

AGRICULTURAL APPROPRIATION BILL, 1928

DECEMBER 13, 1926 — Committed to the Committee of the Whole House on the state of the Union and ordered to be printed

Mr. MAGEE of New York, from the Committee on Appropriations, submitted the following

REPORT

[To accompany H. R. 15008]

The Committee on Appropriations submits the following report in explanation of the accompanying bill making appropriations for the Department of Agriculture for the fiscal year 1928:

SCOPE OF THE BILL

The bill embraces regular annual appropriations for the various branches of the Government service under the jurisdiction of the Department of Agriculture, and the order and arrangement thereof follow the general outline submitted by the President in the Budget for the fiscal year 1928.

A detailed tabulation will be found at the end of this report giving for each appropriation in this bill the amount appropriated for the fiscal year 1927, the Budget estimates for the fiscal year 1928, together with the increase or decrease in appropriations and estimates, as compared with the amounts recommended to be appropriated in this bill.

APPROPRIATIONS AND ESTIMATES

The estimates of appropriations upon which the bill is based were submitted by the President in the Budget for the fiscal year 1928 and will be found in detail in Chapter III of that document,

pages 109-332, inclusive. The total of the estimates for regular annual appropriations for the Department of Agriculture proper, submitted for consideration in connection with this bill, is \$50,-636,576. In addition to this amount, estimates of \$7,500,000 and \$75,000,000 were submitted for the construction of forest roads and trails, and the Federal-aid highway system, respectively. These sums, aggregating \$133,136,576, represent the total of the estimates of appropriations considered by the committee in framing this bill.

The estimated permanent and indefinite appropriations for the fiscal year 1928 aggregate \$11,351,250; but inasmuch as they occur automatically each year without annual action by Congress, the committee considered only the total of the estimates for the Department of Agriculture customarily submitted for annual action by Congress, namely, \$133,136,576.

The total regular annual appropriations for the Department of Agriculture for the fiscal year 1927, in all acts, amounted to \$128,-284,573, of which \$5,000,000 was for the construction of forest roads and trails, and \$75,000,000 for the cooperative construction of roads under the provisions of the Federal highway act.

The amount recommended to be appropriated in this bill for the fiscal year 1928 is \$128,362,385, of which a total of \$77,500,000 is for road construction purposes. This sum compared with the regular annual appropriations for 1927 and the estimates for 1928, showing appropriations for departmental items proper and road construction separately, is as follows:

Object	Appropriations for 1927	Estimates for 1928	Recommended for 1928	Increase (+) or decrease (-) compared with 1927	Increase (+) or decrease (-) compared with estimates
Department proper.....	\$48, 284, 573	\$50, 636, 570	\$50, 862, 385	+\$2, 577, 812	+\$225, 815
Road construction.....	80, 000, 000	82, 500, 000	77, 500, 000	-2, 500, 000	-5, 000, 000
Total.....	128, 284, 573	133, 136, 570	128, 362, 385	+77, 812	-4, 774, 185

The foregoing tabulation shows an increase in appropriations recommended for 1928 for the Department of Agriculture proper and may largely be accounted for by the following principal items:

Additional endowment to agricultural experiment stations.....	\$480, 000
Eradication of tuberculosis.....	1, 200, 000
Blister-rust control.....	100, 000
European corn borer.....	200, 000
Japanese beetle control.....	180, 000
Crop estimating work.....	50, 000
Forest-fire cooperation.....	290, 000

Increases over the Budget recommendations have been made in several instances in the bill and will be explained elsewhere in the report in connection with the bureau or office to which they relate.

For strictly departmental activities, however, it should be noted that the accompanying bill recommends appropriations aggregating in the net \$225,815 more than the Budget estimates.

PERSONAL SERVICES IN THE DISTRICT OF COLUMBIA

The committee recommends that the restrictive provision carried in the annual supply bills for the current year, relating to expenditures for personal service in the District of Columbia in accordance with the classification act for 1923, be continued for the fiscal year 1928. In addition, the committee recommends a limitation upon the amount which may be expended for personal services in the District of Columbia by each bureau of the Department of Agriculture.

DISTRIBUTION OF FORMER "SALARIES" APPROPRIATION

The committee is effecting a readjustment of some of the items of appropriation under a number of the bureaus and offices in this bill which it feels will receive the approval of the House.

The different bureaus and offices in the agricultural bill for many, many years past have received two classes of appropriations; namely, a general salary appropriation and a number of general expense appropriations. In many instances the salary appropriation covered personal services in the District of Columbia and in the field, and the general expense appropriations included personal services in the field and in Washington. Under the general expense appropriations, the sums are granted in the terms of the particular investigation or project covered by the amount stated. The salary appropriation has been available for administrative salaries and also for personal services in connection with various projects and investigations by administrative allotment for the different purposes.

The result of this practice has been that while the appropriation bill in past years has shown on its face, under general expenses, certain amounts for specific projects or investigations, there have also been included in the bill in the salary appropriation additional allotments for the same projects or investigations. Anyone reading the bill would naturally assume that the amount stated in the bill under general expenses for a specific project or investigation was the total amount for that purpose.

A very good illustration of the practice is found in the Bureau of Agricultural Economics. An appropriation of \$775,150 was carried in the 1927 act under general expenses of that bureau for the market news service on fruits and vegetables. In addition to this specific sum, an allotment of \$279,205 was also available, and properly so, from the salary appropriation for this bureau. The total available during 1927 for the market news service on fruits and vegetables, therefore, was \$1,054,355, of which only \$775,150 appeared on the face of the bill under the general expense item dealing with that subject.

