

— CACTUSES.—One of the nicest gardens near Paris is that at Poissy, on the river Seine, belonging to M. LORENZO COURANT, a real amateur of plants, who has been very successful in the hyridising of Cactuses and Gladioli. His place is on the site of an old Commanderie des Templiers, destroyed under PHILIPPE LE BEL, and made by him into an abbey. In the garden are still to be seen the remains of the "oubliettes," or dungeons, which seem in olden times to have been indispensable in any large place, whether a castle,

MICLE.

[DECEMBER 14, 1878.

prison, or even a monastery. With this exception there is very little left of the old buildings. Attached to the house is a conservatory of good size, with some good specimens of Tree Ferns, Palms, Adiantums, &c. The conservatory unfortunately is completely bare of climbing plants or hanging baskets, so that it looks a little bare. Facing the conservatory is a good sized "jardin Anglais," with some fine trees, an Abies Pinsapo 18 metres high, a Cedar of Lebanon, only thirty-five years old, planted by the proprietor himself. This tree is of a very large size, and looks a great deal older. There is a good collection of Conifers, all in good health. From this we pass into the kitchen and flower garden, where are the houses. Here are several large beds of splendid Gladioli: most of them very good. Fine bushes of Tritoma Uvaria, ten to sisteen sine plants of Bambusa aurea, some good tuberous Begonias, a collection of Vines, comprising forty varieties, several houses containing Camellias, Azaleas, &c.; and last a lean-to house, with a collection of about a hundred Cactuses. They are planted out in this house and trained against the wall; they seemed very vigorous, and we were told they bloomed very freely. M. Courant began by crossing speciosissimus grandiflorus with Hookerii, and kept on crossing the offspring from these. The flowers are most magnificent, and of a very large size. The following are the best amongst the lot:—

Amabilis perfecta, good shaped flower, flesh-pink, with the interior of the corolla cherry-coloured.

Aurantiaca superba, very brilliant, dark orange. Aurore boreale, brilliant yellow sepals, corolla cherry coloured.

Boule de Feu, globular-shaped flower, yellow sepals, violet corolla.

Marguerite Bock, very dark pearly lilac.

Claire Courant, flesh-coloured.

Courantii, pure white, outside petals of lemon-yellow.

Eblouissant, very fine, purple-tinted violet.

Ganymede, open flower, pinkish pearly lilac; corolla of a brilliant cherry colour.

Hannah Wilson, perfect flower, pearly light lilac. Madame Lemarchand, velvety pink; corolla white. Rosea splendidissima, velvety pink; corolla white.

Miss Richardson, perfect shape, bright lilac.

Alice Rosciand, red-orange.

Jules Simon, dark orange, edged with velvety-purple lilac.

Madame Simon, middle-sized flower, light carminelake, inside of corolla white.

Triomphe de Poissy, tips of petals bright orange, edged with violet, pearly white.

Thiers, middle-sized flower of perfect shape, numerous, petals red-orange, edged with dark violet. Madame Courant, large flower, velvety pink.

These are really worth growing, and M. Courant offers cuttings to any one who may wish them. They are grafted very easily, and have been grown in

several places in France with success.

VIOLENT SNOWSTOR

been packed in the most careful manner, as they are as fresh-looking and whole as if just cut from the plant. There are many decorative purposes peculiar to the Christmas season to which these fine plumes could be put, and their cost is not so high as might have been expected, seeing they have come from a far distant country.


SCUTICARIA STEELII.—A well-grown plant of this beautiful Orchid is now in flower in the col-


5... wo room on o meants and nvers.

CIMICIFUGA RACEMOSA (see p. 557).—Some time since we gave a woodcut of the stem and seed-vessels of a plant under the above name. We have been reminded that the plant represented was C. americana and not C. racemosa. We were led into

