

MOZAMBIQUE. *Allen* 38; *Balsinhas & Marrime* 311; *Chase* 2492; *Pedro* 491; *Pedro & Pedrógão* 4781, 5156, 5182; *Torre A.*

ZAMBIA. *Bullock* 1177; *van Rensburg* 1804, 2354; *Robinson* 393, 834; *Robson & Angus* 62; *Sandwith* 130; *Trapnell* 431, 447, 453.

MALAWI. *Brass* 17900; *Lawrence* 75, 85, 329; *Phipps* 2567.

RHODESIA. *Davies* 1504; *Phipps* 91, 2336; *Plowes* 2068; *Wild* in *S.R.G.H.* 28146.

8. ***L. capitata*** (*Spreng.*) *Dandy* in *F. W. Andr.*, *Fl. Pl. Sudan* 3: 40 (1956); *Amin* in *Tackh.*, *Stud. Fl. Egypt*: 84 (1956). Type: Egypt, *Sieber* (?B, holotype).

*Sonchus capitatus* *Spreng.*, *Syst. Veg.*, ed. 16, 3: 650 (1826).

*Lomatolepis glomerata* *Cass.* in *Dict. Sc. Nat.* 48: 423 (1827).

*Launaea glomerata* (*Cass.*) *Hook.f.*, *Fl. Brit. Ind.* 3: 417 (1881); *Hutch. & Dalz.*, *Fl. W. Trop. Afr.* 2: 178 (1931); *Schwartz*, *Fl. trop. Arab.*: 297 (1939).

ETHIOPIA. Eritrea, Wadi Assarai area, *Bally* 6871.

SUDAN. Near Khor Ashat, *Darling* 139; S. of Port Sudan, *Drummond & Hemsley* 942; near Port Sudan, *MacDougal & Sykes* 29; Mersa Bela, *Marshall* 15; Port Sudan, *Marshall* 66; *Jebel Elba*, *Newberry* 159.

A Saharo-Sindian species extending from Algeria eastwards to Persia and the desert regions of West Pakistan and India.

9. ***L. nudicaulis*** (*L.*) *Hook.f.*, *Fl. Brit. Ind.* 3: 416 (1881), quoad typum, excl. spec. cit.; *Chevalier* in *Rev. Bot. Appliq.* 15: 886 (1935); *Amin* in *Tackh.*, *Stud. Fl. Egypt*: 84 (1956). Type: cult. at Uppsala (*LINN*, lectotype).

*Chondrilla nudicaulis* *L.*, *Mant.* 2: 278 (1771).

CAPE VERDE ISLANDS. *Cardoso* 9, 252.

A mediterranean-oriental species also known from the Canary Is., Madeira, Spain, North Africa, Egypt, Arabia and the Middle East eastwards to Persia.

10. ***Launaea nigricola*** *C. Jeffrey*, sp. nov. ex affinitate *L. intybaceae* (*Jacq.*) *Beauverd*, a qua capitulis achaeniisque maioribus differt (Fig. 9).

*Herba* perennis erecta 20–52 cm. alta. *Caules* omnes floriferi ramosi substricti glabri, in parte inferiori paucifoliati cetera aphylli. *Folia* plerumque basilica rosulata, ambitu anguste elliptica, 7.5–21 cm. longa 0.5–2.5 cm. lata, sessilia, runcinato-pinnatifida, lobis deltoideis acutis recurvatis, margine eroso-denticulata, basim versus angustata, apice acuta apiculata, glabra, glauca; folia caulina radicalibus similia sed breviora et basi auriculata subamplexicaulia. *Capitula* ad nodos sessilia vel ad ramos breves laterales terminalia, solitaria vel paucifasciculata; involucrium ad anthesin cylindricum 11–15 mm. longum 2.5–3 latum. *Phyllaria* involucri 4–6 seriata, exterioribus 3–5-seriatis ovatis imbricatis, ab extimis brevissimis ad media interioribus semel breviora gradatim longioribus, interioribus 1-seriatis lanceolatis, omnia late hyaline membranaceo-marginata. *Flosculi* circa 20, flavi, 15 mm.

