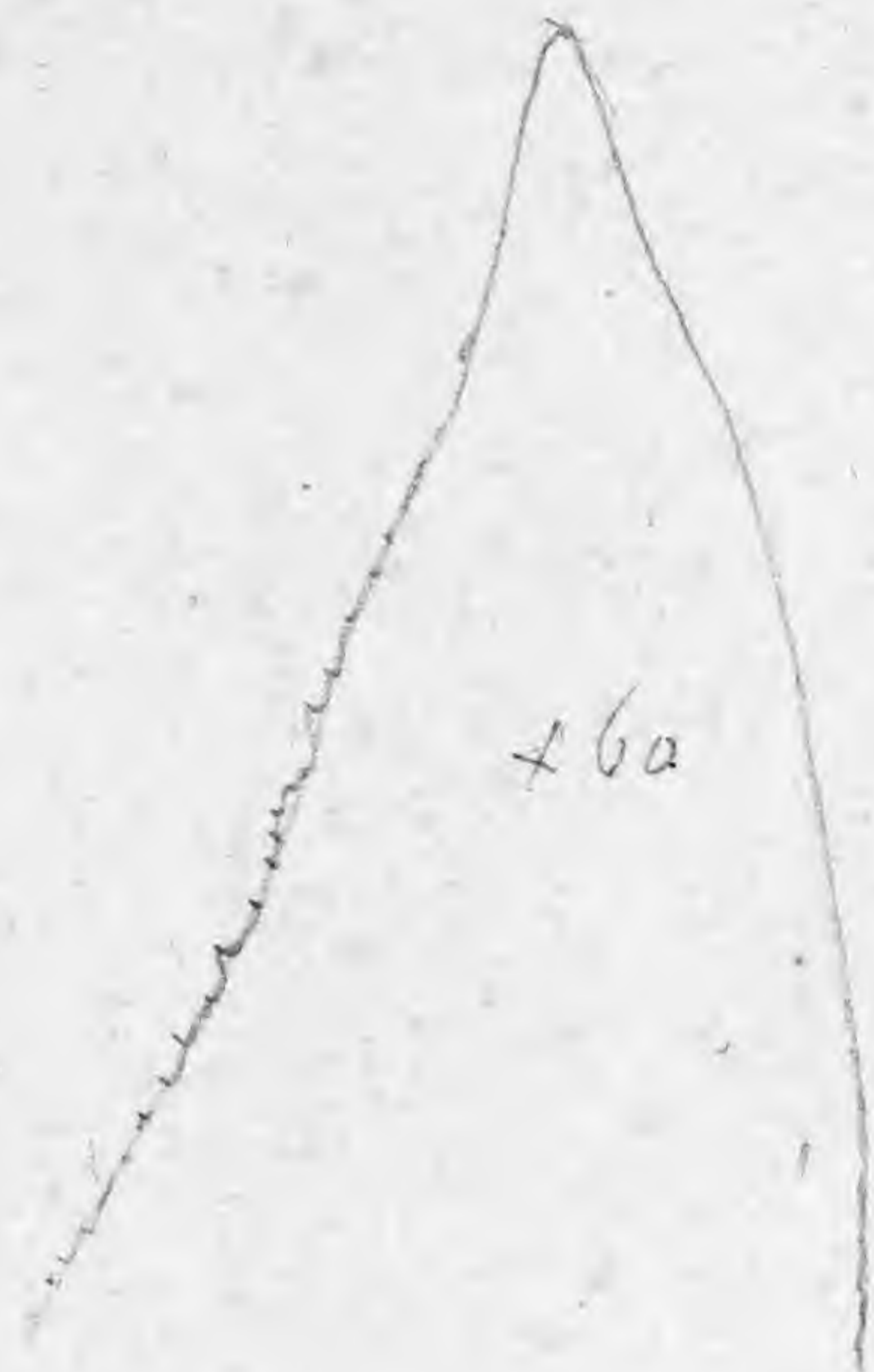



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"*Cupressus thurifera*"

Nov 25 1881

(Schubert & Haage) in 1874



  
mixed with the  
seeds - a cone scale?



x4



0 1 2 3 4 5 6 7 8 9 10

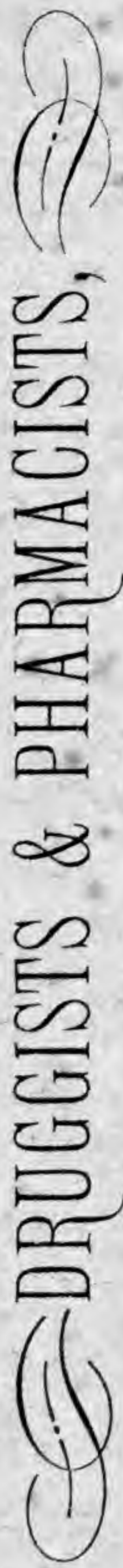
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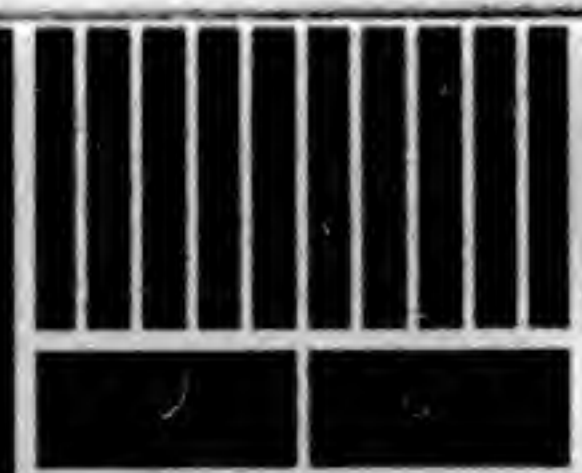
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prostrata DC.  
 Flaveria contrayerva Lag.  
 Gaillardia aristata Prsh.  
 Drummondii DC.  
 picta Sweet.  
 Gazania uniflora Ker.  
 Gnaphalium involucreatum Forst.  
 Gonospermum fruticosum Less.  
 Grindelia arguta Schrad.  
 inuloides Willd.  
 Guizotia oleifera DC.  
 Schimperii C. H. Schultz.  
 Hebeclinium atrorubens Lem.  
 janthinum Hook.  
 megalophyllum Lem.  
 panamense Hort.  
 Hedypnois cretica Willd.  
 mauritanica Willd.  
 pendula Balb.  
 polymorpha DC.  
 rhagadioloides L.  
 tubaeformis Ten.  
 Helenium autumnale L.  
 commutatum Maund.  
 puberulum DC.  
 Helianthus californicus DC.  
 canus Hort.

Heliogyne grabrata Bartl.  
 Hemizonia pungens Torr. et Gr.  
 truncata A. Gr.  
 Heterospermum pinnatum Cav.  
 Hieracium lucidum Guss.  
 Hyoseris lucida Lin.  
 radiata Gaert.  
 Hypochaeris arachnoidea Poir.  
 Balbisi Lois.  
 glabra L.  
 neapolitana DC.  
 radicata Lin.  
 --var. heterocarpa  
 salzmanniana DC.  
 Intybellia pulchra Monn.  
 Inula candida Coss.  
 crithmoides DC.  
 semiamplexicaulis Reut.  
 Iva frutescens Lin.  
 Kalbfussia Mulleri C. H. Schult.  
 Salzmanni Schult.  
 Kentrophyllum flavescens DC.  
 leucocaulon DC.  
 tauricum F. et M.  
 tenue Dec.  
 Kleinia anteupehorbium DC.  
 Mandraliscae Tin.

stellata F. et M.  
 Maruta cotula Cass.  
 Matricaria nigellaefolia DC.  
 Melampodium macranthum Hort.  
 Metabasis aethnensis DC.  
 Microlonchus Delastrii Jord.  
 Durieui Spch.  
 tenellus Spch.  
 Milleria quinqueflora L.  
 Monolopia californica Hort.  
 Montagnea heracleifolia Hort.  
 Notobasis syriaca Cass.  
 Obeliscaria atrosanguinea Hort.  
 Matr.  
 pinnata Cass.  
 pulcherrima DC.  
 Onopordom acaule Lin.  
 alexandrinum Boiss.  
 libanoticum Boiss. et Bl.  
 macranthum Schsb.  
 virens DC.  
 Ormenis mixta DC.  
 Oxyura chrysanthemoides DC.  
 Parthenium integrifolium Lin.  
 Petasites albus Gaert.  
 Phaeacasium pulchrum Cass.  
 Phagnalon calycinus DC.

*Cyper Benthamii* Engelm

Common 4-6 in dia

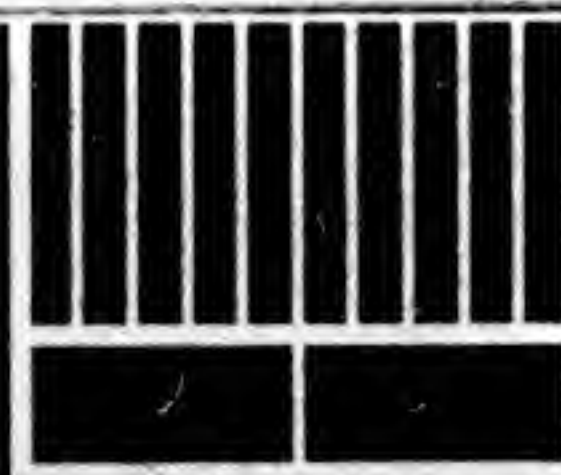
4-6 (8) 5 inches

seed 1 3/4 lin.

broad wing

*arbor excolsa* Purlet

Fowler - Gard Chron 1872 p. 285  
 makes it = thurifer and says it is  
 50-60 feet high



0 1 2 3 4 5 6 7 8 9 10  
cm

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<p> <i>crocifolia</i> Sbth.  <i>deliciosa</i> Tin.  <i>hirsuta</i> Lin.  <i>inaequiscapa</i> Boiss.  <i>intermedia</i> Guss.  <i>laciniata</i> Lin.  <i>villosa</i> Scop.  <i>Senecio aegyptiacus</i> Lin.  <i>ambiguus</i> DC.  <i>andryaloides</i> DC.  <i>arabicus</i> Lin.  <i>bicolor</i> Tod.  <i>ceratophyllus</i> Ten.  <i>coriaceus</i> Ait.  <i>elegans</i> Lin.  <i>—plur. var. fl. pleno</i>  <i>foeniculaceus</i> Ten.  <i>gallicus</i> Vill.  <i>gibbosus</i> DC.  <i>Kaempferi</i> DC.  <i>maritimus</i> Lin. f.  <i>mikanoides</i> Ott.         </p>	<p> <i>sempervirens</i> Lin.  <i>ulmifolia</i> Mhlg.  <i>Sonchus arvensis</i> Lin.  <i>asper</i> Vill.  <i>graecus</i> Boiss.  <i>gummifer</i> Lk.  <i>hyoserifolius</i> Hornm.  <i>laevigatus</i> Willd.  <i>oleraceus</i> Lin.  <i>pinnatus</i> Ait.  <i>spinosus</i> DC.  <i>tenerimus</i> Lin.  <i>Spilanthes leucantha</i> H. B.  <i>Sphenogyne anthemoides</i> R. Br.  <i>microcephala</i> Hort.  <i>versicolor</i> DC.  <i>Stenactis floribunda</i> Hort.  <i>speciosa</i> Lindl.  <i>Stevia ivaeifolia</i> Willd.  <i>laxiflora</i> DC.  <i>monardaefolia</i> H. B.  <i>nepetaefolia</i> H. B.         </p>	<p> <i>—var. crinita</i> Lowe.  <i>sexaristata</i> Biv.  <i>Tragopogon australe</i> Jord.  <i>brevirostre</i> Boiss.  <i>Cupani</i> Guss.  <i>foccosum</i> W. K.  <i>mutabile</i> Jacq.  <i>Troximon aparigioides</i> Less.  <i>Udea bipinnatifida</i> Hort.  <i>Urospermum picrioides</i> Desf.  <i>Verbesina coreopsis</i> Mich.  <i>crocata</i> Less.  <i>phaetusa</i> Cass.  <i>serrata</i> Cav.  <i>Vernonia eminens</i> Bichl.  <i>fasciculata</i> T. et Gr.  <i>praecalta</i> DC.  <i>scaberrima</i> Nutt.  <i>scorpioides</i> Pers.  <i>Xanthisma texanum</i> DC.  <i>Xanthium echinatum</i> Murr.  <i>inaequilaterum</i> DC.         </p>
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0 1 2 3 4 5 6 7 8 9 10  
 cm

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*Cupressus Benhamii* (robustior) Nov 25 1921  
Mexico, White, 48 Berlin N. 72

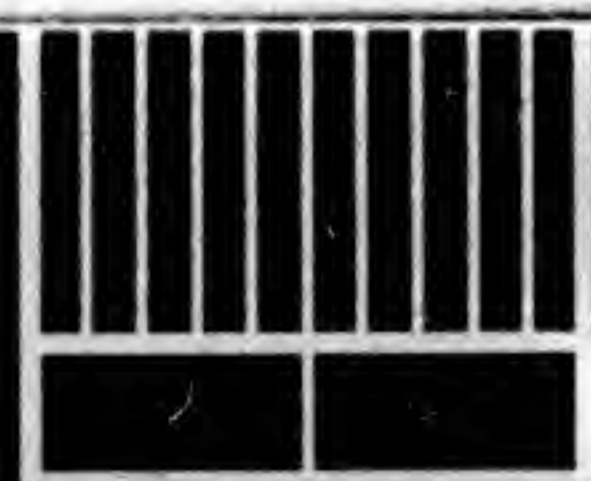


Cone with 8 scales  
6 lines diameter  
scales with strong  
spicose knobs

glad a little more  
distinct, smaller  
branches thicker



Mexico, Ehrenberg N. 29  
is similar (no cones seen)  
the stouter form



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*Cupressus* *Benhamii* Endl  
*mixta* Hartweg 434

Nov 25 1881



x150



glands very  
indistinct.



