

33793—Continued.

shrub, the canes frequently reaching a height of 12 to 15 or more feet. The fruit is large, from an inch to an inch and a half in length and about an inch in diameter. The flavor is a rather sharp, but to me a pleasant acid. It has always seemed to me that this raspberry might with advantage be crossed with some cultivated variety." (*Hosmer.*)

33794 and 33795.

From Seychelles Islands. Presented by Mr. P. Rivaly Dupont, curator, Botanical Station. Received June 7, 1912.

Seeds of the following:

33794. MUCUNA GIGANTEA (Willd.) DC.

33795. VIGNA LUTEA (Swartz) A. Gray.
(*Vigna retusa* Walp.)

33796. (Undetermined.)

From Montevideo, Uruguay. Presented by Mr. Frederic W. Goding, American consul. Received June 25, 1912.

"Red quebracho, the wood of which forms a most valuable timber and also furnishes tannin in large quantities."

33797 to 33799. GOSSYPIUM spp.**Cotton.**

From China. Presented by Rev. Hugh W. White, American Presbyterian Mission, Yentcheng, Kiangsu, China. Received June 20, 1912.

Seeds of the following; quoted notes by Rev. Mr. White:

This is seed from last year's crop. All three varieties are grown as field crops. The Chinese cotton is generally recognized as being inferior to American. Whether they may have some superiority in the matter of adaptability to poorer soils, I am unable to say. My friends here say they do not raise cotton on land that will bring anything else. So far as I know, these are native varieties. The fiber is used for spinning in the hand fashion. The native cloth is all woven of this cotton. The plants on good soil are said to grow hip high, but what I have seen is usually not much over the knees. The Hsuchoufu varieties have yellow and white flowers mixed. The Yentcheng variety is said to be only white. Both have the purple center."

33797. GOSSYPIUM HIRSUTUM L.

From Yentcheng.

33798. GOSSYPIUM NANKING Meyen.

From Hsuchoufu. "Long staple."

33799. GOSSYPIUM NANKING Meyen.

From Hsuchoufu. "Short staple."

33800 to 33911.

From Chile. Received through Mr. José D. Husbands, Limavida, Chile. Received 1911. Numbered June 25, 1912.

Seeds of the following; quoted notes by Mr. Husbands unless otherwise noted:

33800. ASTERISCIUM CHILENSE Cham. and Schlecht.

"(No. 709.) '*Anisillo.*' '*Muchu.*' Refreshing febrifuge for debility of the stomach, fragrantly aromatic. Plant gives a great quantity of seeds and might give an industrial oil, extract, or essence."

Distribution.—In dry, sandy places in the vicinity of Talcahuano, central Chile.