

53617 to 53620. SOLANUM TUBEROSUM L. Solanaceæ. Potato.

From Poppelsdorf, Bonn, Germany. Tubers presented by Dr. E. Schaffnit. Received May 25, 1921.

"Potatoes known to be immune to the wart disease." (*Schaffnit.*)

53617. *Pepo.*

53619. *Thieler.*

53618. *Rheingold.*

53620. *Ursus.*

For previous introduction, see S. P. I. No. 33491.

53621. MELILOTUS ALBA DESF. Fabaceæ. White sweet clover.

From Groningen, Netherlands. Seeds presented by C. Broekema, director, Groninger Zaaizaadvereëning. Received June 1, 1921.

Secured for experimental purposes.

For previous introduction, see S. P. I. No. 40937.

53622 and 53623.

From Tripoli, Libia, Africa. Seeds presented by Dr. E. O. Fenzi. Received June 1, 1921. Quoted notes by Dr. Fenzi.

53622. ELEUSINE CORACANA (L.) Gaertn. Poaceæ. **Ragi millet.**

"*Bescna.* The *bescna* appears to be more prized for forage than for grain, although the natives assure me that it will keep in perfect condition for 100 years. This and *gssab* [S. P. I. No. 53623] are practically the only summer forage plants grown by the Arabs, under irrigation, of course."

53623. PENNISETUM GLAUCUM (L.) R. Br. Poaceæ. **Pearl millet.**
(*P. typhoideum* Rich.)

"*Gssab.* The seed of the *gssab* has a better taste than *bescna* and always commands a higher price on the market. It also grows taller than *bescna* and yields more forage, but will need also much more water. It is claimed that it will ripen seeds in 40 days from date of sowing, which statement, however, I can not guarantee. From what I know *P. glaucum* finds its northern cultural limit in Libia.

53624. AVENA SATIVA L. Poaceæ. Oat.

From Aberystwith, Wales. Seeds presented by R. G. Stapledon, director, Welsh Plant-Breeding Station. Received June 4, 1921.

"*Sir Douglas Haig.* A Welsh oat which has more than three grains in a spikelet and was produced by a cross with *Avena nuda* as one of the parents." (*L. E. Thatcher.*)

53625. RUBUS MACRAEI A. Gray. Rosaceæ. Akala.

From Honolulu, Hawaii. Seeds collected by J. F. Rock, Agricultural Explorer of the Department of Agriculture. Received June 6, 1921.

"Spineless variety from near Shipman Ranch, Kilauea, Hawaii. This variety grows epiphytically in the forks of large koa trees (*Acacia koa* Gray) and on fallen logs of the same species, inaccessible to cattle. The dark-red fruits attain a diameter of nearly 2 inches, are very juicy, and, though slightly bitter, are quite pleasant to the taste. The variety would likely improve under cultivation. The canes do not grow as straight as those of the yellow and red varieties on Mauna Kea (S. P. I. Nos. 53480 to 53482), but they are over an inch in diameter at the base; the whiplike branches are very scandent and rambling. These seeds came from a fern forest at an altitude of 4,500 feet on the slopes of Mauna Loa, Hawaii, May, 1921." (*Rock.*)

53626. AVENA BARBATA WIESTII (Steud.) Hausskn. Poaceæ. Grass.

From Gizeh, Egypt. Seeds presented by Thomas W. Brown, director, Ministry of Agriculture, Horticultural Section. Received June 7, 1921.

An erect, sparingly hairy grass up to 2 feet in height, with linear leaves up to 7 inches long. Secured for experimental purposes.