UNITED STATES DEPARTMENT OF AGRICU



INVENTORY No. 92





Washington, D. C.

Issued October, 1929

PLANT MATERIAL INTRODUCED BY THE OFFICE OF FOREIGN PLANT INTRODUCTION, BUREAU OF PLANT INDUSTRY, JULY 1 TO SEPTEM-BER 30, 1927 (NOS. 74213 TO 75126)

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INTRODUCTORY STATEMENT

In August, 1927, one of the months included in the period covered by this inventory, an interesting collection of subtropical vegetables (Nos. 74554 to 74572) was received from the Province of Kwangtung, southeastern China, as the result of the activities of F. A. McClure, agricultural explorer. These locally developed varieties of vegetables will be tested chiefly in the Southern States, to which region they are probably best adapted.

Fourteen species and varieties of cotton (Gossypium spp., Nos. 74447 to 74459, 74660) were presented by the Royal Botanic Garden at Sibpur, near Calcutta, India. Also two native varieties of cotton (Gossypium spp., Nos. 74242, 74243) from Colombia were presented by Stanley F. Morse, of Cali, Colombia. These

will be of interest to cotton breeders.

An unusual number of wheat introductions are featured in this inventory. From the College of Agriculture and Forestry at Nanking, China, four lots of local varieties were received (Triticum spp., Nos. 74248 to 74399, 74480 to 74485, 74708 to 74779, 74786 to 75126). The Institute of Applied Botany and New Cultures, Moscow, Russia, also sent in an interesting collection (Triticum spp., Nos. 74489 to 74502).

Dr. Augustine Henry, of the College of Science for Ireland, Dublin, sent in seeds of an interesting lot of ornamentals which he had collected in the French Alps (Nos. 74681 to 74690, 74703). Included in this shipment were dwarf shrubs as well as herbaceous plants.

The botanical determinations of these introductions have been made and the nomenclature determined by H. C. Skeels, and the descriptive matter has been prepared under the direction of Paul Russell, who has had general supervision of this inventory.

> KNOWLES A. RYERSON, Principal Horticulturist, in Charge.

OFFICE OF FOREIGN PLANT INTRODUCTION, Washington, D. C., April 17, 1929.

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INVENTORY

74213. TERMINALIA SAFFORDII Merr. Combretaceae.

From the island of Guam. Seeds presented by C. W. Edwards, director, Guam Agricultural Experiment Station. Received August 11, 1927.

A tropical ornamental tree with broadly oval leaves and axillary racemes of small oblong fruits. Native to Guam.

74214 and 74215.

From Sumatra. Seeds collected by H. H. Bartlett, University of Michigan, Ann Arbor, Mich. Received August 12, 1927.

74214. Cyperus sp. Cyperaceae.

No. 8214. Galamaija. Seeds collected between Djoema Tombak and Aek Na Gerger. A tall soft stemmed at Aek Na A tall, soft-stemmed species used for making mats and bags. It grows wild in the little swamps, and where it occurs naturally it is increased by cutting up the clumps and tucking the divisions into new places.

74215. JATROPHA CURCAS L. Euphorbiaceae.

No. 8213. Doelang patila. Seeds collected between Djoema Tombak and Aek Na Gerger. A poisonous plant 5 or 6 feet high, used as a hedge plant and ornamental by the natives.

For previous introduction see No. No. 68966.

74216. Bambusa sp. Poaceae. Bamboo.

From Debra Dun, United Provinces, India. Seeds presented by R. N. Parker, forest botanist, Forest Research Institute and College. Received August 15, 1927.

A tall bamboo, native to India, which is said to resemble Bambusa tulda.

74217. MERCURIALIS ANNUA L. Euphorbiaceae.

From Paris, France. Seeds presented by Prof. D. Bois, Paris Museum of Natural History. Received August 15, 1927.

An erect European annual which bears seeds said to contain a high percentage of drying oil.

74218 and 74219. MACADAMIA TERNI-FOLIA F. Muell. Proteaceae.

Macadamia

From Sydney, Australia. Seeds purchased from Anderson & Co. Received August 11, 1927.

Evergreen trees up to 50 feet in height, which are cultivated for their edible nuts.

74218. A thin-shelled variety.

74219. A medium-shelled variety.

74220. Litchi chinensis Sonner. Sapindaceae. Lychee.

From Tela, Honduras. Plants presented by Dr. Wilson Popenoe, United Fruit Co. Received September 29, 1927.

Seedling plants procured for further experimental testing in southern Florida.

For previous introduction see No. 51472.

74221. LILIUM TIGRINUM Ker. Liliaceae. Tiger lily.

From Yaomin, Manchuria. Bulblets collected by P. H. Dorsett, agricultural explorer, Bureau of Plant Industry. Received Septymber 22, 1925. Numbered September, 1927.

No. 4004. August 14, 1925. Aerial bulblets from leaf axils of plants 4 feet high. These plants have from three to eight or more good flowers and leaf-axil bulblets.

74222. Quercus myrsinaefolia Blume. Fagaceae.

ees growing at the Barbour Lathrop Plant Introduction Garden, Savannah, Ga. Numbered September, 1927.

Bell No. 1232. A handsome evergreen Japanese oak 30 to 40 feet high, with lanceolate-serrate leaves 3 to 5 inches long, smooth and shining above and covered with a whitish bloom underneath. The ovoid acorns, nearly an inch long and one-third covered by the smooth cup, are borne in short spikes.

Tt should be understood that the names of horticultural varieties of fruits, vegetables, cereals, and other plants used in this inventory are those under which the material was received when introduced by the Office of Foreign Plant Introduction, and, further, that the printing of such names here does not constitute their official publication and adoption in this country. As the different varieties are studied, their entrance into the American trade forecast, and the use of varietal names for them in American literature becomes necessary, the foreign varietal designations appearing in this inventory will be subject to change with a view to bringing the forms of the names into harmony with recognized horticultural nomenclature.

It is a well-known fact that botanical descriptions, both technical and economic, seldentification from the seeds alone. Many of the unusual plants listed in these inventories are appearing in this country for the first time, and there are no seed samples or herbarium specimens with ripe seeds with which the new arrivals may be compared. The only identification possible is to see that the sample received resembles seeds of other species of the same genus or of related genera. The responsibility for the identifications therefore must necessarily often rest with the person sending the material. If there is any question regarding the correctness of the identification of any plant received from this office, herbarium specimens of leaves and flowers should be sent in so that definite identification can be made.

be made.

74223. CITRUS GRANDIS (L.) Osbeck (C. decumana Murr.). Rutaceae. Grapefruit.

From Gujranwala, Punjab, India. Seeds presented by H. S. Nesbitt, American Mission. Received September 6, 1927.

A variety called chagodra or pummelo in this region. The fruits are considerably larger than those of the American variety. The skin of light pulp is about an inch thick, and the reddish pink flesh has a fine flavor. (Note by Mr. Nesbitt in letter of December 1, 1926.)

74224. Plukenetia conophora Muell.-Arg. Euphorbiaceae.

rom Victoria, Cameroon, West Africa. Seeds presented by T. S. Maitland, Super-intendent, Botanic Gardens. Received August 31, 1927. From

A tropical African creeping plant with thin-shelled nuts containing kernels which yield an oil used for cooking and other purposes.

74225. Vallaris heynei Spreng. Apocynaceae.

From Allahabad, India. Seeds presented by W. B. Hayes, Allahabad Agricultural Institute. Received August 31, 1927.

A climbing shrub with fragrant white flowers three-fourths of an inch wide, often cultivated as an ornamental in India, where it is native. It has milky juice, which is used medicinally and is also a possible source of rubber.

For previous introduction see No. 58594.

74226 to 74228.

From Sumatra. Seeds collected by H. H. Bartlett, University of Michigan, Ann Arbor, Mich. Received September 6, Arbor,

74226. ALEURITES MOLUCCANA (L.) Willd. (A. triloba Forst.). Euphorbiaceae. Lumbang.

No. 8743. Boewa keras, Boewa kemiri. From Silo Maradja, Asahan. A tropical spreading tree native to the East Indies and closely related to the tung-oil tree. The oil may be used in making varnishes.

previous introduction see No. 67535.

74227. CALAMUS sp. Phoenicaceae. Palm.

No. 8740. Rotan. From Silo Maradja, Asahan. A climbing spiny tropical palm.

74228. PINANGA sp. Phoenicaceae.

From Deleng Koetoc, Karoland. A small, spineless ornamental tropical palm with a canelike habit.

74229. Dendrocalamus membranaceus Munro. Poaceae. Bamboo.

From Dehra Dun, India. Seeds presented by R. N. Parker, forest botanist, Forest Research Institute and College. Received September 7, 1927.

A bamboo native to eastern India, probably becoming very tall, with comparatively small leaves.

For previous introduction see No. 64810.

74230 to 74234.

From Calaroa, Colombia. Seeds presented by Eduardo Hernandez, Director de Agricultura y Estadística Municipal. Received September 7, 1927.

74230. Annona Cherimola Mill. naceae Cherimoya.

Locally grown seeds.

74231. BAUHINIA Sp. Caesalpiniaceae.

Japón. An attractive subtropical tree useful as a shade tree.

74232. Juglandaceae. Walnut.

Cedro. A subtropical timber tree with edible nuts.

74233. OCHROMA LAGOPUS Swartz. Bombacaceae. Balsa wood.

A rapid-growing tropical tree. The very light wood is useful in insulation and for life preservers.

74234. ROLLINIA MUCOSA (Jacq.) Baill. Annonaceae.

Guanabano. A small-fruited subtropical tree which is a close relative to the cherimoya. The flavor of the fruit is inferior to that of the custard apple.

74235. Cajanus indicus Spreng. Fabaceae. Pigeon pea.

From Belgian Congo, Africa. Seeds obtained through Rev. Emory Ross, Disciples of Christ Congo Mission, Bolenge, Coquilhatville. Received September 2, Coquilhatville.

Locally grown seeds from the southern part of Belgian Congo, about 100 miles from the Atlantic coast.

74236. Cornus nuttallii Audub. Cornaceae.

From Seattle, Wash. Cuttings presented by A. W. Sandholm. Received September 16, 1927.