Cones to cones diameter  
4 their scales with prickly  
Knobs near the middle

"a more slender and weeping  
plant than *Benhamii*, probably  
= *Thurifera*" J. D. Hooker 1881  
*C. Knightiana* appears the same



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cm

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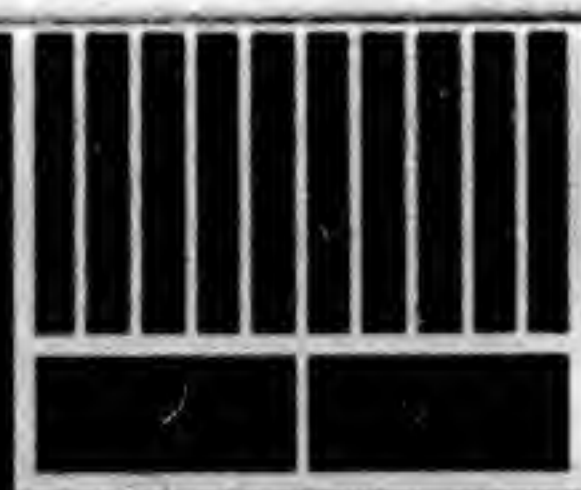
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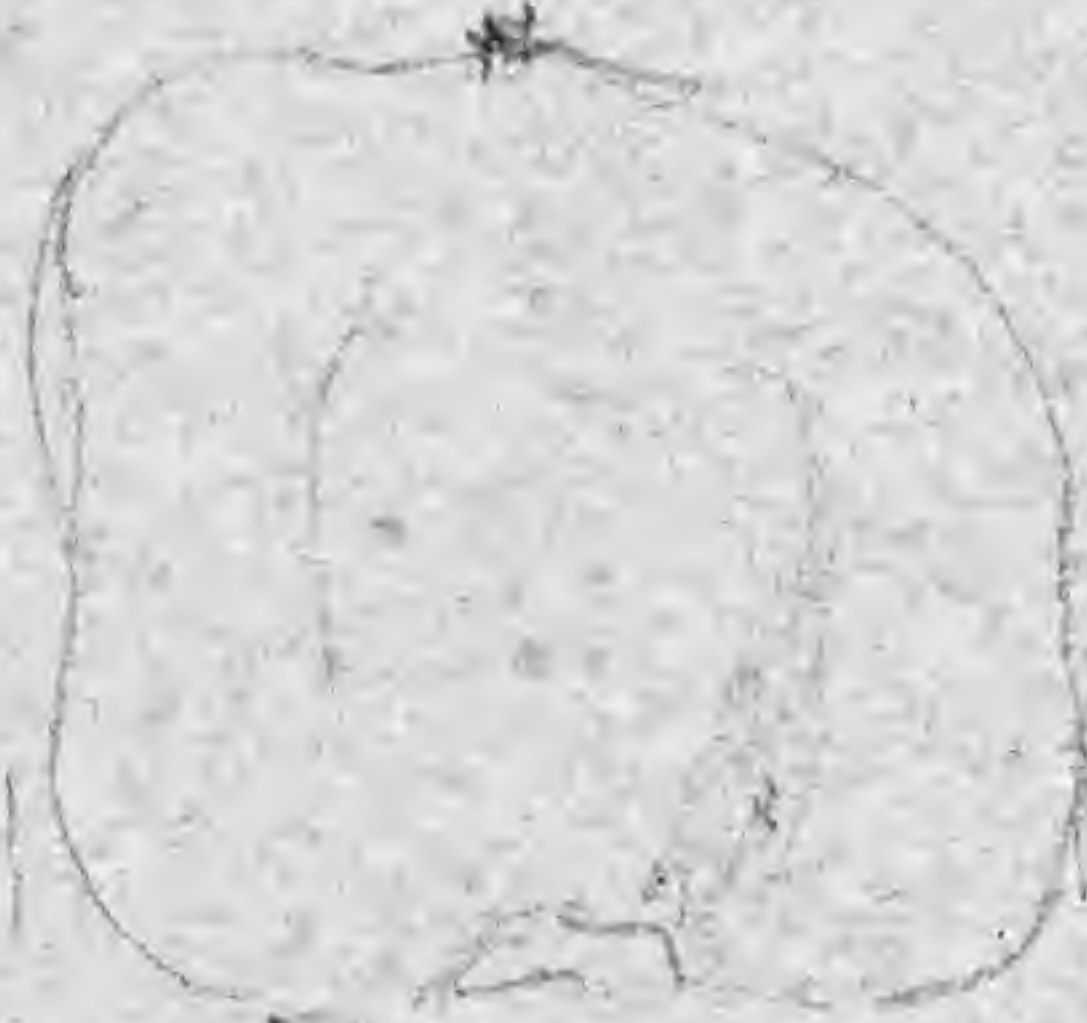
*Cupressus Penhamsii* Endl.

Nov 25 1881

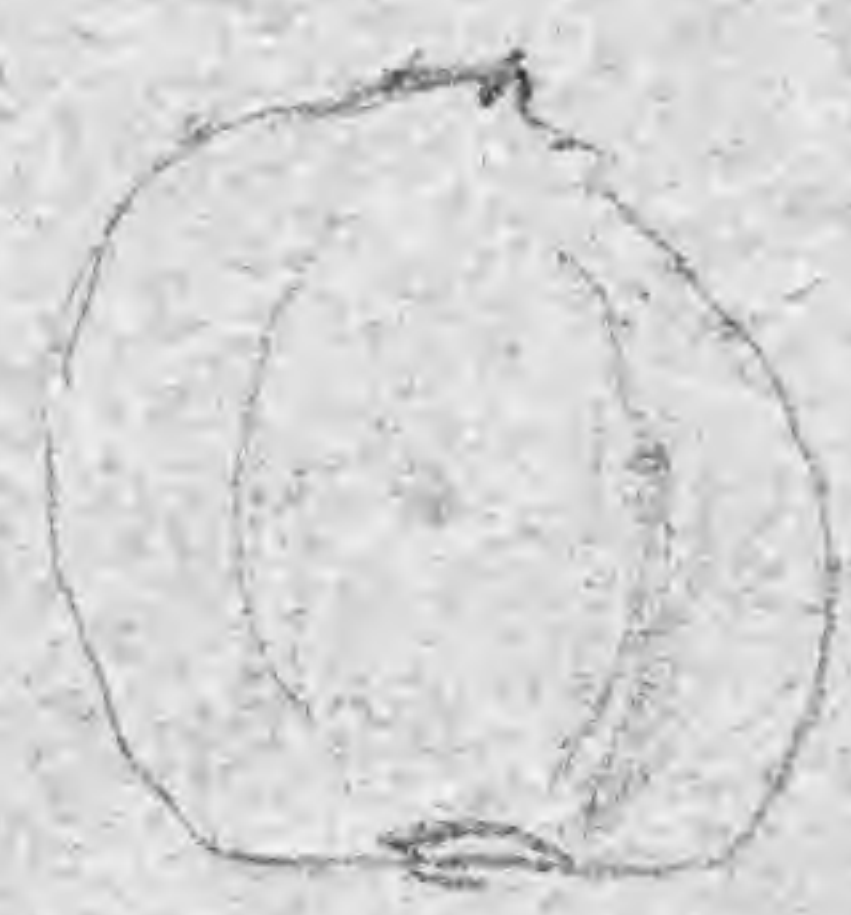
Nov 14, C. Ehrenberg - No. 949



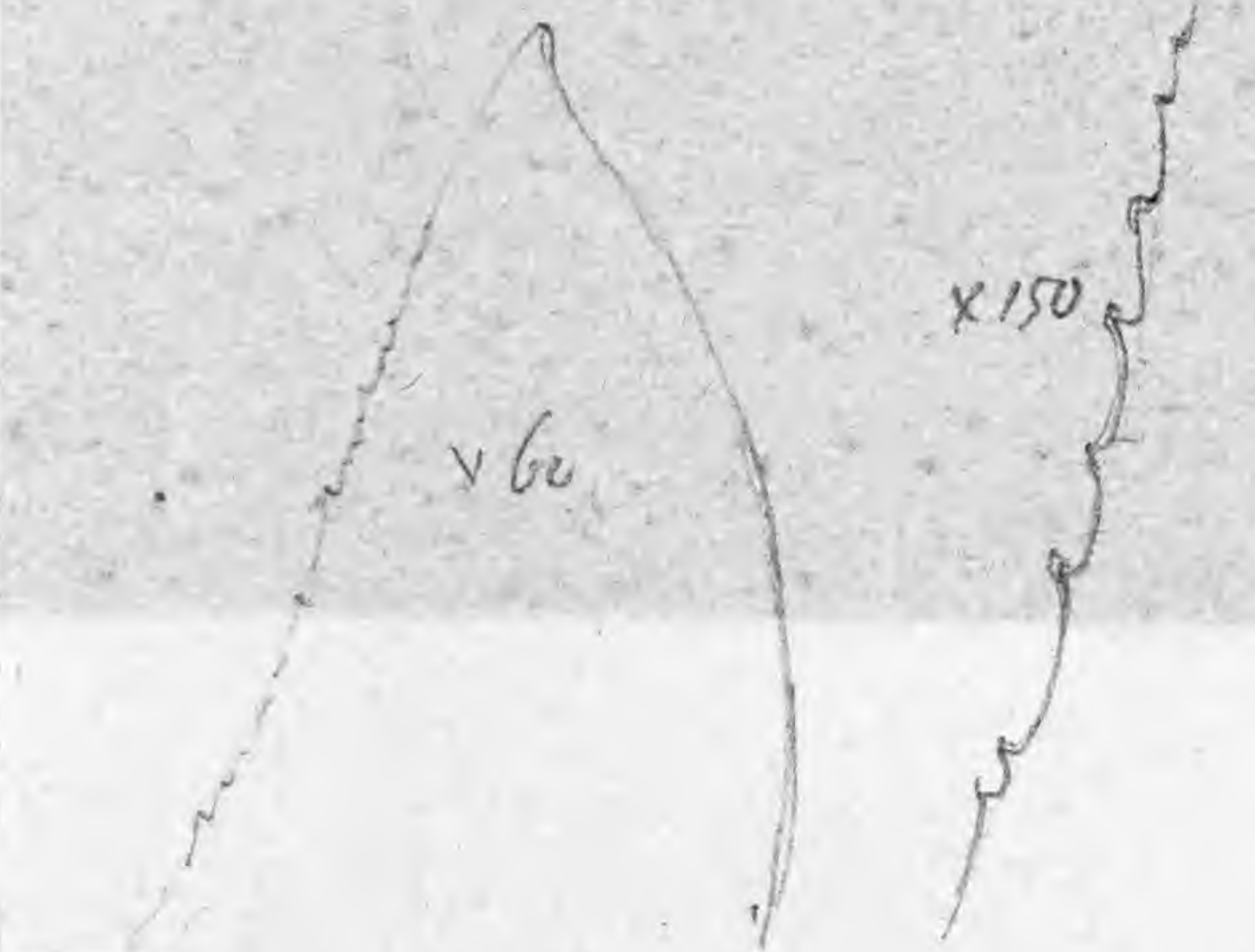
gland indistinct



x4



Cones 5 l. diam  
4 scales, thin,  
strongly flattened in  
middle or a little above