MISSOURI BOTANICAL GARDEN GEORGE ENGELMANN PAPERS







Myllowater

months the my degree some Transac. of which Jo until no edition some Philosophical in published Jo 1851, print have third as well in in can the published been not H the writings in Society. had was in year forth memoir that exposition) which Physiology, these Royal set for my thesis, explicitly in the Jo that Transactions appearance read at omparative WATTERS' therefore, (containing was was rine pape Philosophical sheets General my same 18 before earlier

that

fact

published is of the fac

was

and

Societ

Royal

before the

read

as

that

33

but been has subject the on written since have whatever And months

Being somewhat ot, and never did, think of article of priority Philosophical Transactions respects CARPENTER'S substan-Nor yet do we thin that understand he does not claim many ice to the province publishing not, in Dr. to the physical." arguments " t, when publis compliance with prefers a claim our question. not 'as generally taught; that celebrated memoir in the F saying that nseq that, CARPENTER'S reputation for truth and honesty in quite correct in supposing that Dr. WATTERS pref (and " recently" course, forces are correlated in remark not communication, did of safe must which, letter refers, we have feel " Correlation Theory " as we CARPENTER to views, we developed in the assertion to ourselves vital this so-called insert this -an s. justice M own, which willingly MS 0 in that the those TTERS very v But doctrine but acquainted Jo identical request. called

copyright reserved

MISSOURI BOTANICAL GARDEN PAPERS

advices The and well-known are Manual usual treatise. fast HENLE'S in 2 number shower little features, can behind colors, The last fasciculus comprehensive of be Dissection announcement monographs expected, among hand, certainl by whic may

