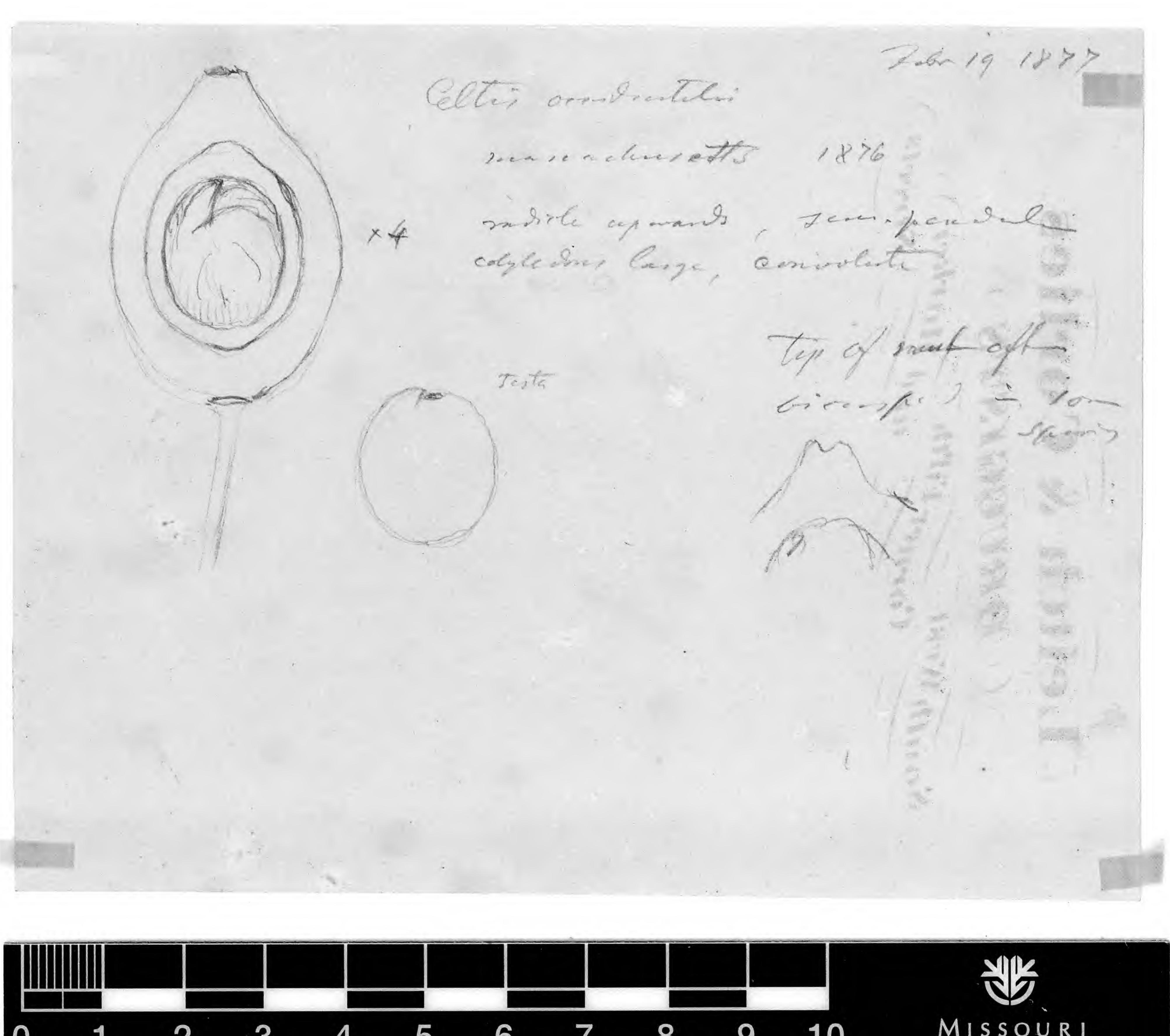


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