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# United States Department of Agriculture,

DIVISION OF PUBLICATIONS—Circular 13.

JOS. A. ARNOLD, Editor in Chief.

WASHINGTON, D. C., November 11, 1912.

## PUBLICATIONS OF THE BUREAU OF PLANT INDUSTRY.

**NOTE.**—Application for publications in this list should be made to the Editor and Chief of the Division of Publications, United States Department of Agriculture, Washington, D. C. The editions of some of the publications are necessarily limited, and when the supply is exhausted and no funds are available for procuring additional copies, applicants are referred to the Superintendent of Documents, Government Printing Office, who has them for sale at a nominal price, under the law of January 12, 1895. Applicants are urgently requested to ask only for those publications in which they are particularly interested. The department can not undertake to supply complete sets, nor is it allowable to send more than one copy of any publication to an applicant.

### REPORTS.

Report of the Chief for 1901.

Same, 1906.

Same, 1908.

Same, 1910.

Same, 1907.

Same, 1909.

### BULLETINS.

[In applying for these bulletins the name of the bureau as well as the number of the bulletin should be given, as "Bureau of Plant Industry, Bulletin No. 6."]

Bul. 6. A List of American Varieties of Peppers.

10. Records of Seed Distribution and Cooperative Experiments with Grasses and Forage Plants.

25. Miscellaneous Papers: I. The Seeds of Rescue Grass and Chess. II. Saragolla Wheat. III. Plant Introduction Notes from South Africa. IV. Congressional Seed and Plant Distribution Circulars, 1902-1903.

31. Cultivated Forage Crops of the Northwestern States.

33. North American Species of *Leptochloa*.

51. Miscellaneous Papers: Part I. The Wilt Disease of Tobacco and Its Control.

Same, Part IV. The Cultivation of the Australian Wattle.

53. The Date Palm and its Utilization in the Southwestern States.

56. The Nomenclature of the Apple.

59. Pasture, Meadow, and Forage Crops in Nebraska.

62. Notes on Egyptian Agriculture.

65. Reclamation of Cape Cod Sand Dunes.

67. Range Investigations in Arizona.

72. Miscellaneous Papers: Part I. Cultivation of Wheat in Permanent Alfalfa Fields.

Same, Part II. The Salt Water Limits of Wild Rice.

73. The Development of Single-Germ Beet Seed.

- Bul. 75. Range Management in the State of Washington.
76. Copper as an Algicide and Disinfectant in Water Supplies.
77. The Avocado, a Salad Fruit from the Tropics.
82. Grass Lands of the South Alaska Coast.
85. Principles of Mushroom Growing and Mushroom Spawn Making.
86. Agriculture without Irrigation in the Sahara Desert.
88. Weevil-Resisting Adaptations of the Cotton Plant.
91. Varieties of Tobacco Seed Distributed in 1905-6, with Cultural Directions.
100. Miscellaneous Papers: Part I. Cranberry Spraying Experiments in 1905.  
 Same, Part III. Garlicky Wheat.  
 Same, Part IV. Methods of Testing the Burning Quality of Cigar Tobacco.  
 Same, Part VII. The Effects of Copper upon Water Bacteria.
102. Miscellaneous Papers: Part V. The Control of Texas Root-Rot of Cotton.  
 Same, Part VI. History of the Cowpea and Its Introduction into America.
111. Miscellaneous Papers: I. The Larkspurs as Poisonous Plants. II. The Fibers of Long-Staple Upland Cottons. III. Imported Low-Grade Clover and Alfalfa Seed. IV. Forage Crops for Hogs in Kansas and Oklahoma. V. The Culture and Uses of Brome-Grass.  
 Same, Part I. The Larkspurs as Poisonous Plants.  
 Same, Part II. The Fibers of Long-Staple Upland Cottons.  
 Same, Part IV. Forage Crops for Hogs in Kansas and Oklahoma.
119. The Mulberry and Other Silkworm Food Plants.
121. Miscellaneous Papers: I. The Supposed Relationship of White Snake-root to Milksickness, or "Trembles." II. Mountain Laurel: A Poisonous Plant. III. Results of Loco-Weed Investigations in the Field and Laboratory Work on Loco-Weed Investigations. IV. The Sources of Arsenic in Certain Samples of Dried Hops. V. Apple Leaf-Spot Caused by *Sphaeropsis Malorum*. VI. The Immunity of the Japanese Chestnut to the Bark Disease.  
 Same, Part I. The Supposed Relationship of White Snakeroot to Milksickness or "Trembles."  
 Same, Part II. Mountain Laurel: A Poisonous Plant.  
 Same, Part IV. The sources of Arsenic in Certain Samples of Dried Hops.  
 Same, Part V. Apple Leaf-Spot Caused by *Sphaeropsis Malorum*.
122. Curly-Top, a Disease of the Sugar Beet.
123. The Decay of Oranges While in Transit from California.
127. The Improvement of Mountain Meadows.
129. Barium, a Cause of the Loco-Weed Disease.
131. Miscellaneous Papers: I. The Germination of Vegetable Seeds. II. The Botanical History and Classification of Alfalfa. III. The Cross-Inoculation of Fruit Trees and Shrubs with Crown-Gall. IV. Recent Studies of the Olive-Tubercle Organism. V. The Nectaries of Cotton.  
 Same, Part I. The Germination of Vegetable Seeds.  
 Same, Part II. The Botanical History and Classification of Alfalfa.  
 Same, Part III. The Cross-Inoculation of Fruit Trees and Shrubs with Crown-Gall.  
 Same, Part V. The Nectaries of Cotton.
135. Orchard Fruits in the Piedmont and Blue Ridge Regions of Virginia and the South Atlantic States.
137. Seeds and Plants Imported during the Period from January 1 to March 31, 1908. Inventory No. 14; Nos. 21732 to 22510.

