

**Trigonidium Lankesteri** Ames sp. nov. Rhizoma repens, validum. Pseudobulbi inter se satis distantes, apice quinquefoliati. Scapus e basi pseudobulbi oriens. Folia oblongo-lanceolata, in petiolum conduplicatum contracta. Sepala infra medium conniventia, supra medium valde patentia, ligulata, acuta. Petala quam sepala multo minora, ligulata, apiculata. Labellum trilobatum, carnosum; lobis lateralibus erectis, porrectis, anice triangulari-acutis; lobo medio oblongo, obtuso. Columna carnosae.

Rhizome 20–35 cm. long between the pseudobulbs, 6 mm. in diameter, yellowish, with closely appressed cylindrical obtuse sheaths which are 2 cm. long. Pseudobulbs 8 cm. long, tapering upward from a broad base which is 3 cm. thick in greatest diameter, yellowish and deeply sulcate when dry, subtended by rigid imbricating sheaths, 5-leaved at the summit, the leaves imbricating at the base, distichous. Leaves 22.5–27 cm. long, 4 cm. or more wide, thinly coriaceous, oblong-lanceolate, acute, contracted at base into a conduplicate petiole which is about 5 cm. long. Flower solitary on a short scape which arises from the young rhizome at the base of the terminal pseudobulb. Scape completely concealed by imbricating sheaths, stout. Lateral sepals 5 cm. long, 1.6 cm. wide, oblong, abruptly rounded to the acute tip, sharply reflexed above the middle, connivent below the middle and with the dorsal sepal forming a tube. Dorsal sepal similar, but a little narrower. Petals 2.4 cm. long, about 8 mm. wide, broadly oblanceolate, apiculate, with a callus-thickening on the inside near the tip. Labellum 1.4 cm. long, 5 mm. wide near the apex, 3-lobed, oblanceolate in outline when spread out; lateral lobes erect, the free portion of each lobe 1.5 mm. long, triangular-acute (from tip of the lateral lobes to the base of the labellum 9 mm. long); middle lobe 6 mm. long, oblong-orbicular, obtuse, upper surface minutely glandular, under surface heavily verrucose along the middle. Disc with a median bilobed callus, minutely glandular. Column 1 cm. long, fleshy.

*Trigonidium Lankesteri* is readily distinguished among the Central American species of the genus by means of its exceptionally large flowers, elongated rhizome and 5-leaved pseudobulbs.

COSTA RICA, Las Concavas, in cultivation, C. H. Lankester 367 (Type) & 465, February 2, 1923. Sepals cinnamon or clay color (Ridgway), on the frontal portion, exteriorly, veined purplish, where forming tube olive ochre to light yellowish olive. Petals shining, veined chocolate spotted with purple, also a suffused patch of chocolate on inner upper angle of sepals. Labellum only just visible without spreading sepals and petals, ivory white, spotted beneath and above with deep chocolate. Flowers 4.2 cm. across from tip to tip of the lateral sepals, 3.9 cm. long from angle formed by the reflexed sepals to summit of the ovary. (TYPE in Herb. Ames No. 24135.)