

eglandulose hairs; involucre 10-11 mm. long; inner involucre bracts gland-pubescent with very short pale hairs and slightly longer black setae scattered from base to apex, \pm thickened at base in fruit; corolla ca. 13 mm. long; anther-tube ca. 4.25 mm. long. *Achenes* 5-6.5 mm. long; pappus 4.5 mm. long.

ANGOLA: Benguella, Bumbo Distr., *Welwitsch* 3667 (Herb. Brit. Mus.; Kew.) type and cotype; Loanda, Malange Distr., 1903 *Gossweiler* (Herb. Paris) form 1; Malange, *Gossweiler* (Herb. Kew.) form 1.

The type locality is given by Hiern as Bumbo, in the wooded meadows of Catumba, with the observation, « rather rare; flowers and fruits, Dec., 1859 ».

Observation. — The *numbered-form 1* from the Malange District, Angola, is *C. bumbensis* subsp. *typica*, but very robust; plant 75 cm. high; leaves broader and petiole narrower than in type; stems unbranched for 2/3 of their length; aggregate inflorescence corymbiform; involucre bracts lacking black setules; pappus 5-6 mm. long.

3b. *Crepis bumbensis* subsp. *itakensis* Babcock subsp. nov.

Planta 10-30 cm. alta; folia caudicalia 2-8 cm. longa, 1-2 cm. lata, dense eglanduloso-pubescentia ad basim fusco-lanata; involucre 10-12 mm. longum, squamae interiores breve glanduloso-pubescentes, non setosae; corolla 10 mm. longa; antherae 3.75 mm. longae. *Achaenia* 6.5-7.5 mm. longa; pappus 5 mm. longus.

Plant 10-30 cm. high; caudical leaves 2-8 cm. long, 1-2 cm. wide, densely pubescent on both sides with erect setiform yellow eglandulose hairs, brown wooly at base of petiole; involucre 10-12 mm. long; inner involucre bracts gland-pubescent with short yellowish hairs bearing brown glands, not setose, becoming carinate and thickened at base in fruit; corolla 10 mm. long; ligule 1.75 mm. wide; corolla-tube sparsely covered with papilliform and acicular hairs up to 0.2 cm. long disposed singly or in groups; anther-tube 3.75 mm. long; appendages 0.6 mm. long, oblong, acute, united; style-branches 0.7-0.9 mm. long, 0.15 mm. wide, acute at tip, yellow. *Achenes* 6.5-7.5 mm. long, the short beak finer than in *typica*, pale and scarcely ribbed; pappus 5 mm. long.

SOUTHWESTERN TANGANYIKA: Iringa Prov., Rungwe Reg., north-west of Lake Nyassa, Itaka grazed areas in *Hyparrhenia-Themeda*

grassland subject to fires, 1,515 m., *Greenway* 3655 (Herb. Univ. Calif. n° 513249) type.

Known only from the type locality where it was collected Sept. 1, 1933.

3c. *Crepis bumbensis* subsp. *kundensis* *Babcock* subsp. nov.

Planta 40-50 cm. alta; folia caudicalia 6-16 cm. longa, 1.5-4 cm. lata, puberula vel glabriuscula; involucrium 9-10 mm. longum, squamae interiores glanduloso-pubescentes et setosae ad apicem, setae crassiusculae; corolla ca. 11 mm. longa; antherae 3.5 mm. longae. *Achaenia* ca. 7 mm. longa; pappus 6 mm. longus.

Plant 40-50 cm. high; caudical leaves 6-16 cm. long, 1.5-4 cm. wide, puberulous especially on veins or glabrescent; involucre 9-10 mm. long; inner involucrial bracts gland-pubescent and black-setose toward apex, the setae short and broad-based, becoming strongly carinate and pale spongy-thickened at base at full maturity; corolla ca. 11 mm. long; ligule ca. 1.5 mm. wide; corolla-tube pubescent from base to summit, as on lower part of ligule, with stout papilliform and acicular hairs ca. 0.05 mm. long disposed singly or in groups; anther-tube 3.5 mm. long; appendages 0.6 mm. long, oblong, acute, united; style-branches 1.25 mm. long, 0.1 mm. wide, slightly attenuate at tip, yellow. *Achenes* ca. 7 mm. long, coarsely beaked as in *typica* and ribbed to summit; pappus 6 mm. long.

CAMEROON: savannas of the lower highlands, ca. 6° N, 14° E, near Kunde, Kisare, *Mildbraed* 9214 (Herb. Berol.) type; in fruit in Feb. (?) or May (?).

SOUTHEASTERN NIGERIA: Bamenda, Bambuluc, *Thorbecke* 214 (Herb. Berol.).

Observation. — *Crepis bumbensis* is rather close to *C. congoensis* *Babcock* which occurs in the same general region and it is intermediate between *C. congoensis* and *C. hypochaeridea* (DC.) *Thell.* It is less close to *C. cameroonica* *Babcock* and its large-flowered allies of eastern Africa.

4. *Crepis Gossweileri* *S. Moore*, in Jour. Linn. Soc., XLVII, p. 282 (1925).

Perennial, 75-80 cm. high; caudex vertical, 1 cm. wide at summit, leafy at crown; caudical leaves up to 14 cm. long, 2.5 cm. wide,