A new Purpleheart (Peltogyne, Caesalpiniaceae) from South Bahian Atlantic Forest (Brazil)

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Key words: Caesalpiniaceae, Peltogyne, Bahia, Brazil.

Peltogyne chrysopis Barneby, sp. nov. (Fig. 1)


Inter congeneres floribus secus paniculae ramulos aphylos subsessilibus, hypanthio minimo solido, sepalis suborbicularibus ± 5 mm diam praeter marginem dense albo-velutinis, ovario velutino, necnon leguminis planocompressi de latere visi elliptico-orbicularis (±3 x 2.5 cm) sutura seminifera anguste alata praestans.

Trees 20–25 m with rough gray bark, smooth terete fuscous branchlets, ample bifoiliolate leaves, and terminal exserted panicles of small white-silky-velutinous flowers crowded into short dense spikes, except for the spike-axis and the perianth with androecium glabrous throughout, the coriaceous, reticulate, sparsely punctate leaflets lustrous dark green above, paler dull beneath. Stipules not seen, either lacking or very early caducous. Petioles including pulvinus 10–17 mm, at middle 0.9–1.2 mm diam.; leaflet-pulvinules (4) 6–8 mm, carinate ventrally, slightly twisted outward; blade of leaflets inequilaterally broad-elliptic, ± 5–9 x 3–5.2 cm, 1.7–2 times as long as wide, at base abruptly decurrent into pulvinule, broadly rounded and emarginate at apex; midrib forwardly displaced to divide blade ± 1:1.5, gently incurved, plane ventrally, prominulously carinate dorsally, the stronger secondary nerves ± 10–14 on each side, incurred-ascending from midrib at ± 40°, the coarse reticular venules forming areoles 0.5 mm diam. or less. Efóliate branches of panicle ± 1–2 dm, the ultimate floriferous branchlets sessile, 10–23 mm, 7–24-flowered; bracts suborbicular, ± 2 mm, dorsally subglabrous verruculose, caducous from narrow ledge long before anthesis, shortly densely pubescent dorsally at middle but glabrous around margin; flower-buds subspherical-pyriform; hypanthium less than 1 mm tall, solid; sepals 4, suborbicular 5 mm diam., the adaxial and abaxial pair exterior in vernation, all densely white-velutinous on both faces except for a narrow glabrous border internally; petals 5, membranous, whitish, minutely punctate, oblanceolate, ± 4–5 x 1.5 mm, erose, glabrous, caducous; stamens 10, the filaments ± 6 mm, the elliptic dorsifixed anthers 1.5–1.6 x 0.9–1.1 mm, yellow; ovary sessile, inserted centrally at level of androecium, in profile 2.5 x 2 mm, densely white-velutinous overall, faintly 2–3-ridged vertically on each face, the glabrous style 2.1–2.4 mm, the cap-

Irate stigma 0.6 mm diam. *Fruit* samaroid, plano-compressed, in profile obliquely elliptic-orbicular ± 2.6–3 × 2.3–2.5 cm, the narrowly winged ventral suture 1.7–2.2 cm long, low-convex and describing a little less than 1/3 periphery of the fruit, its wing dilated upward and ± 1.5–2 mm wide at base of style, the dorsal suture narrowly ribbed but not winged, the dull brown, stiffly coriaceous valves glabrescent, intricately low-venulose, thinly resin-dotted; seed 1, plumply discoid, ± 15 mm diam., the hard testa smooth, tan, the shallowly lobed aril ± 4 mm diam.