

14. PRISTIMERA Miers, Trans. Linn. Soc. London 28: 360. 1872.

扁蒴藤属 *bian shuo teng shu*

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Woody lianas, glabrous or puberulent; branches terete to quadrate, internodes slightly dilate, lenticellate. Leaves opposite or subopposite, entire or serrate. Inflorescences axillary, rarely terminal, cymose, rarely thyrsoid. Flowers bisexual, 5-merous, light yellow. Disk fleshy, inconspicuous, annular or cupular, extrastaminal. Stamens 3; anthers transversely dehiscent, extrorse. Ovary compressed, triangular, 3-locular; ovules axile, 2–6 per locule, binate or imbricate from apex to base per locule. Fruits commonly 3-fascicled capsules or degenerating into only 1 capsule; capsule transversely flattened, thinly leathery, grooved, loculicidally dehiscent. Seeds 2–6, with membranous basal wing, conspicuously 1-grooved at middle, exalbuminous.

About 30 species: mainly in Central and South America and tropical Asia; four species (one endemic) in China.

- 1a. Petals 2–3 mm; capsule 6-seeded; leaf blade leathery ..... 4. *P. cambodiana*
- 1b. Petals ca. 1.5 mm; capsule 1-seeded; leaf blade papery.
  - 2a. Leaf blade usually 8–15 × 5–7 cm; ripe capsule 6.5–8.5(–12) × 2.5–3(–3.8) cm ..... 3. *P. arborea*
  - 2b. Leaf blade usually 3.5–8(–10) × 2–4(–5) cm; ripe capsule 2.5–4(–4.5) × 1–1.5 cm.
    - 3a. Young branches and inflorescence branches glabrous, usually subterete ..... 1. *P. indica*
    - 3b. Young branches and inflorescence branches densely glandular, setulose, sharply quadrangular ..... 2. *P. setulosa*

1. *Pristimera indica* (Willdenow) A. C. Smith, Amer. J. Bot. 28: 440. 1941.

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*Hippocratea indica* Willdenow, Sp. Pl. 1: 193. 1797; *Reissantia indica* (Willdenow) N. Hallé.

Lianas; branchlets green, early slightly quadrangular, then cylindric, glabrous. Petiole 1–1.5 cm, grooved; leaf blade ovate, ovate-elliptic, or rarely lanceolate, 3.5–7(–10) × 2.5–4(–5) cm, papery, base cuneate, distal margin sparsely denticulate, apex subacute; lateral veins 5 or 6 pairs, slender, reticulate veins horizontally spreading. Cymes 3–5 cm; bracts lanceolate, margin sparingly ciliate; pedicel 8–10 mm. Flowers green-white; sepals ovate-deltoid, ca. 1 mm, membranous, margin irregularly denticulate; petals oblong-deltoid, ca. 1.5 mm. Stamens longer than style; anthers slightly square. Ovary with 4 ovules per locule; style subtriangular. Fruits 1–3-fascicled capsules; capsule narrowly oblong-elliptic, 3–4 × 1–1.5 cm, apex emarginate. Seeds 2, ca. 2.5 cm, wing apex emarginate. Fl. May–Jul, fr. Sep–Oct.

Rare, shrubs of low-lying areas; below 100–1600 m. Guangdong (Xuwen), Hainan [India, Indonesia, Malaysia, Myanmar, Philippines, Sri Lanka, Thailand, Vietnam].

2. *Pristimera setulosa* A. C. Smith, J. Arnold Arbor. 26: 175. 1945.