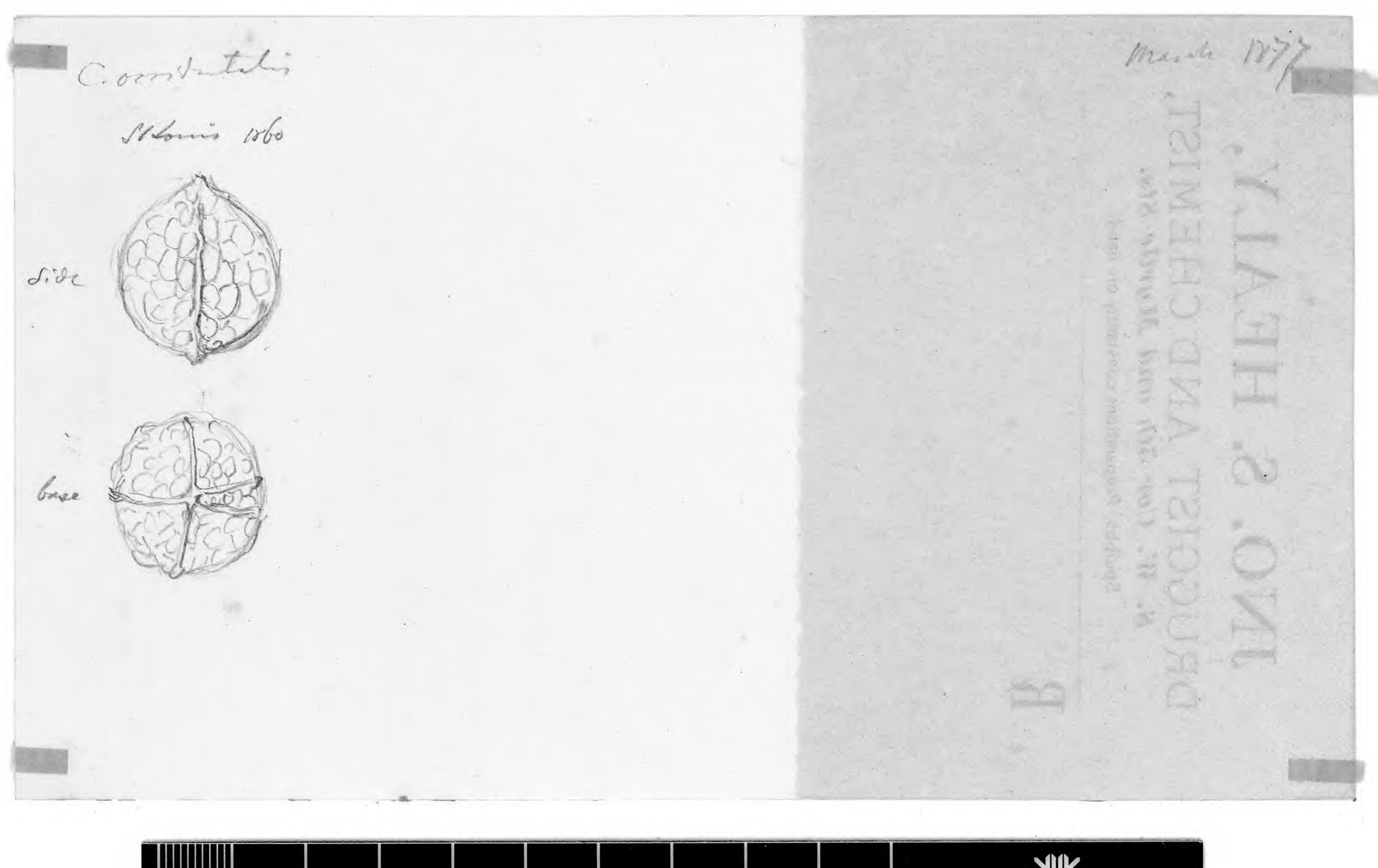
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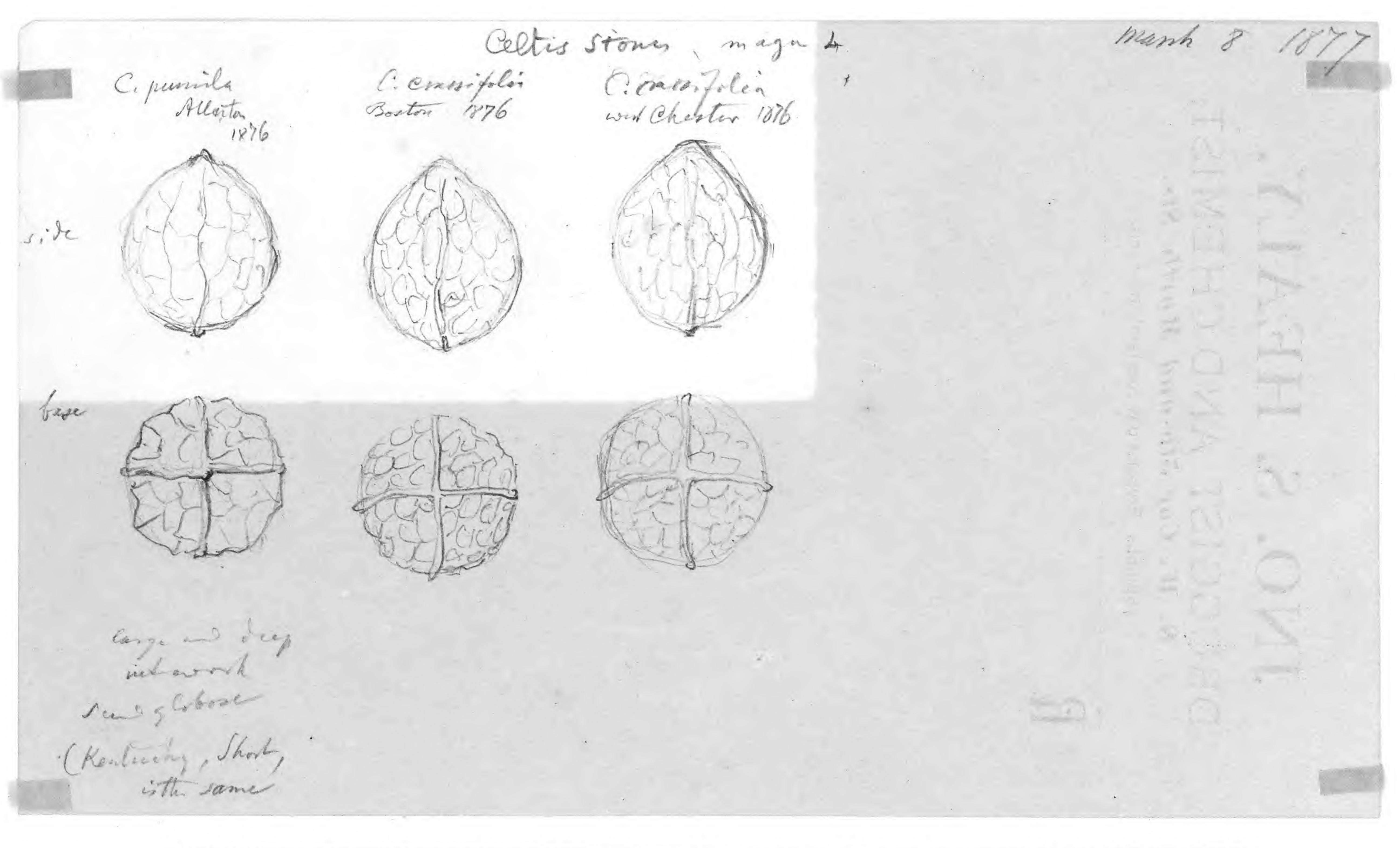
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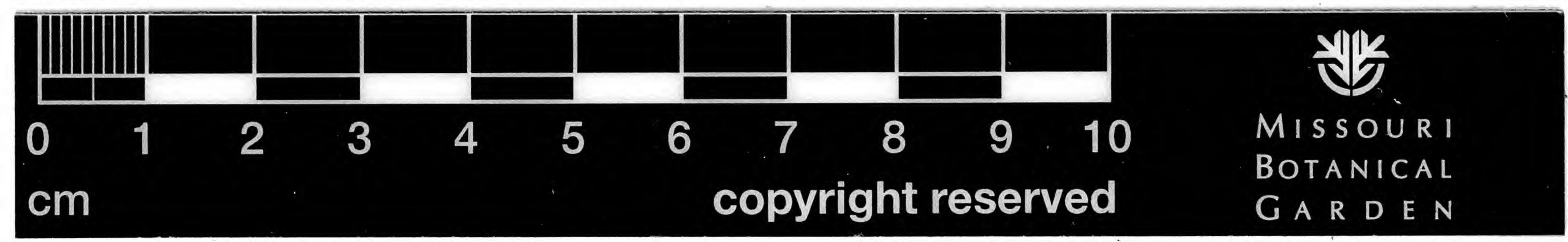




