

182. BIERMANNIA King & Pantling, J. Asiat. Soc. Bengal, Pt. 2, Nat. Hist. 66: 591. 1897.

胼胝兰属 *pian zhi lan shu*

Chen Xinqi (陈心启 *Chen Sing-chi*); Jeffrey J. Wood

Herbs, epiphytic, small, monopodial. Stems short, enclosed in leaf sheaths. Leaves several, linear, \pm fleshy, jointed and sheathing at base, unequally bilobed, lobules acute. Inflorescence lateral, racemose, rather short, several flowered; floral bracts small. Flowers usually opening successively, short-lived, resupinate, small. Sepals and petals free, subequal; lateral sepals attached to column base, usually broader. Petals shorter than sepals; lip sessile, narrowly but firmly adnate to column foot at a right angle, sides enveloping or parallel with column, base with a small slitlike opening leading to a small hidden pouch, spur absent, 3-lobed; lateral lobes parallel to or \pm embracing column; mid-lobe linear to narrowly ovate. Column short or rather long, usually stout, with a short foot; pollinia 2, waxy, subglobose, slightly grooved or with a small cavity, attached by a common broadly linear-oblong stipe to a solitary viscidium.

About nine species: China, India, Indonesia, Peninsular Malaysia, Thailand, Vietnam; one species in China.

1. *Biermannia calcarata* Averyanov, Bot. Zhurn. (Moscow & Leningrad) 73: 429. 1988.

trifid-tipped. Column ca. 2 mm; stipe ca. 0.5 mm. Fl. Jul–Sep.

Epiphytic on trees in forests; ca. 800 m. SW Guangxi [Vietnam].

胼胝兰 *pian zhi lan*

Stems ca. 5 mm, base with several fleshy roots. Leaves basal, 4 or 5, oblong-lanceolate, 3–5 \times ca. 1 cm, unequally bilobed. Inflorescence pendulous, 5–12 mm, 3–6-flowered; peduncle and rachis slightly flattened; floral bracts 1–3 mm. Flowers small, pale yellow, lip mid-lobe white; pedicel and ovary 3–5 mm. Sepals similar, elliptic-lanceolate, ca. 9 \times 3 mm, dorsally carinate, cuspidate-acuminate. Petals similar to sepals, ca. 8 \times 2.5 mm, acuminate; lip 3-lobed; lateral lobes erect, ovate-triangular, ca. 1 \times 0.5 mm; mid-lobe spreading horizontally, conic-cucullate, \pm slipper-shaped, ca. 6 \times 2 mm, fleshy, obtuse; pouch oblong-cylindric, ca. 2 \times 1.5 mm, slightly

