

obtuse or rounded at apex, 4.6–6.8 cm long, 1.2–1.8 cm wide, maroon-ciliate. *Lip* 2.5–4.4 cm long, 2–2.5 cm wide, warty on incurved side-lobes. *Staminode* lunate, 11 mm long, 7 mm wide, apical lateral teeth falcate, acute to obtuse. $2n = 32$. (PLATE 62 & FIG. 103).

DISTRIBUTION. Thailand, Cambodia and Laos; 300–1300 m altitude. (MAP 63).

Paphiopedilum callosum (Rchb. f.) Stein, *Orchideenbuch* 457 (1892); Pfitzer in Engler, *Pflanzenr. Orch. Pleon.* 92 (1903); Seidenfaden in *Bot. Tidsskr.* 67: 92 (1972); van Delden in *Orchid Dig.* 36: 9 (1972); Fowlie in *Orchid Dig.* 38: 187 (1974) & 43: 219 (1979). Type: Thailand, Regnier (holotype W!). *Cypripedium crossii* E. Morren in *Belg. Hort.* 15: 226, t. 17 (1865), *nom. nud.*

C. callosum Rchb. f. in *Gard. Chron.* ser. 2, 26: 326 (1886).

C. schmidtianum Kraenzl. in *Bot. Tidsskr.* 24: 13 (1901); Fowlie in *Orchid Dig.* 40: 164 (1976). Type: Thailand, Koh Chang, Klong Son, Schmidt 789 (lectotype C!).

Paphiopedilum callosum var. *schmidtianum* (Kraenzl.) Pfitzer in Engler, *Pflanzenr. Orch. Pleon.* 93 (1903).

Cordula callosa (Rchb. f.) Rolfe in *Orchid Rev.* 20: 2 (1912).

Paphiopedilum callosum var. *angustipetalum* Guillaumin in *Bull. Soc. Bot. France* ser. 4, 24: 551 (1924).

Type: Cambodia, Geoffrey 338 (holotype P!).

55a. var. sublaeve (Rchb. f.) P.J. Cribb, *The genus Paphiopedilum*: 188 (1987).

Cypripedium callosum var. *sublaeve* Rchb. f. in *Gard. Chron.* ser. 3, 3: 331 (1888). Type: Thailand, cult. Measures (holotype W!).

C. barbatum var. *warnerianum* T. Moore, *Warner Select. Orch. Pl.* 3: t. 11 (1878). Lectotype: plate cited here.

Paphiopedilum callosum subsp. *sublaeve* (Rchb. f.) Fowlie in *Orchid Dig.* 36: 145 (1972) & 38: 187 (1974).

P. sublaeve (Rchb. f.) Fowlie in *Orchid Dig.* 43: 224 (1979).

P. "thailandense" Fowlie in *Orchid Dig.* 43: 220 (1979), *nom. nud.*

Var. *sublaeve* is distinguished from the typical variety by its somewhat smaller flower with a smaller dorsal sepal, 3.4–4.2 cm long, 3–4.1 cm wide, and shorter relatively broader and less sigmoid petals, 4–5 cm long, 1.6 cm wide, borne at an angle of c. 45° to the horizontal. The petals usually bear warts only on the upper margin. (FIG. 104).

DISTRIBUTION. Peninsular Thailand and adjacent north-west Malaya; 700–950 m altitude.

55b. var. potentianum (O. Gruss & J. Röth) P.J. Cribb, *stat. nov.*

P. potentianum O. Gruss & J. Röth in *Caesiana* 5: 39 (1995). Type: Thailand, cult. E. & G. Potent, Roth s.n. (holotype HAL!).

Differs from the typical variety in its petals which lack the marginal warts on the upper margin and in its narrower dorsal sepal, c. 4 by 2.6 cm. (FIG. 105).

Fig. 105. *Paphiopedilum callosum* var. *potentianum*, close-up of flower. (Photo.: P. Cribb)