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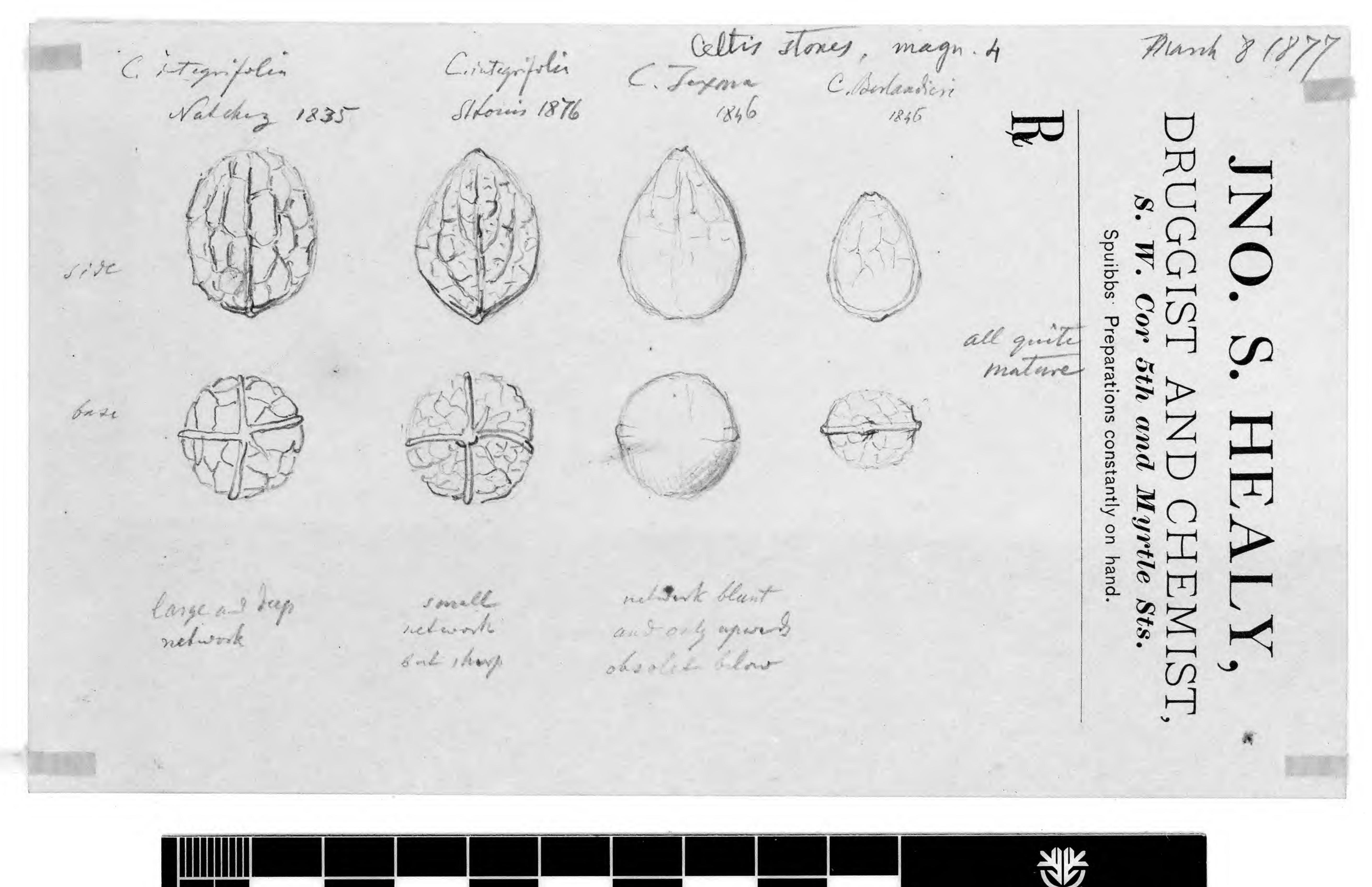