A variegated-leaved form of the western flowering dogwood. The colored bracts are usually six, tinged with, pink, and often 3

74237. ATALANTIA CITROIDES Pierre. Rutaceae

From Santiago de las Vegas, Cuba, Seeds presented by Dr. Gonzalo M. Fortun, Di-rector, Estación Experimental Agronó-mica, through W. T. Swingle, Bureau of Plant Industry. Received September 6, 1927.

A small, tropical, usually spiny tree which is of possible use as citrus stock. It is a native of Indo-China. The orangelike fruits are three-fourths of an inch in diameter.

74238. Oreodoxa sp. Phoenicaceae. Palm.

From Summit, Canal Zone. Seeds presented by J. E. Higgins, Plant Introduction Garden. Received September 8, 1927.

A tall, slender, erect palm 40 to 50 feet high, with a smooth, straight, cylindrical stem and copper-red pinnate leaves 8 to 10-feet long. The hard, black wood is extensively used by the natives for construction. This palm is native to the Atlantic side of the Isthmus of Panama.

74239. MERCURIALIS ANNUA L. Euphorbiaceae.

From Montevideo, Uruguay. Seeds presented by Nicolas Lombardo, Director. Botanic Garden. Received September 15, 1927

For previous introduction and description see No. 74217.

74240. PENNISETUM CLANDESTINUM Kikuyu grass. Hochst. Poaceae.

From Nairobi, Kenya Colony, Africa. Seeds presented by W. Lyne Watt, assistant agricultural officer, Scott Agricultural Laboratories. Received September 13, 1927.

A rapid-growing perennial stoloniferous grass, native to South Africa, where it is considered a valuable drought-resistant summer pasture grass.

For previous introduction see No. 48818.

74241 to 74246.

From Cali, Colombia. Stanley F. Morse. 27, 1927. Seeds presented by Received September

74241. ERIOCHLOA POLYSTACHYA H. B. K. Poaceae. Carib grass.

Janeiro. A grass similar to Para grass, but which makes a thicker mat and smothers weeds better.

74242. Gossypium sp. Malvaceae. Cotton.

From El Carmen, Cauca Valley. cotton growing in red clay soil with little humus.

74243. Gossypium sp. Malvaceae.

Cotton.

74244. MELINIS MINUTIFLORA Beauv. Molasses grass. aceae.

Gordura. A hardy grass with a great range of climatic and soil tolerance, growing well under very dry or very wet conditions. It grows from sea level to over 5,000 feet altitude.

previous introduction see No. 56484.

74245. PHASEOLUS VULGARIS L. Fabaceae. Common bean.

Huesito, Blanquillo. A bush variety 18 inches high, which is a soft, well-flavored bean. It stands hot weather conditions and may thrive in the South as a rotation crop for cotton. This variety is also used as a sone hear used as a snap bean.

74246. (Undetermined.)

Chonta. From Santa Maria, Colombia. A palm growing at altitudes between 3,000 and 5,000 feet. It is used for house rafters.

74247 to 74399.

From Nanking, China. Seeds obtained from the College of Agriculture and Forestry, University of Nanking. Received Sep-tember 12, 1927.

Local varieties.

74247. HORDEUM VULGARE COELESTE L. Poaceae. Six-rowed barley. Poaceae.

74248 to 74399. TRITICUM ABSTIVUM L. (T. vulgare Vill.). Poaceae. Common wheat. 74247 to 74399—Continued.

74248, No. 2.

74249. No. 8.

74250. No. 16.

74251. No. 27.

74252. No. 35.

74253. No. 48.

74254. No. 53.

74255. No. 56.

74256. No. 62.

74257. No. 77.

74258. No. 84.

74259. No. 92.

74260. No. 96.

74261. No. 104.

74262. No. 126.

74263. No. 128.

74264. No. 158.

74265. No. 166.

74266. No. 169. 74267. No. 174.

74268. No. 184.

74269. No. 188.

74270. No. 195.

74271. No. 206.

74272. No. 228. 74273. No. 238.

74274. No. 249.

74275. No. 251.

74276. No. 252.

74277. No. 258.

74278. No. 262.

74279. No. 289.

74280. No. 291.

74281. No. 299. 74282. No. 302.

74283. No. 317.

74284. No. 333.

74285. No. 341.

74286. No. 346.

74287. No. 348.

74288. No. 369.

74289. No. 366.

74290. No. 385.

74291. No. 389.

74292. No. 391.

74293. No. 403.

74294. No. 413.

74295. No. 427.

74296. No. 436.

74297. No. 441.

74298. No. 492.

74299. No. 495.

74247 to 74399—Continued. 74300. No. 505. 74301. No. 515. 74302. No. 519. 74303. No. 521. 74304. No. 532. 74305. No. 533. 74306. No. 542. 74307. No. 546. 74308. No. 554. 74309. No. 569. 74310. No. 572. 74311. No. 576. 74312. No. 587. 74313. No. 591. 74314. No. 588. 74315. No. 602. 74316. No. 623. 74317. No. 631. 74318. No. 647. 74319. No. 653. 74320. No. 656. 74321. No. 661. 74322. No. 676. 74323. No. 719. 74324. No. 721. 74325. No. 733. 74326. No. 771. 74327. No. 781. 74328. No. 794. 74329. No. 811. 74330. No. 826. 74331. No. 828. 74332. No. 836. 74333. No. 837. 74334. No. 837-a. 74335. No. 839. 74336. No. 841. 74337. No. 857. 74338. No. 866. 74339. No. 873. 74340. No. 898. 74341. No. 929. 74342. No. 959. 74343. No. 967. 74344. No. 978. 74345. No. 981. 74346. No. 985. 74347. No. 1041. 74348. No. 1065. 74349. No. 1079. 74350. No. 1102. 74351. No. 1124. 74352. No. 1128.

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74353. No. 1132.
    74354. No. 1166.
    74355. No. 1178.
    74356. No. 1187.
    74357. No. 1191.
    74358. No. 1196.
    74359. No. 1201.
    74360. No. 1202.
    74361. No. 1205.
    74362. No. 1238.
    74363. No. 1251.
    74364. No. 1255.
    74365. No. 1266.
    74366. No. 1269.
    74367. No. 1275.
    74368. No. 1279.
    74369. No. 1285.
    74370. No. 1286.
    74371. No. 1289.
    74372. No. 1299.
    74373. No. 1308.
    74374. No. 1312.
    74375. No. 1318.
    74376. No. 1326.
    74377. No. 1328.
    74378. No. 1332.
    74379. No. 1337.
    74380. No. 1341.
    74381. No. 1344.
    74382. No. 1349.
    74383. No. 1357.
    74384. No. 1361.
    74385. No. 1365.
    74386. No. 1412.
    74387. No. 1421.
    74388. No. 1425.
    74389. No. 1436.
    74390. No. 1447.
    74391. No. 1467.
    74392. No. 1473.
    74393. No. 1491.
    74394. No. 1499.
    74395. No. 1501.
    74396. No. 1505.
    74397. No. 1531.
    74398. No. 1549.
    74399. No. 1563.
74400 and 74401. DATURA spp.
  naceae.
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rom Brisbane, Queensland, Australia. Seeds presented by C. T. White, Government botanist, botanic gardens. Received July 1, 1927.

74247 to 74399—Continued.

74400 and 74401-Continued.

74400. DATURA FEROX L.

A coarse annual herb, 3 feet high, with white flowers, native to China. It is of possible medicinal value.

74401. DATURA LEICHHARDTII F. Muell.

A tall coarse herb with irregularly toothed oval leaves 3 to 4 inches long, yellowish white flowers about 3 inches long, and very prickly globular capsules about an inch in diameter. The plant is native to northern Australia. It is of possible medicinal value.

For previous introduction see No. 55622.

74402 to 74404.

From Baghdad, Iraq. Seeds presented by F. K. Jackson, Officiating Inspector Gen-etal of Agriculture. Received July 1, 1927.

74402. LATHYRUS SATIVUS L. Fabaceae.
Bitter vetch. Fabaceae.

Iraq vetch. From the Central Experiment Station at Rustam.

74403 and 74404. VIGNA SINENSIS ner) Savi. Fabaceae.

From the Central Experiment Station at Rustam.

74403. A red variety.

74404. A white variety.

74405. Cajanus indicus Spreng. Fa-Pigeon pea.

om Montserrat, British West Indies. Seeds presented by C. A. Gomez, Curator, Grove Botanic Garden. Received July 2, From

Early Asher. A locally grown variety.

74406 and 74407. CAJANUS INDICUS Spreng. Fabaceae. Pigeon pea.

From Port of Spain, Trinidad, British West Indies. Seeds presented by W. G. Free-man, Director, Department of Agricul-ture. Received July 5, 1927.

Locally grown varieties.

74406. Hawaii. 74407. Trinidad.

74408. CROTALARIA JUNCEA L. Faba-Sunn hemp.

From Mayaguez, Porto Rico. Seeds pur-chased from Dr. D. W. May, Agricultural Experiment Station. Received July 7,

Porto Rican grown seeds.

74409, CARICA PAPAYA L. Papayaceae.

From Summit, Canal Zone. Seeds presented by J. E. Higgins, Plant Introduction Garden. Received July 7, 1927.

A selected cylindrical type of papaya grown in the Canal Zone.

For previous introduction see No. 73065.

74410 and 74411. CAJANUS INDICUS Spreng. Fabaceae. Pigeon pea.

From Manila, Philippine Islands, Seeds presented by S. Youngberg, Director, Bu-reau of Agriculture. Received July 7, Seeds

74410 and 74411—Continued.

Locally grown varieties.

74410. Ordinary. 74411. Pinogo.

74412. DANTHONIA SEMIANNULARIS (Labill.) R. Br. Poaceae. Grass.

From Sydney, New South Wales, Australia. Seeds purchased from Arthur Yates & Co. Received July 8, 1927.

A perennial tufted grass, producing a fair amount of soft succulent fodder suitable for either sheep or cattle. The leaves are narrow, usually hairy, and light green. The flower stems grow about 2 feet high, and the seed, which sheds easily, is produced in clusters that have a white woolly appearance when ripe. Wallaby grass provides good pasturage during the spring and summer and remains green in the winter months. months.

For previous introduction see No. 59361.

