

40139 to 40201—Continued.

to the branches have a curious and interesting appearance. Increased by seeds." (*W. J. Bean, Trees and Shrubs Hardy in the British Isles, vol. 1, p. 452, under Cydonia cathayensis.*)

40161. CHAENOMELES JAPONICA (Thunb.) Lindley. Dwarf quince.

"A low, spreading, deciduous thorny shrub, usually under 3 feet in height, considerably more in width; branchlets very downy when young. Leaves 1 to 2 inches long, obovate or oval to almost orbicular, toothed, tapering at the base to a short stalk, quite smooth; stipules large on the young growing shoots, ovate or broadly heart shaped, one-fourth to three-fourths inch wide. Flowers in almost stalkless clusters from the joints of the year-old wood, very abundant, orange-red, scarlet or blood red, 1½ inches across. Fruit apple shaped, 1½ inches in diameter, yellow, stained with red on the sunny side, fragrant. Native of Japan; introduced about 1869 by Messrs. Maule, of Bristol. This is one of the most charming of red-flowered dwarf shrubs, flowering from April to June, and when at its best, literally wreathing its branches with blossom. It bears fruits freely, and they are pleasantly colored and scented in early winter; though harsh and acid when raw, they make an excellent conserve. Besides its dwarfer habit, it differs from its near ally, *C. japonica* [*C. lagenaria*], in having more obovate or rounded leaves, minutely warted twigs, and more coarsely toothed leaves. (*W. J. Bean, Trees and Shrubs Hardy in the British Isles, vol. 1, p. 453, under Cydonia maulei.*)

40162 to 40175. COTONEASTER spp. Malacææ.

Cotoneaster.

40162. COTONEASTER AFFINIS BACILLARIS (Wall.) Schneider.

"A deciduous shrub, 15 or more feet high, said to be found also as a small tree, of very graceful habit. Branches arching and often pendulous toward the end, the whole forming a wide-spreading mass more in diameter than in height; twigs smooth, or slightly downy. Leaves 1 to 3 inches long, one-third to half as wide, of variable shape, usually oval, ovate, or slightly obovate, pointed, smooth or becoming so; stalk one-fourth to one-half inch long. Flowers white, one-third inch across, borne numerously in cymose clusters, 1 to 2 inches across, at the end of short axillary branches. Fruit roundish, one-fourth inch or less in diameter, purplish brown or nearly black. Native of the Himalayas up to 10,000 feet. This is one of the most useful of cotoneasters, and one of the most graceful. It has been largely planted on the margins of the island of the lake at Kew, where the branches overhang the water and have the elegance of a willow, with the added attractions of abundant flowers and fruits. As a flowering shrub, this is one of the prettiest in the genus, but its fruits have not the bright color that gives to many cotoneasters their greatest charm. The wood is strong and elastic, and is valued in its native regions for making walking sticks and spear shafts. The species is variable in the shape and amount of down on the leaves, and no clear line can be drawn between it and *C. affinis*, which has woolly leaves. (*W. J. Bean, Trees and Shrubs Hardy in the British Isles, vol. 1, p. 406.*)

40163. COTONEASTER DAMMERI Schneider.

"A prostrate, evergreen shrub, with slender creeping stems keeping close to the ground; young wood downy. Leaves obovate or