- Bul. 141. Miscellaneous Papers: I. The Relation of Nicotine to the Burning Quality of Tobacco. II. The Granville Tobacco Wilt. III. The Florida Velvet Bean and Its History. IV. The Importance of Broad Breeding in Corn. V. The Present Status of the Chestnut-Bark Disease.
- Same, Part II. The Granville Tobacco Wilt.
- Same, Part III. The Florida Velvet Bean and Its History.
- Same, Part IV. The Importance of Broad Breeding in Corn.
142. Seeds and Plants Imported during the Period from April 1 to June 30, 1908. Inventory No. 15; Nos. 22511 to 23322.
143. Principles and Practical Methods of Curing Tobacco.
144. Apple Blotch, a Serious Disease of Southern Orchards.
145. Vegetation Affected by Agriculture in Central America.
147. Suppressed and Intensified Characters in Cotton Hybrids.
148. Seeds and Plants Imported during the Period from July 1 to September 30, 1908. Inventory No. 16; Nos. 23323 to 23744.
151. Fruits Recommended by the American Pomological Society for Cultivation in the Various Sections of the United States and Canada.
152. The Loose Smuts of Barley and Wheat.
153. Seeds and Plants Imported during the Period from October 1 to December 31, 1908. Inventory No. 17; Nos. 23745 to 24429.
154. Farm Water Supplies of Minnesota.
156. A Study of Diversity in Egyptian Cotton.
157. The Truckee-Carson Experiment Farm.
158. The Root-Rot of Tobacco Caused by *Thielavia Basicola*.
162. Seeds and Plants Imported during the Period from January 1 to March 31, 1909. Inventory No. 18; Nos. 24430 to 25191.
164. Promising Root Crops for the South. I. Yautias, Taros, and Dasheens. II. Agricultural History and Utility of the Cultivated Aroids.
165. Application of Some of the Principles of Heredity to Plant Breeding.
168. Seeds and Plants Imported during the Period from April 1 to June 30, 1909. Inventory No. 19; Nos. 25192 to 25717.
170. Traction Plowing.
171. Some Fungous Diseases of Economic Importance. I. Miscellaneous Diseases. II. Pineapple Rot Caused by *Thielaviopsis Paradoxa*.
172. Grape Investigations in the Vinifera Regions of the United States with Reference to Resistant Stocks, Direct Producers, and Viniferas.
173. Seasonal Nitrification as Influenced by Crops and Tillage.
176. Seeds and Plants Imported during the Period from July 1 to September 30, 1909. Inventory No. 20; Nos. 25718 to 26047.
180. Agricultural and Botanical Explorations in Palestine.
181. The Curly-Top of Beets.
183. Field Studies of the Crown-Gall of the Grape.
185. Cold Resistance of Alfalfa and Some Factors Influencing It.
189. The Source of the Drug *Dioscorea*, with a Consideration of the *Dioscorea* Found in the United States.
190. Orchard Green-Manure Crops in California.
191. The Value of First-Generation Hybrids in Corn.
192. The Drought Resistance of the Olive in the Southwestern States.
194. Summer Apples in the Middle Atlantic States.
195. The Production of Volatile Oils and Perfumery Plants in the United States.
199. The Determination of the Deterioration of Maize, with Incidental Reference to Pellagra.
200. Breeding New Types of Egyptian Cotton.
201. Natural Vegetation as an Indicator of the Capabilities of Land for Crop Production in the Great Plains Area.