74413. Bambusa tulda Roxb. Poaceae.

From Dehra Dun, United Provinces, India. Seeds presented by R. N. Parker, forest botanist, Forest Research Institute and College. Received July 8, 1927.

One of the most promising species introduced, though it does not stand much frost. The culms are green and smooth and under good conditions may reach a height of 60 to 70 feet and a diameter of 2 to 5 inches. They are nearly solid and extremely tough and strong. The culms split easily and therefore lend themselves to many uses. The plant is quite leafy and proves a beautiful ornamental with its graceful leaning stems and tropical frondage. Native to Bengal, India. One of the most promising species intro-

For previous introduction see No. 67507.

74414. CEIBA PENTANDRA (L.) Gaertn. (Eriodendron anfractuosum DC.). Kapok. Bombaceae

om Surabaya, Java. Seeds obtained through W. S. Fields. Federal Horticul-tural Board. Received July 5, 1927.

A tall tropical American tree. The pods contain down which is used for stuffing mattresses, etc.

For previous introduction see No. 73840.

74415 to 74421.

From Leningrad, Russia. Seeds presented by A. Kol, chief, bureau of introduction, Institute of Applied Botany and New Cultures. Received July 6, 1927.

74415. Brassica sp. Brassicaceae.

Material received as a round, white, red-topped turnip.

74416 to 74421. DATURA STRAMONIUM L. Solanaceae.

Locally grown seeds of jimson weeds from Russia.

74416. No. 1. From the Mohilev Government.

74417. No. 2. From the botanic garden, Kharkof.

74418. No. 3. From the Nikitsky Bo-tanic Garden, Yalta, Crimea.

74419. No. 4. From Lubny.

74420. No. 5. From Volynia.

74415 to 74421—Continued.

74421. No. 6. From the botanic garden, Tashkent, Turkestan.

74422 to 74424.

rom Richmond, Victoria, Australia. Seeds presented by F. H. Baker. Re-ceived July 6, 1927. Australia. From

74422. ACACIA DECURRENS Willd. saceae. Green wattle.

A handsome Australian tree with lightgreen foliage and bright-yellow flowers.

previous introduction see No. 67946.

74423. ACACIA DISCOLOR Willd. Mimosaceae.

A tall, unarmed shrub or small tree, native to southeastern Australia and Tasmania, which bears, in autumn, terminal and axillary clusters of yellow flowers.

For previous introduction see No. 67947.

(Curtis) 74424. CALLISTEMON CITRINUS Skeels (C. lanceolatus DC.) Myrta Lemon bottlebrush.

An ornamental red-flowered shrub with rigid branches. Native to Australia.

74425. CORYPHA ELATA Roxb. Phoeni-Palm. caceae.

From Manila, Philippine Islands. Seeds presented by S. Youngberg, Director, Bureau of Agriculture. Received July 7,

A tall Philippine palm up to 60 feet high, with spiny stems and fan-shaped leaves.

For previous introduction see No. 35689.

74426. Figure CRASSIUSCULA Warb. Moraceae.

om Summit, Canal Zone. Seeds pre-sented by J. E. Higgins, Plant Introduc-tion Garden. Received July 6, 1927. From

A large Central American tree with a rounded crown, dark-green leathery, oblongoval leaves up to 20 centimeters long, and pink fruits about 2 centimeters in diameter.

74427 to 74430. PRUNUS spp. Amyg-

From Jamaica Plain, Mass. Cuttings pre-sented by E. H. Wilson, Arnold Ar-boretum. Received July 11, 1927.

74427. PRUNUS CERASUS L. Sour cherry. Variety Rhexii. A weeping variety.

74428. PRUNUS INCISA Thunb.

Mame cherry.

An ornamental Japanese cherry which is described (Arnold Arboretum Bulletin of Popular Information, vol. 8, no. 3) as a large shrub, or sometimes a small tree, about 25 feet high. The flowers, which appear in drooping clusters before the deeply cut leaves, are white or rosy, with bright-red calyxes and bright-yellow anthers. The petals fall early, but the calyxes, which gradually grow brighter, remain on the young fruits for some time and are quite showy.

For previous introduction see No. 64669.

74427 to 74430—Continued.

74429. PRUNUS MEYERI Rehder.

74429. PRUNUS MEXERI Rehder.

In 1906 Frank N. Meyer, while carrying on agricultural explorations in northern Chosen, collected seeds of a small wild cherry (No. 20084), which, according to his note, was of handsome appearance and suited for growing in parks. At the Arnold Arboretum a tree grown from one of these seeds was described as new by Alfred Rehder (Journal of the Arnold Arboretum, vol. 2, no. 2, p. 123) and named for Mr. Meyer. Doctor Rehder states that this appears to be a hybrid between Prunus maackii and P. maximudiczii, since it has characters intermediate between these two species. The tree is about 20 feet high, of vigorous growth, with a dense pyramidal habit and pleasing bright-green foliage. The small white flowers are in dense racemes.

For previous introduction see No. 68949.

74430. PRUNUS SERRULATA SACHALINENSIS (Schmidt) Mak. Sargent cherry.

A hardy vigorous Japanese wild cherry with single pink flowers. The tree is tall and very attractive.

74431. Figure sp. Moraceae.

Plants growing at the Chapman Field Garden, Coconut Grove, Fla. Numbered July, 1927. Numbered

An undetermined species to be grown for identification.

74432. Oryza sativa L. Poaceae. Rice.

From Canton, China. Seeds presented by L. A. Whitney, Honolulu, Hawaii, through E. R. Sasscer, Federal Horticultural Board. Received July 8, 1927.

 $Nyn\ jim\ (sharp\ silver)$. A superior variety of Chinese rice which is said to be resistant to the blast disease.

74438. CAJANUS INDICUS 74433 to Spreng. Fabaceae. Pigeon pea.

om Poona, Bombay, India. Seeds pre-sented by Prof. G. B. Patwardhan, agri-cultural economic botanist, Bombay Agri-cultural Department. Received July 13,

Locally developed strains.

74436. No. 4. 74433. No. 1.

74434. No. 2. 74437. No. 5.

74435. No. 3. 74438. No. 6.

74439 to 74441. AVENA SATIVA L. Po-Oats.

From Carignan, Ardennes, France. Seeds presented by Denaiffe & Fils. Received July 11, 1927.

French winter-oat varieties.

74439. A black variety.

74440. A gray variety.

74441. A white variety.

74442. CITRUS SINENSIS (L.) Osbeck. Rutaceae. Sweet orange.

74442—Continued.

From Soledad, Clenfuegos, Cuba. Cuttings presented by Robert M. Grey, superintendent of the biological laboratory and botanic garden of the Institute for Tropical Biology and Medicine of Harvard University. Received July 18, 1927.

Harvard No. 2. A locally grown variety.

74443. Gossypium arboreum L. Malvaceae. Cotton.

From Sibpur, near Calcutta, India. Seeds presented by C. C. Calder, Superintendent, Royal Botanic Garden, through T. H. Kearney, Bureau of Plant Industry. Received July 5, 1927.

Locally grown seeds.

For previous introduction see No. 73125.

74444. ACHRAS ZAPOTA L. Sapotaceae. Sapodilla.

From Bathurst, Gambia, West Africa. Seeds presented by James Howie. Received July 18, 1927.

A small tropical American tree with dark-green, leathery leaves, and roundish fruits about 3 inches in diameter; these have thin skin and pale-brown soft juicy sweet pulp.

For previous introduction see No. 50466.

74445 and 74446.

From Paris, France. Seeds presented by Maurice Jeanson. Received July 15, 1927.

74445. CARISSA EDULIS Vahl. Apocynaceae.

A tropical African shrub, producing small purple edible fruits, which is said to endure some frost.

74446. MUSA sp. Musaceae.

An Abyssinian wild banana with edible roots, which is said to endure slight frost.

74447 to 74459. Gossypium spp. Malvaceae. Cotton.

From Sibpur, near Calcutta, India. Seeds presented by C. C. Calder, Superintendent, Royal Botanic Garden, through T. H. Kearney, Bureau of Plant Industry. Received July, 1927.

74447. Gossypium arboreum L.

A red variety.

74448. Gossypium intermedium Todaro.

A yellow variety.

74449 to 74453. Gossypium neglectum Todaro.

74449. No. 2. Variety vera.

74450. No. 3. Variety vera. Subvariety malvensis.

74451. No. 4. Variety vera. Subvariety kathiawarensis.

74452. No. 5. Variety rosea.

74453. No. 6. Variety rosea. Subvariety cutchica.

74454 to 74457. Gossypium obtusifolium Roxb.

74454. No. 1. Variety sindica.

74447 to 74459—Continued.

74455. No. 7. Nadam.

74456. No. 8. Variety coconada.

74457. No. 11. Rozi.

74458 and 74459. Gossypium sanguindum Hassk.

74458. No. 9. Major.

74459. No. 10. Major.

74460 to 74469.

From Konjeni Siding, Luchenza, Nyasaland Protectorate, Africa. Seeds presented by L. S. Norman. Received July 18, 1927.

74460. Andropogon schirensis Hochst. Poaceae. Grass.

A tall erect perennial grass 3 to 10 feet high, densely tufted, with very narrow leaves. Native to tropical Africa.

74461. CHAETOCHLOA sp. Poaceae. Grass.
A tropical African grass.

74462. CLEISTACHNE SORGHOIDES Benth. Poaceae. Grass.

A coarse tropical annual grass up to 9 feet high, sparingly branched, with long flat leaves. Native to tropical Africa.

74463. Eragrostis Ciliaris (L.) Link. Poaceae. Grass.

An annual tufted grass up to 2 feet high, growing on sandy soil. It is said to afford good grazing in India.

74464. PANICUM MAXIMUM Jacq. Poaceae. Grass.

An erect perennial bunch grass 4 to 6 feet high, with open spreading panicles of spikelets. It is a native of Africa, introduced into tropical America, where it is cultivated for forage, furnishing pasture and green food.

For previous introduction see No. 56284.

74465. PASPALUM SCROBICULATUM L. Poaceae. Grass.

An erect annual grass, averaging 2 feet in height, native to India, where it is also extensively cultivated for the edible grain. The grain is poisonous, however, unless kept for a number of years. Cattle are fond of the grass when it is young; at the time of ripening it is poisonous to stock.

For previous introduction see No. 56789.