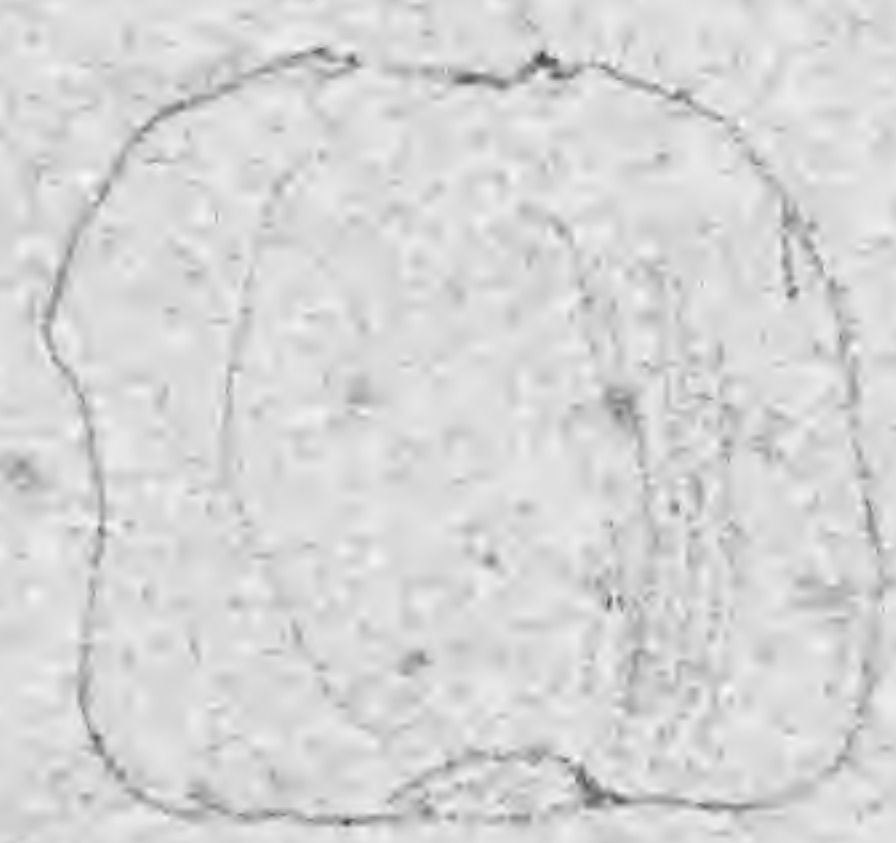
x10



gland very distinct



x4



Cones 4 1/2 - 5 lines  
6 scales with pointed  
nodes above middle



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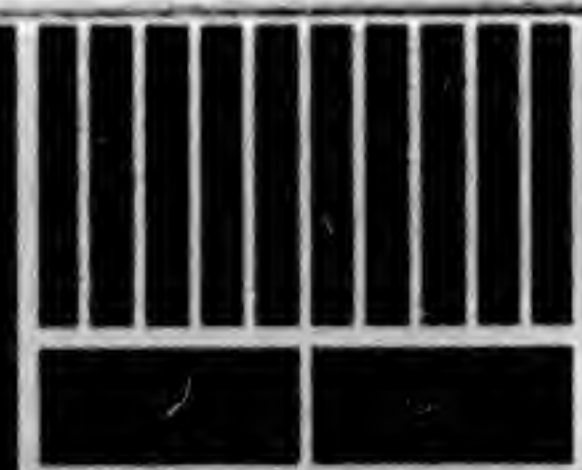
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cm

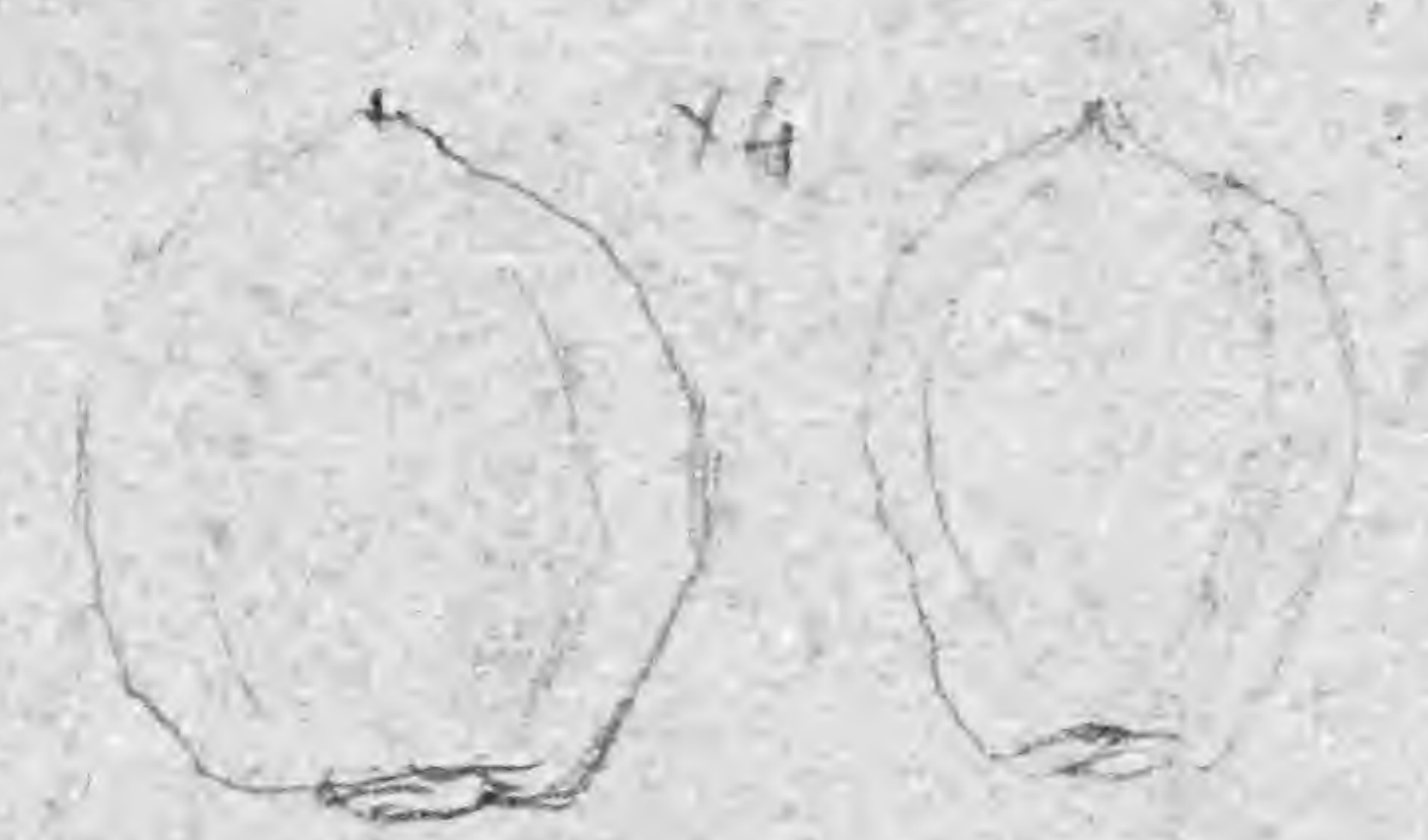
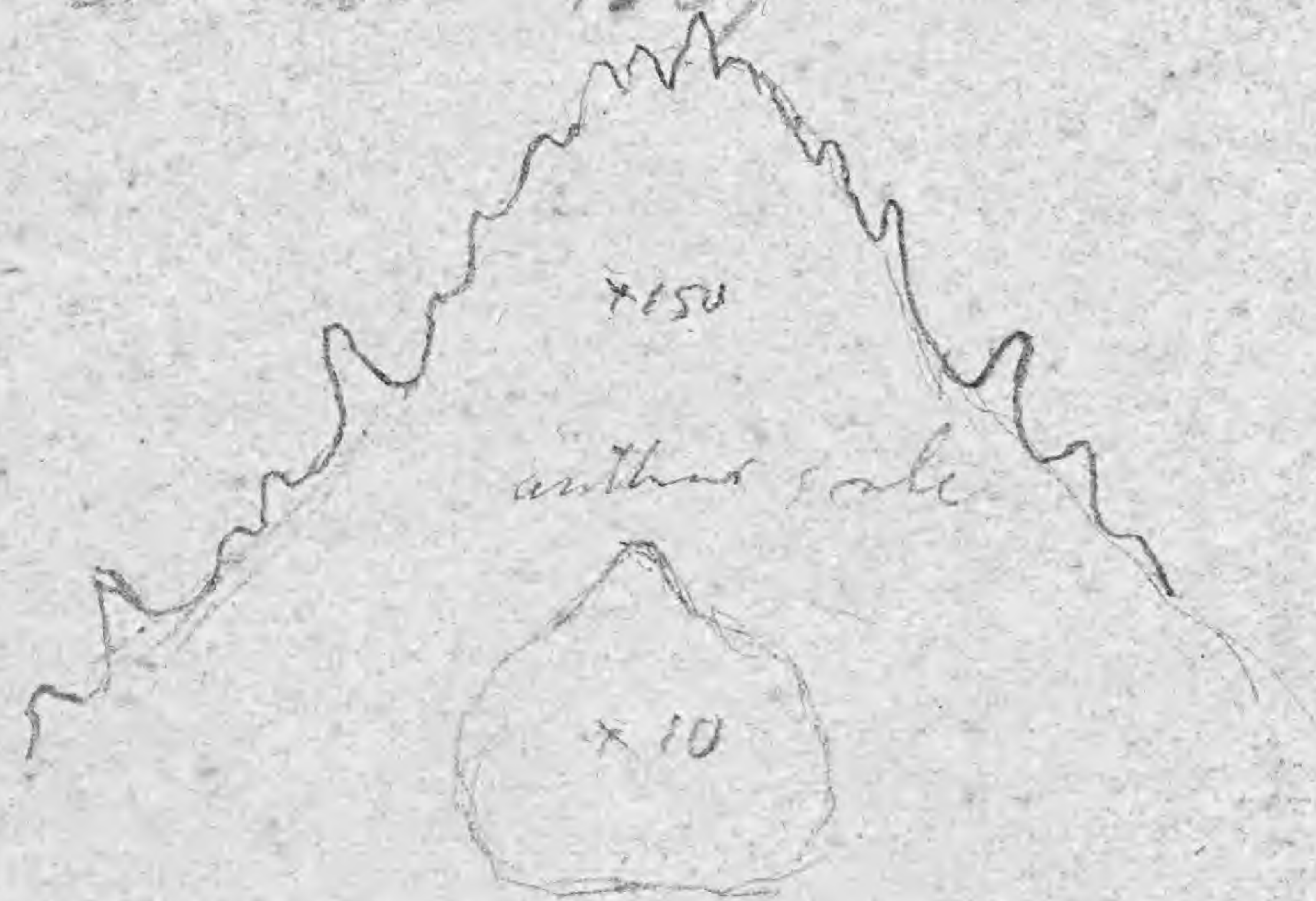
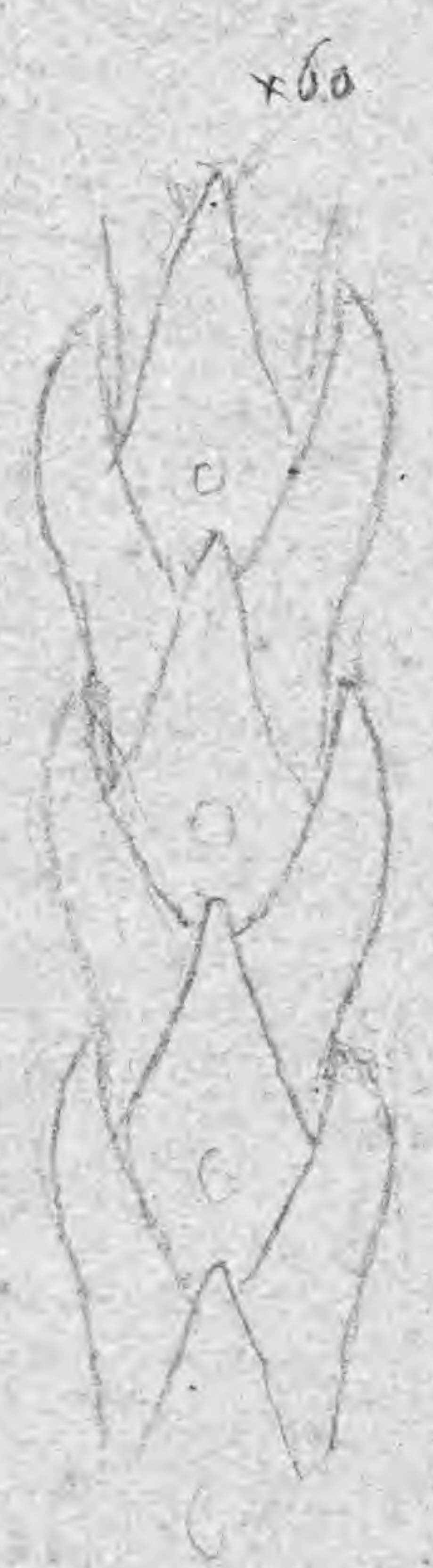
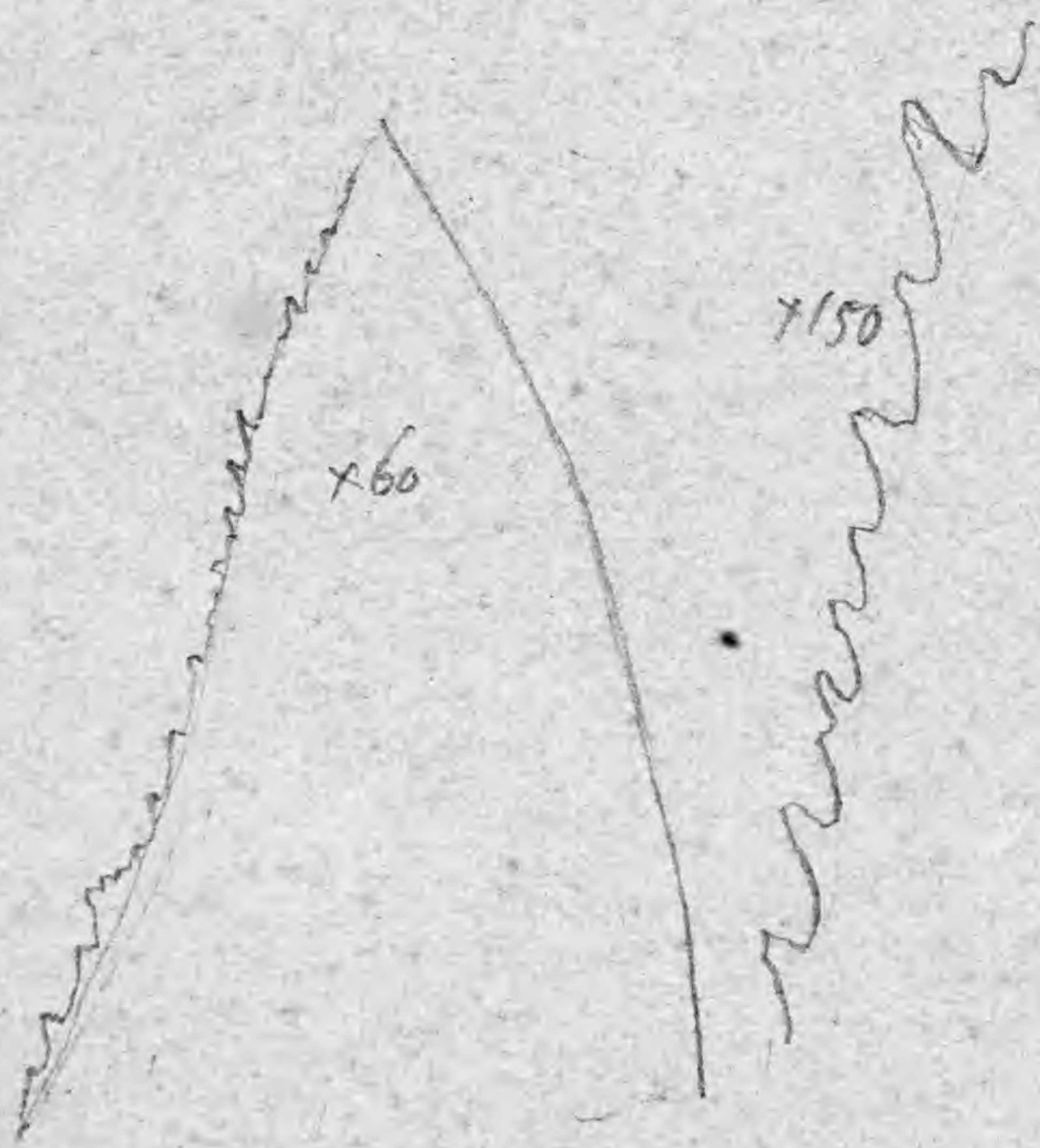
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MISSOURI  
BOTANICAL  
GARDEN

