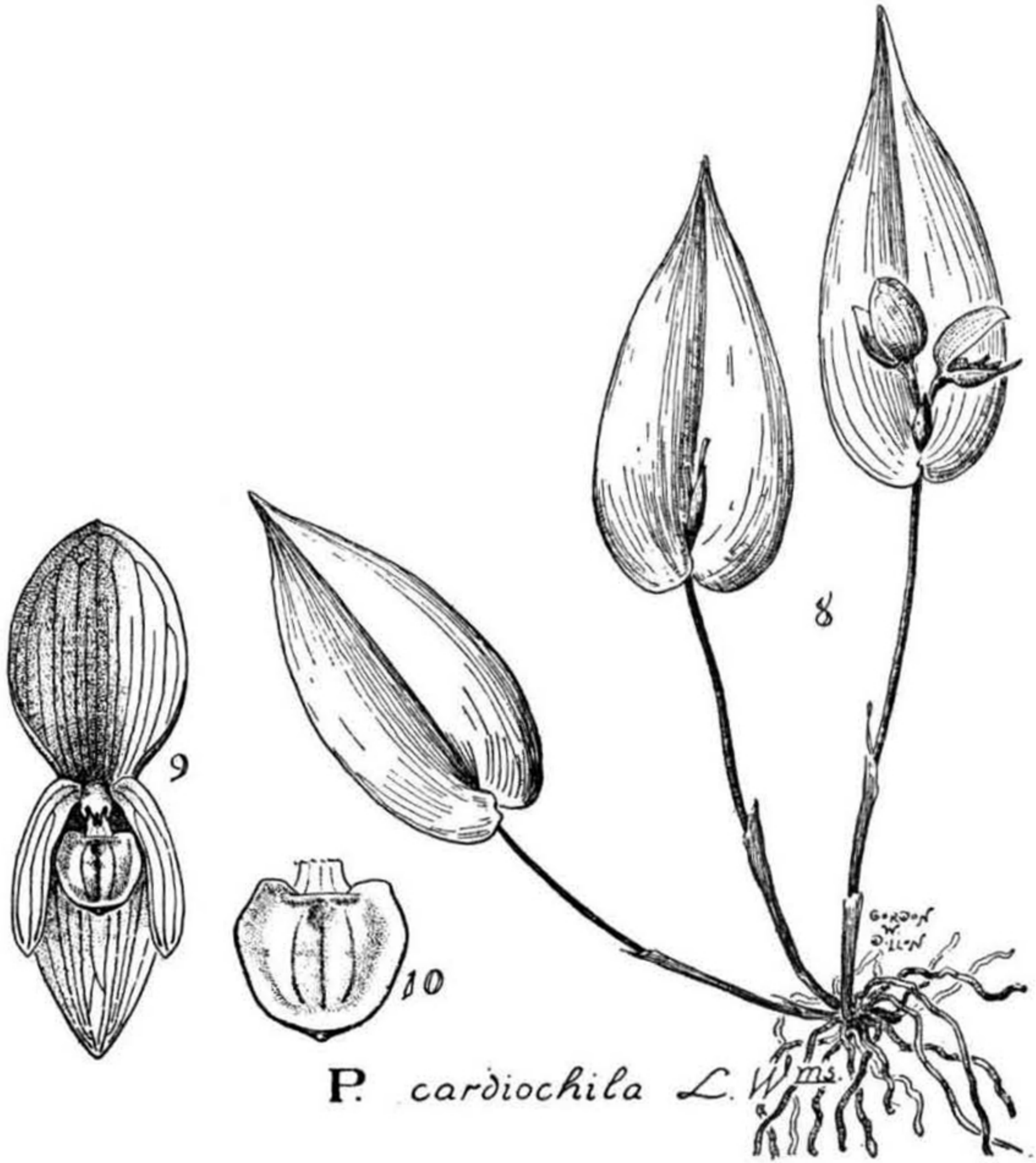


*PLEUROTHALLIS cardiochila* L. O. Williams, sp. nov. (pl. 33, figs. 8–10). Herbae caespitosae, epiphyticae, usque ad ca. 21 cm. altae. Folia lanceolato-cordata, acuminata, coriacea. Inflorescentia fasciculata, uni(-pauci)-flora. Sepalum dorsale oblongo-ovale, obtusum, cucullatum. Sepala lateralia connata, ovata, acuta. Petala lineari-oblonga, acuta, basi subauriculata. Labellum unguiculatum; lamina suborbiculari-cordata, obtusa; unguis oblongus. Columna generis.

Small caespitose epiphytic herbs up to about 21 cm. tall. Secondary stems up to about 11 cm. long, slender, with 1–2 loose, chartaceous sheaths toward the base, naked above. Leaves 9–10 cm. long, 3.6–3.9 cm. broad, lanceolate-cordate, acuminate, coriaceous. Inflorescence a 1(-few ?)-flowered fascicle subtended by a chartaceous sheath about 1–1.5 cm. long, much shorter than the leaves. Flowers very large for the group, yellowish with the dorsal sepal tinged with dark red, lip deep orange. Dorsal sepal about 20 mm. long, 12.5 mm. broad, oblong-oval, obtuse, with 7–9 principal nerves, strongly cucullate. Lateral sepals connate to their apices, about 18 mm. long, 10 mm. broad, ovate, acute, with 7–9 principal nerves. Petals about 13 mm. long, 2.5 mm. broad, linear-oblong, acute, arcuate, subauriculate on the posterior margin at the base, entire, 3-nerved at the base, the posterior nerve short, anterior nerve branched near the base,—hence the apical part of the petal 3-nerved. Lip unguiculate; lamina about 6 mm. long, 5.5 mm. broad, suborbicular-cordate, obtuse, callus-thickened along the sinus and below at the subapiculate apex, 3-nerved; claw about 2 mm. long, oblong. Column about 3 mm. long; clinandrium lacerate-digitate.—CHIRIQUÍ: rain forest, Bajo Chorro, Boquete District, alt. ca. 1800 m., Jan. 13, 1938, *Davidson 119* (Herb. Ames, TYPE).

*Pleurothallis cardiochila* is most nearly allied to *P. palliolata* Ames, from which it is easily distinguished by the suborbicular-cordate lip and by the 3-nerved, entire petals.



*P. cardiochila* L. Wms.