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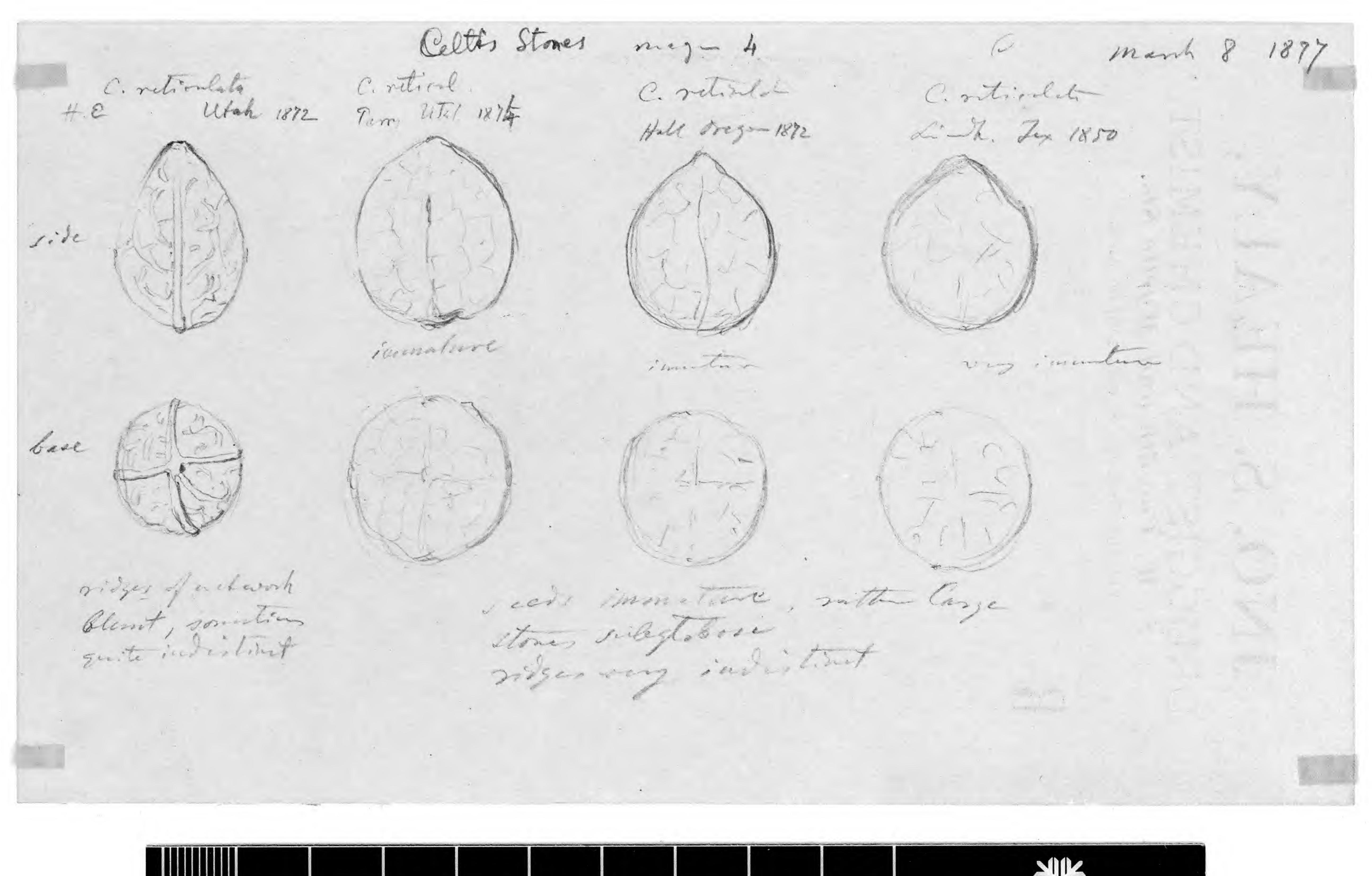












