

Launaea ledermannii (R. E. Fr.) L. Boulos in Bot. Not. 115: 59 (1962).

GHANA. Togo Hills, Shiare, *Jenik & Hall* CC1120.

NIGERIA. Adamawa, Vogel Peak area, *Hepper* 2877; Mambila Plateau, Ngel Nyaki, *Hepper* 2878.

CENTRAL AFRICAN REPUBLIC. Bozoum area, *Tisserant* 2980.

TANGANYIKA. Ufipa District, Nsanga Forest, *Richards* 13002a; Mbeya Mt., B. D. *Burtl* 6335, *Kerfoot* 3142; Southern Highlands Province, *Geilinger* 31b.

ZAMBIA. Nyika Plateau, near rest house, *Benson* 146, *Robson & Angus* 230; Abercorn District, Lumi R., *Richards* 5846.

MALAWI. Mlanje Mt., *McClounie* 38, *Newman & Whitmore* 605, 647.

RHODESIA. Melsetter District, *Chase* 6703, *Walters* 2745.

3. ***L. tinctociliata*** I. M. *Johnst.* in Contrib. Gray Herb., n.s. 75: 25 (1925). Type: Angola, *Curtiss* 283 (GH, holotype!).

CONGO. Pausi, *Callens* 2490; Dibaya, Kamponde, *Liben* 3171; Dilolo, Mangoa R., *Young* 239.

ANGOLA. Moxico, Luso-Moxico Velha road, *Araujo* 118; E. of Luanza R., *Curtiss* 218, 283, 315; Portuguese Congo, *Dawe* 120; Malange, N'Golo, *Gossweiler* 1185; Kamasulo, near Malange, *Gossweiler* 1193, 1196; 12 km. N. of Uige, *Stanton* 71; Saurmio, Chikapa R., *Young* 443a, 667.

4. ***Lactuca calophylla*** C. *Jeffrey*, sp. nov. *S. tinctociliatae* I. M. *Johnst.* affinis, a qua foliis ad anthesin evolutis, caulibus setosis et capitulis tenuioribus differt. (Fig. 2/4, p. 440; Fig. 4, p. 442.)

Herba subscaposa, radice perenni incrassata sublignosa, caulibus ex radice solitariis erectis 20–75 cm. altis sparse vel dense setosis, setis purpureis 1.5–3 mm. longis primo glandulosis. *Folia* radicalia 1–6 rosulata sessilia, late elliptica vel subrotundata obtusa vel retusa et apice ipse mucronata basin membranaceam versus angustata, margine sinuato-dentata, 5.5–22.5 cm. longa, 4.0–7.5 cm. lata, supra viridia glabra, subtus conspicue purpureo-reticulata et in nervis plus minusve setulosa; folia caulina 1–2, radicalibus similia sed subamplexicaulia et angustiora, vel saepius nulla. *Inflorescentiae* paniculatae anguste cylindricae vel pyramidales. *Capitula* numerosa pedicellata, involucris cylindricis ad anthesin 8.0–12.0 mm. longis et 1.8–3 mm. latis. *Phyllaria* 3-seriata imbricata, viridia, glabra, interioribus lanceolatis, exterioribus ovatis multo brevioribus. *Flosculorum* corolla flava, circa 15 mm. longa, ligula 3 mm. lata, styli ramuli tenui 2–3 mm. longi purpurei. *Achenia* badia fusiformia 4.3–5.8 mm. longa, 1.2–1.4 mm. lata, in lateribus tricostata, costis marginibusque obtusis et leviter incrassatis, apice haud rostrata, pappo albido 5.5–6 mm. longo coronata.

TANGANYIKA. Mbeya Mt., *Kerfoot* 3217; Njombe, *Lynes* 65, 170; Njombe-Milo road, *Richards* 14025; Kipengere Mts., *Richards* 7614 (K, holotype!); Matengo Hills, *Busse* 942, *Milne-Redhead & Taylor* 8215; Matengo Hills, Upano, *Zimmer* 250; 'Ukinga', *Stolz* 2365.

ZAMBIA. Nyika, *Benson* 406, *Fanshawe* 7261; Abercorn-Kasama road, *Richards* 7420.

MALAWI. Luwawa, Vipya, *Chapman* 1528; Karonga District, 32 km. from Chisenga on Rumpi road, *Richards* 10394; Rumpi District, Lake Kaulime, *Richards* 10456; Nchisi Mt., *Robson & Steele* 1709.