*Cupressus Barbhamii*  
Cult. Ant. Linn 1269

Nov 29 1881



Cones 6 cones diam  
6-8 scales, knobbed  
under the upper edge  
knobs with foliaceous



0 1 2 3 4 5 6 7 8 9 10  
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GARDEN

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0 1 2 3 4 5 6 7 8 9 10

cm

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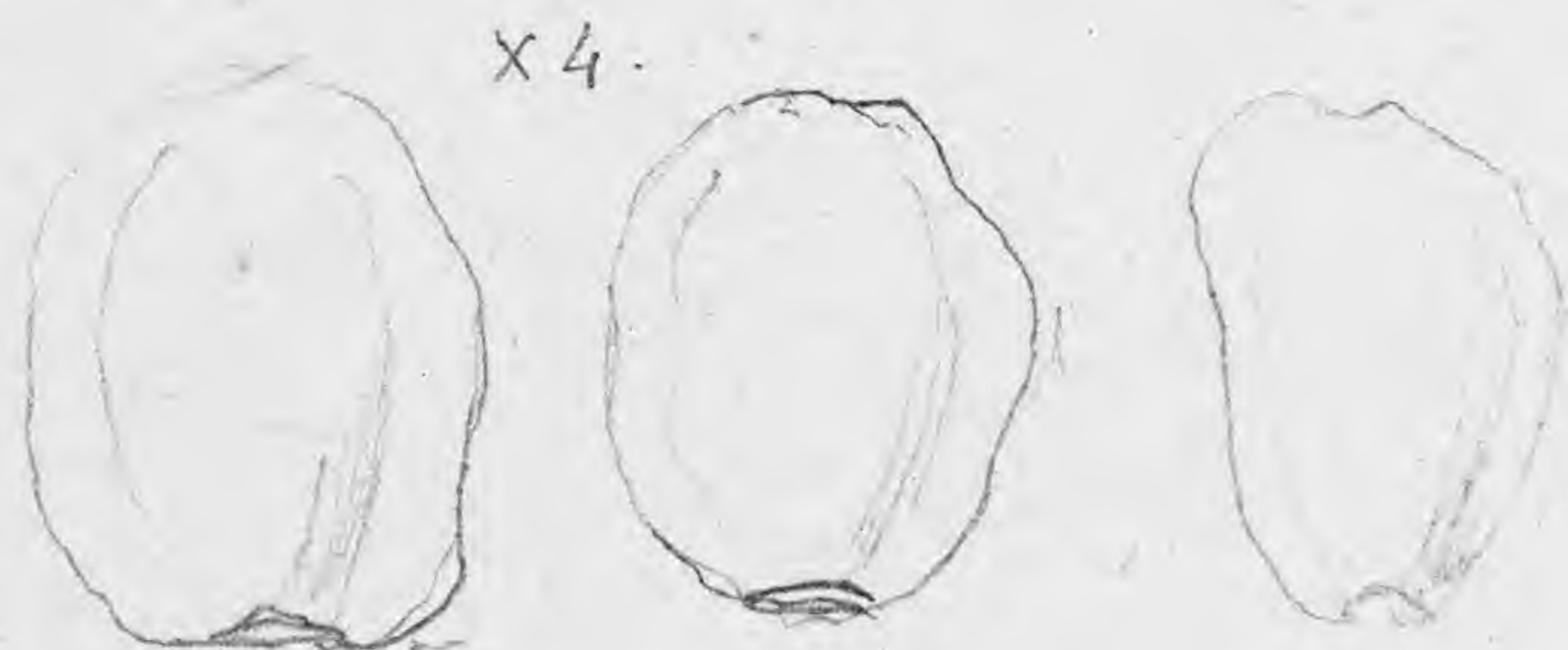
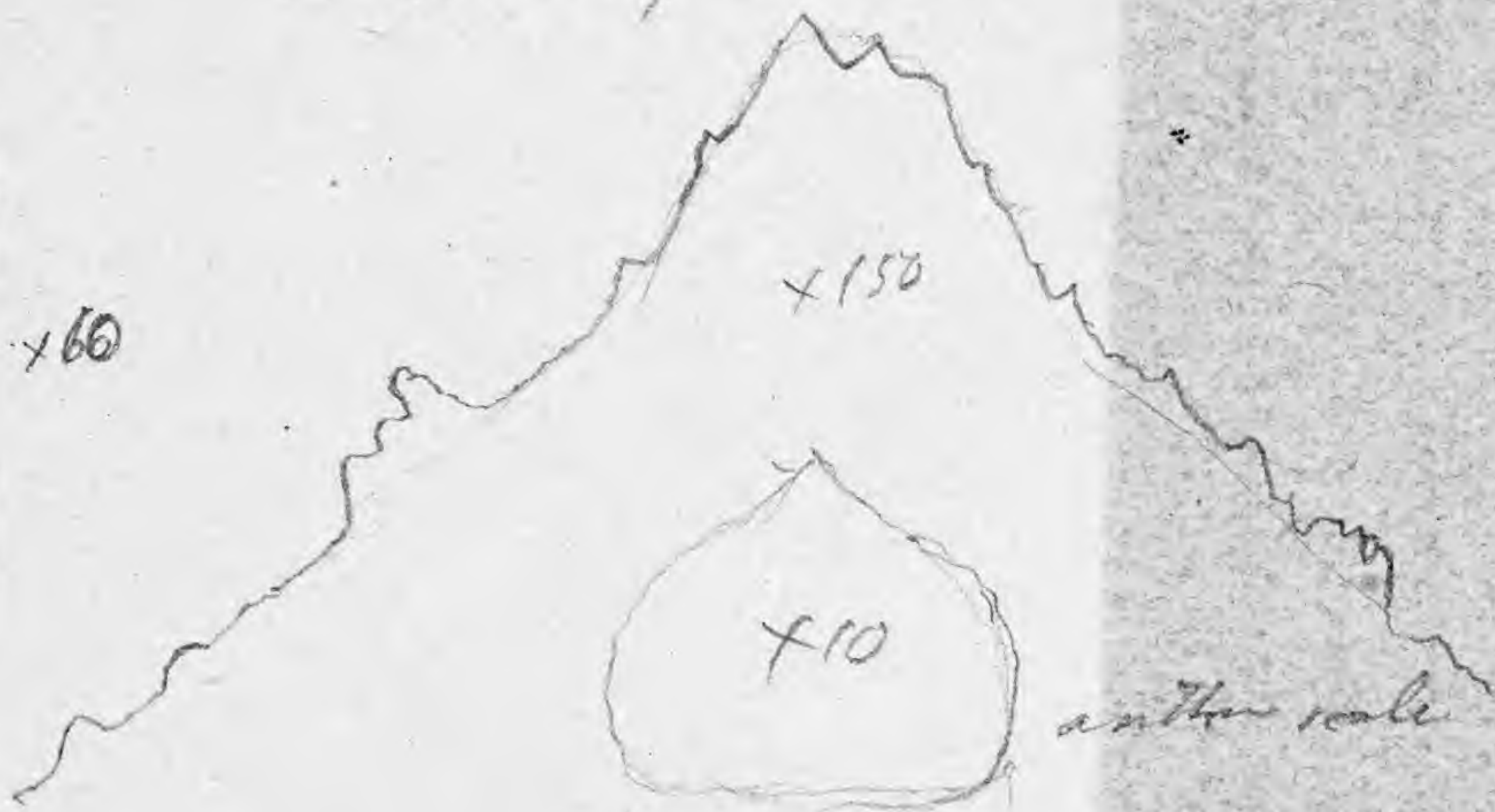