the

lecturer

on

Bartholomew's,

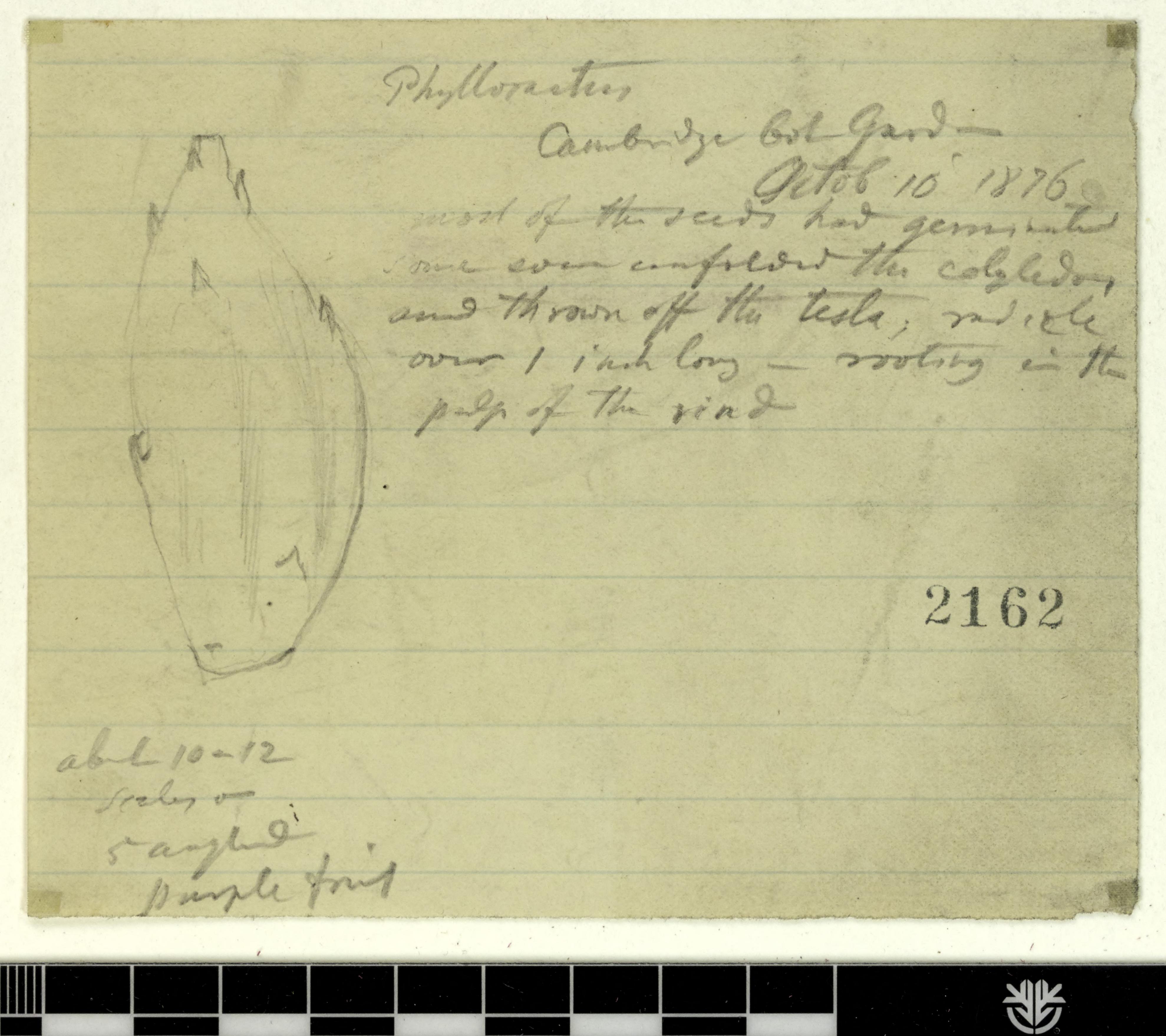
has

cranial RUEDINGER nerves Eye, by Prof. sciences rées eléments 7 AETZ. Munich, anatomiques des épithéliums; relles trated eporter, of Cleveland, 12mo., has is: Philadelphia. the 46 figures issued work Anatomy an of on anatomica is Prof. steel and recer

few French monographs on physiological subjects are presented: [AMP, De la circulation du carbone dans la nature, etc., being the











MISSOURI BOTANICAL GARDEN GEORGE ENGELMANN PAPERS



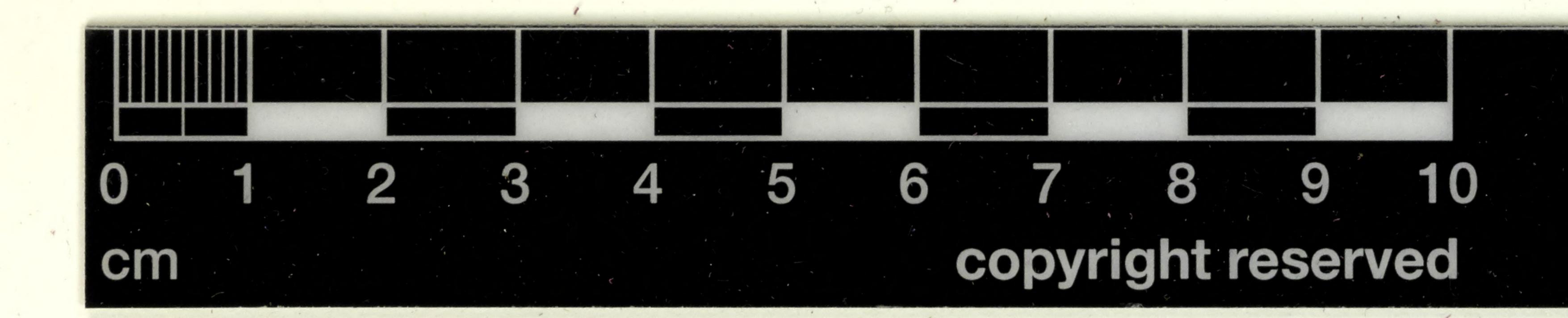


274

gressive failure of the heart's action in inanition, than of hoping for a permanent good result, I injected the two-hundred-and-fortieth of a grain of sulphate of atropia into the arm of an infant ten weeks old, at a time when, excepting a few beats now and then, the pulse was imperceptible at the wrist, and the cardiac systoles only 80. Within four minutes, the pulse rose to 100, and each beat was quite perceptible at the wrist. In eight minutes, it had increased to one hundred and ten, and was quite regular and distinct. The stimulant continued for the next three hours; and at the end of this time the pulse was too, of good volume, and of sufficient force to bear compression without obliteration. The respiration remained unaltered, and the pupils dilated from one-twelfth to oneseventh of an inch. The stimulant effect upon the pulse continued to within half an hour of the death of the child, five hours and a half after the injection of the atropia.

As a diuretic, belladonna may be used in cases of suppression of urine, whether accompanied by uræmic symptoms or not. As both the sluggish circulation and the torpid kidney are simultaneously aroused by the medicine, there is ground for expecting a restoration of the renal secretion.

In acute nephritis, we may hope for beneficial results from the use of belladonna, which, coming in contact with the irritated and congested organ, will doubtless calm the nervous irritation, and at the same time contract the dilated bloodvessels. I am at the present time busily employed in determining the effect of its operation in congested and lney; and, so far as my experience nflammatory





given, there will be superadded a fluttering sensation in the cardiac region; slight delirium, manifested by picking and other motions of the hands and fingers in the air, as if they were in contact with real objects; muttering and smiling; staggering, or complete inability to walk.