74466. PENNISETUM PURPUREUM Schumach. Poaceae. Napier grass.

A variety growing under dry-land conditions.

For previous introduction see No. 54513.

74467. PENNISETUM SETOSUM L. Rich. Poaceae. Grass.

A robust perennial grass 2 to 4 feet high, distributed throughout the Tropics of both hemispheres, and often used for forage.

For previous introduction see No. 3

74460 to 74469—Continued.

74468. RYTILIX GRANULARIS (L.) Skeels. Grass. Poaceae.

An erect annual grass 1 to 2 feet high, with softly hairy flaccid leaves. Native to tropical India.

For previous introduction see No. 47783.

74469. SPOROBOLUS Sp. Poaceae. Grass.

A tropical African grass. 74470. STURTIA GOSSYPIOIDES R. Br.

Malvaceae.

From Adelaide, South Australia. Seeds presented by J. F. Bailey, Director, Botanic Garden. Received July 21, 1927.

A large Australian shrub, with broadly oval, stiff leaves up to 2 inches long, and large purple flowers. It is closely related to cotton (Gossypium spp.).

For previous introduction see No. 72621.

74471 and 74472. PHOENIX DACTYLIFERA L. Phoenicaceae. Date palm.

om Merowe, Dongola, Anglo-Egyptian Sudan, Africa. Offshoots presented through Silas C. Mason, Bureau of Plant Industry. Received July 25, 1927. From

Rare Sudan varieties.

74471. Kumla.

74472. Medina.

'74473. Cajanus indicus Spreng. Fab-Pigeon pea.

From Pretoria, Union of South Africa. Seeds presented by I. B. Pole Evans, Chief, Division of Botany. Received July 25, 1927.

Locally grown seeds from Muhlati, Natal, South Africa.

74474 to 74478.

om Sumatra. Seeds collected by H. H. Bartlett, University of Michigan, Ann Arbor, Mich. Received July 20, 1927. From Sumatra.

74474. CASUARINA SUMATRANA Jungh. Casuarinaceae.

No. 7493. From the Toba trail be-tween Adian Langge, Asahan, and Si Makkoek, Toba. A handsome tropical tree with large cones.

For previous introduction see No. 68021.

74475. PHYTOLACCA sp. Phytolaccaceae.

No. 7006. An ornamental annual, weedy in the uplands, but cultivated by the natives in the lowlands. ornamental annual,

74476. Scirpus sp. Cyperaceae.

No. 7426. Kampong Halado, between Adian Langge and Si Martoloe, Toba. A Sumatran sedge with glabrous 3-angled stems, used by natives for making matting and bags.

74477. Sloanea sp. Elaeocarpaceae.

No. 7386a. A large handsome tropical forest tree with fruits that look like chestnut burs.

74478. Dracaena sp. Liliaceae.

From the Soengei Masihi Forest Reserve, Asahan. Collected by H. S. Yates. An ornamental monocotyledonous tropical tree with long, thickish, glossy mottled leaves and orange-yellow fruits about an inch in dismeter. inch in diameter.

74479. MELILOTUS ALTISSIMA Thuill. Fabaceae.

From Chico, Calif. Seeds obtained from the United States Plant Introduction Garden. Received July 20, 1927.

A perennial Melilotus attaining a height of from 4 to 6 feet and in general growth habits similar to the more common Meli-

74480 to 74485. Triticum Aestivum L. (T. vulgare Vill.). Poaceae.

From Nanking, China. Seeds obtained from the College of Agriculture and Forestry, University of Nanking. Received Sep-tember 12, 1927.

Local varieties.

74480. No. 2451.

74483. No. 2469.

74481. No. 2459.

74484. No. 2479. 74485. No. 2483.

74482. No. 2464.

lower branches.

74486 to 74488. From Dehra Dun, United Provinces, India. Seeds presented by R. N. Parker, forest botanist, Forest Research Institute and College. Received July 26, 1927.

74486. Bambusa arundinacea Retz. Po-aceae. Bamboo. A large Indian bamboo growing in clumps 40 to 60 feet high, with spiny

74487. DENDROCALAMUS HAMILTONII Nees and Arn. Poaceae. Hamilton bamboo.

The common bamboo of the eastern The common bamboo of the eastern Himalayas, where it grows to a height of from 40 to 60 feet, with horizontal branches, and stems 4 to 7 inches in diameter. The foliage is very variable, the broadly lanceolate leaves being 4 to 16 inches long and up to 5 inches wide. The plant is said to flower every year, and the young shoots are boiled and eaten.

For previous introduction see No. 64809.

74488. DENDROCALAMUS MEMBRANACEUS Munro. Poaceae. Bamboo.

For previous introduction and description see No. 74229.

74489 to 74502. Triticum sp. Poaceae.

From Moscow, Russia. Seeds presented by V. Talanoff, Institute of Applied Botany and New Cultures, through C. R. Ball, Bureau of Plant Industry. Received' July 26, 1927.

Locally developed varieties.

74489 to 74499. TRITICUM AESTIVUM L. (T. vulgare Vill.). Common wheat. (T. vulgare Vill.).

74489. No. 062. Lutescens. A spring wheat from the Saratov Experiment Station.

74490. No. 0111. Caesium. A spring wheat from the West Siberian Experiment Station.

74491. No. 0274. Mildurum. A spring wheat from the Odessa Experiment Station.

74492. No. 0321. Mildurum. A spring wheat from the West Siberian Ex-periment Station.

74489 to 74502—Continued.

74493. No. 0604. Albidum. A spring wheat from the Saratov Experiment Station.

74494. No. 0721. Albidum. A spring wheat from the Saratov Experiment Station.

74495. No. 0237. Nostianum. A winter wheat from the Saratov Experiment Station.

74496. No. 0329. Lutescens. A winter wheat from the Saratov Experiment Station.

74497. Cooperatorka. A winter wheat from the Odessa Experiment Station.

74498. Stepniatschka. A winter wheat from the Odessa Experiment Station.

74499. Ukrainka. A winter wheat from the Vironovsk Experiment Station.

74500 to 74502. TRITICUM DURUM Desf.
Durum wheat.

74500. No. 010. Hordeiforme. From the Ekaterinoslav Experiment Station.

74501. No. 069. Melanopus. From the Krasnokut Experiment Station.

74502. No. 0189. Hordeiforme. From the Krasnokut Experiment Station.

74503. PHYTELEPHAS MACROCARPA Ruiz and Pav. Phoenicaceae.

Ivory-nut palm.

From Summit, Canal Zone. Seeds presented by J. E. Higgins, Plant Introduction Garden. Received July 25, 1927.

A tall tropical American palm with a thick rough trunk and foliage resembling that of the coconut palm. The bony fruits are used for making buttons, etc.

For previous introduction see No. 47513.

74504. TRIFOLIUM PRATENSE L. Fabaceae. Red clover.

From Tschechnitz und Kattern, Germany. Seeds obtained from Doctor Kroll, through A. J. Pieters, Bureau of Plant Industry. Received September 15, 1927.

Locally grown seeds.

74505. Mangifera indica L. Anacardiaceae. Mango.

From Eldorado, Sinaloa, Mexico. Seeds presented by Redo & Co. Received July 27, 1927.

Seeds from a tree said to be a Mulgoba seedling. The fruits are of very good quality.

74506. PHYLLOCLADUS RHOMBOIDALIS L. Rich. Taxaceae.

From Hobart, Tasmania. Seeds presented by L. A. Evans, Secretary of Agriculture, Agricultural and Stock Department. Received July 25, 1927.

An ornamental tree, related to the yew, up to 60 feet high, with leafilike branches and minute leaves. Native to Australia.

74507. SCHIZOSTACHYUM LUMAMPAO (Blanco) Merr. Poaceae. Bamboo.

From Manila, Philippine Islands, Seeds presented by Arthur F. Fischer, Director, Bureau of Forestry, Received July 29, 1927. 74507—Continued.

An erect thin-walled bamboo growing in large patches, especially where forests have been burned away, in the Philippine Islands. According to Munro, sticks from this plant are said to be commonly sold in Manila.

74508. TECOMELLA UNDULATA (J. E. Smith) Seem. (*Tecoma undulata* Don). Bignoniaceae.

From Nice, France. Seeds presented by Dr. A. Robertson-Proschowsky. Received July 21, 1927.

A subtropical shrub or small tree with narrow-oblong leaves up to 6 inches long and orange flowers $1\frac{1}{2}$ inches wide produced in small clusters. It is native to western India.

74509. TECOMELLA UNDULATA (J. E. Smith) Seem. (*Tecoma undulata* Don). Bignoniaceae.

From Dehra Dun, United Provinces, India. Seeds presented by R. N. Parker, forest botanist, Forest Research Institute and College. Received July 25, 1927.

For previous introduction and description see No. 74508.

74510. PRUNUS CAPULI CAV. Amygdalaceae. Capulin.

From Zacuapam, Huatusco, Vera Cruz, Mexico. Seeds presented by Dr. C. A. Purpus. Received July 21, 1927.

Seeds collected in Vera Cruz, at an altitude of 2,000 meters.

74511. CLEMATIS ARMANDI Franch. Ranunculaceae. Armand clematis.

From Ventimiglia, Italy. Seeds presented by S. W. McLeod Braggins, superintendent, La Mortola. Received July 29, 1927.

A fragrant white-flowered species which is characterized by the abundance and the persistence of its foliage. Native to Hupeh Province, China.

For previous introduction see No. 63392.

74512 to 74515.

From Montevideo, Uruguay. Seeds presented by Nicolas Lombardo, Director, Botanic Garden. Received August 1, 1927.

74512. Anthephora Hermaphrodita (L.) Kuntze. Poaceae. Grass.

A leafy ascending or decumbent branching annual grass with thin flat blades. A common weed in the lowiands of tropical America.

74513. CHLORIS CARIBAEA Spreng. Poaceae. Grass.

An annual, erect, leafy grass, native to the West Indies, with linear, flat leaves about a foot high.

For previous introduction see No. 62040.

74514. CHLORIS CILIATA Swartz. Poaceae.

A perennial grass with erect stems, 10 to 20 inches high. Native to Uruguay.

For previous introduction see No. 62041.

74512 to 74515-Continued.

