

2. **S. angustissimus**, *Hook. f. in Journ. Linn. Soc. Lond. Bot. vii. p. 203.* A robust erect herb 4–6 ft. high. Stem terete, striate, glaucescent, glabrous, hollow. Leaves from a sessile hastate-lanceolate base attenuate into a long linear acute apex, glabrous, ranging up to nearly a foot long; margins with aculeate denticulations directed downwards, undivided or with a few linear lateral lobes. Capitula campanulate,  $\frac{3}{4}$  in. long, many-flowered, woolly at base, on mostly short pedicels in an elongating cyme usually umbelliform at top. Involucral bracts linear or broader, obtuse, setose-hispid and the exposed ones somewhat woolly on midrib, imbricated, in many rows, unequal. Achenes compressed, smooth,  $\frac{1}{8}$  in. long, 12–15-costate; 4 of the ribs larger than the rest. Pappus  $\frac{3}{8}$  in. long, soft, white.

**Upper Guinea.** Cameroon Mountains, *Mann!* 7–8000 ft. alt.

3. **S. Schweinfurthii**, *O. & H.* Probably annual. Stem erect, glabrous, striate, glaucescent, hollow, but little branched, 3 ft. high or more. Stem-leaves linear-lanceolate, entire or occasionally with a few large lateral lobes, sessile, semi-amplexicaul, auriculate, acute, minutely denticulate, glabrous, glaucescent, ranging up to 9 by 2 in.; auriculate, auricles acute or apiculate, ranging up to  $\frac{2}{3}$  in. Capitula widely campanulate,  $\frac{2}{3}$  in. long, many-flowered, on unequal rather slender pedicels, in a subumbelliform cyme. Inner involucral bracts numerous narrowly lanceolate subobtuse glabrous; outer somewhat woolly, not setose-hispid. Achenes oblong,  $\frac{1}{8}$  in. long, about 10-ribbed, 4 of the ribs stronger than the rest, somewhat rugulose, scarcely compressed. Pappus white, soft,  $\frac{2}{5}$  in. long. Receptacle  $\frac{1}{3}$  in. diameter.

**North Central.** Monbuttu-land (flowers pale yellow), *Schweinfurth!*

4. **S. Bipontini**, *Aschers. in Schweinf. Beitr. Fl. Æthiop. p. 160.* Perennial. Stem erect, somewhat shrubby at the base, branched at least above, 2–4 ft. high or more, glabrous; branches rather slender, mostly divaricate. Leaves linear or nearly so and undivided (except in the variety  $\beta$ ), usually acute, minutely denticulate, ranging up to 6 by  $\frac{2}{5}$  in. or more, sessile, (in the type) shortly auriculate at base except the uppermost ones. Capitula  $\frac{3}{8}$ – $\frac{1}{2}$  in. long, apparently about 20-flowered, or rarely fewer, narrowly cylindrical, obsolete tomentose at the base, on short or somewhat elongated slender glabrate or puberulous pedicels, in a lax corymbose cyme. Inner involucral bracts about 8, linear or linear-oblong, obtuse, ultimately reflexed. Achenes  $\frac{1}{10}$  in. long, about 10-striate, rough. Pappus  $\frac{1}{3}$  in. long.—*S. lactucoides*, *Schultz Bip. in Herb. Schimp. Abyss. ii. n. 1299*; *A. Rich. Fl. Abyss. i. p. 467*; non Bunge.

**Nile Land.** Abyssinia, *Schimper!* Djur-land, *Schweinfurth!*

**Mozamb. Distr.** Sena, *Peters!*

Var.  $\beta?$  *pinnatifidus*, *O. & H.* Stem-leaves deeply pinnatifid, sessile, auriculate or toothed at the base, ranging up to 8 in. long; lateral lobes patent, linear-lanceolate, acute, about 2 pairs, the largest ranging up to 2 in. or more; terminal lobe larger.—*Lactuca* (sp.), *T. Thoms. in Speke, Journ., App. p. 638*; *Microrhynchus* (sp.?), *Oliv. in Trans. Linn. Soc. Lond. xxix. p. 104.*

**Nile Land.** Djur-land, in open fields, near Seriba Ghattas, *Schweinfurth!*  
White Nile, N. Lat.  $8^{\circ} 45'$ , the Mularto of the Arabs, *Petherick!*

**Mozamb. Distr.** Zanzibar, *Goodwin!* Lower Valley of the Shire, *Meller!*  
*Stewart!*  $7\frac{1}{2}^{\circ}$  S. Lat. Used as spinach, *Speke and Grant!* Inhambane, *Peters!*

Perhaps a distinct species.