The same symptoms, including acceleration of the pulse, follow the administration of belladonna or its active principle by the alimentary canal. . . It is clear, first, that belladonna has no action on the vagus nerve; and secondly, that its effects are precisely the same, whether it be administered by the skin or by the stomach.

. . The kidneys are active in the elimination of atropia from the minute when it enters the blood until it is entirely removed from the system. In the case of a full medicinal dose, about two hours are required for this purpose. Availing myself of its dilating action upon the eye, I have repeatedly demonstrated the presence of atropia in the urines of different individuals, eighteen, nineteen, and twenty minutes after the subcutaneous injection of the forty-eighth and even the ninety-sixth of a grain of sulphate of atropia. . . In ten patients, the urines secreted immediately before and during the operation of the medicine were analyzed. The result was uniform. During the action of the belladonna, the urea and the sulphates and phosphates were increased; and, as a rule, the chlorine was proportionately diminished. The increase of the urea was disproportionate to, and considerably less than, that of the phosphates and sulphates.

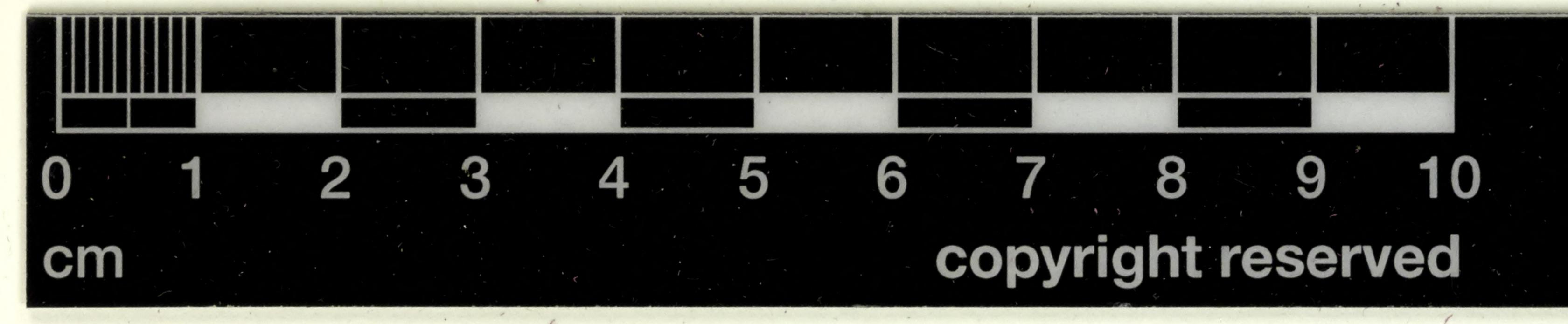
Atropia, as we have seen, is in the true sense of the word a diuretic, and a more powerful one

