Plantæ Japonenses novæ vel minus cognitæ.

(Continued from Vol. XIII. p. 140.)

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Arundinaria quadrangularis (Fenzi) Makino in Bot. Mag., Tokyo, IX. p. 71.

Rhizome widely creeping, slender, with short and terete internodes. Culm erect, attaining about 6 m. in height and about 4 cm. in diameter, quare with obtuse angles, fistulose, asperous with sparse minute tubercles which are the bases of deciduous short hairs, branched above; nodes bi-annular, more or less raised, pubescent at the inferior ring when young, verticillated with very short spiniform deflexed aerial roots; the internode about 8–22 cm. long; branches, at first 3 to a culm-node and afterwards become fasciculate, terete or subsemiterete, with a small hollow, smooth, with much prominent nodes, branchlets dense, 1–2 or fasciculate at nodes, sub-solid, often geniculate, very prominent at nodes. Culm-sheath chartaceo-coriaceous, glabrous but ciliate on the margin, striate, punctate with numerous minute purple spots, many-nerved, with transverse venules forming vertical areolæ between veins, the rudimentary leaves minute or obsolete. Leaves about 2 to 5 to a branchlet, approximate, angustato-lanceolate, gradually acuminate, shortly attenuated at the base and decurrent to the short petiole which is 1–8 mm. in length, 8–29 cm. long, 10–27 mm. broad, glabrous except the scabrous margin, chartaceous, concolorous on both surfaces; midrib slender, prominent beneath; veins 4–7 on each side; vertical venules 5–7 between the veins with delicate transverse venules which form numerous minute rectangular areolæ; ligule short, truncate, minutely ciliated on the margin, pubescent on the back; sheath narrowly terete, sub-carinate on the back above, coriaceous, glabrous, finely striate, ciliato-margined, the mouth with erect fimbriato-cilia. Flower unknown.

Bambusa quadrangularis Fenzi in Bull. Soc. Tosc. Ort. V. 1880, p. 401; Bean in Gard. Chron. 3rd. Ser. XV. p. 368; Mitf. Bamb. Gard. p. 89.

Bambos sikak'take Sieb. Syn. pl. oeconom. univ. regni Jap. 1830, p. 6.

Nom. Jap. *Shikaku-dake*, *Shihō-chiku*.

Hab. Prov. TOSA: Sakawa (*T. Makino*! Nov. 1892); Prov. MUSASHI: Nippori near Tokyo (*T. Makino*! Aug. 17, 1893, Jan. 19, 1900).

A distinct and interesting bamboo having the peculiar culm of square form, a species formerly introduced from China, though it is now commonly planted here and there in this country. This is very closely allied to *Arundinaria marmorea* (Mitf.) Makino (= *Bambusa marmorea* Mitf. Bamb. Gard. 1896, p. 93 cum tab. = *Bambos kantsik* Sieb. Syn. pl. oeconom. univ. regni Jap. p. 5. = *Bambusa Kan-chiku* Hort. = *Arundinaria nana* Makino in Bot. Mag., Tokyo, XI. 1897, p. 160, excl. syn.), although it appears greatly different at first sight.

Arundinaria marmorea (Mitf.) Makino is *Arundinaria Matsumuræ* Hack. in Bull. Herb. Boiss. VII. 1899, p. 716. (To be continued.)