

ACACALLIS.

SEPALA patentia, petaloidea; lateralibus basi imâ levissimè productâ connatis.

PETALA subæqualia, basi subobliqua.

LABELLUM unguiculatum, sepalis longius, petaloideum; *hypochilio* (ungue) lineari, apice saccato, margine lobato; *mesochilio* brevi, è facie sacci, 3-corni; *epichilio* transverso, basi concavo, juxta mesochilium verticaliter plicato.

COLUMNA brevis, subteres, anticè marginata, cum labello continua, apice alata; *stigma* subrotundum, in marginem inferiorem bicallosum, superiore 3-partito, laciniis lateralibus brevibus forcipatis intermediâ (rostello) subulatâ.

POLLINIA duo, cereacea, (pedicellata, biloba, emaciata, fortè casu quodam); *caudiculâ* rhombeâ; *glandulâ* parvâ, subrotundâ.

Herba *epiphyta*, Americæ tropicæ, *pseudobulbosa*. Folia *nervosa*. Racemi *erecti*, *pauciflori*. Flores *speciosi*.

Allied to *Huntleya*, *Warrea*, &c., but clearly distinguished by its long narrow hypochil, with a deep bag at the point, surrounded by a five-lobed reflexed border, and furnished in front with three projecting processes arising from the very base of the mesochil at its junction with the hypochil and just above the concave ribbed base of the epichil. Mr. H. G. Reichenbach's *PARADISANTHUS*, with which I am unacquainted, would seem to be also a genus related to this.

1. *A. cyanea*.

Wild in BRAZIL; Barra of Rio Negro, on trees by forest streams; July, 1851; Spruce, 1790, (*v. s. sp.*)

This is a very fine plant, with the habit of a *Maxillaria* of the racemose section, and with flowers as large as those of *Odontoglossum Pescatorei*. Mr. Spruce reports the sepals and petals to be light blue, paler within; the lip light bluish purple with pale veins; back and wings of column streaked with red. He adds that the blue of the flower is almost perfectly pure. The leaves are three inches broad by fifteen inches long, with much the texture of a *Stanhopea*; at the base they gradually taper into a furrowed petiole three inches long. The pseudobulb is ovate, and one-leaved. The peduncle, including the close five-flowered raceme, is about a foot long.

Sepala et petala subrotunda, apiculata, basi cuneata. Hypochilii saccus margine acutè 5-dentato actus; mesochilii processus recti, subulati; epichilium transversum, subtrilobum, denticulatum, basi latè cuneatum, concavum, lobo medio minuto acuminato integerrimo. Columnæ alæ membranacæ, quadratæ. Clinandrium dorso cornutum. Anthera membranacea, ecristata.