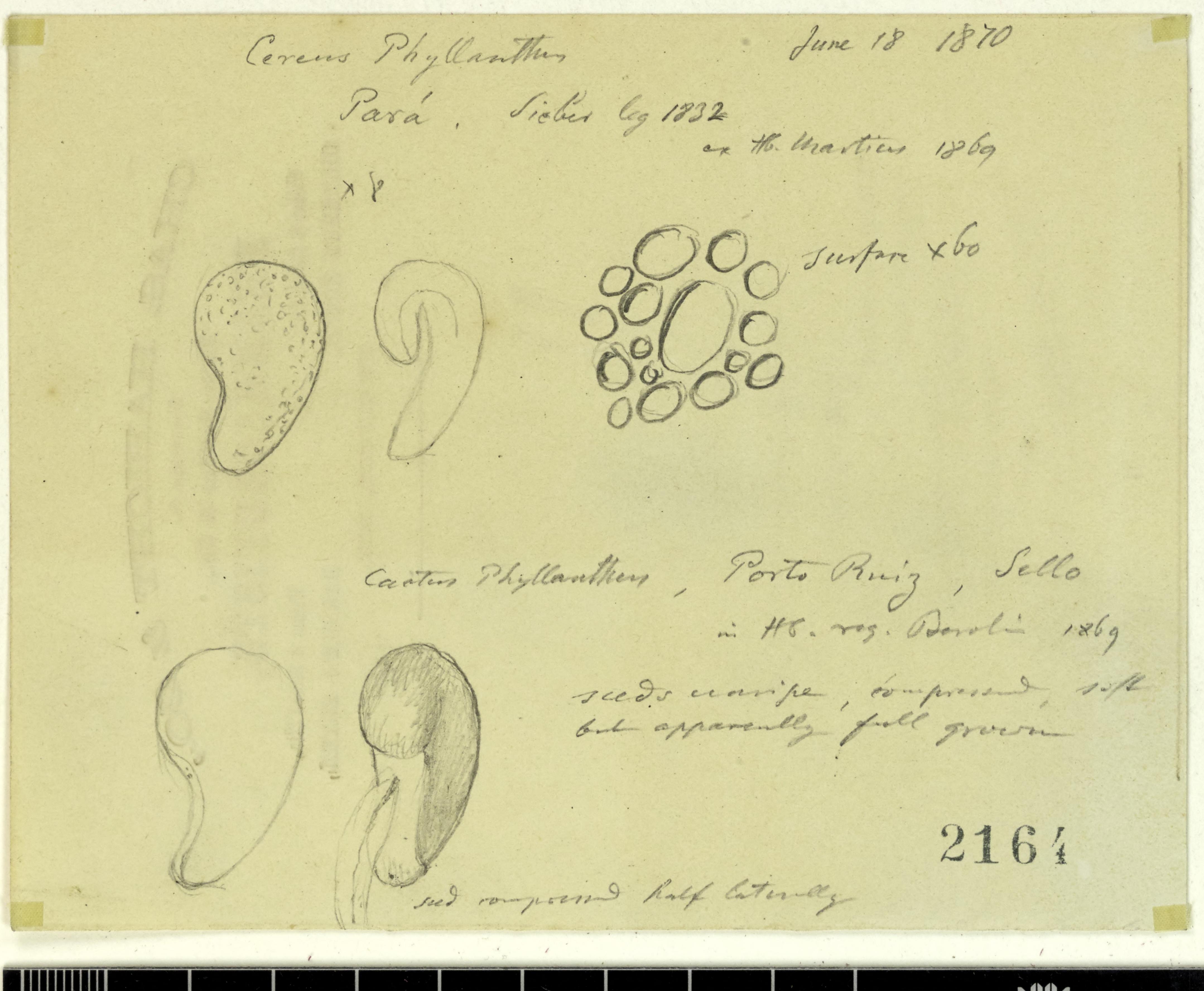
NGELMANN PAPERS

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

June 16 15/20 "Cactus alatus" 2163 Pern Ruiz ex Herb. Ruiz in Herb veg. Besolin 1858 then in the New Granada

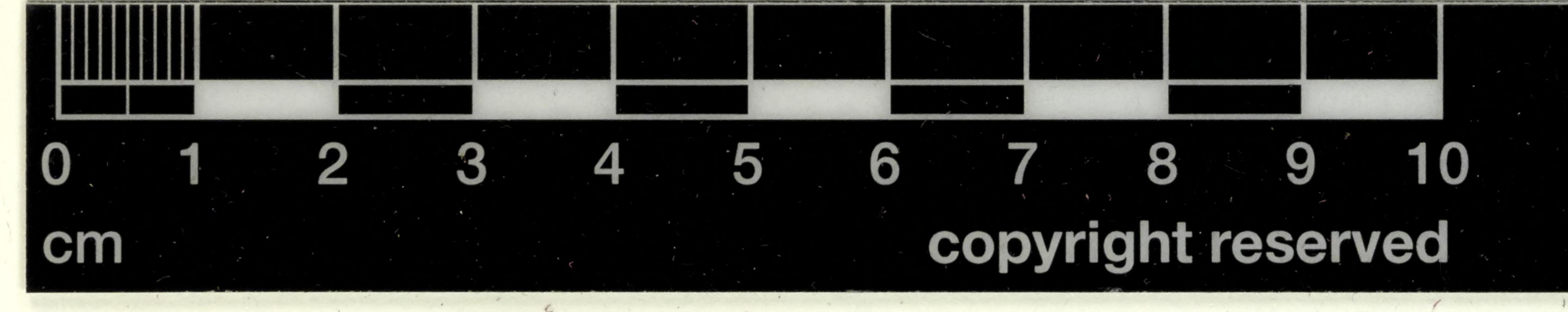








June 16 1870 Cereus Phyllanthus Parumaibo, Surinam, Wullschlagel, in Hb. Martins flor 8 pollionnis gravillimus münchen 1857 2165



