duplicato-serrata; stipulae subulatæ glandulosæ saepe basin versus laciniatæ, petiolo longiores. Flores solitaires v. bini; pedunculi 3–10 mm. longi, minute puberuli; calyx glaber v. puberulus, late campanulatus, lobi oblongi glanduloso-crenulati 3-nervati reflexi tubo longiores; petala carnea, obovata v. elliptica 7 mm. longa, vix 4 mm. lata; stylus glaber, nunc calycis tubo brevior nunc elongatus; ovarium glabrum; drupa elliptisoides acuta.

A. P. humili, Bunge, ramis hornotinis nec pubescentibus, foliis glabrescentibus, a P. pegonostyla, Maxim. stylo glabro nec piloso, differt.

Hab. in Formosa: Shinchiku (Hiraoka, T. Makino), in campis prope Tooseikaku jurisdictionis Taichoo (Y. Tashiro, no. 18, A); in montosis prope Shinkanshoo (C. Ōwatari). Fl. Decembri-Aprili. Fr. Novembri.

Tipularia japonica, n. sp.

by

J. Matsumura.

Tipularia japonica, Matsumura sp. nov.

Pseudobulbus parvus 1 cm. longus 8 mm. latus. Scapus gracilis, 15–30 cm. longus, glaber, prope basin longe vaginatus, vagina usque $5\frac{1}{2}$ cm. longa; unifoliata, petiolata; lamina ovata acuta glabra supra viridis, subtus violaceo-purpurea, $3\frac{1}{2}$ – $5\frac{1}{2}$ cm. longa, 17–29 mm. lata, 6–7-nerva, petiolo angulato, 15 mm.—5 cm. longo. Racemus laxis; flores minuti, virides purpureo-striati, bracteis nullis; sepala subaequalia oblongo-spatulata, patentia, 3-nervia vix 4 mm. longa, 1 mm. lata; petala sepalis similia, 1-nervia; labellum rotundatum columna longior, 3-lobum, lobo medio longe producto obtuso integro, lobis lateralibus margine denticulatis; calcar tenue, vix 5 mm. longum, ovario paulo longior. Fructus obovoidei, multi-costati, reflexi, glabri.

A. T. unifolia, B. S. P. calcar multo brevius differt. T. Josephii, Reichb. valde similis videtur. An varietas?

Hab. in sylvis umbrosis: Japonia media, prov. Shimotsuke Nikkō (ipse); prov. Hitachi monte Tsukuba legit C. Ōwatari; prov. Kii, monte Kooya (ipse); prov. Settsu legit T. Uchiyama. Fl. Junio, fr. Julio.