毛扁蒴藤 *mao bian shuo teng*

Lianas; young branchlets slightly quadrangular, copiously setulose, annually glabrescent; old branches terete, cinereous. Petiole slender, 3–5 mm, slightly grooved on 2 sides; leaf blade elliptic, 4–7 × 2–4 cm, papery, yellow-green when dry, base obtuse or subacute to decurrent, margin sparsely denticulate to crenulate-serrate, apex obtuse or shortly cuspidate; lateral veins 4 or 5 pairs, reticulate veins conspicuous. Cymes solitary or binate, axillary, 1.5–3 cm; inflorescence branches copiously setulose; bracts papery, deltoid-oblong, 0.5–0.8 mm,

glabrous; pedicel slender, shorter than 1 mm, obscurely setulose. Flowers yellow-white; sepals membranous, deltoid-oblong, ca. 0.5 mm, margin erosulate; petals papyraceous, elliptic-oblong, ca. 1 mm, entire, glabrous. Disk inconspicuous. Filaments ligulate; anthers nearly globose. Ovary depressed globose; ovules 2 per locule; style less than 1 mm, apex truncate. Fruits 1–3-fascicled capsules; capsule oblong-elliptic, 3.5–4 × 2–2.5 cm, flattened, apex rounded. Seeds 2, black-brown when dry. Fl. Jun–Feb, fr. Sep–Oct.

• Sparse limestone forests; 600–1600 m. SW Guangxi, SE Yunnan.

3. *Pristimera arborea* (Roxburgh) A. C. Smith, J. Arnold Arbor. 26: 176. 1945.

二籽扁蒴藤 *er zi bian shuo teng*

Fl. China 11: 491–492. 2008.

*Hippocratea arborea* Roxburgh, Pl. Coromandel 3: 3. 1811.

Lianas; branchlets brown-yellow, brown when old, glabrous, oblong lenticellate. Petiole 1–1.5 cm, grooved; leaf blade broadly ovate or ovate-oblong, 8–15 × 5–17 cm, papery, base rounded or broadly cuneate, margin sparsely dentate, apex acuminate; lateral veins 6 or 7 pairs, reticulate veins horizontally spreading. Cymes solitary, axillary or terminal, usually 5–6 cm, glabrous. Flowers light yellow; sepals oblong, less than 1 mm, apex rounded, entire. Stamens longer than style; filaments flattened; anthers nearly square. Ovary with 2 ovules per locule; style ca. 1 mm, apex truncate. Fruits 1–3-fascicled capsules; capsule narrowly elliptic, 6.5–8.5(–12) × 2.5–3(–3.8) cm, base cuneate, apex subacute, 2-seeded. Seed wing ca. 6 cm, apex emarginate. Fl. Jun, fr. Oct.

Shrubs of mountainous slopes and valleys; 300–1100 m. SW Guangxi, S Yunnan [Bhutan, India, Myanmar].

**4. *Pristimera cambodiana*** (Pierre) A. C. Smith, J. Arnold Arbor. 26: 177. 1945.

风车果 feng che guo

*Hippocratea cambodiana* Pierre, Fl. Forest. Cochinch. 4: t. 302b. 1893.

Lianas; branches terete, gray-brown and glabrous when young. Petiole 1–1.5 mm; leaf blade ovate-oblong, ovate-elliptic, or ovate-lanceolate, 12–15 × 5–9 cm, subleathery, base broadly cuneate, margin sparsely denticulate, apex acuminate or subacute; lateral veins 6 or 7 pairs, reticulate veins abaxially conspicuous, horizontally spreading. Flowers light green; sepals oblong, 2–3 × ca. 0.7 mm; petals involute. Filaments flat; anthers subglobose, basifixed. Ovary with 6 ovules per locule; style less than 1 mm; stigma slightly 3-lobed.

Fruits 1–3-fascicled capsules; capsule oblong, 7–8(–12.5) cm, flattened, base rounded, apex obliquely truncate or obliquely emarginate, 6-seeded. Seeds flattened, black when dry. Fl. May–Jun, fr. Jun–Feb.

Sparse forests of mountainous slopes; 200–1500 m. S and SW Guangxi, S and SW Yunnan [Cambodia, Myanmar, Thailand, Vietnam].

Fl. China 11: 491–492. 2008.