

43675 to 43701—Continued.

43701. *MALUS BACCATA CERASIFERA* (Spach) Takeda. Malaceæ. **Crab apple.**
(*Pyrus cerasifera* Tausch.)

This crab apple, very probably a hybrid, makes a large tree with a spreading head. The flowers are large and pure white, and the fruit is variable in size, shape, and color. (Adapted from *Bailey, Standard Cyclopedia of Horticulture, vol. 5, 2872.*)

43702. *GUILIELMA UTILIS* Oerst. Phœnicaceæ. **Palm.**
(*Bactris utilis* Benth. and Hook.)

From El Coyolar, Costa Rica. Presented by Mr. Carlos Wercklé. Received December 7, 1916.

"The most valuable palm, besides *Cocos nucifera* and the date. One of the heaviest bearers per acre of all the fruit trees, the fruit ripening during the greater part of the year. The fruit is orange color, is eaten boiled, generally in salt and water; and is very good. Mixed with sugar many kinds of sweet cakes can be made from it; it is more mealy than the farinaceous tuber roots. This palm grows fairly well on the coast up to 1,100 feet; prefers a damp climate, mountain slopes, and deep soil with plenty of humus. These seeds were taken from well-ripened fruits and dried for two hours in the sun under cover of sackcloth." (*Wercklé.*)

43703 to 43736.

From Jamaica Plain, Mass. Presented by the Arnold Arboretum and selected by Mr. H. C. Skeels and Dr. W. Van Fleet, of the Bureau of Plant Industry. Received November 20, 1916.

43703. *MALUS PRUNIFOLIA RINKI* (Koidz.) Rehder. Malaceæ. **Apple.**
(*Pyrus prunifolia rinki* Bailey.)

A wide-spreading small tree, up to 18 feet high, with pink or pinkish flowers and oval, serrate leaves. This tree yields an edible fruit, sometimes reaching a diameter of 1½ inches, of a greenish or yellowish color and with a bitter-sweet flavor. It was formerly cultivated in Japan for its fruit, but is now chiefly used as a stock for the imported varieties. It is a native of China, where it is sparingly cultivated. (Adapted from *Bailey, Standard Cyclopedia of Horticulture, vol. 5, p. 2873.*)

43704. *MALUS SIEBOLDII ARBORESCENS* Rehder. Malaceæ. **Apple.**
(*Pyrus sieboldii arborescens* Bailey.)

A shrub or tree, up to 30 feet high, with slightly pubescent oval-oblong leaves which become red in autumn. The flowers are often nearly white, and the red or yellow fruits are about the size of peas. The typical species has pink flowers and is always a shrub. This tree is a native of Japan and is cultivated both for ornament and as a stock for breeding purposes. (Adapted from *Bailey, Standard Cyclopedia of Horticulture, vol. 5, p. 2874.*)

43705. *MALUS ZUMI* (Mats.) Rehder. Malaceæ. **Apple.**
(*Pyrus zumi* Mats.)

A small tree of pyramidal habit, with oval or oblong leaves from 1½ to 3½ inches long. The flowers are pink in the bud, becoming white after opening, are 1 to 1¼ inches in diameter, and are produced in clusters of four to seven. The globose, red fruits are half an inch in diameter. This