MISSOURI  
BOTANICAL  
GARDEN

Cupressus Boulkani

L. Hahn, munitis

Nov 29 1981



Cone 5 line dia  
 8 scales, thin  
 knobbed above center  
 knobbed below



0 1 2 3 4 5 6 7 8 9 10

cm

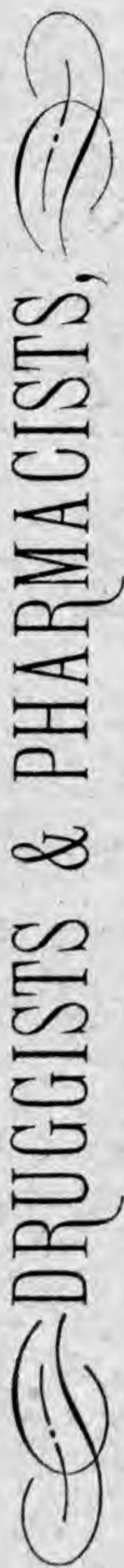
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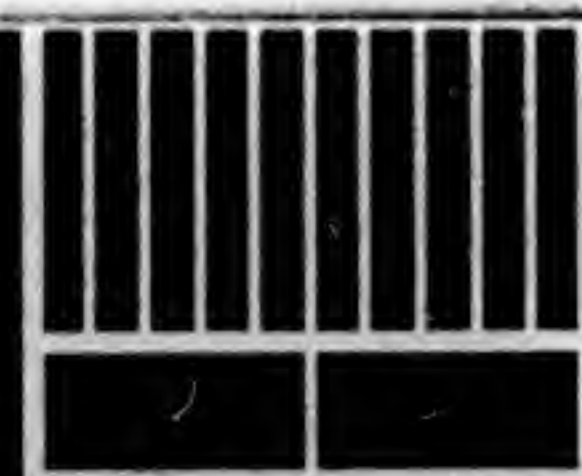


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0 1 2 3 4 5 6 7 8 9 10

cm

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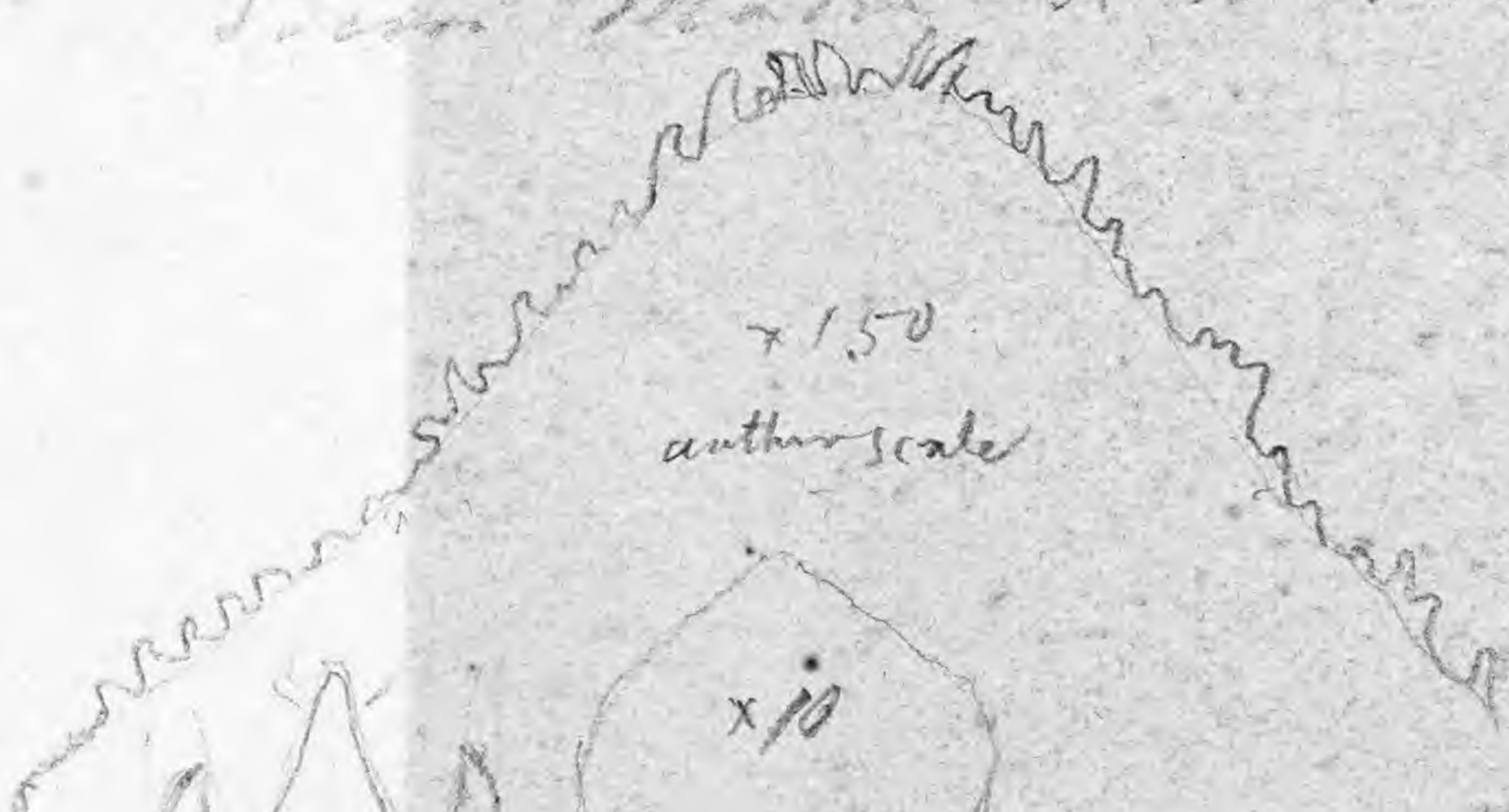
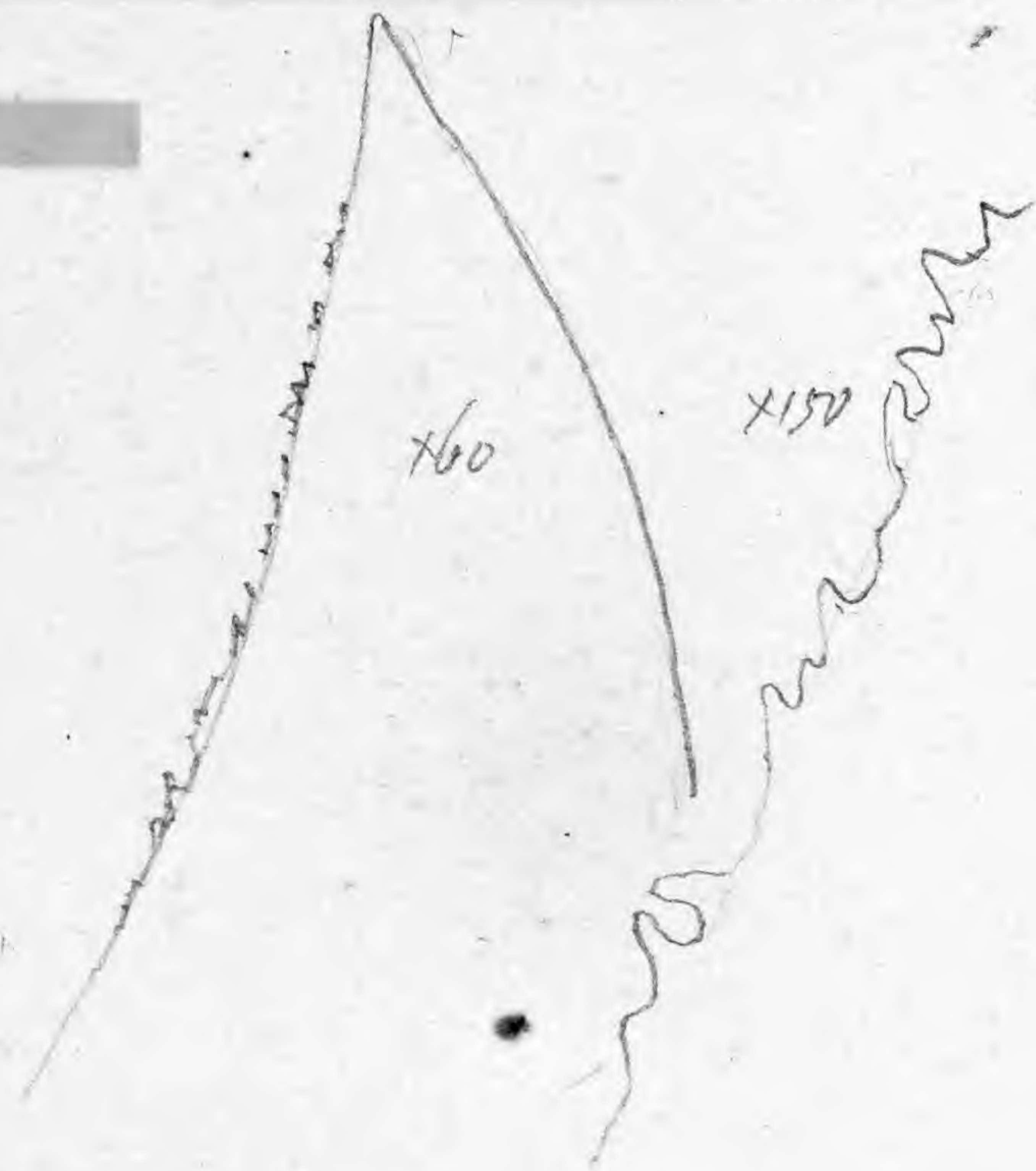


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GARDEN

Nov 30 1891

*Cupressus Bonplandii* ?

From Mexico in the mountains of Serrana



with this is placed:  
a cone from White  
1/2 cm diam  
& thin knobbed scales



0 1 2 3 4 5 6 7 8 9 10

cm

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GARDEN

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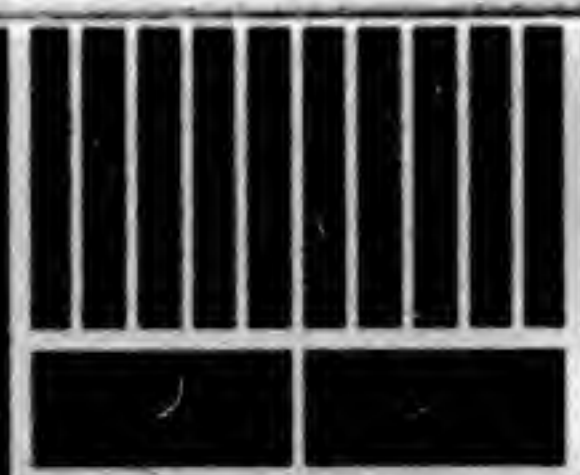
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0 1 2 3 4 5 6 7 8 9 10

cm

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GARDEN

*Cyperus Sandwicensis* E. & S.

(*elegans*)

Cons 5-7 lines  
16  
6-8 lines

- Aster. Tradescantii L.
- umbellatus Ait.
- versicolor Willd.
- virginicus N. ab E.
- Asteriscus mauritanicus Jord.
- Asterothrix asperima Cassin.
- hispanica DC.
- Baccaris halimifolia L.
- pingraea DC.
- Balsamita ageratifolia Desf.
- vulgaris Willd.
- Barkausia alpina DC.
- balearica Coss.
- bellidifolia L.
- cernua Rehbch.
- glandulosa Prsl.
- juvenalis Delil.
- leontodontoides Spr.
- Marchalli C. A. M.
- neglecta Gretn. et Godr.
- purpurea Biv.
- setosa DC.
- vesicaria Dec.
- Bellis annua Lin.
- var.* caulescens
- perennis L.
- Bidens atrosanguinea Germ.
- chrysanthemoides Mchx.
- grandiflora Balb.
- leucantha Willd.