- Bul. 202. The Seedling-Inarch and Nurse-Plant Methods of Propagation.  
 204. Agricultural Explorations in the Fruit and Nut Orchards of China.  
 205. Seeds and Plants Imported during the Period from October 1 to December 31, 1909. Inventory No. 21; Nos. 26048 to 26470.  
 206. The Blister Rust of White Pine.  
 207. Seeds and Plants Imported during the Period from January 1 to March 31, 1910. Inventory No. 22; Nos. 26471 to 27480.  
 208. Seeds and Plants Imported during the Period from April 1 to June 30, 1910. Inventory No. 23; Nos. 27481 to 28524.  
 209. Grimm Alfalfa and Its Utilization in the Northwest.  
 210. Hindi Cotton in Egypt.  
 211. Bacteriological Studies of Soils of the Truckee-Carson Irrigation Project.  
 214. The Timber Rot Caused by *Lenzites Sepiaria*.  
 216. The Rusts of Grains in the United States.  
 217. Root-Knot and Its Control.  
 220. Relation of Drought to Weevil Resistance in Cotton.  
 221. Dimorphic Leaves of Cotton and Allied Plants in Relation to Heredity.  
 222. Arrangement of Parts in the Cotton Plant.  
 224. Timothy Rust in the United States.  
 225. A Spot Disease of Cauliflower.  
 230. The Wilting Coefficient for Different Plants and Its Indirect Determination.  
 232. A Preliminary Study of the Forced Curing of Lemons as Practiced in California.  
 233. Seeds and Plants Imported during the Period from January 1 to March 31, 1911. Inventory No. 26; Nos. 29328 to 30461.  
 234. The Cultivation and Manufacture of Tea in the United States.  
 235. Wild Volatile-Oil Plants and Their Economic Importance: I.—Black Sage; II.—Wild Sage; III.—Swamp Bay.  
 236. Farm Management: Organization of Research and Teaching.  
 237. Grain-Sorghum Production in the San Antonio Region of Texas.  
 238. The Measure of the Oxidase Content of Plant Juices.  
 239. Methods and Cost of Clearing Land in Western Washington.  
 240. Cooperative Grain Investigations at McPherson, Kans.  
 241. The Use of Artificial Heat in Curing Cigar-Leaf Tobacco.  
 242. Seeds and Plants Imported during the Period from April 1 to June 30, 1911. Inventory No. 27; Nos. 30426 to 31370.  
 243. Heterozygosis in Evolution and in Plant Breeding.  
 245. Investigations of the Potato Fungus *Phytophthora Infestans*.  
 246. The Relation of Barium to the Loco-Weed Disease.  
 247. A Knot of Citrus Trees Caused by *Sphaeropsis Tumefaciens*.  
 248. Seeds and Plants Imported during the Period from July 1 to September 30, 1911. Inventory No. 28; Nos. 31371 to 31938.  
 249. The Branching Habits of Egyptian Cotton.  
 250. The Diseases of Ginseng and Their Control.  
 251. The Pecan.  
 257. The Weed Factor in the Cultivation of Corn.  
 259. What Is Farm Management?

## MISCELLANEOUS.

[In applying for these publications the name of the bureau as well as the full title of the publication should be given.]

- A New Hollyhock Disease. (Reprint from the *Journal of Mycology*, Vol. 6, No. 2.)  
 A Disease of Almond Trees. Suggestions in Regard to the Treatment of *Cercospora Circumscissa*. (Reprint from the *Journal of Mycology*, Vol. 7, No. 2.)

Sugar-Beet Pulp as Animal Food. (Reprint from Report No. 74, Office of the Secretary.)

Single-Germ Beet Balls and Other Suggestions for Improving Sugar-Beet Culture. (Reprint from Report No. 74, Office of the Secretary.)

