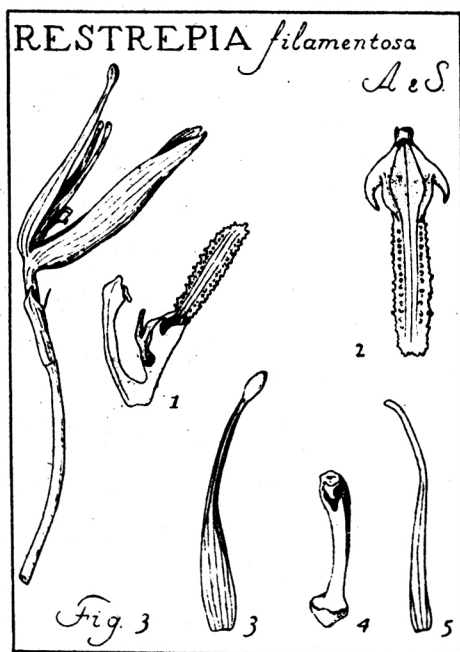


***Restrepia filamentosa* A. & S. sp. nov.** Herba gracilis. Caules monophylli, vaginis scariosis omnino obtecti. Foliolum anguste ellipticum, coriaceum, in sicco erectum. Flos flavidus, rubro-striatus. Pedicellus tuberculo filiformi conspicuo praeditus. Sepala lateralia dimidio basali connata, lanceolata. Sepalum dorsale peranguste lanceolatum, parte superiore filiformi, apice crasso dilatato. Petala multo minora. Labellum circuitu lanceolatum, parte inferiore sub-orbiculari, utrinque lobulo triangulari ornata; parte anteriore ligulata, retusa et eroso-dentata. Columna gracilis.

Plant slender, 8.2–12 cm. tall to the tip of the erect leaf. Roots fibrous, flexuous, very slender, inconspicuously pulverulent. Stems caespitose, monophyllous, 4.4–6 cm. long, entirely concealed by five to seven imbricating loose tubular



scarios sheaths or the fibrous remains of sheaths. Leaf narrowly elliptic, shortly petioled; lamina 3.9–4.8 cm. long, 1.15–1.8 cm. wide across the middle, acute and minutely bilobed and apiculate at the apex, cuneate at the base, coriaceous, the mid-nerve conspicuous. Peduncle filiform, 3.4–4.4 cm. long, shorter than the petioled leaf. Pedicel (including the ovary) 5–8 mm. long, on its lower half a tubular bract which is mucronate at the tip, below the jointed ovary

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on the anterior face of the pedicel a prominent filamentous process 2 mm. long. Perianth segments spreading. Lateral sepals 1.5 cm. long, their basal half connate, 4.5 mm. wide near the base; free portion lanceolate, 6-nerved, acutish, tips cucullate on account of the involute apical margins. Dorsal sepal about 1.5 cm. long, 2 mm. wide near the base, narrowly lanceolate above, gradually extended into a filiform channelled isthmus which is dilated into a fleshy tip, 5-nerved near the lightly concave base. Petals about 1.1 cm. long, narrowly linear, contracted into a filiform fleshy portion which is slightly dilated at the apex, 3-nerved (only the mid-nerve is prominent, as the lateral ones are very near the margins). Labellum narrowly lanceolate in outline, about 6.9 mm. long from the base of the short narrow claw to the porrect teeth at either side of the retuse apex; lamina, basal part suborbicular, with a small erect porrect falcate-triangular lobule and with two low thickened keels—one on each side—which converge slightly; anterior portion ligulate, retuse, erose-dentate, 4-nerved, with a more or less distinct pair of parallel lines of papillae on the inner surface. Column about 4 mm. long, slender, dilated above, and broadened below into a very short fleshy curved foot.

Restrepia filamentosa is noteworthy for having the slender filament on the pedicel (observable in some species) unusually prominent. *R. Powellii* Schltr. is somewhat allied to this plant, but differs in the floral proportions. *R. subserrata* Schltr. is apparently another ally, but is a lower plant with larger, differently proportioned flowers. [Fig. 3: flower, side view $\times 2$. 1, column and labellum, side view $\times 3\frac{1}{2}$. 2, labellum, front view $\times 4$. 3, dorsal sepal $\times 2\frac{1}{2}$. 4, column $\times 4$. 5, petal $\times 3$.]

PANAMA, Province of Chiriqui, Cerro Horquita, C. W. Powell 344, October 1923. "Grows in shade on fallen trees and on logs. Flowers, ground color light yellow. Dorsal sepal has a red stripe down the centre for one half, apical yellow. Other sepals have red at base, with red stripe. Petals striped red. Column green with white cap." (TYPE in Herb. Ames No. 27297.)