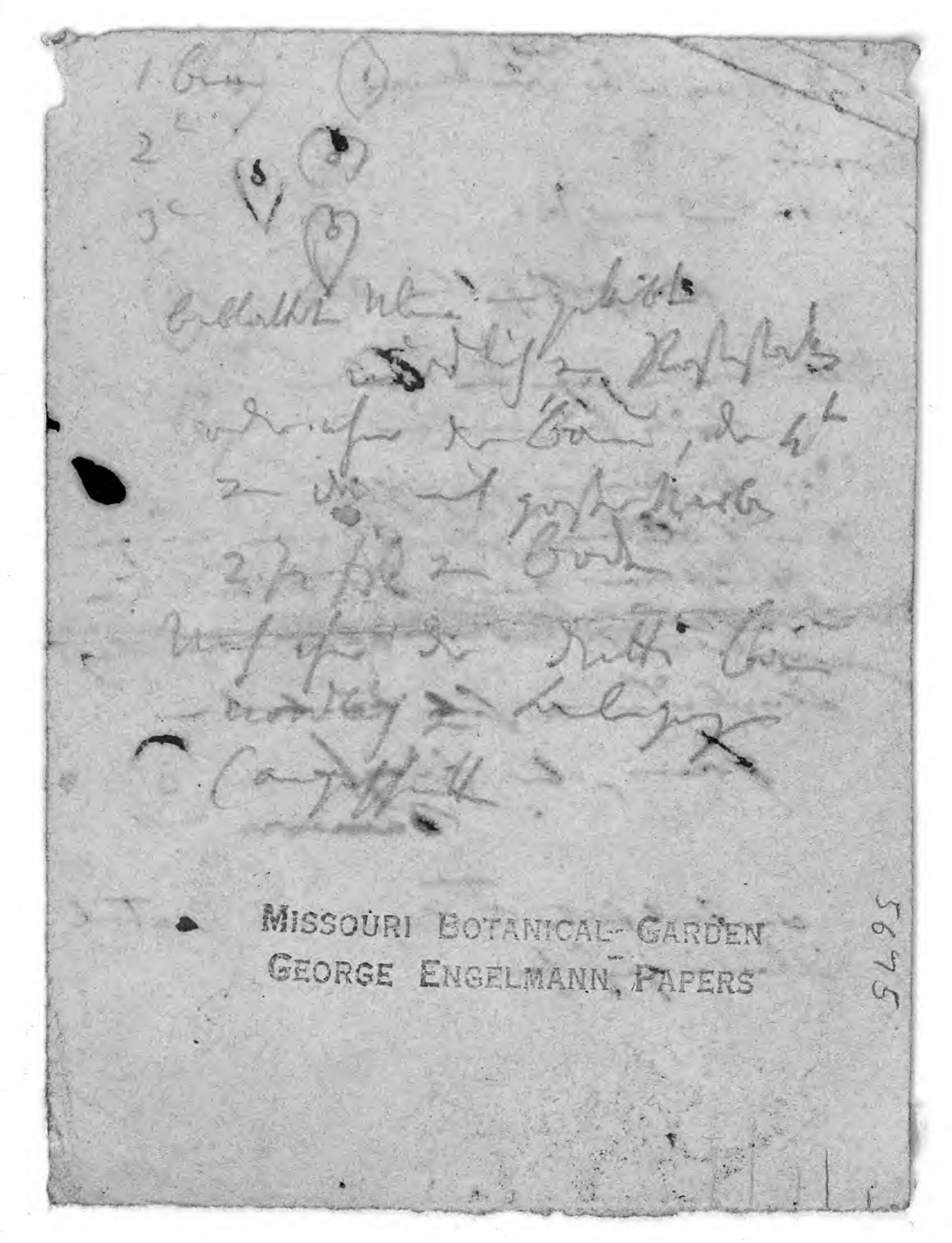


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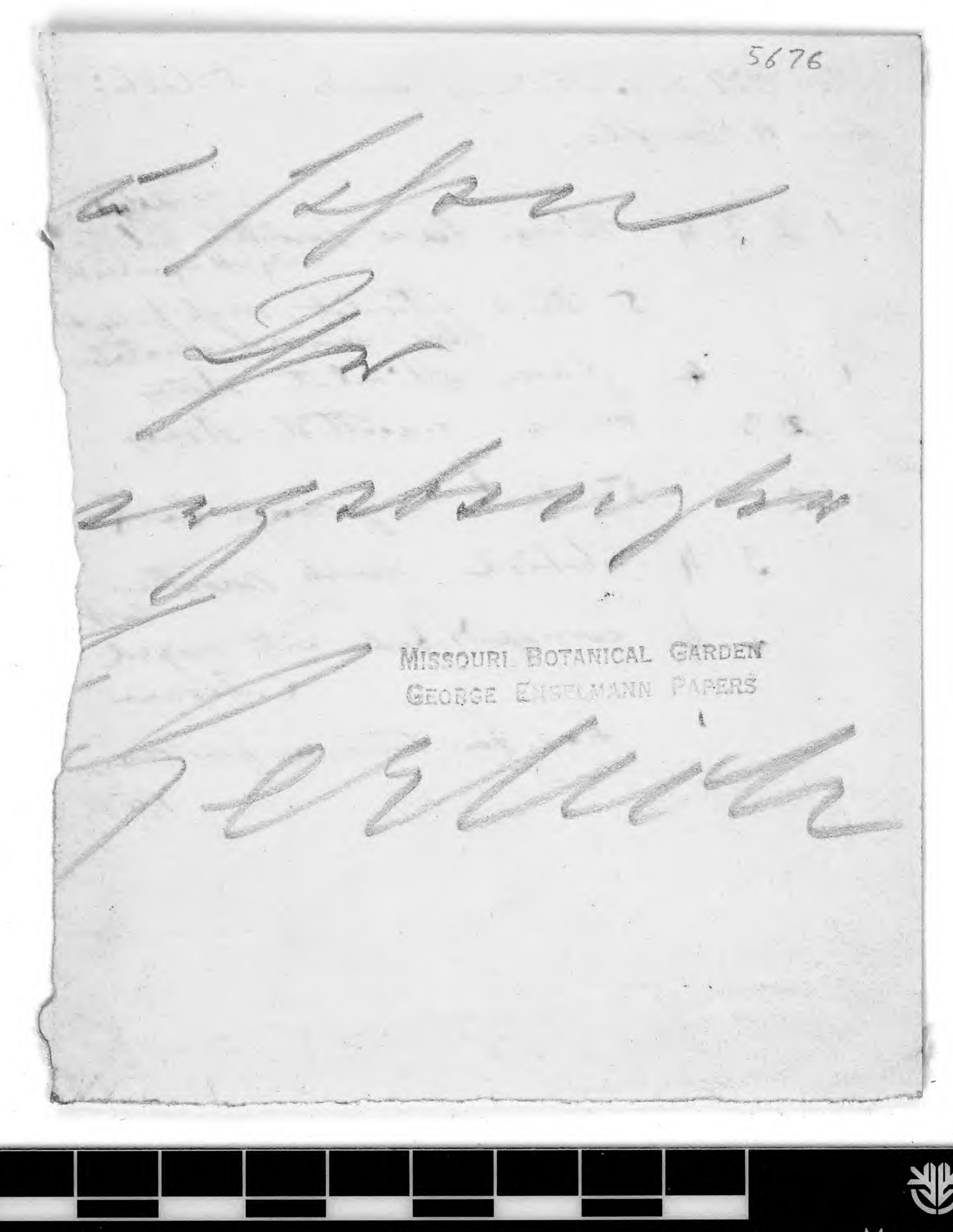