### CIRCULARS.

[In applying for these circulars the name of the bureau as well as the number of the circular should be given, as "Bureau of Plant Industry, Circular No. 3."]

- Circ. 3. Some Stem Tumors or Knots on Apple and Quince Trees.
6. The Cultivation and Handling of Goldenseal.
  8. The Smuts of Sorghum.
  9. Texas Root-Rot of Cotton: Field Experiments in 1907.
  13. The Work of the San Antonio Experiment Farm in 1907.
  15. The Fertilizing Value of Hairy Vetch for Connecticut Tobacco Fields.
  19. The Decay of Florida Oranges while in Transit and on the Market.
  22. Farm Methods of Applying Land Plaster in Western Oregon and Western Washington.
  24. Alfalfa in Cultivated Rows for Seed Production in Semiarid Regions.
  29. Experiments with Egyptian Cotton in 1908.
  30. Improvement of the Oat Crop.
  31. Notes on the Number and Distribution of Native Legumes in Nebraska and Kansas.
  32. Moisture Content and Shrinkage in Grain.
  33. The Necessity for New Standards of Hop Valuation.
  36. The Bud-Rot of the Coconut Palm.
  37. Comparative Tests of Sugar-Beet Varieties.
  40. A Simple Method for Detecting Sulphured Barley and Oats.
  41. The South African Pipe Calabash.
  43. The Deterioration of Corn in Storage.
  45. The Utilization of Pea-Cannery Refuse for Forage.
  46. The Limitation of the Satsuma Orange to Trifoliolate-Orange Stock.
  47. Prickly Comfrey as a Forage Crop.
  48. The Present Status of the Tobacco Industry.
  49. Improvement of Pastures in Eastern New York and the New England States.
  50. Three Much-Misrepresented Sorghums.
  51. Fruit Growing for Home Use in the Central and Southern Great Plains.
  54. The Substitution of Lime-Sulphur Preparations for Bordeaux Mixture in the Treatment of Apple Diseases.
  55. American Export Corn (Maize) in Europe.
  56. Some Conditions Influencing the Yield of Hops.
  57. The Cultivation of Hemp in the United States.
  58. Experiments on the Apple with Some New and Little-Known Fungicides.
  60. Suggestions to Settlers on the Sandy Soils of the Columbia River Valley.
  61. Dry-Land Grains in the Great Basin.
  62. The Separation of Seed Barley by the Specific Gravity Method.
  63. Methods of Legume Inoculation.
  64. Agricultural Conditions in Southern New York.
  65. Grape Spraying Experiments in Michigan.
  66. Cotton Selection on the Farm by the Characters of the Stalks, Leaves, and Bolls.
  68. Handling Wheat from Field to Mill.

- Circ. 70. Additional Notes on the Number and Distribution of Native Legumes in Nebraska and Kansas.
71. Legume Inoculation and the Litmus Reaction of Soils.
72. A Moisture Tester for Grain and Other Substances and How to Use It.
73. The Distinguishing Characters of the Seeds of Quack-Grass and of Certain Wheat-Grasses.
74. The Sulphur Bleaching of Commercial Oats and Barley.
75. Agricultural Survey of Four Townships in Southern New Hampshire.
76. The Relation of Crown-Gall to Legume Inoculation.
77. A Study of the Improvement of Citrus Fruits Through Bud Selection.
78. Agricultural Observations on the Truckee-Carson Irrigation Project.
79. Winter Wheat in Western South Dakota.
80. Forage Crops for the Sand-Hill Section of Nebraska.
81. The Shrinkage of Corn in Storage.
82. Crop Plants for Paper Making.
83. Suggestions to Settlers on the Belle Fourche Irrigation Project.
86. Preliminary Report on the Klamath Marsh Experiment Farm.
88. The Picking and Handling of Peanuts.
90. Suggestions to Potato Growers on Irrigated Lands.
91. The Nematode Gallworm on Potatoes and Other Crop Plants in Nevada.
92. The Control of Cotton Wilt and Root Knot.
94. The Mangum Terrace in Its Relation to Efficient Farm Management.
96. Results of Cotton Experiments in 1911.
97. A preliminary report on Rice Growing in the Sacramento Valley.
98. Peanut Butter.
99. A Method for the Determination of the Specific Gravity of Wheat and Other Cereals.
100. Distribution of Seeds and Plants by the Department of Agriculture.
101. The Germination of Packeted Vegetable Seeds.
102. The Production of Hairy Vetch Seed.

