

55027. PYRUS CALLERYANA Decaisne. Malaceæ. **Pear.**

From Nanking, China. Seeds purchased from J. L. Buck, acting dean, College of Agriculture, University of Nanking. Received April 15, 1922.

A wild pear from the mountains of western China, where it grows at altitudes of 1,000 to 1,500 meters (3,300 to 5,000 feet). This pear maintains a vigorous and healthy condition under the most trying situations and may prove to be a very valuable blight-resistant stock.

For previous introduction, see S. P. I. No. 49097.

55028. PASSIFLORA MALIFORMIS L. Passifloraceæ.

From Cartagena, Colombia. Seeds presented by H. C. Kluge. Received April 17, 1922.

"The flower of this vine is very beautiful, and the fruit is edible." (*Kluge.*)

55029. AELUROPUS REPENS (Desf.) Parl. Poaceæ. **Grass.**

From Algiers, Algeria. Seeds presented by Dr. L. Trabut, director, Service Botanique. Received April 17, 1922.

"Found at very salty places in the Sahara." (*Trabut.*)

A low, much-branched, rigid, perennial grass from the Mediterranean countries. It roots at the nodes and appears to be partial to sandy places, even close to salt water. (Adapted from *Muschler, Manual Flora of Egypt, vol. 1, p. 129.*)

55030. CITRUS sp. Rutaceæ.

From Holguin, Cuba. Seeds presented by Thomas R. Towns. Received April 11, 1922.

"I have used this shaddock, which is the nonedible white variety, as a stock for 20 years and would be lost without it. For grapefruit it is inclined to gum rather more than the sour orange or rough lemon, but my 10-year-old tangerines, worked on this stock, have 2,500 fruits on some of the trees, and the fruits are fine grained and of good commercial size. The Washington Navel on this stock is also very prolific and bears a full crop every year, and I have had equal success with other round oranges like the King, Valencia, Pineapple, and Lue Gim Gong." (*Towns.*)

55031 to 55039. AVENA SATIVA L. Poaceæ. **Oats.**

From Helsingfors, Finland. Seeds presented by Leslie A. Davis, American consul, through E. G. Montgomery, United States Department of Commerce. Received April 15, 1922. Quoted notes by Mr. Davis.

55031. "*Esa* (0644). A white oat."

55032. "*Jalostettu maatais* (0144). This variety was obtained by crossing the Kuopio 091 variety with the Guldregn variety. Its kernel is very dark brown, resembling that of the native stock. It has simple requirements and grows here just as well as native stock. The panicle is large and beautiful. The straw is of average length, somewhat better than that of native stock, but not so strong as that of the Guldregn variety. It ripens at the same time as central Finnish native stock, but five days earlier than the Guldregn variety. During experiments of many years it has often given a better crop than the Guldregn variety and a considerably better one than native stocks, with which it has been compared."

55033. "*Kultasade* (*Guldregn*). This variety from southern Finland thrives in northern Finland only in high warm places."

55034. "*Nopsa* (0206). This is a cross between the Norbotten and Ligovo oat varieties. It has a large black chaffy kernel of which the hull forms a considerable percentage. The panicle is not thick and the stalk is strong. It is very early, ripening two weeks before the Guldregn oat. The crop is good, considering its early ripening, but