- akene attenuate above almost into a beak: pappus silvery white; very delicate awn barely half the length of the more deeply notched palea. Calais linearifolia, DC. l. c., excl. syn. Uropappus linearifolius & U. grandiflorus, Nutt. Trans. Am. Phil. Soc. vii. 425. Open low grounds, throughout California, to Nevada, Arizona, and New Mexico.
- M. Lindléyi, Gray, l. c. Peduncle little or not at all thickened upward: akene gradually and slightly attenuate toward the summit: pappus sordid; paleæ bearing a stronger and more exserted awn from a shallow notch, sometimes those of the marginal flowers villous, and their akenes pubescent. Calais Lindleyi, DC. l. c., excl. syn. Uropappus Lindleyi & U. heterocarpus, Nutt. l. c. California, from San Francisco Bay to San Diego; apparently less common than the preceding.
 - * Paleæ of the sordid or merely whitish pappus entire, surmounted by the awn, conspicuous except in the second species: scapes slender, a span to 18 inches high: akenes mostly upwardly scabrous on the 10 equal ribs, occasionally the outermost villous. Calais § Eucalais, DC., &c.
 - Akenes attenuate-fusiform, the upper and slightly narrowed half not occupied by the seed!
- M. attenuáta, Greene. Leaves mostly pinnately parted into narrow linear lobes: scapes a span or two high: involucre half-inch high, barely calyculate at base: pappus of the length of the akenes (nearly 4 lines); the paleæ oblong-lanceolate, about half the length of the awn, externally either lightly or conspicuously villous. Proc. Am. Acad. xix. 65. California, at Berkeley and hills north of Monte Diablo, Greene.
 - Akenes from slender-subclavate to turbinate, the cell filled by the seed.
 - ++ Paleæ of the pappus very small (not over half-line long) or obsolete, glabrous, and the slender bristles fragile or deciduous.
- M. aphantocárpha, Gray, l. c. Involucre merely calyculate: akenes (1½ to 2 lines long) oblong-clavate, with usually some constriction or rounding of the summit, shorter than the rigid capillary awns of the pappus; these merely deltoid-dilated at base, or hardly so. Calais aphantocarpha, Gray, Proc. Am. Acad. vi. 552. California, in Alameda and Contra Costa Co.; first coll. by Brewer.
 - Var. tenélla, Gray, l. c. Depauperate in the original specimens: bristles of pappus 2 to 5, sometimes with manifest broadly-ovate palea at base, sometimes deciduous. Calais (Aphanocalais) tenella, Gray, Pacif. R. Rep. iv. 114, t. 17. Same range, and along the Napa and Lower Sacramento; first coll. by Bigelow & Fitch.
 - ++ Paleæ of the pappus conspicuous, persistent.
 - = Akene (with truncate summit) little over a line long and the long-awned paleæ of the pappus of not more than half its length, both glabrous: head small.
- M. élegans, Greene, in herb. A span to a foot high, slender: head in fruit less than half-inch high: akenes tapering gradually from very summit to base: paleæ of the pappus ovate-deltoid or sometimes rather narrower, either obscurely emarginate or more attenuate into a slender awn of about 4 times the length: sometimes a minute villosity covering the truncate summit of the akene. California, common in Contra Costa Co., Hall, Lemmon, Parry, Greene, &c. Between M. aphantocarpha and M. Bigelovii.
 - = Akenes 2 or 3 lines long, some of the outermost not rarely villous: paleæ of the pappus seldom shorter, in the same species and even in the same head disposed to be either glabrous or scabro-puberulent, or externally villous.
- M. acumináta, Greene. A span or two high: head in fruit about inch high: akenes apparently all glabrous, slenderly somewhat fusiform-turbinate (obscurely contracted between middle and summit), almost 3 lines long, not half the length of the pappus: paleæ narrowly lanceolate, gradually attenuate into a rather shorter awn.—Bull. Torr. Club, x. 88. Calais Douglasii, Gray, Pacif. R. Rep. iv. 113, not DC.—California, on Mark West's Creek, Bigelow (has passed for the following species; pappus nearly glabrous). Foot-hills of the Sierra Nevada, Mrs. Curran, with paleæ minutely silky-villous externally.
- M. Bigelóvii, Gray. A span to a foot or more high: head half-inch or more high: involucre inclined to be somewhat imbricated: akenes oblong-turbinate, not contracted under the truncate summit, only 2 lines long; outermost sometimes villous: paleæ of the pappus oblong-to ovate-lanceolate, mostly if not always glabrous, or scaberulous, varying considerably in size, only half or a third the length of the awn. Proc. Am. Acad. ix. 209. Calais Bige-