

transverse rugosities; pappus white, of about 15 bristles loosely long-plumose from toward the base, the basal part naked and scabrous and slightly thickened.

Mesas near Las Cruces, July 2 (no. 482). A species that may include much of the southern so-called *Stephanomeria minor*.

AGOSERIS GRAMINIFOLIA.

Perennial, 1° high or less, glaucous, the foliage glabrous, but scapes sparsely pilose below, woolly under the glabrous involucre: leaves all very narrowly linear, entire, acuminate: heads 1' high, narrow and few-flowered: bracts of the involucre in about 3 series, ovate-lanceolate to linear-lanceolate: achenes gradually narrowed to a beak shorter than the body; pappus white, rather coarse, hardly scabrous. [Plate 334.]

At 7000 feet altitude in the White Mountains, in moist land, August 13 (no. 513), in fruit only.

Explanation of Plates.

PLATE 330, 1 and 2. *Eriocarpum Wootonii* Greene. 1. A portion of a plant half natural size. 2. Involucral bracts and flowers natural size. 3 and 4. *Coleosanthus ambigens* Greene. 3. A portion of a plant half natural size. 4. Involucral bracts, flower and achene natural size; also achene $\times 2$.

PLATE 331, 1 and 2. *Senecio Wootonii* Greene. 1. Part of plant half natural size. 2. Involucral bract and ray flower natural size. 3 and 4. *Eriocarpum serratum* Greene. 3. A portion of a plant half natural size. 4. Ray-flower and achene natural size.

PLATE 332, 1 and 2. *Grindelia scabra* Greene. 1. A portion of a plant half natural size. 2. Involucral bract, ray flower and achene natural size. 3 and 4. *Erigeron formosissimus* Greene. 3. A portion of a plant half natural size. 4. Involucral bract, ray flower and achene natural size.

PLATE 333, 1 and 2. *Wootonia parviflora* Greene. 1. Entire plant half natural size. 2. Head of flowers and achenes natural size. 3 and 4. *Laphamia cernua* Greene. 3. Part of the plant natural size. 4. Involucral bract and flower natural size.

PLATE 334, 1 and 2. *Agoseris graminifolia* Greene. 1. A portion of a plant half natural size. 2. Achene natural size. 3 and 4. *Tetradymia filifolia* Greene. 3. Small branch of a plant half natural size. 4. Head, with one bract and three flowers removed, natural size.



1, 2. AGOSERIS GRAMINIFOLIA Greene.
3, 4. TETRADYMIA FILIFOLIA Greene.