

2. **T. Wattii**, *Hook. f.*; crown woolly, leaves runcinate-pinnatifid glabrous, scapes numerous pubescent above, heads broadly campanulate glabrous, outer invol. bracts few suberect or recurved, achenes white compressed acutely ribbed, ribs sparingly echinate, beak stout shorter than the body, base conical.

WESTERN HIMALAYA; Pangl, at Silundi, alt. 13,000 ft., *Watt.*

Habit of a large specimen of *T. officinale*. Heads broad, 1 in. diam. without the ligules. Invol. bracts black when dry, inner  $\frac{3}{8}$  in. long, hardly clawed at the tip. Achenes not quite ripe,  $\frac{1}{4}$  in. long, silvery white; pappus  $\frac{1}{4}$  in.—I have seen but one specimen of this remarkable species.

### 113. **CHONDRILLA**, *Linn.*

Perennial herbs. Stem usually branched from the base; branches slender, cylindrical, rigid or virgate. Leaves radical pinnatifid, cauline often entire. Heads terminal, homogamous; fl. all ligulate, yellow. Involucre cylindrical; bracts  $\infty$ -seriate, outer usually very small, inner linear; receptacle flat, naked. Achenes oblong, subterete, many-ribbed, toothed, or with a toothed ring below the beak, beak long and slender or short and stout; pappus hairs very slender, white, many-seriate, persistent or deciduous separately.—DISTRIB. Species about 15, European and Oriental.

1. **C. graminea**, *M. Bieb.*; *Ledeb. Fl. Ross. ii. 809*; *l.c. t. 177*; quite glabrous, branches from the base very slender, cauline leaves filiform, heads  $\frac{1}{2}$  in. about 8-fld. hoary, invol. cylindrical, outer bracts minute, inner narrow with white membranous margins, achenes slender obscurely toothed or quite smooth below the very slender beak which about equals the body. *DC. Prodr. vii. 142.*

WESTERN TIBET; Karakoram mts., alt. 8–11,000 ft., *Clarke*.—DISTRIB. Siberia.

Stems 2–3 ft. from a woody stock, dichotomously branched. Leaves radical not seen, cauline 2–3 by  $\frac{1}{16}$  in., flexuous, quite entire. Heads subcorymbose, peduncled. Achenes  $\frac{1}{2}$  in. long, ribbed, sometimes quite smooth where contracted into the beak; pappus as long as the achenes, persistent, silvery.

VAR. *kashmiriana*; leaves rather broader.—S. Kashmir at Ramoo, alt. 6000 ft., *Clarke*.

2. **C. setulosa**, *Clarke mss.*; quite glabrous, much branched from the base, branches very slender, cauline leaves linear very narrow, margins naked with here and there a minute spine, heads  $\frac{1}{2}$  in. about 8-fld. hoary, involucre cylindrical, outer bracts minute, inner narrow with a stout spinulose midrib thickening in fruit, achenes slender strongly toothed below the very slender beak which about equals the body.

BALTIKISTAN; at Shigar, alt. 8000 ft., *Clarke*.

Habit of *C. graminea*, differing in the spinules on the midrib of the invol. bracts, and the muricate and toothed achenes.

#### DOUBTFUL SPECIES.

*C. sp.?*; much dichotomously branched, branches stout, leaves 1–2 in. linear-oblong obtuse obscurely denticulate, heads  $\frac{1}{2}$  in. base corky in fruit, invol. bracts with a thickened midrib which is here and there spinous.—Western Tibet, Shayuk valley, alt. 8–10,000 ft., *Thomson*. This may be a var. of *C. setulosa*, but there are no ripe achenes; it also closely resembles *C. juncea*, L.

### 114. **LACTUCA**, *Linn.*

Glabrous or hispid milky herbs. Leaves radical and alternate, entire toothed pinnatifid or pinnate, cauline often stem-clasping and auricled. Heads sessile or peduncled, paniced corymbose racemose or subspicate, homogamous, yellow purple or blue; fl. all ligulate. Involucre usually narrow; bracts few- (rarely many-) seriate, thinly herbaceous, margins often membranous, fruiting unchanged