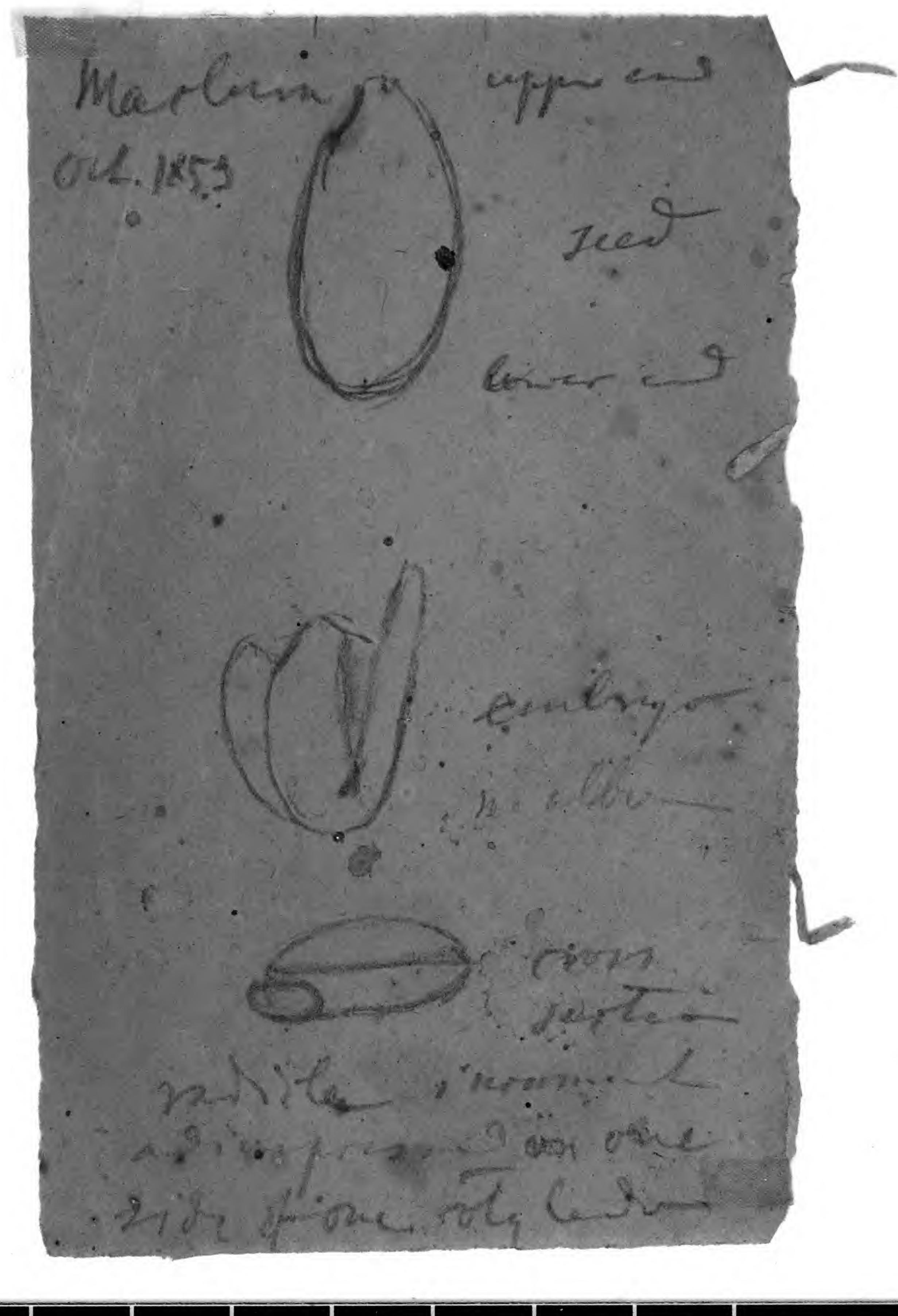
Nov 1899 La La Ther Eur Rends 5 Celli, frankles. 1 2 3 4 Thinner leaves smooths belowing 5 thick retributed, rough publicate below, somewhat semather 4 globore retiralet stone 5 n somoothis stone 5 dark very rough bark 3 4 whitish much smoother back 4 corresponds best with original C. Zexana has sometimes a few coarse