## DOCUMENTS.

[In applying for these publications the name of the bureau as well as the number of the publication should be given, as "Bureau of Plant Industry, Document 355."]

- Doc. 355. A-52. Economize! Cut Down the Expenses of the Farm.
747. A-67. Revised. The Selection of Cotton and Corn Seed for Southern Farms.
503. A-68. Fall Breaking and the Preparation of the Seed Bed.
523. A-69. Field Instructions for Farmers' Cooperative Demonstration Work.
619. A-71. The Production of Cotton Under Boll-Weevil Conditions.
631. A-72. Farm Fertilizers.
632. A-73. Crops for Southern Farms.
644. A-74. Revised. Boys' Demonstration Work: The Corn Clubs.
741. A-75. Revised. Results of Boys' Demonstration Work in Corn Clubs in 1911.
692. A-77. Farm Fertilizers.
706. A-78. An Effective Method for Preventing the Erosion of Hill Lands.
730. A-80. The Corn Crop in the Southern States.
433. Directions for Making Window Gardens.
438. Cooperative Distribution of New Varieties of Smyrna Figs and Caprifigs.



- Doc. 452. Hints to Settlers on the Minidoka Project, Idaho.  
 457. Agricultural Conditions in Southern Texas.  
 535. Distribution of Cotton Seed in 1910.  
 537. Cooperative Distribution of New Varieties of Smyrna Figs and Capri-figs. (Second Revision.)  
 578. Suggestions for Settling Permanent Pastures with Bermuda Grass as the Basis.  
 648. The Control of Cotton Wilt and Root-Knot.  
 676. The Relation of Handling to Decay in California Navel Oranges; Season 1910-11.  
 716. Distribution of Cotton Seed in 1912.  
 756. Emergency Crops for Overflowed Lands in the Mississippi Valley.

## FARMERS' BULLETINS.

[The Farmers' Bulletins are a series of popular treatises issued by the Department of Agriculture. The following list includes only numbers contributed by the Bureau of Plant Industry. They should be applied for by number, as "Farmers' Bulletin No. 27."]

- F. B. 27. Flax for Seed and Fiber.  
 30. Grape Diseases on the Pacific Coast.  
 91. Potato Diseases and Treatment.  
 101. Millets.  
 113. The Apple and How to Grow It.  
 139. Emmer: A Grain for the Semiarid Regions.  
 140. Pineapple Growing.  
 154. The Home Fruit Garden: Preparation and Care.  
 157. The Propagation of Plants.  
 164. Rape as a Forage Crop.  
 167. Cassava.  
 174. Broom Corn.  
 175. Home Manufacture and Use of Unfermented Grape Juice.  
 176. Cranberry Culture.  
 181. Pruning.  
 185. Beautifying the Home Grounds.  
 188. Weeds Used in Medicine.  
 194. Alfalfa Seed.  
 195. Annual Flowering Plants.  
 198. Strawberries.  
 204. The Cultivation of Mushrooms.  
 213. Raspberries.  
 218. The School Garden.  
 219. Lessons from the Grain-Rust Epidemic of 1904.  
 220. Tomatoes.  
 221. Fungous Diseases of the Cranberry.  
 224. Canadian Field Peas.  
 229. The Production of Good Seed Corn.  
 231. Spraying for Cucumber and Melon Diseases.  
 232. Okra: Its Culture and Uses.  
 238. Citrus Fruit Growing in the Gulf States.  
 242. An Example of Model Farming.  
 243. Fungicides and Their Use in Preventing Diseases of Fruits.  
 245. Renovation of Worn-Out Soils.  
 246. Saccharine Sorghums for Forage.  
 248. The Lawn.