Cerens Phyllanthus & C

Hot but Vindobon 1834 rer 2 1858

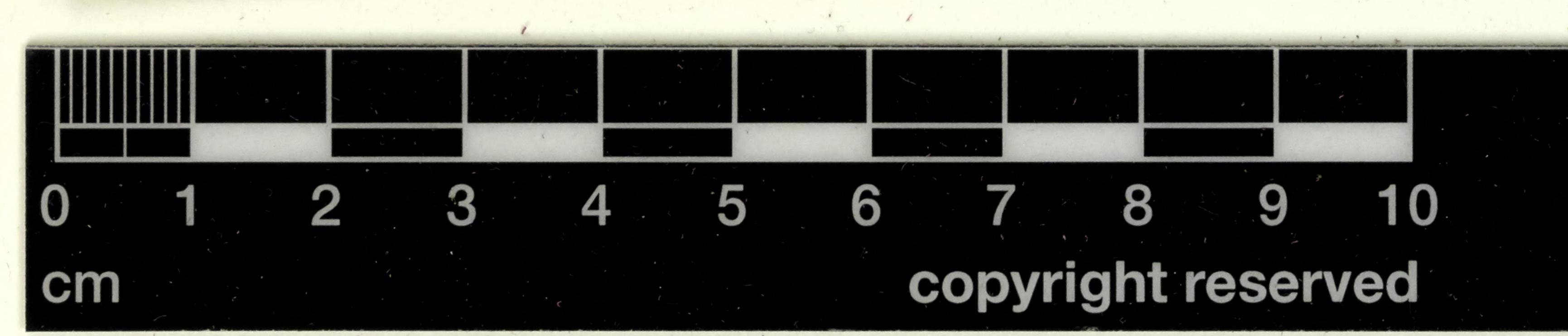
×8

Seed a little smaller Than
those from New Granada
and Farrier. Jip of
Cotyledns curved outward
in Two seeds examined

