

Lepanthes barbosa Luer, *sp. nov.* TYPE: COSTA RICA. Guanacaste: Peña Blanca, alt. 1850 m, collected by G. Barbosa, flowered in cultivation at Monteverde, 21 Mar. 1995, C. Luer 17462 (Holotype: CR; Isotype: MO). Fig 2.

Planta grandis, inflorescentia racemosa congesta folio elliptico acuminato brevior, sepalis ovatis acutis, petalorum lobo superiore late oblongo, lobo inferiore brevi-falcato, labelli laminis ovatis connectivis latis cum appendice pedunculata protuberanti.

Plant medium in size to large, epiphytic, caespitose; roots slender. Ramicauls stout, erect, 10–16 mm long, enclosed 15–16 lepanthiform sheaths with dilated, ciliated ostia. **Leaf** erect, coriaceous, elliptical, subacute, acuminate, 7–10 cm long, 22.8 mm wide, the base cuneate into a petiole 1.5–2 mm long. **Inflorescence** a congested, successively several-flowered raceme, up to ca. 1 cm long, borne behind the leaf by a slender peduncle 3–4 cm long; floral bracts oblique, lightly muricate, 3 mm long; pedicels 3–4 mm long; ovary 2 mm long; **sepals** pale orange, carinate, the dorsal sepal ovate-triangular, 5.5 mm long, 4.5

mm wide, 3-veined, connate to the lateral sepals for 1 mm, the lateral sepals ovate, oblique, acute, 5.5 mm long, 3 mm wide, 1 mm; **petals** orange with purple margins, microscopically pubescent, transversely bilobed, 1.5 mm long, 4 mm wide, 3-veined, the upper lobe broadly oblong, rounded at the apex, the lower lobe shorter, broadly falcate, incurved; **lip** orange with purple margins, bilaminate, the blades microscopically pubescent, ovate, obtuse, lightly concave, 1.75 mm long, the connectives broadly oblong, the body connate to the base of the column, the sinus notched, protuberant, with a pedunculated appendix, the apical segment triangular, pubescent; **column** stout, 1.5 mm long, the anther apical and the stigma sub-apical.

ETYMOLOGY: Named in honor of Gabriel Barbosa of Monteverde, Costa Rica, who discovered this species.

This handsome species was collected by Gabriel Barbosa and cultivated by him at his home in Monteverde. It is distinguished by the stout ramical clad in a series of brown sheaths with dilated ostia with ciliate margins, reminiscent of those of *L. erinacea* Rchb.f. The successively flowered raceme is borne near the middle of the back of the leaf by a slender peduncle. The sepals are acute; the upper lobe of the transverse petals is broadly oblong while the lower lobe is short and falcate-incurved (reminiscent of several Andean species); and the ovate blades of the lip are borne by broad, thick connectives from a broad body. The sinus is protruding and notched with a pedunculated appendix.

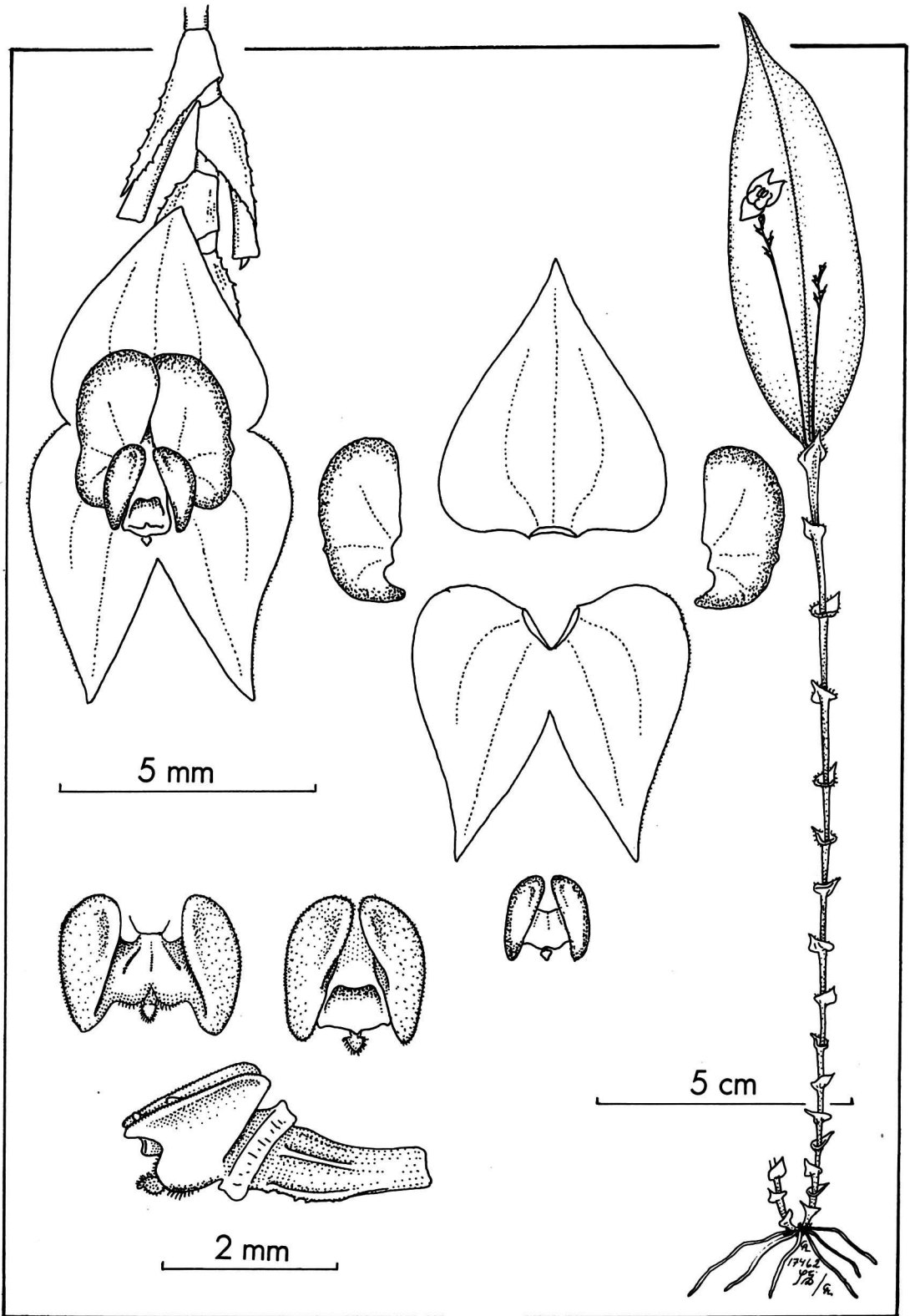


Fig. 2. *Lepanthes barbosa* Luer.