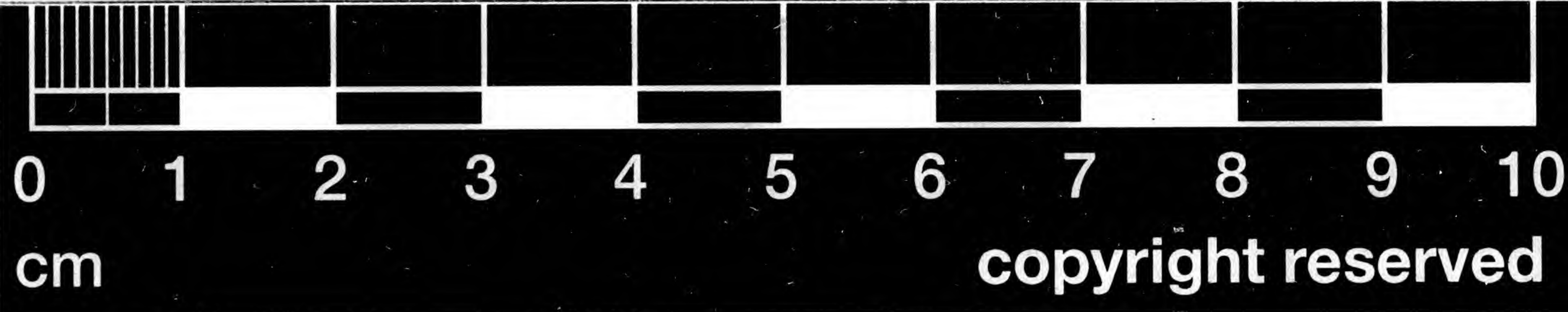
60-100 ft high (Parlat)

seed 2 lines

broadwing

- Carlina sicula Tenor.
- Cenocline globifera C. Koch.
- Centaurea algeriensis Coss. et Dur.
- americana Nutt.
- aspera L.
- babylonica Willd.
- busambarensis Guss.
- calocephala Willd.
- cerinthifolia Sib. Sm.
- cichoracea L.
- cicutaeifolia Horn.
- cineraria Lin.
- cinerea Lin.
- Clementei Boiss.
- cristata Bartl.
- crocodyllum L.
- depressa Bbrst.
- ferox Desf.
- Fontanesii Spch.
- glastifolia L.
- lacera Ten.
- leucophaea Jord.
- maritima Dufour.
- melitensis L.
- microphylla Gr. et Godr.
- microptilium Gr. et Godr.
- napifolia L.
- nigrescens Willd.
- var.* discoidea

- Chamaemelum glabrum Fzl.
- inodorum Vis.
- trichophyllum Boiss.
- Chamaepeuce Casabonae DC.
- Chardinia xeranthemoides Desf.
- Charieis coerulea N. ab E.
- heterophylla Cass.
- Chartolepis schizolepis Boiss.
- Chrysanthemum carinatum S.B.
- pluc. var.*
- coronarum L.
- pseudo-anthemis Sch. Bip.
- pumilum Willd.
- Roxburghii Desf.
- Chrysocoma coma-aurea L.
- Cirsium flavispinum Boiss.
- lanceolatum Scop.
- pratense Dec.
- tuberosum All.
- Cnicus benedictus Gaert.
- Kotschy Sch. Bip.
- pseudo-benedictus A. Br.
- Congyza abyssinica Sch. Bip.
- carolinensis Jacq.
- Coreopsis atkinsoniana Hk. et Ar.
- bicolor Roxb.
- coronata Hook.
- diversifolia DC.
- lanceolata L.
- lanovinas Hook.



<p>Cistus albidus Lin. arborescens Poir. canescens Sweet. corsicus Lin. creticus L. cyprius Lam. ericalyx Vivian. formosus Curt. heterophyllus Desf. hirsutus Lam. holosericeus Desf. incanus L. lanuginosus Vivian. laurifolius L. laxus Ait. monspeliensis L. —<i>var.</i> luxurians obtusifolius Sweet. parviflorus Lam. purpureus Lam. rotundifolius Sweet. salviaefolius L. sericeus Vahl. tauricus Prsl. undulatus L.</p>	<p>Agathaea amelloides DC. spathulata K. Ageratum coelestinum L.     <i>pl. var.</i>     mexicanum Sweet.     —<i>var.</i> imperiale     triangulare Ten. Aldama uniserialis A. Gr. Ambrosia maritima L. Ammobium alatum R. Br. Anacyclus officinarum Hayn.     pedunculatus Pers.     tomentosus D. C. Andryala laxiflora DC.     undulata Prsl. Angelandra pinnatifida E. Anthemis aurea DC.     chrysoleuca Gay.     cupaniana Tod.     Neilreichii Ortm.     nobilis Lin.     piscinalis Dur.     sphacelata Prsl. Anthrospermum floribundum P.</p>	<p>Aster asper N. ab. E. azureus Lindl. bellidifolius Willd. bicolor Dietr. blandus Flour. brumalis N. ab E. calendulaceus Bert. ciliatus Willd. commixtus DC. concinus Willd. conspicuus Lindl. cyaneus Hoffm. Drummondii Lindl. dumosus L. elegans Willd. ericoides L. firmus N. ab E. formosissimus Hort. fragilis Willd. glabellus N. ab E. ircutianus DC. junceus N. ab E.     —<i>var.</i> tenuifolius laevigatus Willd.</p>
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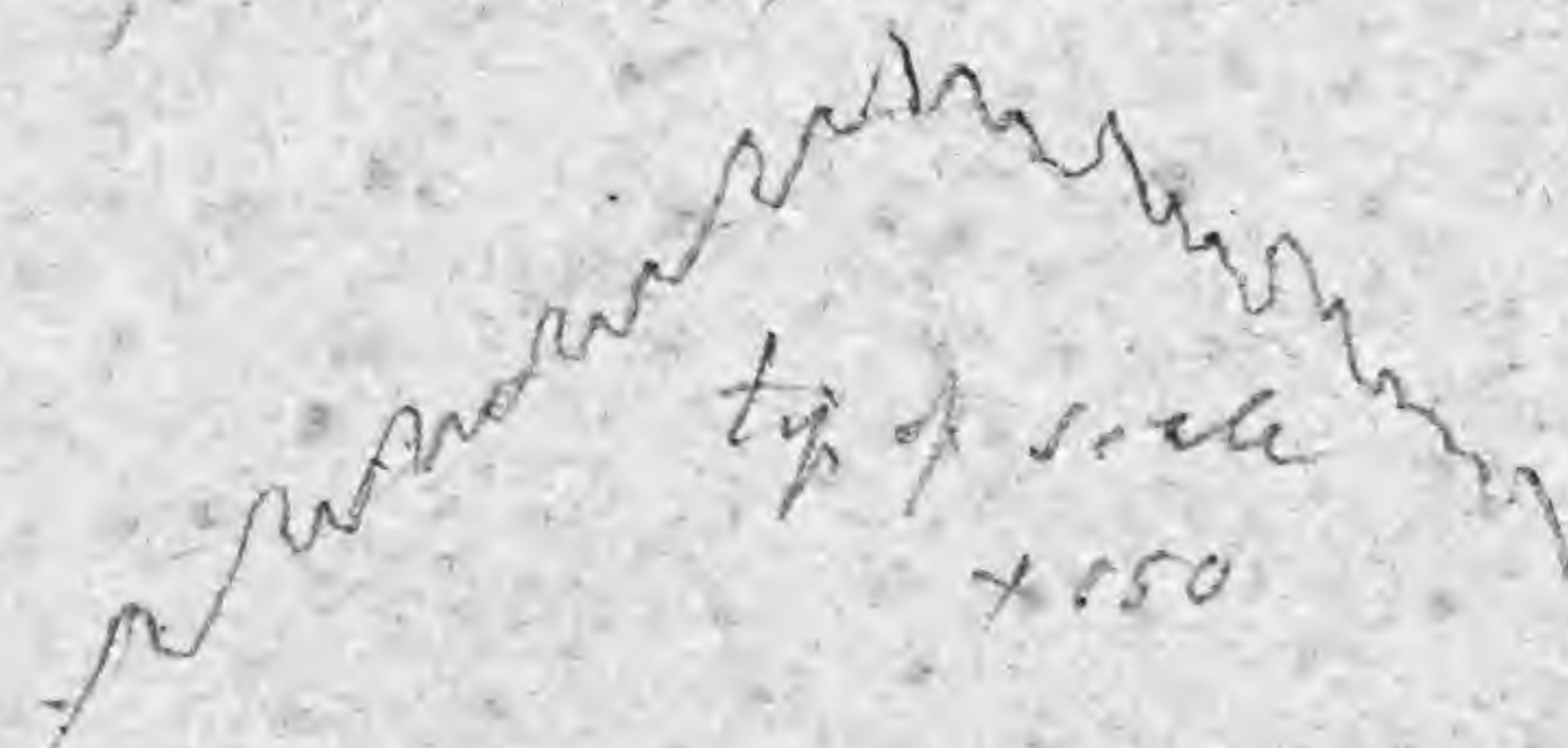
*Cupressus Lindeyana* Plotkin

Nov 24 1931

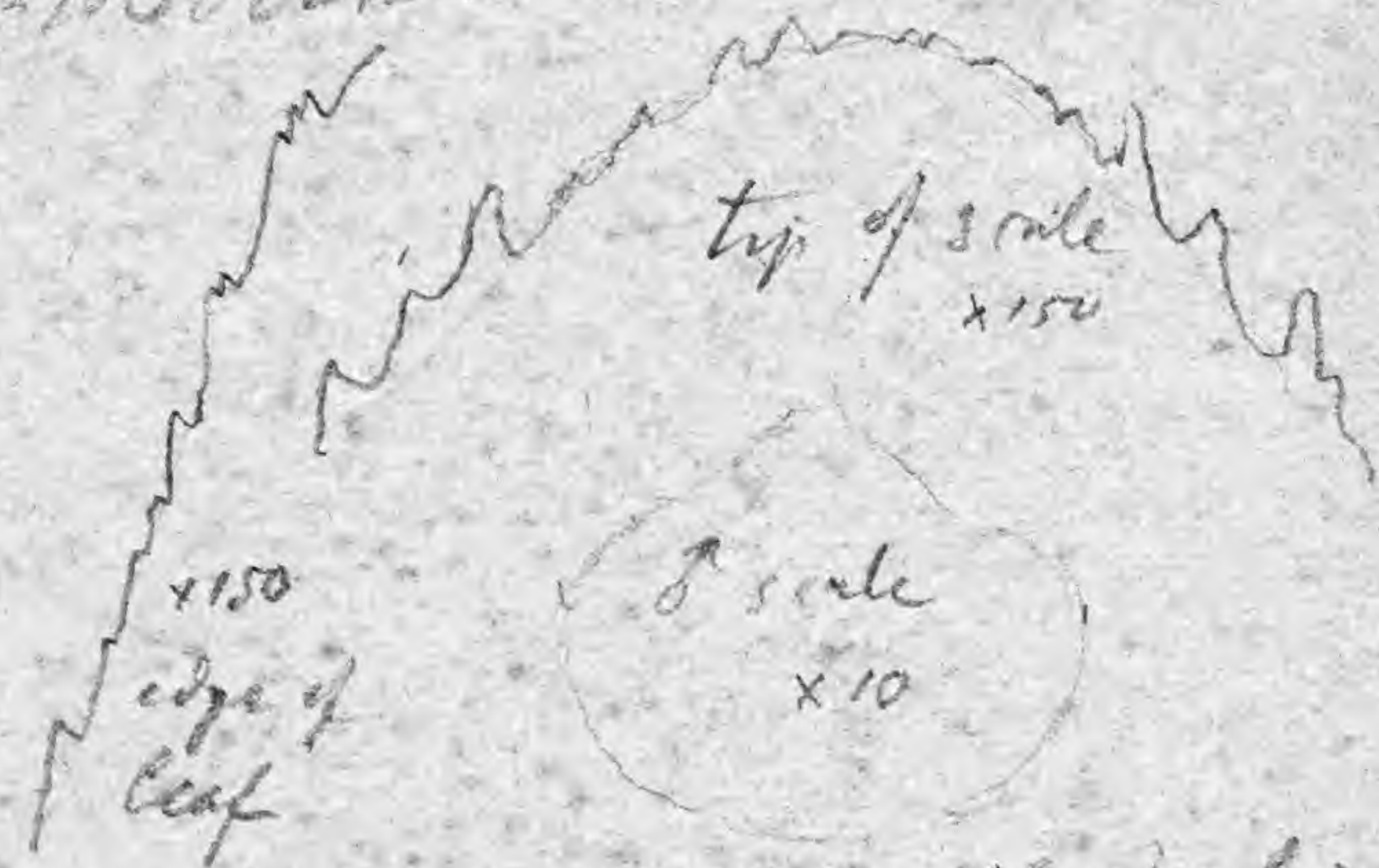
from 1300, Mexico, Ehrenberg in HB Berlin



x250



top of scale  
x150



top of scale  
x150

x150  
edge of  
leaf



♂ scale  
x10

Aschenborn in HB Berlin

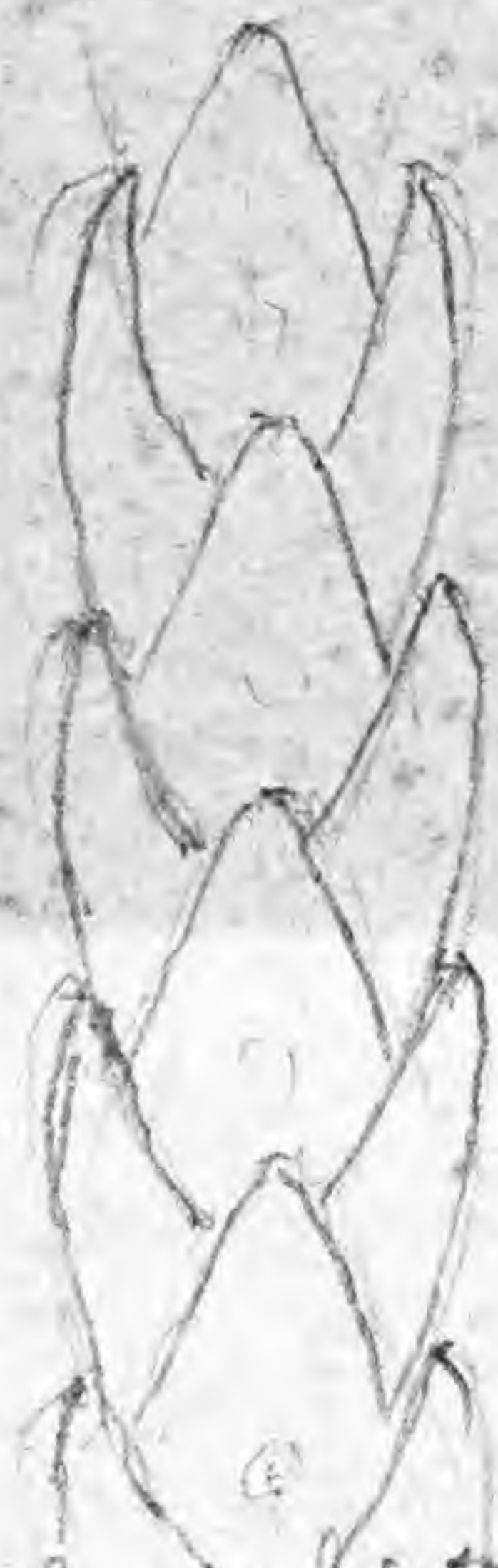
leaf edge delicately serrate  
not dentate