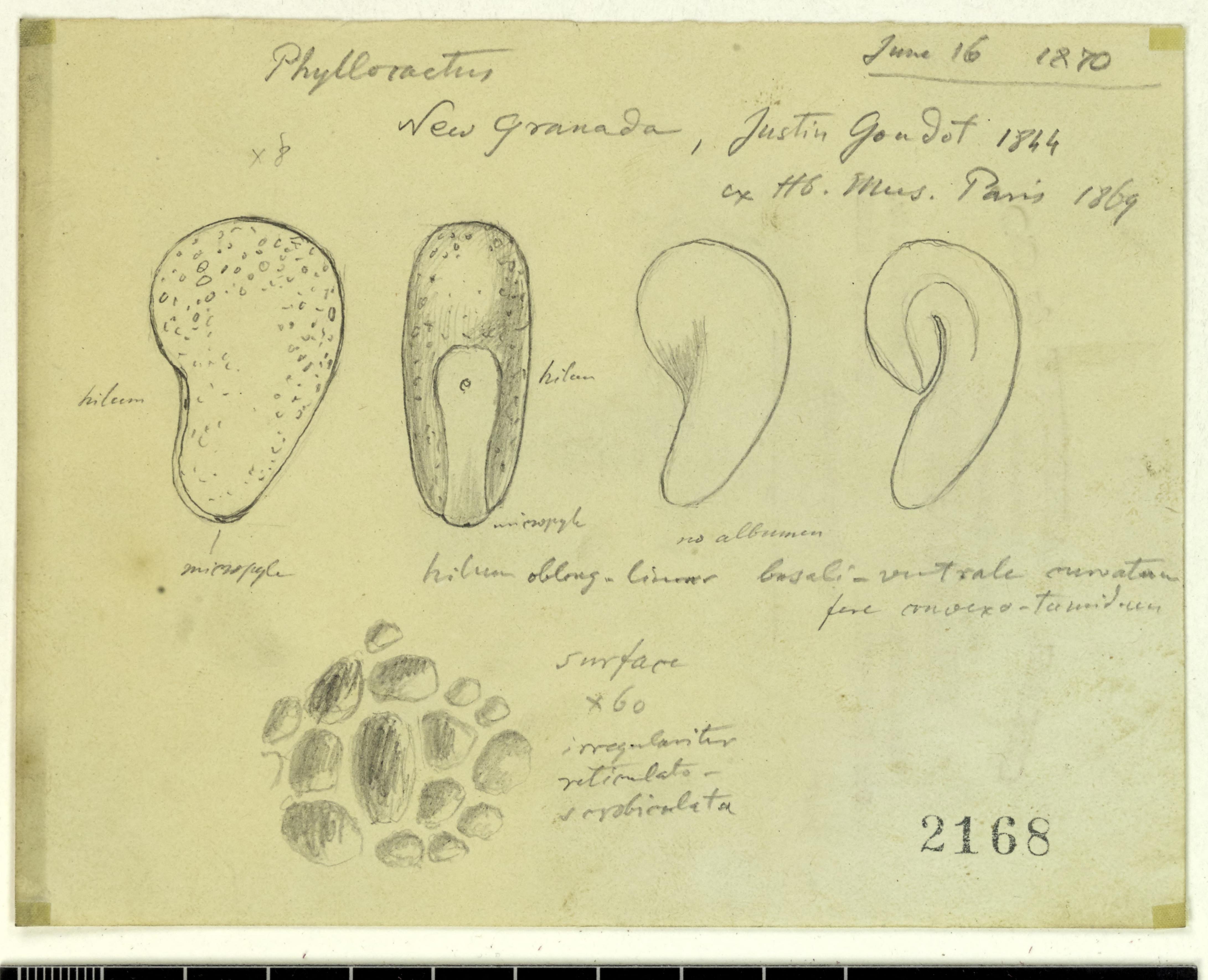
2166

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

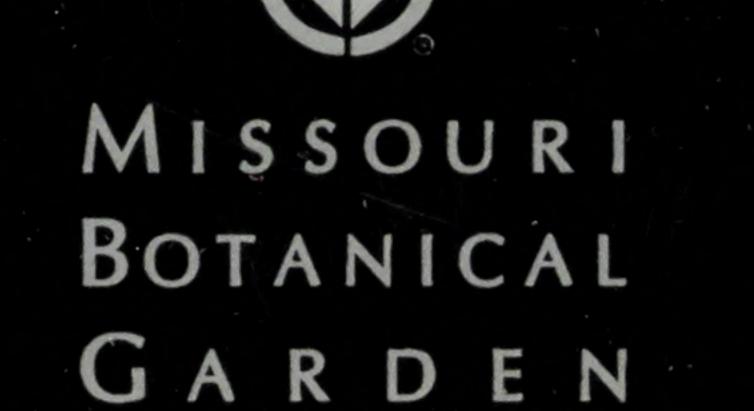
Lune 16 1870 Thyllopastur Jethmus of Danien, A Schott leg 1858 sæd exælly like gondot's New Granada plant, but only 2167