- F. B. 250. The Prevention of Stinking Smut of Wheat and Loose Smut of Oats.  
253. The Germination of Seed Corn.  
254. Cucumbers.  
255. The Home Vegetable Garden.  
271. Forage-Crop Practises in Western Oregon and Western Washington.  
272. A Successful Hog and Seed-Corn Farm.  
274. Flax Culture.  
278. Leguminous Crops for Green Manuring.  
279. A Method of Eradicating Johnson Grass.  
280. A Profitable Tenant Dairy Farm.  
282. Celery.  
283. Spraying for Apple Diseases and the Codling Moth in the Ozarks.  
284. Insect and Fungous Enemies of the Grape East of the Rocky Mountains.  
286. Comparative Value of Whole Cotton Seed and Cotton-Seed Meal in Fertilizing Cotton.  
288. Nonsaccharine Sorghums.  
289. Beans.  
291. Evaporation of Apples.  
292. Cost of Filling Silos.  
294. Farm Practice in the Columbia Basin Uplands.  
299. Diversified Farming Under the Plantation System.  
301. Home-Grown Tea.  
302. Sea Island Cotton.  
304. Growing and Curing Hops.  
306. Dodder in Relation to Farm Seeds.  
307. Roselle: Its Culture and Uses.  
310. A Successful Alabama Diversification Farm.  
312. A Successful Southern Hay Farm.  
313. Harvesting and Storing Corn.  
318. Cowpeas.  
322. Milo as a Dry-Land Grain Crop.  
323. Clover Farming on the Sandy Jack-Pine Lands of the North.  
324. Sweet Potatoes.  
325. Small Farms in the Corn Belt.  
326. Building up a Run-Down Cotton Plantation.  
331. Forage Crops for Hogs in Kansas and Oklahoma.  
333. Cotton Wilt.  
337. Cropping Systems for New England Dairy Farms.  
339. Alfalfa.  
343. The Cultivation of Tobacco in Kentucky and Tennessee.  
347. The Repair of Farm Equipment.  
354. Onion Culture.  
355. A Successful Poultry and Dairy Farm.  
357. Methods of Poultry Management at the Maine Agricultural Experiment Station.  
361. Meadow Fescue: Its Culture and Uses.  
362. Conditions Affecting the Value of Market Hay.  
364. A Profitable Cotton Farm.  
365. Farm Management in Northern Potato-Growing Sections.  
368. The Eradication of Bindweed, or Wild Morning-Glory.  
370. Replanning a Farm for Profit.  
372. Soy Beans.  
380. The Loco-Weed Disease.

- F. B. 382. The Adulteration of Forage-Plant Seeds.  
386. Potato Culture on Irrigated Farms of the West.  
395. Sixty-Day and Kherson Oats.  
398. Farm Practice in the Use of Commercial Fertilizers in the South Atlantic States.  
400. A More Profitable Corn-Planting Method.  
401. The Protection of Orchards in the Pacific Northwest from Spring Frosts by Means of Fires and Smudges.  
402. Canada Bluegrass: Its Culture and Uses.  
406. Soil Conservation.  
407. The Potato as a Truck Crop.  
414. Corn Culture.  
415. Seed Corn.  
416. The Production of Cigar-Leaf Tobacco in Pennsylvania.  
417. Rice Culture.  
420. Oats: Distribution and Uses.  
422. Demonstration Work on Southern Farms.  
424. Oats: Growing the Crop.  
426. Canning Peaches on the Farm.  
427. Barley Culture in the Southern States.  
428. Testing Farm Seeds in the Home and in the Rural School.  
431. The Peanut.  
432. How a City Family Managed a Farm.  
433. Cabbage.  
434. The Home Production of Onion Seed and Sets.  
436. Winter Oats for the South.  
437. A System of Tenant Farming and Its Results.  
440. Spraying Peaches for the Control of Brown-Rot, Scab, and Curculio.  
441. Lespedeza, or Japan Clover.  
443. Barley: Growing the Crop.  
446. The Choice of Crops for Alkali Land.  
448. Better Grain-Sorghum Crops.  
454. A Successful New York Farm.  
455. Red Clover.  
458. The Best Two Sweet Sorghums for Forage.  
460. Frames as a Factor in Truck Growing.  
462. The Utilization of Logged-Off Land for Pasture in Western Oregon and Western Washington.  
464. The Eradication of Quack-Grass.  
466. Winter Emmer.  
467. The Control of the Chestnut-Bark Disease.  
471. Grape Propagation, Pruning, and Training.  
472. Systems of Farming in Central New Jersey.  
475. Ice Houses.  
482. The Pear and How to Grow it.  
483. The Thornless Prickly Pears.  
485. Sweet Clover.  
488. Diseases of Cabbage and Related Crops and Their Control.  
489. Two Dangerous Imported Plant Diseases.  
491. The Profitable Management of the Small Apple Orchard on the General Farm.  
492. The More Important Insect and Fungous Enemies of the Fruit and Foliage of the Apple.  
494. Lawns and Lawn Soils.

