

obovate, obtuse, denticulate, gradually attenuate into a long winged petiole, pubescent on both sides especially on veins with stiff appressed hairs; cauline leaves few, small, lanc.-linear or bract-like; stems erect, sulcate, fistulose, cymosely 2-4-branched near summit, few-headed; peduncles 1.5-4 cm. long, puberulous. *Heads* erect, medium, many-flowered; involucre campanulate, tomentose, strongly setose on both outer and inner bracts with black eglandulose setae; outer bracts ca. 7, narrowly linear, unequal, longest ca. 1/2 as long as inner ones; inner bracts 13, lanc.-linear, glabrous on inner face, becoming indurate but not much thickened in fruit; receptacle areolate, fimbriate; corolla ca. 13 mm. long; ligule 1 mm. wide; corolla-tube 5 mm. long, sparsely pubescent with very short acicular hairs; anther-tube ca. 4 mm. long, very narrow; appendages 0.6 mm. long, narrow, acuminate; style-branches 1 mm. long, yellow. *Achenes* brown, 7 mm. long, ca. 0.7 mm. wide, fusiform, strongly attenuate into a beak ca. 0.25 mm. wide and nearly equal to the body, pappus disk 0.5 mm. wide, slightly narrowed to the calloused base, ca. 16-ribbed, ribs very narrow, finely spiculate; pappus yellowish white, 7 mm. long, 2-seriate, rather fine, soft, barbellulate, persistent. *Flowering* Feb., flowers yellow.

ANGOLA: near Cului, in woods composed chiefly of *Berlinia Equimii*, Gossweiler 2895 (Herb. Brit. Mus.).

Known only from the type locality where it was collected in February, 1907 by J. Gossweiler.

Observation. — This species is probably closest to *C. bumbensis* Hiern, but it is very distinct in the tall, nearly leafless stems which are branched only at the summit, the narrower, strongly setose involucre, the narrow corolla and anther-tube, the longer beaked achenes and longer pappus.

5. *Crepis congoensis* Babcock sp. nov.

Herba perennis, ca. 30 cm. alta; caudex ligneus, ad summitatem foliatus; folia caudicalia mediocria, oblanceolata, acuta, cuspidata, dentata, petiolata, subter hispidula, supra glabra; folia caulina pauca, parva, lanceolata, acuminata; caules plures, ad basim pubescentes, rami remoti, elongati, oligocephali, corymbiformi. *Capitula* recta, multiflora; involucreum cylindrico-campanulatum, tomentosum, glanduloso-pubescent, ultimo reflexum; receptaculum alveolatum, squamae lanceolatae, obtusae, interiores carinatae, in-

duratae in fructum ; corolla 10.5 cm. longa, flava ; antherae 3.25 mm. longae, flavae ; rami styli 1.25 mm. longi, flavi. *Achaenia* subrufosca, 7-8 mm. longa, fusiformia, rostrata, 12-14-costata ; pappus flavido-albus, 6 mm. longus, persistens.

Perennial, 34 cm. high ; caudex ca. 1 cm. wide, woody, leafy at summit ; caudical leaves up to 10.5 cm. long, 1.8 cm. wide, oblanceolate, acute, cuspidate, irregularly serrately dentate, attenuate into a winged petiole, hispidulous beneath especially on midrib, glabrous above, midrib prominent ; cauline leaves few, small, lance-linear, acuminate ; stems 8 from a single caudex, terete, striate, shortly pubescent near base with eglandulose hairs, glabrous above, branched from near base, branches remote, elongate, flexuose, each branch bearing 1-4 heads in a corymbiform cyme ; peduncles 4-13 cm. long, gland-pubescent with short yellow hairs. *Heads* erect, medium, many-flowered ; involucre 10-11 mm. high, cylindrical-campanulate, fuscous-tomentose and, like peduncle, gland-pubescent, completely reflexed at maturity ; receptacle alveolate, alveolae crater-form, surrounded with lacinate scales ; outer involucral bracts 12-13 with 2-4 subtending ones, linear, less than 1 mm. wide, obtuse, ciliate at apex, longest ca. $\frac{1}{3}$ as long as inner bracts ; inner bracts 12-18, lanceolate, obtuse, innermost scarious-margined, becoming carinate and indurate but not dorsally spongy-thickened ; corolla 10.5 mm. long ; ligule 1.25 mm. wide ; corolla-tube 4.5 mm. long, pubescent with short stout simple or furcate hairs ; anthers 3.25 mm. long, thinly membranous ; filaments short ; appendages 0.7 mm. long, narrow, acuminate ; style-branches 1.25 mm. long, 0.1 mm. wide. *Achenes* dark reddish brown, 7-8 mm. long, fusiform, strongly attenuate into a beak shorter than or nearly equal to body, pale near summit, with slightly expanded pappus-disk, constricted at the pale-calloused hollow base, 12-14-ribbed, ribs narrow, finely spiculate ; pappus yellowish white, 6 mm. long, 2-seriate, rather fine, soft, persistent.