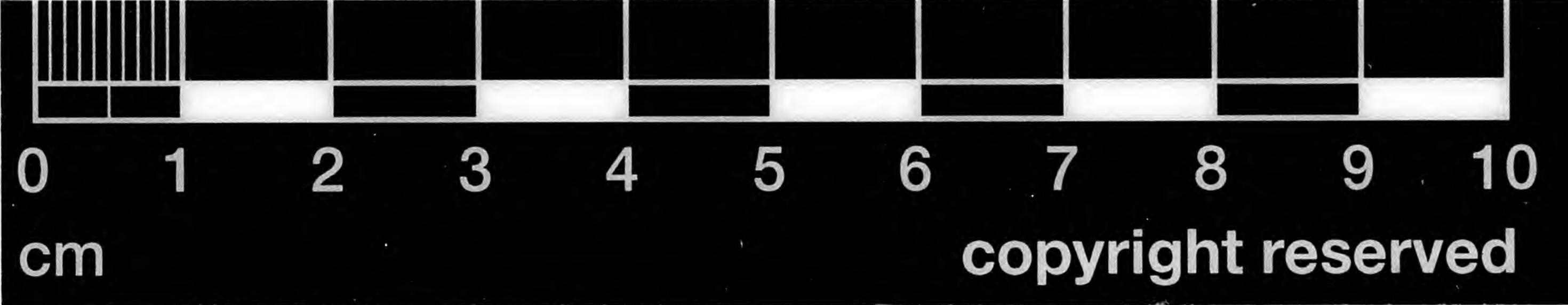


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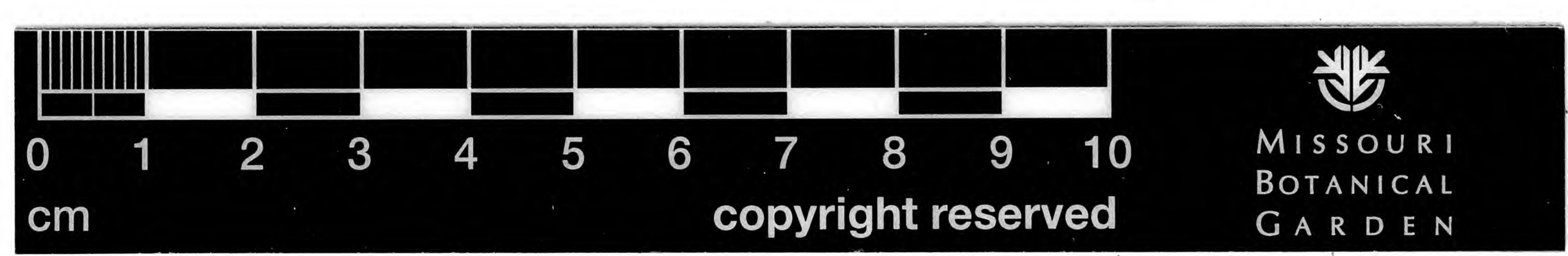












2. BOWLESIA, Ruiz & Pavon.

Calyx-teeth rather prominent. Petals elliptical, obtusish. Fruit broadly ovate in outline, with a narrow commissure, turgid, becoming depressed on the back, without ribs or oil-tubes. Seed flat on the face, slightly hollowed on the back, not filling the calyx. — Slender herbs, with scattered stellate pubescence; leaves opposite, simple, with scarious and lacerate stipules; flowers white, minute, in simple few-flowered umbels on axillary peduncles.

A dozen species, chiefly South American, one ranging northward to Mexico, Arizona, and California.

1. **B. lobata**, Ruiz & Pavon. Annual, weak and slender, thinly pubescent, the stems dichotomously branched, a foot or two long: leaves thin, reniform to cordate, $\frac{1}{2}$ to $1\frac{1}{2}$ inches broad, shorter than the slender petioles, deeply 5-lobed, the acutish lobes entire or 1-2-toothed: peduncles much shorter than the petioles; the umbels 1-4-flowered: fruit a line long, sessile or nearly so, pubescent, the inflated calyx not adherent to the carpels, which are at first but partially occupied by the seed. — Fl. Peruv. iii. 28, t. 251; Torr. & Gray, Fl. i. 601.

In damp shady places, from the Sacramento Valley southward, rather rare. The species doubtless includes B. tenera, Sprengel.

3. ERYNGIUM, Tourn. BUTTON SNAKEROOT.

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in irregularly compound few-rayed umbels, involucrate with sessile leafy usually toothed bracts, the bracts of the involucels small and entire.

A genus of a few scattered species, more than half of them native of North America, and of these only two are confined to the region east of the Rocky Mountains. The Californian species are chiefly limited to the Coast Ranges and are peculiar in their habit, small fruit, &c.

- * Leaves palmately divided, the lobes toothed, or lacerate, or pinnatifid with decurrent segments: rootstocks thickened.
 - + Mature fruit shortly pedicellate: flowers yellow.
- 1. **S. arctopoides**, Hook. & Arn. Stems very short, with several divergent scape-like branches, often much exceeding the leaves (3 to 6 inches long), each bearing an umbel of 1 to 3 elongated rays: leaves deeply 3-lobed, the cuneate divisions once or twice laciniately cleft, with lanceolate acute spreading segments: involucre of 1 or 2 similar leaflets: heads large, 3 to 6 lines in diameter, with conspicuous involucels of 8 to 10 narrowly oblanceolate mostly entire bracts: fruit shortly pedicellate, $1\frac{1}{2}$ lines long, naked at base, strongly armed above. Bot. Beechey, 141; Hook. Fl. i. 258, t. 91.

About San Francisco and eastward in the Sacramento Valley, in the plains and on dry hillsides. Strongly marked by its low scape-like branches, large involucels, and laciniately lobed leaves; plant yellowish green. The figure in Hook. Fl. represents the species poorly, and but for the large solitary head might be supposed to be from a low form of *S. laciniata*.

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