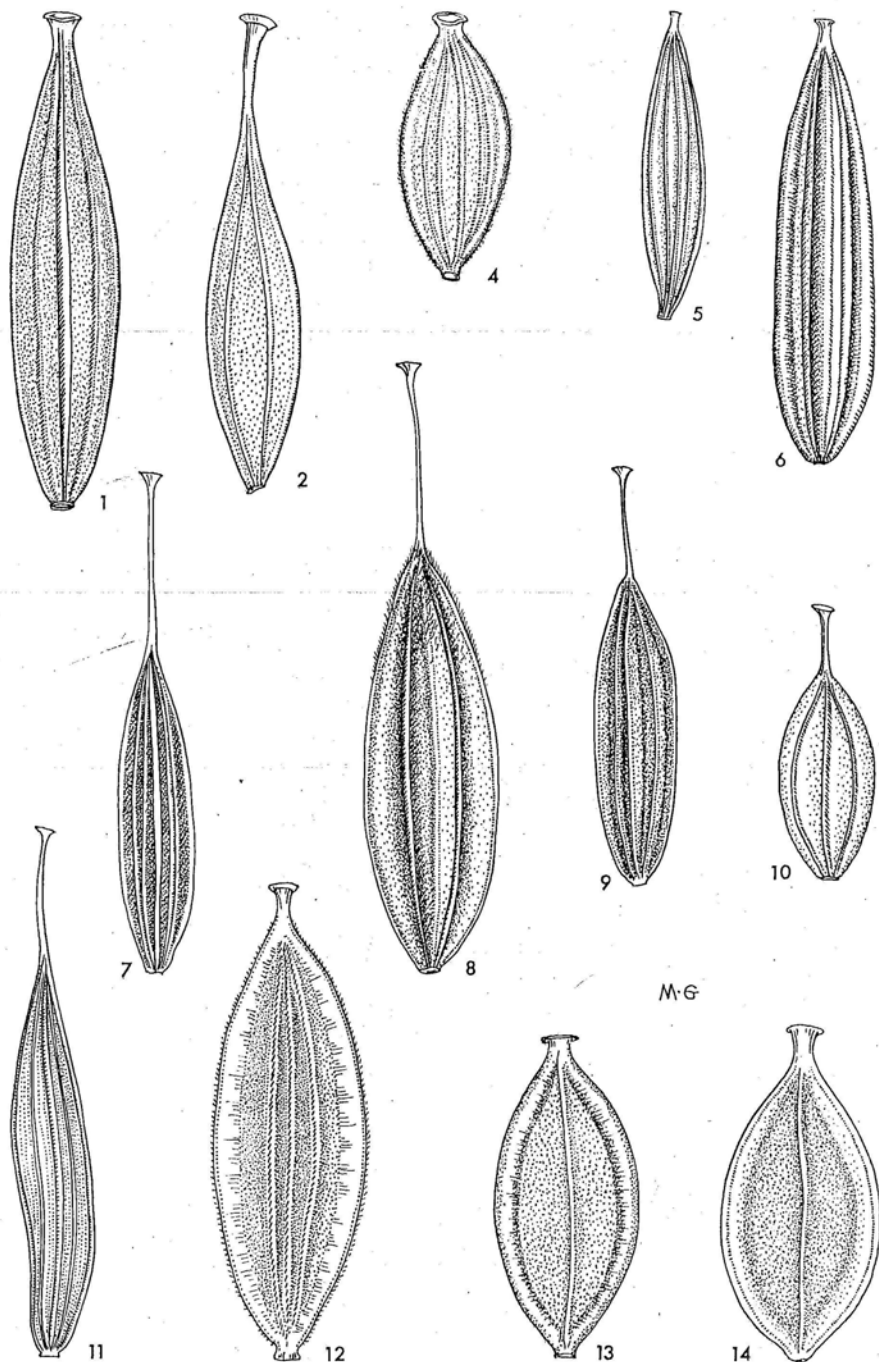


FIG. 2. Achenes of African *Lactuca*, $\times 8$; species numbered as in the text. 1, *L. tysonii*; 2, *L. lasiorhiza*; 3, *L. calophylla*; 4, *L. setosa*; 5, *L. dumicola*; 6, *L. ambacensis*; 7, *L. cichorioides*; 8, *L. ugandensis*; 9, *L. schulzeana*; 10, *L. praevia*; 11, *L. songeensis*; 12, *L. schweinfurthii*; 13, *L. longespicata*. 1 from Wood 1381, 2 from Robson & Angus 230, 3 from Kerfoot 3217, 4 from Fanshawe 443, 5 from Gossweiler 2063, 6 from Gossweiler 1188, 7 from Gossweiler 9940, 8 from Thomas 4476, 9 from Milne-Redhead 4144, 10 from Chevalier 20485, 11 from Milne-Redhead & Taylor 7965 A, 12 from Schweinfurth 4015, 13 from Richards 4694.