74515. CISTUS CYPRIUS Lam. Cistaceae.

An erect shrub up to 6 feet high, bearing large white flowers which are blotched with purple at the base. Native to southern Europe.

74516 to 74522. CAJANUS INDICUS Spreng. Fabaceae. Pigeon pea.

From Kampala, Uganda Protectorate, Africa. Seeds presented by S. Simpson, Director, Department of Agriculture. Received August 4, 1927.

Locally developed.

 74516. No. 1.
 74520. No. 5.

 74517. No. 2.
 74521. No. 6.

 74518. No. 3.
 74522. No. 7.

74519. No. 4.

74523. PSIDIUM GUAJAVA L. Myrtaceae.

From Calcutta, India. Seeds presented by S. Percy Lancaster, Secretary, Agri-Horticultural Society of India. Received August 3, 1927.

Seeds of a usually seedless guava which may again develop the seedless variety.

74524 to 74526. DIOSPYROS LOTUS L. Diospyraceae. Dateplum.

From Seoul, Chosen (Korea). Seeds presented by Charles H. Stephan, American vice consul. Received August 2, 1927.

74524. From Kokai Province.

74525. From Hokwa district, North Keisho Province.

74526. From North Chusei Province.

74527. CAJANUS INDICUS Spreng. Fabaceae. Pigeon pea.

From Saigon, Cochin China. Seeds presented by I. Bobin, Chief of Agricultural Service. Received August 8, 1927.

Locally grown seeds.

74528. (Undetermined.)

From Freetown, Sierra Leone, Africa. Seeds presented by M. T. Dawe, Lands and Forests Department. Received August 8, 1927.

The fruits make a fine jelly not unlike guava jelly.

74529 to 74543.

From Sumatra. Seeds collected by H. H. Bartlett, University of Michigan, Ann Arbor, Mich. Received August 4, 1927.

74529. BOTOR TETRAGONOLOBA (L.) Kuntze (Psophocarpus tetragonolobus DC.). Fabaceae. Goa bean.

Ksang borong. From Silo Maradja, Asahan.

74530. CALAMUS sp. Phoenicaceae. Palm.

Rotan tolpaktolpang. From the jungle near Aek Sordang, Loendoet, Koealoe.

74531. CALAMUS sp. Phoenicaceae. Palm. No. S184. Rotan mallo. From Pargambiran, Asahan.

74529 to 74543—Continued.

74532. CALOPOGONIUM MUCUNOIDES Desv. Fabaceae.

From Loendoet, Koealoe. A tropical American plant supposed to have been introduced into Sumatra with mimosa seed shipped from South America, which within three or four years has become an important economic plant. It is extensively used as a cover plant in rubber plantations in Sumatra. A fair cover is obtained after three months from sowing, when flowering commences. The plant is a vigorous creeping herb which forms a mat of foliage 1½ feet or so in thickness over the soil. The stems, 3 to 10 feet long, form roots at each node. The pale blue flowers are in racemes 1 to 4 inches long.

For previous introduction see No. 68845.

74533. CITRULLUS VULGARIS Schrad. Cucurbitaceae. Watermelon.

From Silo Maradja, Asahan. Goen-door bandihe. A variety used for food.

74534. DRACAENA sp. Liliaceae.

No. 8150. Silo Maradja, Asahan. A giant species having glossy green mottled leaves over 2 feet long. The fruits are orange colored for a long time, then turn vermillon when dead ripe. This species probably will grow only in the warmest parts of the United States. Perhaps the same as No. 74478.

74535. GAULTHERIA sp. Ericaceae.

No. 8028. From the summit of Dolok Soeroengan, Habinsaran, Tapianoeli. A very pretty white-flowered species about 2 or 3 feet high, having the odor of wintergreen oil.

74536 to 74538. MOMORDICA CHARANTIA L. Cucurbitaceae. Balsam-pear.

From Silo Maradja, Asahan.

74536. Parija sina. This is a good variety.

74537. Parija gading (ivory parija).

74538. Parija-parija paet. This variety is like parija, but it is bitter.

74539. PHASEOLUS AUREUS Roxb. Fabaceae. Mung bean.

Kasang riti. From Silo Maradja, Asahan.

74540. RHODODENDRON sp. Ericaceae.

No. 7998. From the summit of Dolok Soeroengan, Habinsaran, Tapianoeli.

74541. SOLANUM MELONGENA L. Solanaceae. Eggplant.

Tijoeng boelat. From Silo Maradja, Asahan. A variety with edible fruits.

74542. Viburnum sp. Caprifoliaceae. No. 7849. Between Pardoeaan and Maranti, Habinsaran, Tapianoeli.

74543. VIGNA SESQUIPEDALIS (L.) Fruwirth, Fabaceae. Asparagus bean.

Kasang gomboeng. From Silo Maradja, Asahan.

74544 and 74545.

From Montpellier, France. Seeds presented by the director of the botanic garden of the University of Montpellier. Received August 8, 1927.

74544 and 74545—Continued.

74544. EUPHORBIA AMYGDALOIDES L. Euphorbiaceae.

A semishrubby plant whose seeds yield a drying oil,

. 74545. MERCURIALIS TOMENTOSA L. Euphorbiaceae.

A herbaceous plant the seeds of which yield a drying oil.

74546 to 74548.

From Argentina. Seeds presented by Prof. Lorenzo R. Parodi, University of Buenos Aires. Received August 8, 1927.

74546. Bromus coloratus Steud. Poaceae. Grass.

From Tierra del Fuego.

74547. CHLORIS ARGENTINA (Hack.) Lillo and Parodi. Poaceae. Grass.

From Santiago del Estero. An erect, perennial grass 1 to 3 feet high, native to sandy places in Argentina.

For previous introduction see No. 62066.

74548. CHLORIS POLYDACTYLA (L.) Swartz. Poaceae. Grass.

From Santiago del Estero. A grass about 1½ feet high, with seed stalks running up to 3 feet. It seeds profusely and is said to be good, when young, as a pasture grass.

74549 to 74553.

From Paris, France. Seeds presented by Maurice Jeanson. Received August 8, 1927.

74549. Brassica sp. Brassicaceae.

An edible wild cabbage originally from Ankober, Ethiopia.

74550. CUCURBITA MAXIMA Duchesne. Cucurbitaceae. Squash,

A very interesting variety, originally from northern France. It should be tested in the southern United States.

74551. GUIZOTIA ABYSSINICA (L. f.) Cass. Asteraceae.

Originally from Ankober, Ethiopia. An annual plant, 6 to 8 feet high, with showy yellow flower heads. The black shining seeds furnish the Niger cil of commerce.

For previous introduction see No. 58741.

74552. IPOMOEA sp. Convolvulaceae. Morning-glory.

Originally from Ankober, Ethiopia.

74553. RUBUS MACROCARPUS Benth. Rosaceae. Colombian blackberry.

Originally from Bogota, Colombia. A rather coarse-growing blackberry with rough leaves and large maroon-red juicy berries. Native to moist regions in the South American Andes at altitudes of 8,500 to 9,500 feet.

For previous introduction see No. 72989.

74554 to 74572.

From China. Seeds collected by F. A. Mc-Clure, agricultural explorer, Bureau of Plant Industry. Received August 15, 1927.

74554. ALLIUM sp. Liliaceae.

No. A-17. Canton, June, 1927. Tsung. An onion planted in this region during February and March.

74555. BASELLA RUBRA L. Basellaceae.

No. A-14. Canton, June, 1927. Uen ip tang tsoi. A variety planted during the early spring; the stems are ready to use by May and are eaten at a potherb.

74556 to 74559. BENINCASA HISPIDA Thunb.) Cogn. Cucurbitaceae. Waxgourd.

74556. No. A-5. Canton, June, 1927.

Tsing pei tung kwa. A variety
planted in this region during February.

74557. No. A-6. Konmoon, June, 1927. Paak pet tung kwa (white-skinned wax melon). A variety planted during February; the fruits are ready to be harvested in July.

74558. No. A-18. From Fatshan, Kwangtung, June, 1927. Wong no tsit kwa. A variety planted during February.

74559. No. A-19. From Fatshan, Kwangtung, June, 1927. Tsing pet tsit kwa. A variety planted during February.

74560. CACARA EROSA (L.) Kuntze (Pachyrhizus angulatus Rich.). Fabaceae. Yam bean.

No. A-16. From Shuitung, Kwangtung, June, 1927. Shui tung sha kat. A variety planted during February or March; the roots are ready to use by the end of summer.

74561. CORIANDUM SATIVUM L. Apiaceae. Coriander.

No. A-20. From Canton, June, 1927. Uen sai. A variety planted throughout the year.

74562. Cucumis melo L. Cucurbitaceae. **Melon.**

No. A-9. From Hanau, Kwangtung, June, 1927. Mau paak kwa. A variey planted during February and May; the first harvest begins in June.

74563, CUCUMIS SATIVUS L. Cucurbitaceae. Cucumber.

No. A-8. From Fatshan, Kwangtung, June, 1927. Tai tsing pi wong kwa. A variety planted during February and June; the first harvest begins in June.

74564. CUCURBITA MOSCHATA Duchesne. Cucurbitaceae. Cushaw.

No. A-10. From Canton, June, 1927. Tai chung faan kwa. A variety planted during February and harvested in the late summer.

74565. IPOMOEA REPTANS (L.) Poir. (I. aquatica Forsk.). Convolvulaceae.

No. A-15. From Canton, June, 1927. Pak kwat ung tsot. A variety planted during February and March; the stems are ready to use in May.

74554 to 74572—Continued.

74566. LUFFA ACUTANGULA (L.) Roxb. Cucurbitaceae. Singkwa towelgourd.

No. A-7. From Namshektan, Kwangtung, June, 1927. Shing kwa. An annual climber planted in February and harvested in June.

74567. MOMORDICA CHARANTIA L. Cucurbitaceae. Balsam-pear.

No. A-12. From Canton, June, 1927. A cucurbitaceous vine planted in February and harvested in July.

74568. SOLANUM MELONGENA L. Solanaceae. Eggplant.

No. A-13. From Canton, June, 1927. Paak pei ai kwa. A variety planted in January and February; the harvesting begins in May.

74569 to 74572. VIGNA SESQUIPEDALIS (L.) Fruwirth. Fabaceae. Asparagus-bean.