x4

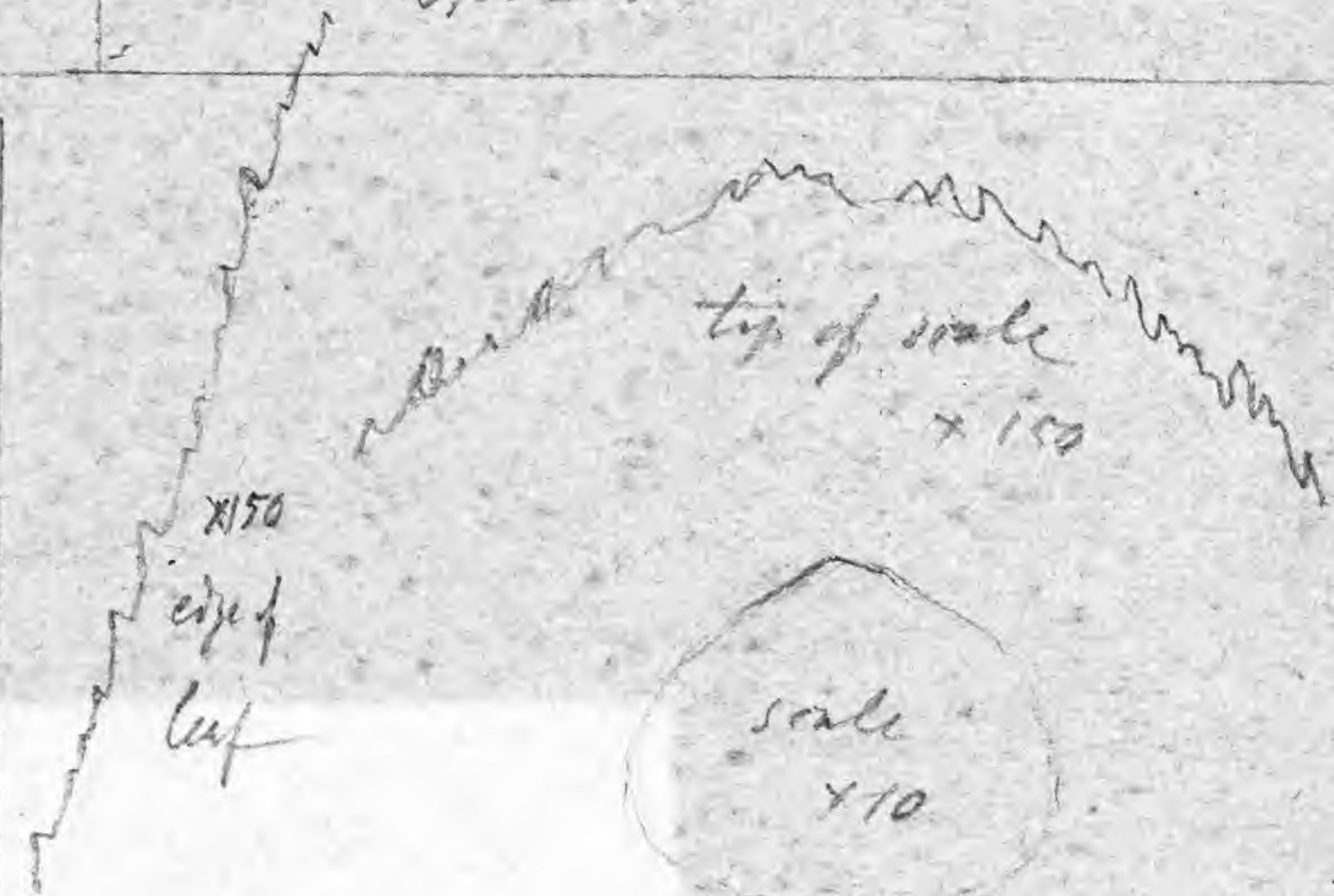


x10



on upper part of scale  
Cone 6-7 lines diam, 8 scales  
glaucous, knobs acutish rather prominent

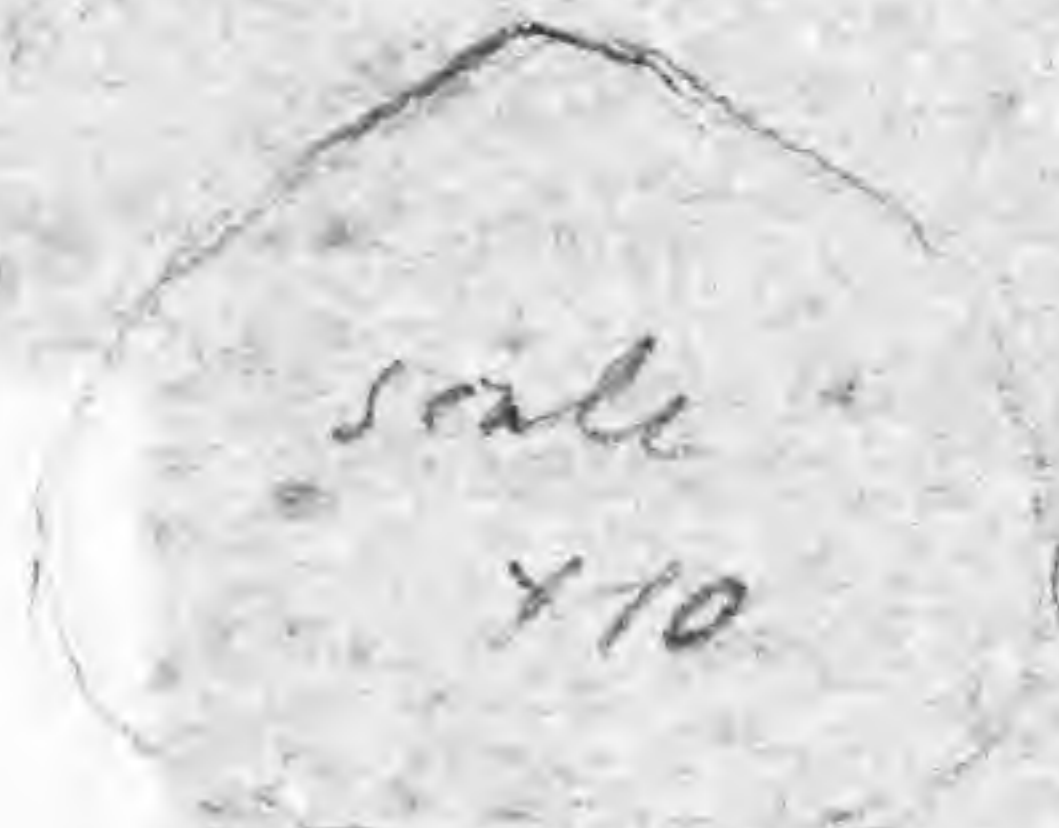
gland indistinct



x150

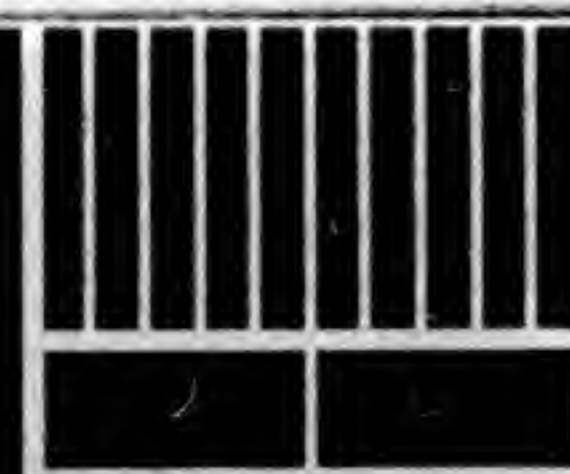
edge of  
leaf

top of scale  
x150



scale  
x10

gland wing 437



0 1 2 3 4 5 6 7 8 9 10

cm

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10872



0 1 2 3 4 5 6 7 8 9 10

cm

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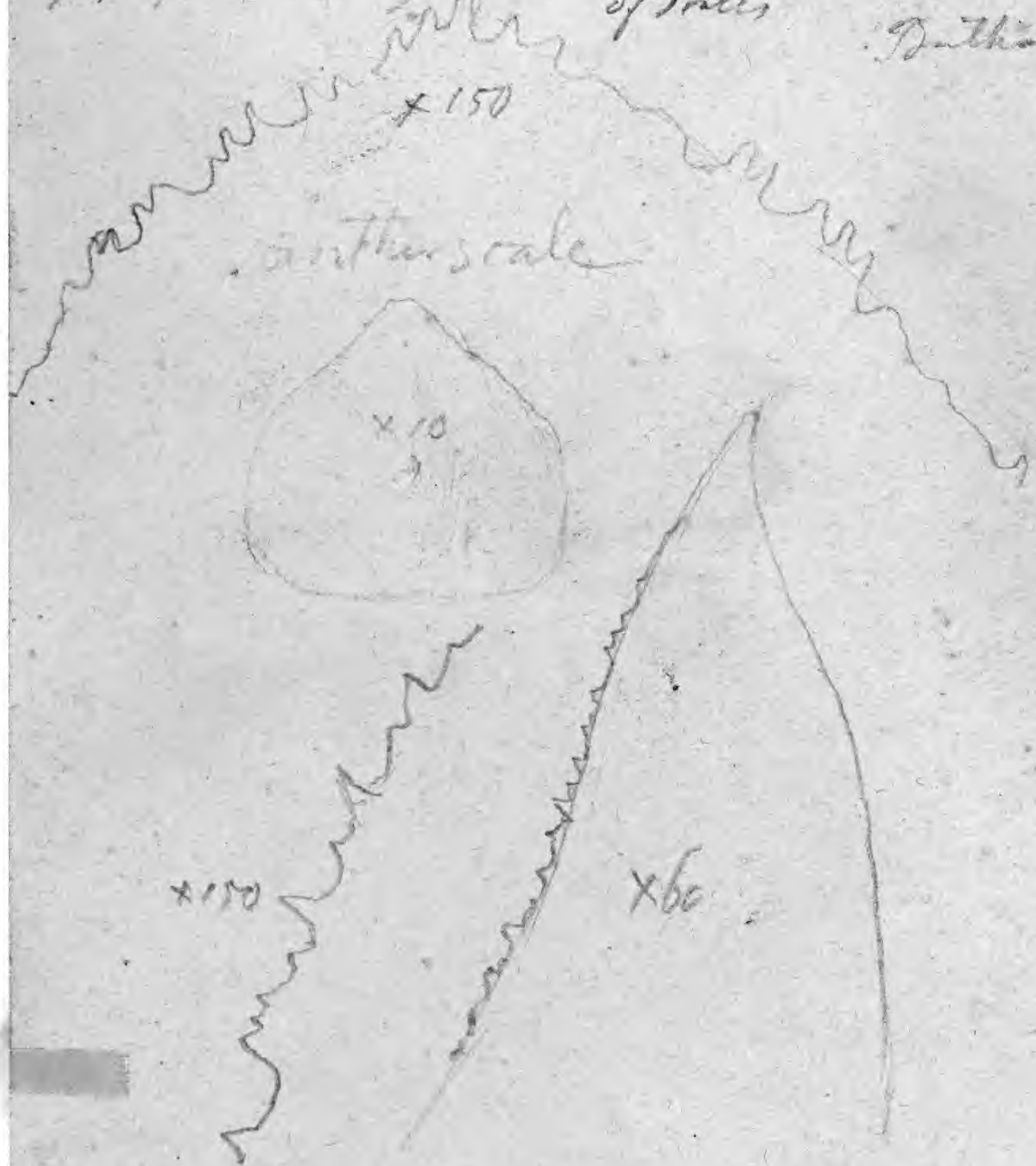
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GARDEN

Cupressus

Howard's Garden San Mateo cult  
1880 Oct 9

anthers 8 pairs  
fern fl. tetragon on keel  
of scales No. 1.

