

emerald-green color, but without the resistance of *roxa*. I have found both of the above grasses growing up to 2,000 meters on Caparao, one of the highest mountains of Brazil, and at 1,000 meters living down the wild fern; both these altitudes are subject to frost; I have also ridden through them on the uplands of Minas Geraes when they were coated with a dense white frost." (*R. T. Day.*)

For previous introduction, see S. P. I. No. 41148.

An illustration of a field of molasses grass is shown in Plate III.

47163. CICER ARIETINUM L. Fabaceæ. Chick-pea.

From Mexico. Presented by Mr. S. W. Augenstein, steward, Cosmos Club, Washington, D. C. Received February 27, 1919.

"A large-seeded variety grown in Mexico." (*Augenstein.*)

47164. PAULOWNIA FORTUNEI (Seem.) Hemsl. Scrophulariaceæ.

From Japan. Presented by the Arnold Arboretum, Jamaica Plain, Mass. Received February 21 and 28, 1919.

(Wilson No. 11181.)

A magnificent tree, 30 to 60 feet high, much resembling the well-known *Paulownia imperialis* but having slightly shorter panicles of larger lilac or purple-tinted flowers dotted with purple on the inside of the corolla. A native of central Formosa. (Adapted from *T. Ito, Icones Plantarum Japonicarum, vol. 1, No. 3, p. 5, pl. 9.*)

Received as *Paulownia mikado*, for which we are now using the name given above.

47165. PSYCHOTRIA UNDATA Jacq. Rubiaceæ.

From Littleriver, Fla. Presented by Dr. V. K. Chesnut, Bureau of Chemistry, United States Department of Agriculture. Received February 28, 1919.

"Collected the last half of October, 1918, at Littleriver, Fla., by Prof. Charles T. Simpson." (*Chesnut.*)

For experimentation with other nitrogen-gathering rubiaceous plants at the Miami Plant Introduction Field Station, Miami, Fla. For a discussion of nitrogen-gathering bacteria in Rubiaceæ see note under *Pavetta zimmermanniana*, S. P. I. No. 45554.

47166 to 47172. SACCHARUM OFFICINARUM L. Poaceæ.

Sugar cane.

From Santiago de las Vegas, Cuba. Presented by Dr. Mario Calvino, director, Estacion Experimental Agronomica. Received February 28, 1919.

"The following seeds came from Cuba." (*Calvino.*)

47166. *Cuba 903.*

47167. *Cuba 904.*

"The following seeds were sent to us from Barbados." (*Calvino.*)

47168. *Ba. 6032.*

47171. *Ba. 7924.*

47169. *B. 6308.*

47172. *B. H. 10 (12).*

47170. *B. 7169.*