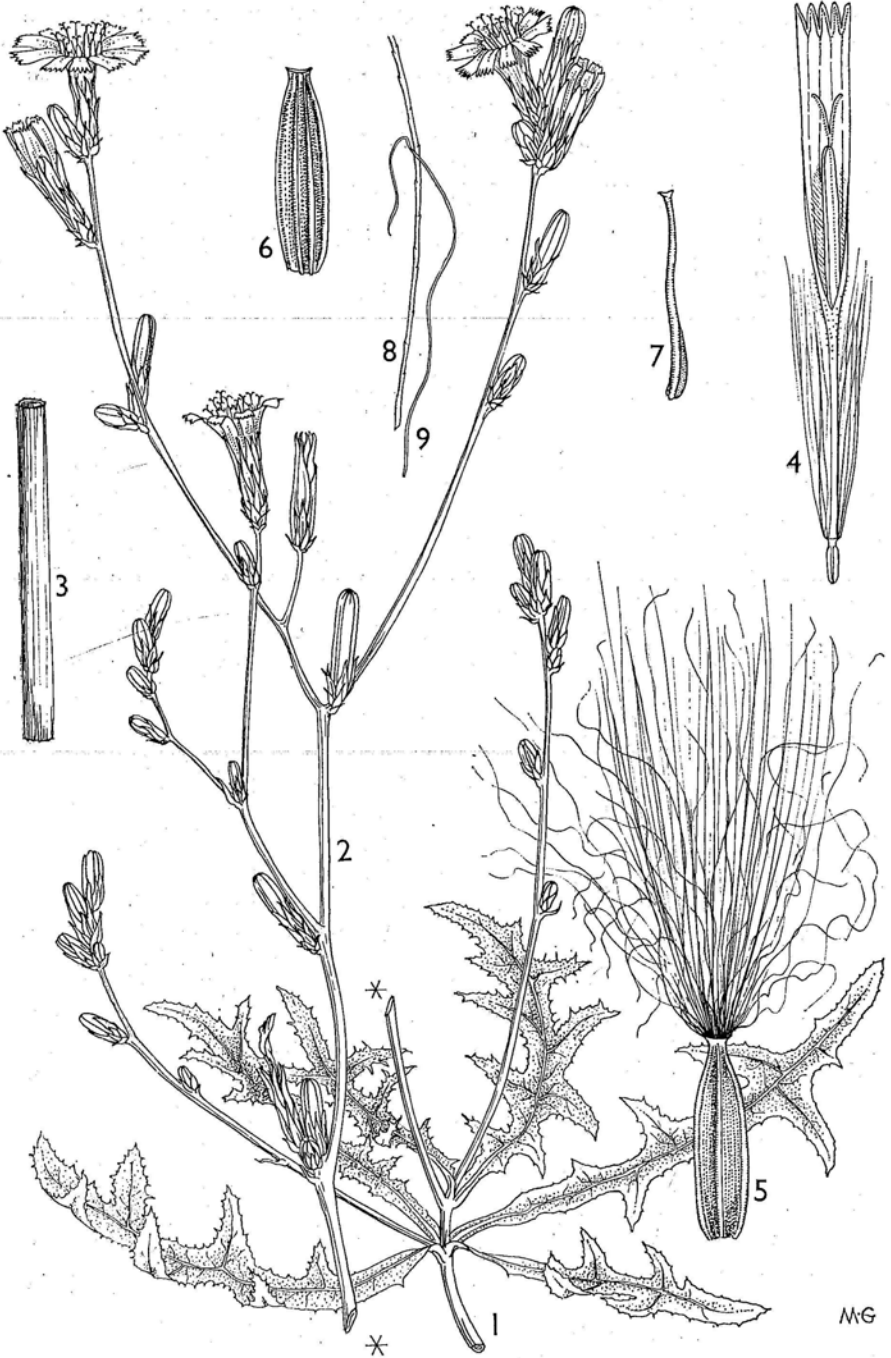


FIG. 9. *Launaea nigricola*. 1, base of plant, showing leaves,  $\times 1$ ; 2, inflorescence,  $\times 1$ ; 3, part of inflorescence stem,  $\times 3$ ; 4, floret,  $\times 6$ ; 5, marginal achene and dimorphic pappus,  $\times 6$ ; 6, marginal achene, face view,  $\times 6$ ; 7, marginal achene, side view,  $\times 6$ ; 8, pappus seta,  $\times 20$ ; 9, papus hair,  $\times 20$ . All from Greenway 7511.

longi, tubo capillari in parte superiore breviter pubescenti, ligula 1.5 mm. lata apice acute 5-dentata. *Achenia* interiora cylindrica muriculata, marginalia subcompressa laevia, omnia glabra, costata et apicem versus paullo angustata, apice ipse truncata, erostrata, 3.2-4 mm. longa, 0.5-0.7 mm. crassa, marginalia 1-seriata pallida, interiora nigra. *Pappus* setosus persistens albus 8-9 mm. longus copiosus e setis inaequalis aliis flexilibus tenerrimis aliis crassioribus substrictis compositus.