74569. No. A-1. From Chiuchow, Kwangtung, June, 1927. Paat uet kok. A variety planted in March.

74570. No. A-2. From Fatshan, Kwangtung, June, 1927. Chi kap tsing tan. A variety planted from February until April.

74571. No. A-3. From Fatshan, Kwangtung, June, 1927. Sai uen tan kok. A variety planted during February.

74572. No. A-4. From Hapoonue, Kwangtung, June, 1927. Kam shan tan kok. A variety planted during February.

74573. MEDICAGO SATIVA L. Fabaceae.
Alfalfa.

From Florence, Tuscany, Italy. Seeds purchased from Comizio Agrario di Firenze. Received August 18, 1927.

Locally grown seed.

74574 to 74587.

From Buitenzorg, Java. Seeds presented by Dr. W. M. Docters van Leeuwen, Director, Botanic Gardens. Received August, 1927.

74574. AESCHYNOMENE AMERICANA L. Fabaceae.

A West Indian bushy leguminous herbaceous annual, 2 feet high, with yellow flowers.

74575. ASSONIA PALMATA (Cav.) Kuntze (Dombeya acutangula Cav.). Sterculi-

An evergreen subtropical tree, up to 16 feet high, with rounded heart-shaped leaves crowded at the ends of the branchlets and loose clusters of white or reddish flowers. Native to the Mascarene Islands, Indian Ocean.

74576. CALOPOGONIUM MUCUNOIDES Desv. Fabaceae.

For previous introduction and description see No. 74532.

74577. Cassia bicapsularis L. Caesalpiniaceae.

A tropical-American evergreen shrub 4 feet high, with pinnate leaves and yellow flowers.

For previous introduction see No. 50654.

74574 to 74587—Continued.

74578. Cassia Papuana Hort. Caesalpinlaceae.

A tropical ornamental shrub with pinnate foliage and yellow flowers.

For previous introduction see No. 69148.

74579. CLITORIA HETEROPHYLLA Lam. Fabaceae.

An East Indian perennial climber with very slender stems, compound leaves, and solitary blue flowers.

For previous introduction see No. 65298.

74580. CROTALARIA ANAGYROIDES H. B. K. Fabaceae.

A tropical American shrubby leguminous plant, up to 6 feet high, used as a cover plant in the East Indies.

For previous introduction see No. 66251.

74581. HOMALOCENCHRUS HEXANDRUS (Swartz) Kuntze. Poaceae. Eice grass.

An Australian perennial grass, common along watercourses in New South Wales and Queensland. It becomes about 3 feet high, is very leafy, and livestock are very fond of it.

For previous introduction see No, 47025.

74582. LICUALA AMPLIFRONS Miquel. Phoenicaceae. Palm.

A showy dwarf fan palm with leaves about 2½ feet long and usually 12 parted. Native to Sumatra.

For previous introduction see No. 68121.

74583. PITHECOLOBIUM UMBELLATUM (Vahl) Benth. Mimosaceae.

A low ornamental leguminous tree with feathery foliage, native to the East Indies.

For previous introduction see No. 69161.

74584. PONGAMIA PINNATA (L.) W. F. Wight (P. glabra Vent.). Fabaceae.

A tall erect tree, or sometimes a climbing shrub, with compound leaves composed of five to seven pairs of oblong leaflets, and simple racemes of white flowers. The woody pods are about one-fourth of an inch thick and an inch and a half long. Native to tropical Asia, Because of its bright, handsome foliage this tree has been recommended as an ornamental for mild-wintered regions.

For previous introduction see No. 66152.

74585. SESBANIA PALUDOSA Jacq. Faba-

A yellow-flowered annual with compound leaves.

74586. SINDORA SUMATRANA Miquel. Caesalpiniaceae.

An unarmed ornamental East Indian tree with panicles of small flowers and stiff pinnate leaves with few leaflets.

For previous introduction see No. 69165.

74574 to 74587—Continued.

74587. VIGNA LUTEA (Swartz) A. Grav. Eabaceae

An East Indian leguminous creeper, of possible value as a cover plant or green forage.

previous introduction see No. For 60253.

74588. CITRUS SINENSIS (L.) Osbeck. Rutaceae. Sweet orange.

rom Brisbane, Queensland, Australia. Plants presented by G. Williams, Department of Agriculture and Stock, through W. T. Swingle, Bureau of Plant Industry. Received August 11, 1927.

Byfield seedless orange. A very vigorous and productive tree originating near Brisbane. The fruit is of excellent quality with

74589. Citrus sp. Rutaceae.

From Pasoeroean, Java. Seeds presented by E. de Vries, Government horticulturist. Received August 11, 1927.

A very prolific Citrus of unknown origin, growing in Java, which is called the Japanese lemon, though it is not a lemon. Perhaps it is a natural hybrid between the lemon and tangerine. The fruits make an excellent orange-colored squash. In the experiment garden at Java it is used as a stock for Citrus nobilis, the only good stock which we so far have in Java. It is also which we so far have in Java. It is also an excellent stock for C. grandis. The tree is susceptible to scab (Cladosporium)). In Java the seedlings bear freely at 3 or 4 years old. (Note by Mr. de Vries in letter dated May 22, 1927.)

74590. Borassus flabellifer L. Phoe-Palmyra palm. nicaceae.

From Gambia, West Africa. Seeds pre-sented by A. J. Brooks, Director, Depart-ment of Agriculture. Received August 29, 1927.

An African form of the famous Palmyra palm of India. Though a slow grower, it is a very handsome palm when old. Inasmuch as it grows in the dry coastal regions of Ceylon, is apparently able to withstand any amount of lime, and is said to have even been successfully used as a binder for sand dunes, it should prove of real value in the calcareous soils of southern Florida. In the number of uses to which it is put in Ceylon it rivals the coconut. A delicate sugar is made from the sap, which flows in abundance from its inflorescence when cut. The seeds are germinated, and the young subterranean hypocotyl is used as a vegetable. The leaves are used in many different ways. The fruit, half the size of a coconut, is very attractive in appearance and when ripe exhales a delicate fragrance. The hull is eaten by the Tamils of Ceylon.

For previous introduction see No. 73399.

For previous introduction see No. 73399.

74591 to 74593. Figure spp. Moraceae.

by C. W. Edwards, Director, Agricultural Experiment Station. Received August 8, 1927. From the island of Guam. Seeds presented

74591. FICUS MARIANNENSIS Merr.

A giant banyan fig which is epiphytic on other trees. The latex is astringent and is used to stop the flow of blood. This variety is native to Guam.

74591 to 75593—Continued.

74592. FICUS PHILIPPINENSIS Miquel.

A tropical tree, from Guam, with aerial roots growing from the trunk.

A tropical tree from Guam, with branching aerial roots and small red fruits.

74594 to 74596.

From Bordeaux, Gironde, France. Seeds presented by Prof. L. Beille, Director, Botanic Garden of Talence. Received August 8, 1927.

74594. CHENOPODIUM QUINOA Willd. Quinoa. nopodiaceae.

A South American herbaceous plant about 6 feet high, the seeds of which are used for food.

For previous introduction see No. 73271.

74595. ELAEAGNUS PUNGENS REFLEXA (Morr. and Dec.) Rehder. Elaeagnaceae. Bronze elaeagnus.

An ornamental spreading hardy somewhat spiny Japanese shrub up to 4 meters high, with oval-lanceolate leaves, silvery white, fragrant flowers in small pendulous clusters, followed by red fruits.

previous introduction see No.

74596. PTEROCARYA FRAXINIFOLIA (Lam.)
Spach (P. caucasica Meyer). Juglandaceae.
Caucasian wingnut.

A handsome spreading tree 60 feet or less in height, with attractive dark-green pinnate leaves about a foot long. It is native to the Caucasus and will probably not prove hardy north of Massachusetts.

previous introduction see No. 732Ťŝ.

74597 to 74652.

From Tientsin, China. Seeds presented by Rev. B. M. Flory, the Church of the Brethren Mission. Received August 8,

74597. ACER sp. Aceraceae. Maple. A hardy species.

74598. ASCLEPIAS Sp. Asclepiadaceae. Milkweed. A hardy perennial.

74599. ASTRAGALUS Sp. Fabaceae.

A hardy leguminous herbaceous plant which may be an ornamental.

74600 to 74602. BERBERIS spp. Berberida-Barberry.

74600. BERBERIS SD.

74601. BERBERIS Sp.

No 2

74602. BERBERIS Sp.

No. 3.

74603 and 74604. CHAETOCHLOA ITALIC. (L.) Scribn. (Setaria italica Beauv.) ITALICA Poaceae. Millet.

Locally grown seeds.

74603. No. 1. 74604. No. 2. 74597 to 74652—Continued.

605 to 74609. CITRULLUS VULGARIS Schrad. Cucurbitaceae. Watermelon. VULGARIS

Local varieties.

74605. No. 1.

74608. No. 4.

74606. No. 2.

74609. No. 5.

74607. No. 3.

74610 to 74615. CLEMATIS spp. Ranunculaceae.

74610. CLEMATIS Sp.

No. 1.

74611. CLEMATIS Sp.

No. 2.

74612. CLEMATIS Sp.

No. 3.

74613. CLEMATIS Sp.

No. 4.

74614. CLEMATIS Sp.

No. 5.

74615. CLEMATIS sp.

No. 6.

74616. COTONEASTER sp. Malaceae.

A hardy shrub.

74617 and 74618. CUCUMIS MELO L. Cu-Melon. curbitaceae.

Local varieties.

74617. No. 1.

74618. No. 2.

74619. DAUCUS CAROTA L. Apiaceae. Carrot.

A local variety.

74620 to 74622. Delphinium spp. Ranun-Larkspur.

Hardy herbaceous perennials.

74620. DELPHINIUM sp.

No. 1.

74621. DELPHINIUM Sp.

No. 2.

74622. DELPHINIUM sp.

No. 3.

74623. DIOSPYROS KAKI L. f. Řaki. ceae.

74624 and 74625. EUONYMUS spp. Celastraceae.

Hardy woody plants which are usually ornamental.

74624. EUONYMUS Sp.

No. 1.

74625. EUONYMUS Sp.

74626. FAGOPYRUM ESCULENTUM Moench. Buckwheat. Polygonaceae.

Locally grown seeds.