CONGO : Lubumbashi, Elizabethville, 1,450 meters altitude, *Rogers* 10072 (Herb. Kew.).

Known only from the type locality where it was collected in October, 1911 by Rev. F. A. Rogers.

Observation. — Nearest to *Crepis bumbensis* Hiern, from which it is very distinct in the strongly dentate leaves, the deeply alveolate receptacle, the narrower corolla with very different pubescence

on the tube, the shorter anther-tube and narrower appendages, and the broader more finely beaked achenes.

6. *Crepis caudicalis* Babcock sp. nov.

Herba perennis, 10-25 cm. alta; caudex rectus, suffruticulus, ad summitatem foliatus; folia caudicalia parva, obovata vel oblanceolata, obtusa vel acuta, mucronata, denticulata, petiolata, puberula vel glabra; folia caulina simillima vel parva, denticulata vel ciliata, vel bracteiformia; caules 1-3, tenues, cymose 1-3-furcati cum 1-4 capitulis. *Capitula* mediocria, 20-30-flora; involucreum campanulatum, 8-10 mm. longum, glanduloso-pubescent; corolla 12 mm. longa, ligula 8 mm. longa, flava; antherae 3.5 mm. longae, flavae; rami styli 1 mm. longi, 0.15 lati, flavi. *Achaenia* fusca, 7.5-8 mm. longa, subcompressa, paulatim attenuata, breve rostrata, 10-costata; pappus flavidus, pallidus, 4-5 mm. longus, persistens.

Perennial, 10-25 cm. high; caudex vertical, 0.5-1 cm. wide, becoming branched and suffruticulose, covered with brown bases of old leaves, leafy at crown; stems 1-3, erect or ascending, slender, terete, glabrescent, simple and 1-headed or 1-3 furcate and cymosely 2-4-headed; caudical leaves 2-4 cm. long, 1-1.5 cm. wide, obovate to oblanceolate, obtuse or acute, denticulate, attenuate into a winged petiole, puberulous with short pale gland-hairs or glabrescent; lowest cauline leaves similar, the others very small, linear, sessile, uppermost bract-like; peduncles 2.5-6 cm. long, slender, slightly broader and finely gland-pubescent at summit. *Heads* medium, 20-30-flowered; involucre campanulate, 8-10 mm. long, ca. 4 mm. wide at base in fruiting heads, somewhat pubescent with short pale gland-hairs; outer involucreal bracts 7-8, unequal, longest $1\frac{2}{3}$ as long as inner bracts, linear, less than 1 mm. wide; inner bracts 12-14, lanceolate, acute, glabrous on inner face, becoming carinate and indurate but not spongy-thickened at base; receptacle alveolate; corolla 12 mm. long; ligule 1.75 mm. wide; corolla-tube ca. 4 mm. long, pubescent from base to summit with minute acicular hairs borne singly or in clumps; anther-tube 3.5 mm. long; filaments nearly equal; appendages 0.6 mm. long, obliquely acute, partly united; style-branches 1 mm. long, 0.15 mm. wide, yellow. *Achenes* light brown, 7.5-8 mm. long, ca. 0.5 mm. wide, laterally subcompressed, very gradually attenuate into a coarse beak 0.15 mm. wide below the pale summit, constricted above the narrow base, 10-ribbed, ribs equal, extending nearly to summit, finely spi-