## F. B. 495. Alfalfa Seed Production.

- 501. Cotton Improvement Under Weevil Conditions.
- 502. Timothy Production on Irrigated Land in the Northwestern States.
- 507. The Smuts of Wheat, Oats, Barley, and Corn.
- 508. Market Hay.
- 509. Forage Crops for the Cotton Region.
- 511. Farm Bookkeeping.

## SEPARATE REPRINTS FROM THE YEARBOOK.

[In applying for these separates the number should be given, as "Yearbook Separate No. 47."]

- Ybk. Sep. 47. Small Fruit Culture for Market.
- 89. Grass and Forage Experiment Station at Garden City, Kans., and Cooperative Branch Stations in the South.
- 90. Division of Agrostology.
- 203. Commercial Plant Introduction.
- 206. Poisonous Plants of Northern Stock Ranges.
- 266. Top Working Orchard Trees.
- 330. Promising New Fruits.
- 354. Some Uses of the Grapevine and Its Fruit.
- 361. Cotton Culture in Guatemala.
- 387. The Handling of Fruit for Transportation.
- 399. Promising New Fruits.
- 401. Progress in Drug-Plant Cultivation.
- 419. Range Management.
- 450. Promising New Fruits.
- 453. The Status of the American Lemon Industry.
- 463. Diseases of Ornamental Trees.
- 483. The Causes of Southern Rural Conditions and the Small Farm as an Important Remedy.
- 487. Types of Farming in the United States.
- 490. Intensive Methods and Systematic Rotation of Crops in Tobacco Culture.
- 496. Promising New Fruits.
- 501. The Farmers' Cooperative Demonstration Work.
- 503. Conditions Influencing the Production of Sugar-Beet Seed in the United States.
- 509. Farming as an Occupation for City-Bred Men.
- 515. Progress in Methods of Producing Higher Yielding Strains of Corn.
- 520. The Handling of Deciduous Fruits on the Pacific Coast.
- 530. Nitrogen Gathering Plants.
- 540. Increased Yields of Corn from Hybrid Seed.
- 541. The Utilization of Crop Plants for Paper Making.
- 546. Cooperation in the Handling and Marketing of Fruits.
- 549. Promising New Fruits.
- 550. The Precooling of Fruit.
- 551. Camphor Cultivation in the United States.
- 556. Seaman Asabel Knapp.
- 560. Fibers Used for Binder Twine.
- 565. Some Misconceptions Concerning Dry Farming.
- 567. Seasonal Distribution of Labor on the Farm.
- 568. Some Results of the Farmers' Cooperative Demonstration Work.

- Ybk. Sep. 572. Rotations in the Corn Belt.  
 574. The Water Economy of Dry-Land Crops.  
 579. Cotton Improvement on a Community Basis.  
 580. Plant Introduction for the Plant Breeder.  
 581. Promising New Fruits.

### DIVISION OF BOTANY.

#### INVENTORIES.<sup>1</sup>

- Inventory 1. Foreign Seeds and Plants Imported by the Section of Seed and Plant Introduction. Numbers 1-1000.  
 Inventory 2. Foreign Seeds and Plants Imported by the Section of Seed and Plant Introduction. Numbers 1001-1900.  
 Inventory 5. Foreign Seeds and Plants Imported by the Department of Agriculture, and for Distribution through the Section of Seed and Plant Introduction. Numbers 1901-2700.  
 Inventory 6. Foreign Seeds and Plants Collected in Austria, Italy, and Egypt.  
 Inventory 7. Foreign Seeds and Plants Imported by the Department of Agriculture, through the Section of Seed and Plant Introduction, for Distribution in Cooperation with the State Agricultural Experiment Stations. Numbers 2701-3400.

### DIVISION OF VEGETABLE PHYSIOLOGY AND PATHOLOGY.

#### JOURNAL OF MYCOLOGY.

[Devoted especially to the study of fungi in their relation to plant diseases.]

Vol. VI, No. 3.  
 Vol. VI, No. 4.

Vol. VII, No. 1.  
 Vol. VII, No. 2.

Vol. VII, No. 3.  
 Vol. VII, No. 4.

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<sup>1</sup> For later numbers see Bureau of Plant Industry bulletins.