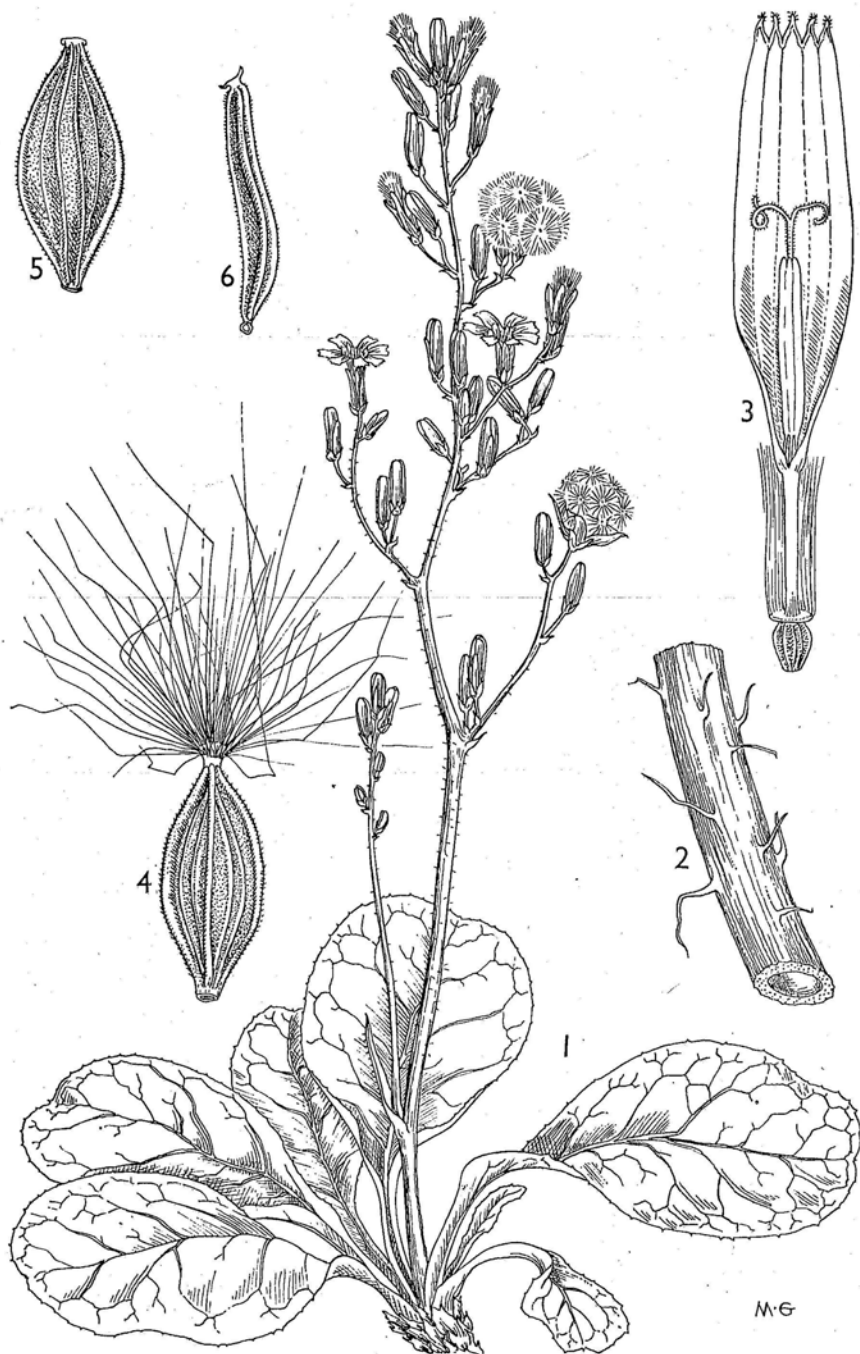


FIG. 4. *Lactuca calophylla*. 1, habit, $\times 1$; 2, part of inflorescence stem, showing setae, $\times 4$; 3, floret, part of pappus removed, $\times 4$; 4, achene and pappus, $\times 6$; 5, achene, face view, $\times 6$; 6, achene, side view, $\times 6$. All from Kerfoot 3217.