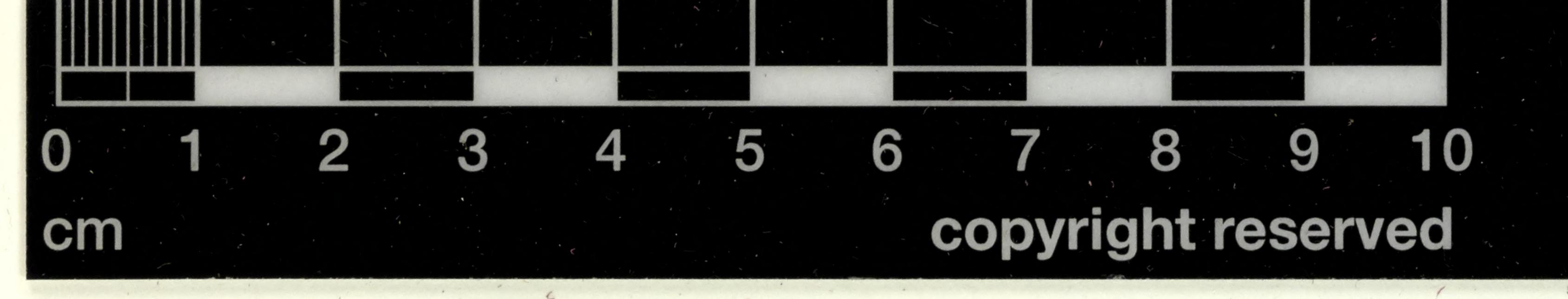








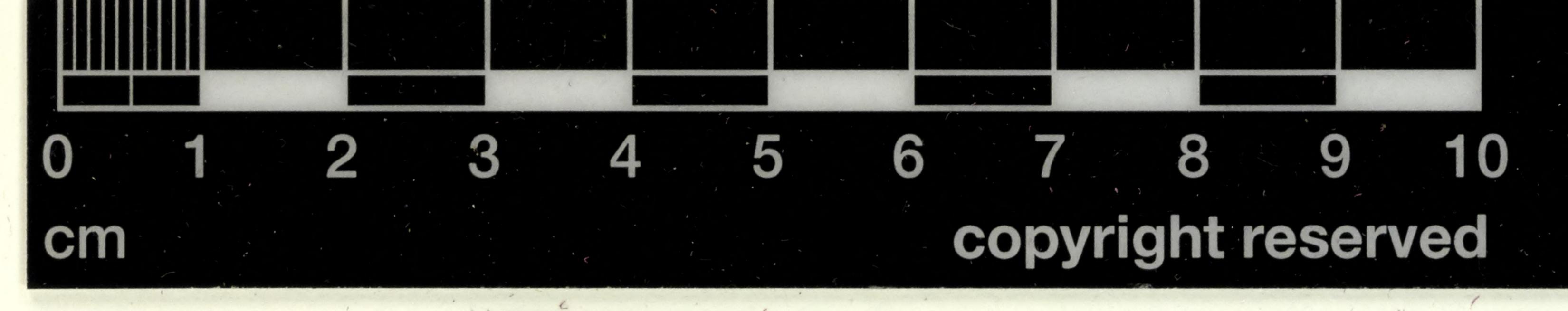
June 18 1870 Phylloratus Jenkinsonii (Hylis). alato - sperios irrium ? Host goebel, Stdown, Aug 1848 000 justan x 60 00000 jaregularly



Wainut

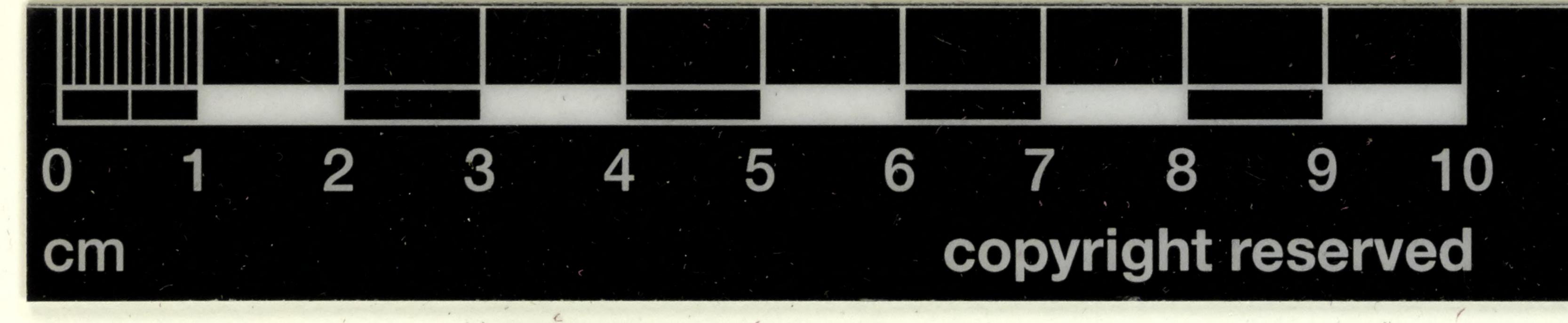
copyright reserved

Phyllocacter, Inne 48 1870 mex. ro, Kanssuski, ex Hb Monach. probing Cer. Aekermonni but sepals of owning with spinules hilum D Cihear 2 42/2-7 Jak simface skining indstractly retiralete. 2170



Wall

Wainut



2 mm 18 1870 Phyllocaetur, erenatur " fortilized with Pollon of Cer. speriossissimes" Jarobi, Cologne 1857 another seed said to have been form by a plant raised from these seeds " Hy Orig; menter The counters? pater Cer speriosiss. 6 is exactly the same or very slightly o o surface x 60 2171 e o o lightly & ingularly De inprised Dotted



Successors

Sander Enno

THE SERVICE OF THE SE

MISSOURI BOTANICAL GARDENS GEORGE ENGELMANN PAPERS

copyright reserved

June 18 1879. Cenores alatus "fartilized with Car speriosissimus" . Butin 1868, Guster A. Georgie surface at Affect places

2172

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

MISSOURI

BOTANICAL GARDEN