

"In 1922 the world's production of rubber amounted to 379,200 tons, of which 354,980 tons, or 93 per cent of the world's output, came from this source.

"In connection with the investigations now being undertaken by the department for the development of the rubber industry in the Western Hemisphere, this important plant will receive the attention it deserves with a view to establishing plantations in Porto Rico and other tropical dependencies of the United States." (*Alfred Keys*.)

57944 to 58012.

From Kashmir, India. Seeds collected by H. V. Harlan, Bureau of Plant Industry. Received August 28 and September 6, 1923. Quoted notes by Doctor Harlan.

"(Nos. 205 to 358. Lyallpur. July 16, 1923.) Secured from the botanical section of the Lyallpur Agricultural College. The barleys and wheats are pure lines descendant from single plants."

57944. *CROTALARIA JUNCEA* L. Fabaceæ.
Sunn hemp.

"(No. 237.) Used as a fiber plant and for green manure."

57945. *ERUCA SATIVA* Hill. Brassicaceæ.
Roquette.

"(No. 232.) A cruciferous weed which grows wild in the drier parts of the Punjab. Sixty thousand tons of seeds are collected annually for the extraction of oil."

57946 to 57965. *HORDEUM* spp. Poaceæ.

57946 to 57948. *HORDEUM VULGARE COELESTE* L.
Six-rowed barley.

57946. "(No. 146. June 15, 1923.) Head selections made in a field near Sumbal. Probably fall seeded."

57947. "(No. 167. June 24, 1923.) From the highest terraces on the west side of the Sind Valley. Altitude between 6,500 and 6,700 feet. Only the upper terraces were planted to this variety."

57948. "(No. 216.) *Gujar Khan*."

57949 to 57963. *HORDEUM VULGARE FALLIDUM* Seringe.
Six-rowed barley.

57949. "(No. 145. June 15, 1923.) Head selections made near Sumbal."

57950. "(No. 147. June 14, 1923.) Spikes selected in a field in Samwar near Srinagar."

57951. "(No. 168. Mountain side, Sind Valley. June 24, 1923.) Barley grown at a slightly lower altitude than No. 167 [S. P. I. No. 57947]."

57952. "(No. 183. June 24, 1923.) Barley from a bench on the south side of the Sind Valley."

57953. "(No. 205.) *Rewari*. Originally from Rewari."

57954. "(No. 206.) *Lyallpur*. This is the standard or check variety used in the tests at Lyallpur."

57955. "(No. 207.) *Mianwali*. From a town of that name."

57956. "(No. 208.) *Multan*. From a town of that name."

57957. "(No. 209.) *Giyarkhan*. Originally from a nonirrigated district near Rawalpindi."

57958. "(No. 210.) *Hoshiarpur*. From a non-irrigated area."

57959. "(No. 211.) *Lyallpur*. A new selection of dense 6-rowed barley."

57960. "(No. 212.) *Ludhiana*"

57944 to 58012—Continued.

57961. "(No. 213.) *Baluchistan*. From near Quetta."

57962. "(No. 214.) *Nushera*. A good brewing barley."

57963. "(No. 215.) *Gujrat*. From a district of that name in the Punjab."

57964. *HORDEUM DISTICHON NUDUM* L.
Naked barley.

"(No. 217.) *Black* barley from Lyallpur. Two-rowed naked purple."

57965. *HORDEUM VULGARE COELESTE* L.
Six-rowed barley.

"(No. 218.) *Kulu*. A short-awned naked barley from the Kangro Valley."

57966. *LATHYRUS SATIVUS* L. Fabaceæ.
Bittervetch.

"(No. 236.) Found wild and under cultivation."

57967. *LOTUS CORNICULATUS* L. Fabaceæ.

"(No. 162. Raipur. June 18, 1923.) A yellow-flowered low-growing legume growing spontaneously in an orchard."

57968 to 57976. *MEDICAGO* spp. Fabaceæ.

57968. *MEDICAGO HISPIDA APICULATA* (Willd.) Urban.
Bur clover.

"(No. 233.) This legume grows wild in many places in the Punjab. Once established it comes up as a secondary growth in wheat."

57969 and 57970. *MEDICAGO LUPULINA* L.
Black medick.

57969. "(No. 149. June 15, 1923.) A low-growing legume from the orchard in the old garden of Lalla Rukh at Manarbal, Kashmir. Not cultivated."

57970. "(Nos. 188 to 190. Votler. June 26, 1923.) This is a form with branches 4 to 5 feet long."

57971 to 57976. *MEDICAGO SATIVA* L. Alfalfa.

57971 and 57972. "(Nos. 169 and 170. Nacimbagh. June 23, 1923.) Alfalfa was found growing in nonirrigated wheat fields where it had never been seeded as far as the peasants knew. I have seen no cultivated alfalfa in Kashmir. Both samples are immature, but some seed may grow. They were the ripest obtainable. Altitude 5,400 feet, rainfall 20 inches, winter mild."

57971. No. 169. 57972. No. 170.

57973. "(No. 195. Aishmakan. July 1, 1923.) Seeds of several plants found growing in a wheat field. No cultivated alfalfa in this region."

57974. "(No. 196. Aishmakan. July 1, 1923.) Seeds of a different type, later than No. 195 [S. P. I. No. 57973]."

57975. "(No. 197. Aishmakan. July 1, 1923.) Seeds of a single plant later than Nos. 195 and 196 [S. P. I. Nos. 57973 and 57974]. Probably too immature to grow."

57976. "(No. 235.) A local strain."

57977. *MELILOTUS ALBA* Desr. Fabaceæ.
White sweetclover.

"(No. 187. Votler. June 26, 1923.) This seed is immature and may not germinate, but it was the largest on the plants. This is the white-flowered tall sort."

57978. *MELILOTUS INDICA* (L.) All. Fabaceæ.
Sweetclover.

"(No. 238.) Occurs as a weed in many places in the Punjab."