

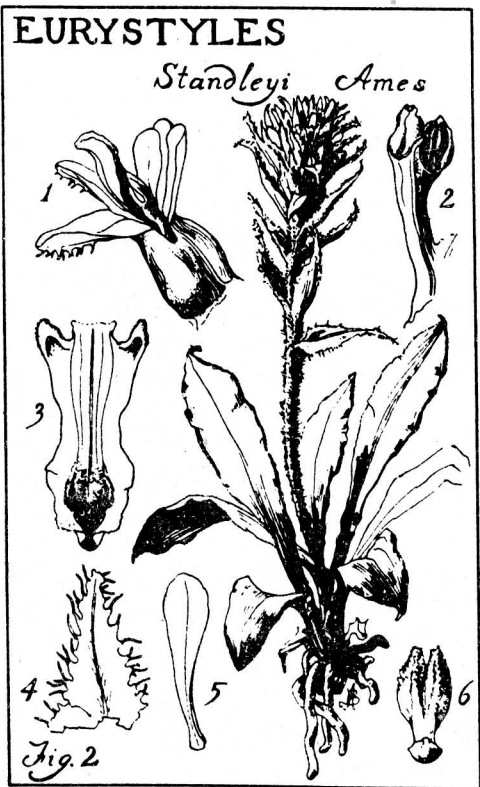
Eurystyles Standleyi Ames sp. nov. Herba epiphytica, pusilla, foliis rosulatis. Folia elliptico-lanceolata, acuta, margine minute ciliolato. Pedunculus erectus, rufo-pubescentis. Racemus densus, floribus congestis. Bractee inflorescentiae rhombico-lanceolatae, margine glanduloso-fimbriato. Sepala basi connata, oblonga, lateralibus extus glandulosis. Petala oblanceolata, uninervia. Labellum panduratum, basi sagittato-auriculata, ungue calcari omnino adnato. Columna in pedem recurvum producta. Rostellum obtusum.

Epiphytic herb up to 7.5 cm. tall to the tip of the densely-flowered raceme. Roots fibrous, coarse, spreading. Leaves 3–4.5 cm. long, up to 1 cm. wide, crowded, rosulate, elliptic-lanceolate, membranaceous, shining, acute, with the margin finely and shortly ciliolate. Scape including the raceme 4–7.5 cm. long, exceeding the leaves, densely clothed with rufous pubescence. Raceme 1.5–3 cm. long, up to 1.5 cm. in diameter, many-flowered, with the flowers ascending, crowded. Bracts of the inflorescence rhombic-lanceolate, 12 mm. long, about 5 mm. wide near the middle, acuminate, acute, margin conspicuously glandular-fimbriate, mid-nerve somewhat prominent on the dorsal surface, conspicuously glandular. Ovary about 6 mm. long, ellipsoidal, smooth, inconspicuously pedicellate. Perianth about 7 mm. long, with the sepals and petals hardly spreading. Lateral sepals coherent with the dorsal sepal for about one half their length, forming an ample tubular base which is shortly decurrent laterally on the ovary and narrowed upward; free portion of the sepals about 4 mm. long, narrowly oblong, the laterals conspicuously glandular along the mid-nerve on the exterior surface, the dorsal smooth. Petals adherent to the dorsal sepal, about 4 mm. long, 1.25 mm. wide above the middle, oblanceolate, rounded at the tip, 1-nerved. Labellum adherent to the lateral sepals, glandular near the tip, free portion about 5 mm. long, with the margins adherent to the column at about the middle, pandurate, obtuse, sagittate at the base near the point of insertion on the lateral sepals with the basal auricles 1 mm. wide and glandular. Column 5 mm. long, produced at base into an upcurved foot. Rostellum obtuse.

Eurystyles Standleyi is allied to *E. actinosophila* (Rodr.) Schltr., but differs from it in the shape of the petals and labellum. From *E. auriculata* Schltr., the only Costa Rican ally, it differs chiefly in the details of the labellum. [Fig. 2: 1, flower partly dissected to show the perianth organs, column and tubular base of calyx formed by the coherence of the

EURYSTYLES

Standleyi Ames



NEW OR NOTEWORTHY ORCHIDS

lateral sepals with the dorsal sepal $\times 4$. 2, column, pollinia removed $\times 3 \frac{1}{3}$. 3, labellum partly spread out $\times 6$. 4, tip of a floral bract much enlarged. 5, petal $\times 5 \frac{3}{4}$. 6, pollinia much enlarged.]

COSTA RICA, Province of Cartago, El Muneco, south of Navarro, *Paul C. Standley 33747*, February 8, 9, 1924. About 1400 meters altitude. (TYPE in Herb. Ames No. 29718.): Province of San José, La Hondura, *Standley 36349*, March 2-4, 1924. 1300-1700 meters altitude.