Duthie?



Cupressus

Dec 11 1881

San Mateo Cult 1880 Oct 9  
Howard's Garden

fern fl. tetragon on edge of scales No. 2.

No. 2



0 1 2 3 4 5 6 7 8 9 10  
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0 1 2 3 4 5 6 7 8 9 10

cm

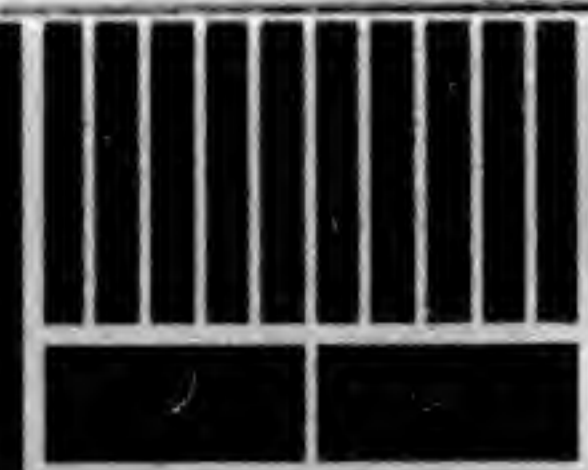
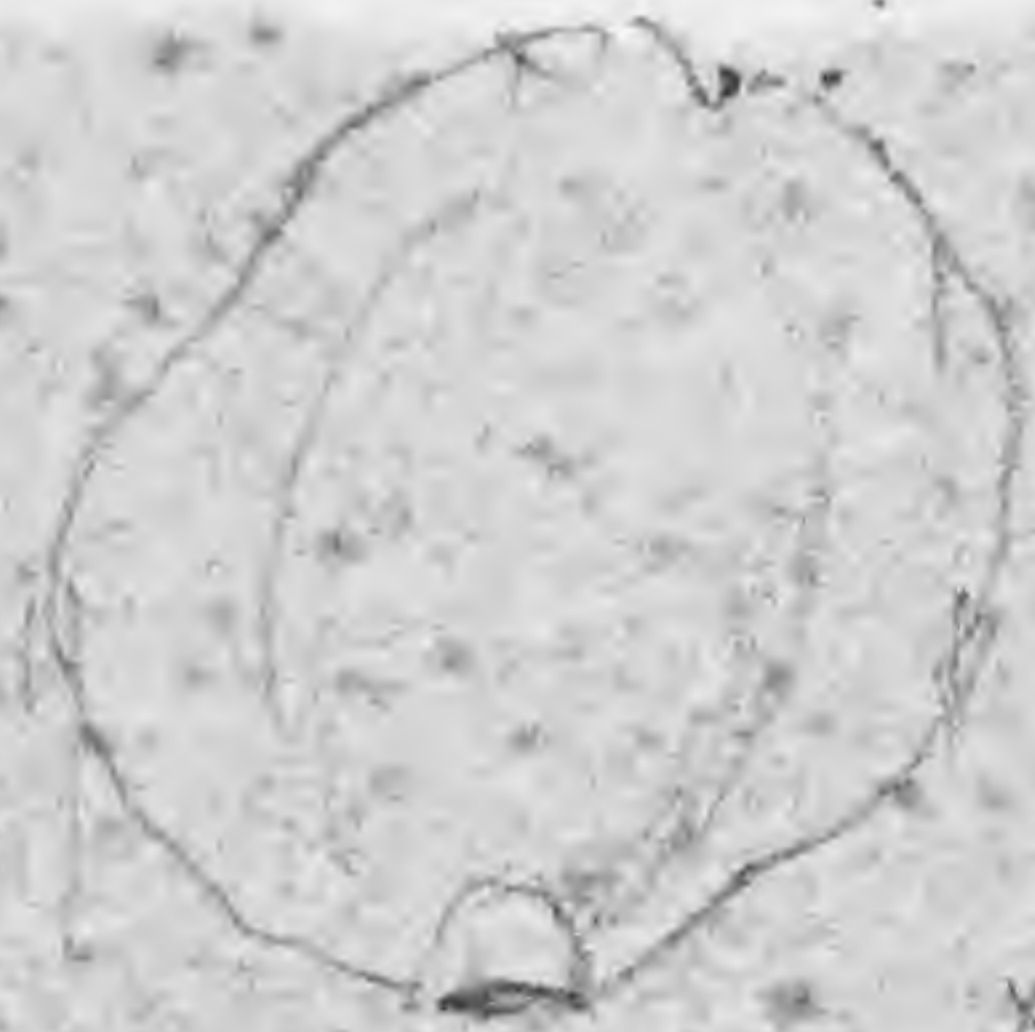
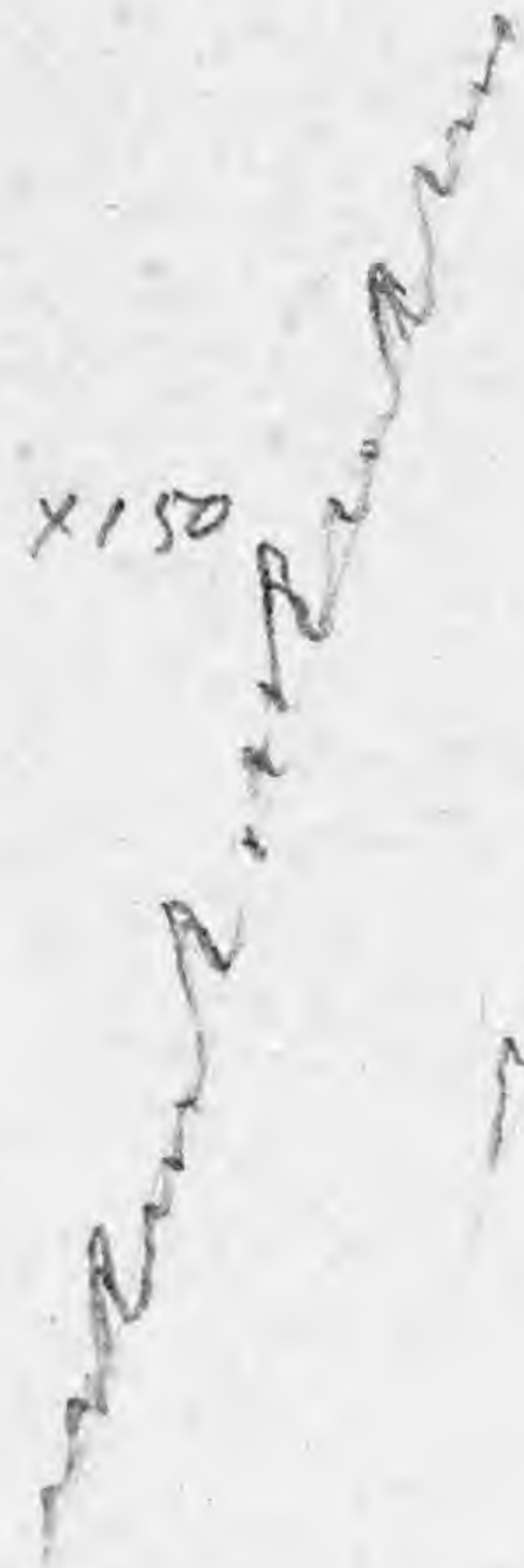
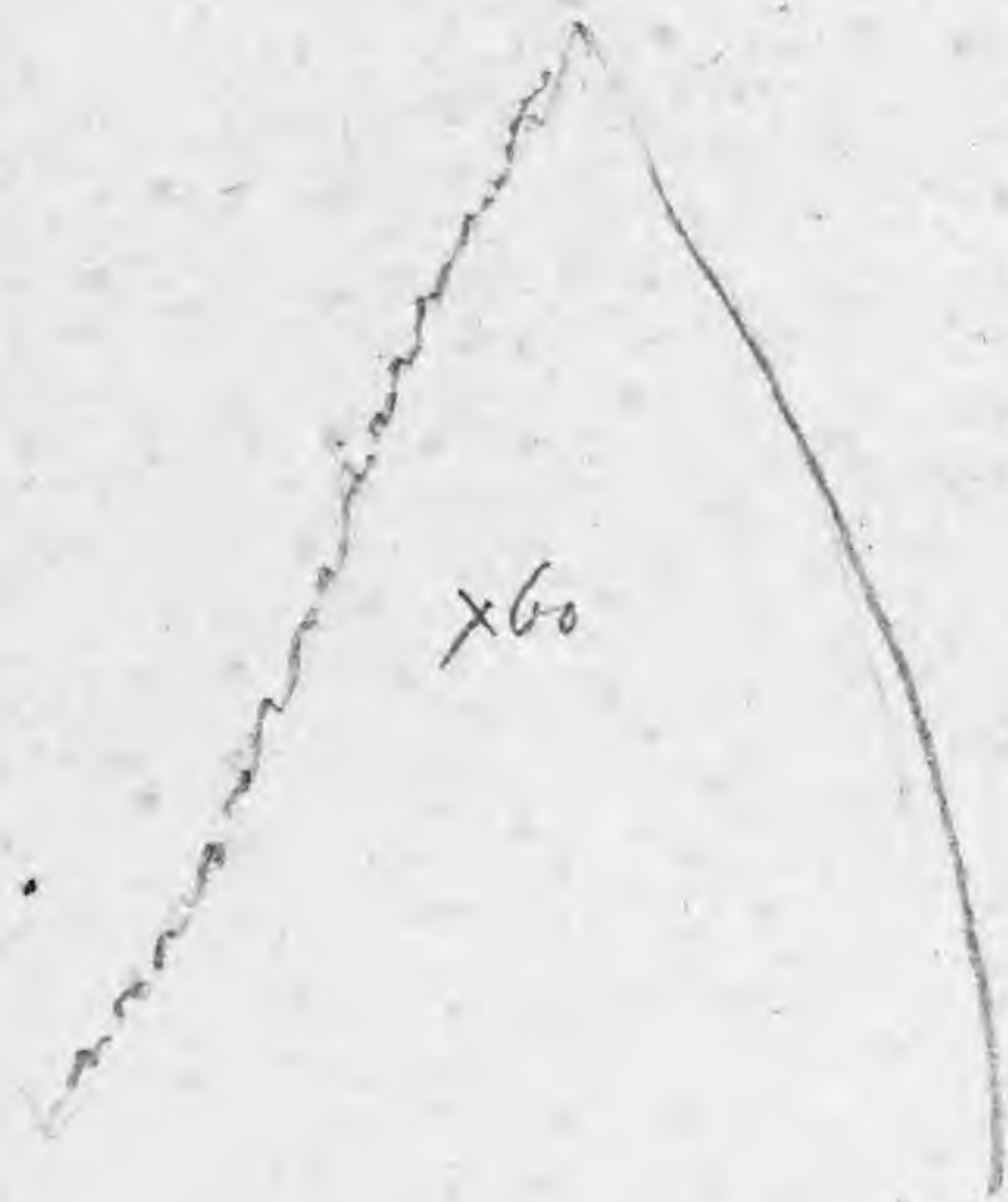
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*Cupressus Sadeleyi*  
with Horn Thicket, Antioch Feb 1869

Nov 24 1881



0 1 2 3 4 5 6 7 8 9 10

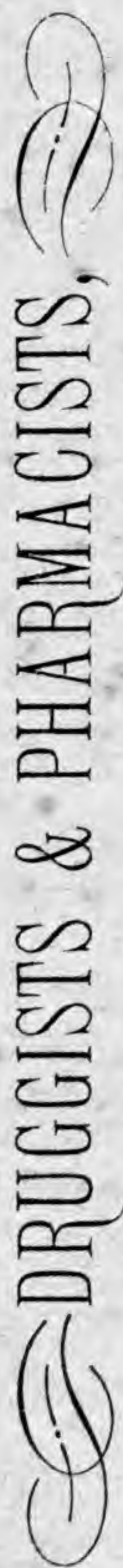
cm

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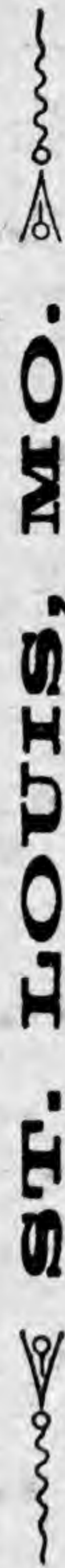
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cm

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