KENYA. Thika, Dundori, *Greenway* in *E.A.H.* 11192; Isiolo, *Bally* 3710; Ol Lorgosalic, *Bally* 5159.

TANGANYIKA. Ardai Plains, *Fuggles Couchman* 103; *Greenway* 6989, 7511 (K, holotype!); 'Kakessio', *Newbould* 5823.

11. **L. intybacea** (*Jacq.*) *Beauverd* in *Bull. Soc. Bot. Genève sér. 2*, 2: 114 (1910). Type: cultivated at Vienna from seed from Central America (W, holotype).

*Lactuca intybacea* *Jacq.*, *l.c.* *Pl. Rar.* 1: 16, t. 12 (1784); C. D. Adams in *Fl. W. Trop. Afr.*, ed. 2, 2: 294 (1963).

*Scorzonera pinnatifida* *Lour.*, *Fl. Cochin.*: 479 (1790). Type: Mozambique, *Loureiro* (?), holotype†.

*Sonchus goreënsis* *Lam.*, *Encycl.* 3: 397 (1791). Type: cultivated at Paris from seeds sent by *Sparrmann* from Senegal (P, holotype).

*Prenanthes sonchifolia* *Willd.*, *Sp. Pl.* 3: 1541 (1804). Type: India, *Klein*, (B-W, holotype).

*Lactuca runcinata* *DC.* ex *Wight*, *Contrib.*: 26 (1834), **synon. nov.** Type: India, *Wight* 1502 (K, holotype!).

*L. remotiflora* *DC.* ex *Wight*, *l.c.* (1834); *Schwartz*, *Fl. trop. Arab.*: 298 (1939), **synon. nov.** Type: India, *Wight* 1501 (K, holotype!).

*L. heyneana* *DC.*, *Prodr.* 7: 140 (1838), *nom. illegit.* Type: as for *Prenanthes sonchifolia* *Willd.*

*L. goreënsis* (*Lam.*) *Sch. Bip.* in *Flora* 25: 422 (1842); *Oliv. & Hiern* in *Oliv.*, *Fl. Trop. Afr.* 3: 452 (1877); *Engl.*, *Hochgebirgsfl. trop. Afr.*: 454 (1892); *Hiern*, *Cat. Welw. Afr. Pl.* 1: 619 (1898); *Humb.*, *Comp. Madag.*: 155 (1923); *S. Moore* in *Journ. Bot.* 65, suppl. 2: 66 (1917); *Schwartz*, *Fl. trop. Arab.*: 298 (1939); *Mendonça* in *Contr. Conhec. Fl. Angola* 1 *Comp.* 1: 149 (1943).

*L. petitiiana* *A. Rich.*, *Tent. Fl. Abyss.* 1: 462 (1848). Types: Ethiopia, *Petit*, *Schimper* 1448 (P, syntypes).

*L. arabica* *Jaub. & Spach*, *Illustr.* 3: 115 (1850); *Schwartz*, *Fl. trop. Arab.*: 298 (1939), **synon. nov.** Type: Arabia, Yemen, *Botta* (P, holotype!).

*L. schimperii* *Jaub. & Spach*, *op. cit.*: 114 (1850). Type: Arabia, Yemen, *Schimper* 156 (P, holotype!).

*Launaea goreënsis* (*Lam.*) *O. Hoffm.* in *Engl.*, *Pflanzenfam.* IV. 5: 370 (1893); *A. Chev.* in *Rev. Bot. Appliq.* 15: 886 (1935); *Humb.*, *Fl. Madag. Comp.*: 878 (1963).

*L. kuriensis* *Vierh.* in *Oestr. Bot. Zietschr.* 56: 302 (1906) & *Beitr. Fl. Südarab. Sokotra* 1: 163 (1907), **synon. nov.** Type: Socotra, Abdal Kuri, *Simony* (WU, holotype!).

*Lactuca pinnatifida* (*Lour.*) *Merr.*, *Comm. Lour. Fl. Cochin.*: 397 (1935); *F. W. Andr.*, *Fl. Pl. Sudan* 3: 38 (1956).

[*Launaea nudicaulis* sensu auct., non (L.) *Hook.f.*]