74627. FRAXINUS Sp. Oleaceae.

74628. HYDRANGEA sp. Hydrangeaceae.

A hardy ornamental shrub.

74629. HYPERICUM sp. Hypericaceae.

hardy yellow-flowered ornamental

74597 to 74652—Continued.

74630 and 74631. LILIUM spp. Liliaceae. Lilv. Hardy lilies.

74630. LILIUM Sp.

No. 1.

74631. LILIUM Sp.

No. 2.

332 and 74633. Lycopersicon Lentum Mill. Solanaceae. I ESCU-Tomato. Local varieties.

74632. No. 1.

74633. No. 2.

74634. ORYZA SATIVA L. Poaceae. Rice. Locally grown seeds.

74635. PHASEOLUS AUREUS Roxb. ceae. Mung bean.

A local variety.

74636. Phaseolus vulgaris L. Fabaceae. Common bean. A local variety.

74637. PHILADELPHUS sp. Hydrangeaceae. A hardy ornamental shrub.

74638. RAPHANUS SATIVUS L. Brassicaceae. Radish.

A local variety.

74639. RHODODENDRON sp. Ericaceae.

A hardy ornamental shrub.

74640. Ribes sp. Grossulariaceae.
Currant. A wild red currant.

74641 to 74644. Rosa spp. Rosaceae. Rose.

74641. ROSA Sp.

No. 1.

74642. Rosa sp.

No. 2.

74643. ROSA Sp.

No. 3.

74644. Rosa sp.

No. 4.

74645 to 74647. Spiraea spp. Rosaceae. Spirea. Hardy ornamental shrubs.

74645. SPIRAEA Sp.

No. 1.

74646. SPIRAEA SD.

No. 2.

74647. SPIRAEA Sp.

No. 3.

74648. TRITICUM AESTIVUM L. (T. vulgare Vill.). Poaceae. Common wheat. Common wheat, Locally grown seeds.

74649 and 74650, VIBURNUM spp. Caprifoliaceae.

Hardy ornamental shrubs.

74649. VIBURNUM Sp.

No. 1.

74650. VIBURNUM Sp.

No. 2.

74597 to 74652—Continued.

74651 and 74652. ZEA MAYS L. Poaceae. Corn.

Locally grown seeds.

74651. No. 1. 74652. No. 2.

74653. CARPOTROCHE BRASILIENSIS (Raddi) Endl. Flacourtiaceae.

From Vicosa, Minas Geraes, Brazil. Seeds presented by Prof. P. H. Rolfs, Escola Superior de Agricultura e Veterinaria. Received May 10, 1926. Numbered September, 1927.

tropical tree native to central Brazil. A sirup said to cure leprosy and an oint-ment used for skin affections are prepared from the seeds.

For previous introduction see No. 64443.

74654. Ribes sp. Grossulariaceae. Black currant.

From Shitoukhetsy, Manchuria. Plants obtained by P. H. Dorsett, agricultural explorer, Bureau of Plant Industry. Received November 17, 1926. Numbered September, 1927.

No. 7268. A cultivated form of the Manchurian wild black current.

74655 and 74656.

rom West Africa. Seeds collected by David Fairchild, agricultural explorer, Bureau of Plant Industry, with the Alli-son V. Armour expedition. Received March and April, 1927. Numbered Sep-tember, 1927. From

74655. COLA ACUMINATA (Beauv.) Schott and Endl. Sterculiaceae. Cola nut. Schott

No. 1157. From the jungle near Duala, Cameroon, February 6, 1927. An unusually vigorous strain of the cola nut. The tree is 40 feet high, with large leathery leaves and large pods inclosing purplish seeds which contain caffein.

previous introduction see 42359.

74656. NAGEIA Sp. (Podocarpus sp.). Taxaceae.

No. 1206. Buea, Cameroon, February 12, 1927. A tall handsome tropical evergreen tree with somewhat pendulous branches.

74657 and 74658. PSIDIUM GUAJAVA L. Myrtaceae. Guava.

From Calcutta, India. Seeds presented by S. Percy Lancaster, Sccretary, Agri-Horticultural Society of India. Received August 29, 1927.

657. A soft-seeded variety which is sweet and very prolific. 74657. A soft-seeded

74658. For previous introduction and description see No. 74523.

74659. Cajanus indicus Spreng, Fa-Pigeon pea. baceae.

From Tananarive, Madagascar. Seeds presented by the Chief of the Agricultural Service. Received August 29, 1927.

A variety cultivated in Madagascar.

74660. Gossypium arboreum L. Malvaceae. Cotton.

74660—Continued.

From Sibpur, near Calcutta, India. Seeds presented by C. C. Calder, Superintendent, Royal Botanic Garden, through T. H. Kearney, Bureau of Plant Industry. Received August 18, 1927.

Locally grown seeds.

For previous introduction see No. 74443.

74661. LEEA INDICA (Burm. f.) Merr. Vitac**e**ae.

From Takengon, Sumatra. Seeds collected by David Fairchild and P. H. Dorsett, agricultural explorers, Bureau of Plant Industry, with the Allison V. Armour expedition. Received May 14, 1926. Numbered July, 1927.

A tropical shrub or small tree with attractive pinnate-crenate bronzy leaves.

74662 to 74667

From Sumatra. Seeds collected by H. H. Bartlett, University of Michigan, Ann Arbor, Mich. Received August 30, 1927.

74662. CITRUS Sp. Rutaceae.

74662. CITRUS Sp. Rutaceae.

No. 8600. The wild orange of Si Naboen, growing in the forest belt around the middle of the mountain near the path leading up from Kampong Goeroe Kinajan, Karoland. The tree, as it grows in the jungle, is 6 to 8 inches in diameter, smooth barked, and branched above. The fruits are sour but have a very good flavpr and are about 3½ inches in diameter and 2½ inches long. The skin is thick and peels off only moderately easily. The stem end is indented, and the other end has a low prominence. This species has been planted in the kampongs to a small extent, but is said by the natives to be wild, whereas the following [No. 74663], sent for comparison, is cultivated only.

74663. CITRUS Sp. Rutaceae.

Berastagi, Karoland. The sweet fruits are smaller than those of the former [No. 74662], often being only 2 inches in diameter, or even less; the largest fruits are about 3 inches in diameter. The skin is very thin and easy to peel.

74664. CROTALARIA STRIATA D.C. Fabaceae.

Hisik-kisik. From Silo Maradja, Asahan. A tropical East Indian leguminous plant, possibly useful as a cover crop.

74665. MAGNOLIA sp. Magnoliaceae.

No. 8535. From Dělěng Singkoet, near Běrastagi, Karoland. A large, handsome tropical tree.

74666. PINANGA sp. Phoenicaceae. Palm.

No. 8554. From Dělěng Singkoet, near črastagi, Karoland. An attractive Berastagi, Karoland. An attractive tropical palm 6 to 12 feet high with reedlike stems.

74667. Quercus sp. Fagaceae. Oak.

No. 8654. From Goenoeng Si Naboen, Karoland. A large tree.

74668. Iris sintenisii Janka. Irida-

From Philadelphia, Pa. Plants by Mrs. J. Norman Henry. September 30, 1927. Plants presented

A rather small iris from southeastern Europe and Asia Minor, which has stiff, very narrow leaves a foot long, a slender stem, and small bright-lilac flowers.

74669 to 74671.

From Haiti. Seeds and plants presented by F. C. Baker, Bureau of Plant Industry. Received September 19, 1927.

74669 and 74670. BACTRIS PLUMERIANA Mort. Phoenicaceae. Palm.

A rather low Brazilian palm with a spiny stem, pinnate leaves, and pale greenish yellow flowers.

74669, Seeds. 74670, Plant.

74671. COCCOTHRINAX ANOMALA Beccari. Phoenicaceae. Palm.

A medium-sized West Indian palm with terminal fan-shaped leaves and small berrylike juicy black fruits.

74672 and 74673.

From Leningrad Russia. Seeds presented by A. Kol, chief, bureau of introduction, Institute of Applied Botany and New Cultures. Received September 19, 1927.

74672. AVENA SATIVA L. Poaceae. Oats.

No. 10274. Sumrak. Variety cinorea. A small-grained, thin-hulled variety obtained from the Viatka Reg. Experiment Station, Viatka Government.

74673. TRITICUM AESTIVUM L. (T. vulgare Vill.). Poaceae. Common wheat.

No. 36106. Kooperatorka. Variety erythrospermum. From the Odessa Experiment Station, Odessa. A white-eared, red-grained variety which is one of the earliest, most productive, and valuable winter wheats of the Ukraine.

74674 to 74679.

From Brignoles, France. Seeds presented by R. Salgues. Brignoles Botanic Station. Received September 20, 1927.

74674. ARMERIA BUPLEUROIDES Gren. and Godr. Plumbaginaceae.

A plantainlike hardy herbaceous perennial a foot high, with red flowers. Native to southern Europe.

74675. ASTRAGALUS GLYCYPHYLLOS L. Fabaceae.

A prostrate, spreading herbaceous perennial, native to Asia Minor.

For previous introduction see No. 66520.

74676. CISTUS MONSPELIENSIS L. Cistaceae. Montpelier rockrose.

An ornamental white-flowered shrub, native to the Mediterranean region.

74677. JUNIPERUS PHOENICEA L. Pinaceae. Phoenicean juniper.

A low, ornamental evergreen tree about 20 feet high, native to dry places in the Mediterranean countries.

For previous introduction see No. 69855.

74678. PISTACIA CHINENSIS Bunge. Anacardiaceae. Chinese pistache.

A fairly rapid-growing tree native to central China. The wood is durable and much used for furniture and agricultural implements. The young shoots are edible, and the seeds furnish an illuminating oil.

For previous introduction see No. 72633.

49628--29----2

74674 to 74679—Continued.

74679. TEUCRIUM FLAVUM L. Menthaceae.

A hardy herbaceous perennial mint, 2 feet high, with yellow flowers. Native to the Mediterranean countries.

74680. Grevillea banksii R. Br. Proteaceae.

From Santa Barbara, Calif. Seeds collected by John A. Stevenson, Bureau of Plant Industry. Received September 23, 1927.

An upright ornamental subtropical Australian tree which has carmine flowers.

For previous introduction see No. 50332.