Var.? *exauriculatus*, O. & H. Leaves without auricles, undivided, sometimes obtuse.

**Nile Land.** Djur-land. Heads about 20-flowered, leaves acute, *Schweinfurth!*

? **Mozamb. Distr.** Zanzibar. Heads about 11-flowered. Leaves obtuse, apiculate, *Hildebrandt!*

These specimens again may form either one distinct species or possibly two independent species, instead of a variety of the above species.

5. **S. cornutus**, *Hochst. in Herb. Kotsch. Nub. n. 157.* Erect perennial herb,  $\frac{1}{2}$ -2 ft. high or more. Branches rather divaricate. Leaves crowded near the base of the stem, obovate, spathulate or pinnately lobed or toothed, apiculate, mostly narrowed at the base, sessile, occasionally subauriculate, denticulate, 1-8 by  $\frac{1}{4}$ - $3\frac{2}{3}$  in. Capitula campanulate-oblong, 20-27-flowered,  $\frac{2}{5}$ - $\frac{3}{5}$  in. long, on bracteolate pedicels of  $\frac{1}{5}$ - $1\frac{1}{4}$  in., in rather lax divaricate cymes. Inner involucre bracts 8-10, nearly glabrous, obtuse; outer shorter. Achenes  $\frac{1}{8}$ - $\frac{1}{6}$  in. long, drab, about 10-striate, transversely scabrid-rugulose. Pappus white, soft,  $\frac{1}{4}$  in. long.

**Nile Land.** Cordofan, *Kotschy!* Gallabat, *Schweinfurth!* White Nile, *Schweinfurth!* Between Suakin and Berber, *Schweinfurth!*

6. **S. Brunneri**, O. & H. A low shrubby herb, with glabrous horizontal branches. Leaves spathulate or linear obtuse glabrous sessile semi-amplexicaul, mostly auriculate, entire, 1-3 in. long. Capitula oblong, apparently about 13-flowered,  $\frac{1}{2}$ - $\frac{3}{4}$  in. long, on bracteolate pedicels of  $\frac{1}{2}$ -2 in. long, few together, in lax cymes. Inner involucre bracts about 8, lanceolate, more or less scarious. "Achenes tetragonous elongated not attenuate at the apex, angles subacute, striate, the inner ones densely squamulose." Pappus subtawny,  $\frac{3}{8}$  in. long.—*Rhabdotheca Brunneri*, Webb in Hook. Niger. Fl. p. 147 note; *Microrhynchus Brunneri*, Walp. Ann. ii. p. 976.

**Upper Guinea.** Senegambia, Sôr Island, *Brunner!*

7. **S. prenanthoides**, O. & H. Pale perennial herb, 1-3 ft. high, divaricately branched, glabrous, glaucous, leafy at the crown of the root, sparingly so above. Leaves pinnatifid-dentate or the upper ones subentire, oblong, narrowed towards the amplexicaul base; the lower ones 2-6 in. long, scarcely petiolate; the upper ones smaller, sessile, auriculate. Capitula oblong,  $\frac{1}{2}$ - $\frac{3}{4}$  in. long, 20-25-flowered, on bracteolate pedicels of  $\frac{1}{2}$ - $1\frac{1}{2}$  in., in a divaricate cyme. Inner involucre bracts about 5, lanceolate, scarious. Achenes  $\frac{1}{4}$ - $\frac{1}{3}$  in. long, subterete, slender, somewhat tapering upwards, smooth, 10-costate. Pappus soft,  $\frac{1}{3}$ - $\frac{3}{8}$  in. long.—*Zollikoferia prenanthoides*, Hochst. in Herb. Kotsch. Nub. n. 427; *Rhabdotheca prenanthoides*, Schultz Bip. in Aschers. Enum. p. 286.

**North Central.** Kouka, *E. Vogel!*

**Nile Land.** Cordofan, *Kotschy!*