

**18. SINOWILSONIA** Hemsley, Hooker's Icon. Pl. 29: t. 2817. 1906.

山白树属 shan bai shu shu

Shrubs or small trees, deciduous; young branches and leaves abaxially stellately tomentose; buds naked. Leaves petiolate; stipules linear-lanceolate, caducous, leaving small scars; leaf blade membranous or papery, slightly asymmetrical, margin usually serrulate, venation pinnate, 2 basal lateral veins usually with tertiary veins. Plants monoecious (or bisexual). Inflorescence spicate or racemose, terminal, pendent, most parts stellately tomentose; flowers bracteate and bracteolate. Flowers unisexual. Floral cup urceolate, enclosing most of flower. Sepals 5, narrowly spatulate, exserted from floral cup. Petals lacking or present as tiny rudiments. Male flowers: pedicellate; stamens 5, opposite to sepals, filaments very short; anthers ellipsoid, thecae 2-sporangiate, each dehiscent by 2 valves; ovary rudimentary. Female flowers: sessile; staminodes 5; ovary nearly superior but enclosed by floral cup; ovules 1 per locule; styles long, filiform, stigma decurrent, exserted from floral cup. Capsules ovoid-globose, woody, stellately tomentose, dehiscent by 2 valves; endocarp loose from exocarp. Seeds 1 per locule; endosperm fleshy.  $2n = 24^*$ ,  $48^*$ .

- One species.

**1. Sinowilsonia henryi** Hemsley, Hooker's Icon. Pl. 29: t. 2817. 1906.

Leaf blade obovate-orbicular, ca.  $13 \times 10.5$  cm, abaxially glabrous. Fl. Mar–May, fr. Jun–Aug.

山白树 shan bai shu

- Forests; 800–1000 m. S Shanxi (Yuanqu Xian).

Shrubs or small trees to 8 m tall. Stipules ca. 8 mm; petiole 0.8–1.5 cm; leaf blade  $10-18 \times 6-10.5$  cm, base rounded to shallowly cordate, asymmetrical, margin entire or dentate, apex acute to shortly acuminate, lateral veins 7–9 on each side, abaxially prominent. Male inflorescences 6–8 cm, lacking basal leaves. Female inflorescences 6–8 cm, with 1 or 2 basal leaves; peduncle ca. 3 cm, pendent, 10–20 cm in fruit. Bracts lanceolate, ca. 2 mm; bracteoles linear-lanceolate, ca. 1.5 mm, stellately tomentose. Male flowers: anthers ca. 1 mm. Female flowers: sepals ca. 1.5 mm, stellately tomentose. Ovary stellately tomentose; styles 3–5 mm. Capsules sessile, ca. 10 mm, villous with gray-yellow hairs, apex acute; persistent floral cup 4–5 mm, stellately tomentose with yellow hairs, loose from capsules. Seeds ca. 8 mm. Fl. Mar–May, fr. Jun–Aug.

- Forests; 800–1500 m. Gansu, Henan, Hubei, Shaanxi, Shanxi, Sichuan.

- 1a. Leaves obovate, rarely elliptic, abaxially pubescent ..... 1a. var. *henryi*
- 1b. Leaves obovate-orbicular, abaxially glabrous ..... 1b. var. *glabrescens*

**1a. Sinowilsonia henryi** var. **henryi**

山白树(原变种) shan bai shu (yuan bian zhong)

*Corylopsis macrostachya* Pampanini.

Leaf blade obovate, rarely elliptic,  $10-18 \times 6-10$  cm, drying discoloured, abaxially pubescent, adaxially sparsely pubescent along veins. Fl. Mar–May, fr. Jun–Aug.

- Forests; 1000–1500 m. Gansu, Henan, Hubei, Shaanxi, Shanxi, Sichuan.

**1b. Sinowilsonia henryi** var. **glabrescens** H. T. Chang, Fl. Reipubl. Popularis Sin. 35(2): 101. 1979.

秃山白树 tu shan bai shu

