

SONCHUS. (Cassini, Decand.)

Sonchus fallax? β . **Californicus*.

HAB. In Upper California, around St. Diego. Dentures of the leaves, which are pinnatifid, deep and pungently spinulose; achenium smooth and even, elliptic, *alated*, puberulous on the margin. Probably a distinct species, though so similar to the present as not to be distinguishable, except by the pungency and length of the marginal spines, and the alated achenia.

Sonchus tenuifolius; \odot , smooth; leaves bipinnatifid and pinnatifid, auriculate at the base; segments few, linear-lanceolate, spinulosely serrulate, the upper simply pinnatifid, with linear, subulate segments; involucrem caliculate, smooth; achenium substrate, transversely rugose.

HAB. In Upper California, round St. Diego, in shady ravines, among rocks. A very distinct species. Primary divisions of the leaves, when bipinnatifid, with a single pair of segments, central or terminal segments usually elongated and acuminate; divisions of the lower leaves obtuse. Involucrem scarcely tumid. Stem slender, about two feet high. Leaves three or four inches long, of a very thin consistence, as in *S. tenerrimus*.

Subtribe *ANDRYALEÆ.

Receptacle naked or fimbriiferous, sometimes with the margin paleaceous.

Pappus white, usually double, the inner deciduous, filiform, barbellate towards the base, where it adheres in a circle, the outer a minute paleaceous crown. Achenium erostrate, striate, angular or cylindric.

ANDRYALA *Ragusina*, *A. varia*, *A. sinuata*, *A. integrifolia*, and probably other species. In these, except the first, the outer pappus is obscure, and the salient summits of the ribs of the achenium resemble the outer pappus: these, with a very deciduous and much less barbellated pappus, &c., ought to be restored to the genus VOIGHTIA, of Roth.

*LEPTOSERIS.

Capitulum many-flowered, (forty, or more.) Involucrem campanulate, caliculate; sepals distinct to the base, linear-lanceolate, in a single equal series, the margin membranaceous; caliculum small, of about eight unequal bractes. Receptacle naked. Achenium finely striate, somewhat attenuated above,