74681 to 74690.

From Europe. Seeds collected by Dr. Augustine Henry, College of Science for Ireland, Dublin. Irish Free State. Received September 19, 1927.

These seeds were growing in the French Alps at altitudes between 4,500 and 7,500 feet.

74681. AMELANCHIER ROTUNDIFOLIA (Lam.) Dum.-Cours. Malaceae.

A hardy ornamental European shrub or small tree, about 20 feet high, growing at an altitude of 5,000 feet. The leaves are rounded, the white flowers being over an inch in diameter, and the fruits are first red, later becoming black.

74682. CENTAUREA RHAPONTICUM L. Asteraceae.

A hardy herbaceous purple-flowered European perennial growing at an altitude of 7,000 feet.

74683. CLEMATIS ALPINA Mill. Ranuncu-

A hardy herbaceous climber, native to the mountains of Europe, Siberia, and western Canada, growing at an altitude of 5,000 feet. It has white leaves, and the flowers vary from blue to white.

For previous introduction see No. 53137

74684. HIPPOPHAE RHAMNOIDES L. Elaeagnaceae. Common sea-buckthorn.

A spiny deciduous hardy shrub with silvery follage and orange-yellow fruits, native to western Asia, at an altitude of 5,000 feet.

74685. LATHYRUS sp. Fabaceae.

A climbing leguminous plant with conspicuous red flowers, growing at altitudes between 5,000 and 6,000 feet.

74686. LONICERA ALPIGENA L. Caprifoliaceae. Honeysuckle.

A hardy ornamental European shrub 6 feet high, growing at an altitude of 7,000 feet. It has yellow, red-tinged flowers and red cherrylike berries.

For previous introduction see No. 53707.

74687. Ononis sp. Fabaceae.

A small leguminous alpine plant growing at an altitude of 5,000 feet.

74688. PRIMULA Sp. Primulaceae. Primrose.

A small alpine primrose growing at an altitude of 5,000 feet.

74681 to 74690—Continued.

74689. SAMBUCUS RACEMOSA L. Caprifoliaceae. European red elder.

A hardy ornamental shrub, 12 feet high, growing at an altitude of 5,000 feet. The terminal cymes of small yellowish flowers are succeeded by scarlet fruits. Native to continental Europe and Asia.

For previous introduction see No. 65506.

74690. SORBUS CHAMAEMESPILUS Crantz. Malaceae. Mountain-ash.

A hardy European shrub about 6 feet high, growing at an altitude of 5,000 feet. It has pinkish flowers and brownish red fruits in dense corymbs.

74691. Rubus sp. Rosaceae.

Blackberry.

From Kosseir, Syria (near Damascus). Seeds collected by F. G. Krauss, University of Hawaii. Received September 23, 1927.

A variety producing an abundance of small fruits. The plants from which these seeds were obtained were of virogous growth, notwithstanding, the very arid condition along the roadway.

74692. HORDEUM VULGARE PALLIDUM Seringe. Poaceae. Six-rowed barley.

From Iraq. Seeds collected by F. G. Krauss, University of Hawaii. Received September 26, 1927.

A local variety collected at Iraq in August, 1927.

74693 and 74694. ZEA MAYS L. Poaceae. Corn

From Palestine. Seeds collected by F. G. Krauss, University of Hawaii. Received September 26, 1927.

74693. No. 771. A local variety received as Palestinian white point.

74694. No. 454. A local variety received as Palestinian white dent.

74695. Kennedia Rubicunda Vent. Fabaceae.

From Richmond, Australia. Seeds presented by R. H. Baker. Received September 27, 1927.

A leguminous climbing shrub with dark-green leaves and large attractive dark-red flowers.

For previous introduction see No. 58036.

74696 and 74697.

From Matania el Saff, Egypt. Seeds presented by Alfred Bircher, Director, Middle-Egypt Botanic Station. Received September 30, 1927.

74696. Casuarina luehmanni R. T. Baker. Casuarinaceae.

A tree 80 to 100 feet high, with lightcolored branchlets and flattened cones half an inch in diameter. The wood is hard and close-grained.

74697. EHRETIA LAEVIS Roxb. Boraginaceae.

A subtropical evergreen shrub 12 feet high, with white flowers. Native to southern Asia.

74698 and 74699. Datisca cannabina L. Datiscaceae.

From Cluj, Rumania. Seeds presented by Dr. A. Borza, Director, Botanic Garden, University of Cluj. Received September 30, 1927.

A hardy herbaceous perennial 4 feet high, with greenish yellow flowers. It is native to the Himalayas. The roots are used as a source of yellow dye.

74698. No. 926. 74699. No. 927.

74700 to 74702. Oxalis Tuberosa Molina. Oxalidaceae.

From Tucuman, Argentina. Tubers presented by S. Heredia Luna, National University of Tucuman. Received September 6, 1927.

A South American plant related to the wood sorrel of the United States. It is grewn in the Andes for its edible tubers.

74700. No. 1.

74701. No. 2.

74702. No. 3. A red variety.

74703. (Undetermined.)

From Europe. Seeds collected by Dr. Augustine Henry, College of Science for Ireland, Dublin, Irish Free State. Received September 19, 1927.

A small erect leguminous alpine plant growing in the French Alps at an altitude of $5{,}000\,$ feet.

74704. MERCURIALIS ANNUA L. Euphorbiaceae.

From Cluj, Rumania. Seeds presented by Dr. A. Borza, Director, Botanic Garden, University of Cluj. Received September 2, 1927.

An annual erect herb with opposite narrow leaves, native to Europe. It is to be grown to determine the iodin content of the seeds.

For previous introduction see No. 74217.

74705 to 74707. PHOENIX DACTYLIFERA L. Phoenicaceae. Date palm.

From Africa. Offshoots presented by Dr. L. Trabut, Government botanist, Algers, Algeria, through W. T. Swingle, Bureau of Plant Industry. Received August 23, 1927.

74705. Deglet beida. From near El Arfiane, in the vicinity of Biskra, Algeria.

74706. M'sh degla. From Biskra, Algeria.

74707. Arishty. From Biskra, Algeria.

74708 to 74779. TRITICUM AESTIVUM L. (T. vulgare Vill.). Poaceae.

Common wheat.

From Nanking, China. Seeds obtained from the College of Agriculture and Forestry, University of Nanking. Received September 12, 1927.

Local varieties.

74708, No. 1569.

74709. No. 1572.

74710. No. 1573.

74711. No. 1585.

Nassa.

From

From

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74708 to 74779—Continued.
                                                      74708 to 74779—Continued.
                                                         74765. No. 2192.
  74712. No. 1591.
                                                         74766. No. 2224.
  74713. No. 1602.
                                                         74767. No. 2247.
  74714. No. 1627.
  74715. No. 1655.
                                                         74768. No. 2275.
                                                         74769, No. 2277.
  74716. No. 1665.
                                                         74770. No. 2301.
  74717. No. 1671.
                                                         74771. No. 2341.
  74718. No. 1674.
                                                         74772. No. 2343.
  74719, No. 1694.
                                                         74773. No. 2379.
  74720. No. 1696.
                                                         74774. No. 2404.
  74721. No. 1708.
  74722. No. 1716.
                                                         74775. No. 2413.
                                                         74776. No. 2418.
  74723, No. 1727.
                                                         74777. No. 2423.
  74724. No. 1739.
                                                         74778. No. 2444.
  74725. No. 1740.
                                                         74779. No. 2448.
  74726. No. 1757.
  74727. No. 1769.
                                                      74780
                                                               to
                                                                      74785. CAJANUS
  74728. No. 1772.
                                                         Spreng. Fabaceae.
                                                                                          Pigeon pea.
  74729. No. 1778.
                                                      From Dar es Salaam, Tanganyika Territory,
Africa. Seeds presented by Dr. A. H.
Kirby, Director, Department of Agricul-
ture. Received July 25, 1927.
  74730. No. 1781.
  74731. No. 1791.
  74732. No. 1801.
                                                         74780. No. 15. Tendekwa. From Sima.
                                                            Mwanza district.
  74733. No. 1803.
                                                         74781. No. 16. Balaschoo. From Kiliman-
jaro, Moshi district.
  74734. No. 1807.
  74735. No. 1812.
                                                         74782. No. 17. Tendekwa. From
  74736. No. 1835.
                                                           Maswa district.
  74737. No. 1846.
                                                         74783. No. 18. Itendekwa.
                                                                                          From Buch-
  74738. No. 1862.
                                                            ossa, Uzinza district.
  74739. No. 1867.
                                                         74784. No. 19-A. Mbaazi,
Upare, Moshi district.
                                                                                         Shoo.
   74740. No. 1871.
  74741. No. 1873.
                                                         74785. No. 20-B. Mbaaz
Upare, Moshi district.
                                                                               Mbaazi, Shoo.
  74742. No. 1885.
  74743. No. 1896.
                                                      74786 to 75126. Triticum spp. Poaceae.
                                                      From Nanking, China. Seeds obtained from
the College of Agriculture and Forestry
University of Nanking. Received Sep-
tember 12, 1927.
  74744. No. 1899.
   74745. No. 1908.
   74746. No. 1911.
   74747. No. 1924.
                                                         74786 to 75114. TRITICUM AESTIVUM L. (T. vulgare Vill.). Common wheat.
  74748. No. 1928.
                                                            Local varieties.
   74749. No. 1945.
                                                            74786. No. 2535.
   74750. No. 1956.
                                                            74787. No. 2537.
   74751. No. 1961.
                                                            74788. No. 2548.
   74752. No. 1975.
                                                            74789. No. 2549.
   74753. No. 1979.
   74754. No. 1999.
                                                            74790. No. 2576.
   74755. No. 2002.
                                                            74791. No. 2585.
                                                            74792. No. 2591.
   74756. No. 2017.
                                                            74793. No. 2597.
   74757. No. 2031.
                                                            74794. No. 2603.
   74758. No. 2049.
                                                            74795. No. 2609.
   74759. No. 2057.
                                                            74796. No 2615.
   74760. No. 2128.
                                                            74797. No. 2617.
   74761. No. 2144.
                                                            74798. No. 2625.
   74762. No. 2179.
                                                            74799. No. 2627.
   74763. No. 2183.
                                                            74800. No. 2639.
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October 10, 1929

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