The bill as reported does away with such a division of the funds for projects and investigations, and the total amount for each activity will hereafter appear under that item in the bill.

Under the old practice the salary appropriations were increased from year to year by transfer from the various appropriations under general expenses of amounts representing the compensation of employees whose work had become more or less of a permanent activity. In this way the salary appropriations developed and increased gradually until there had been incorporated in them considerable sums for the different projects and investigations in addition to the sums therein for the pay of the general administrative forces.

In this bill the salary appropriations, as separate items, are eliminated and the proportions of them relating to specific investigations or projects are transferred and merged with the general expense items for such purposes. That part of the salary appropriations relating to general administration in the bureaus and offices are included in a separate item for general administrative purposes, appearing in the bill under the different bureaus under this language:

For necessary expenses for general administrative purposes, including the salary of chief of bureau and other personal services in the District of Columbia.

It will be found that appropriations under the above paragraph are much less than the appropriations formerly made for salaries under each bureau.

In order that Congress may be more clearly informed as to just what this recommendation of the committee may be, attention is invited to the detailed tabular statement at the end of this report. This statement sets forth in parallel columns the appropriations for 1927 for salaries and every project under each bureau of the department, the Budget estimates for 1928, then a distribution of the former "salaries" appropriation to the various projects, as well as the amount to be appropriated for administration of each of the bureaus, the total of the estimates plus the allotments of salaries, the amounts recommended to be appropriated by the committee for each project, and the increase or decrease in the committee recommendation as compared with the appropriations for 1927 and the estimates for 1928.

SECRETARY'S OFFICE

Office of Information: An increase of \$10,620 over the amount appropriated for 1927 is recommended for salaries in the Office of Information, for the purpose of paying the salaries of employees for radio service work, which consists of preparing and disseminating agricultural information to the public through the various large broadcasting stations of the country.

The sum of \$738,000 is recommended to be appropriated for printing and binding for the Department of Agriculture. This sum corresponds to the appropriation for the current fiscal year, but is \$8,000 in excess of the Budget estimates. All the printing work for the various bureaus and offices of the department, both manuscript and job, is paid from this appropriation. The following list shows the new publications, exclusive of periodicals, issued during the fiscal year 1926:

	Number of titles	Copies printed
Farmers' bulletins.....	40	3,236,885
Department bulletins.....	72	399,750
Department circulars.....	41	946,000
Secretary and miscellaneous circulars.....	30	1,014,500
Statistical bulletins.....	1	6,000
Yearbook.....	1	20,000
Yearbook separates.....	13	75,800
Soil Survey, full report.....	2	2,000
Soil Survey, advance sheets.....	28	28,000
Service and Regulatory Announcements.....	56	427,250
Journal of Agricultural Research reprints.....	188	215,010
Miscellaneous publications.....	19	76,500
Total.....	491	6,447,695

Office of experiment stations: An appropriation of \$1,920,000 is recommended in accordance with the Budget estimate for the additional endowment of agricultural experiment stations, carrying out the provisions of the Purnell Act of February 24, 1925. This sum is \$480,000 in excess of the appropriation made for this purpose for the fiscal year 1927. The Federal Government during 1928 will expend at the rate of \$3,360,000 per annum as Federal aid to State agricultural experiment stations for the promotion of research work in agriculture conducted by those institutions. The following statement shows the appropriations under each act granting Federal aid to State agricultural colleges:

Hatch Act, Mar. 2, 1887 (\$15,000 warranted directly to each State) ..	\$720,000
Adams Act, Mar. 16, 1906 (\$15,000 warranted directly to each State) ..	720,000
Purnell Act, Feb. 24, 1925 (\$40,000 warranted directly to each State) ..	1,920,000

WEATHER BUREAU

In carrying out the program of distributing the former salaries appropriation to the various lines of work in each bureau, the committee recommends that the appropriation for expenses of the Weather Bureau in Washington include the appropriation heretofore made for the maintenance of a printing office. At the same time the appropriation for traveling expenses has been distributed to the various projects and administrative appropriations.

The language of the general enabling paragraph has been amended to permit the Weather Bureau to comply with the provisions of section 5 (e) of the air commerce act of 1926.

The first deficiency act for 1926 appropriated \$168,312 for increased telegraph rates, effective July 1, 1925, to adjust prior rates in effect for a long period of years with the Western Union Telegraph Co., and which had become inequitable with the advance of all labor and material costs in this country. Owing to the fact that several companies are performing similar services under formal contracts executed in previous years, which contain provision for annual renewals without any final expiration date, the Comptroller General has held that the Secretary of Agriculture is without authority to terminate these contracts, although the inequity of such contracts is apparent. To adjust these rates with 15 companies and place them on the same basis as the Western Union Co., will cost approximately \$20,000, and the committee recommends a change in the general language of the Weather Bureau permitting the Secretary of Agriculture to terminate the inequitable contracts, so that the payment of

tolls on all similar service shall be without discrimination to any carrier.

For the investigation of atmospheric phenomena the committee recommends an appropriation of \$235,500, in accordance with the Budget estimate. This is an actual increase of \$38,600 over the amount available for the current fiscal year, and is made necessary by reason of the increased work to be performed in supplying information of use in commercial aviation. These funds provide for activities in connection with the protection of air navigation and the aid of general forecasting by means of the study and observations of the upper air. The work in the field is conducted by means of kite flights and theodolite observations on free balloons. Self-recording instruments on the kites give a record of temperature, pressure, humidity, wind velocity, and other meteorological data. Observations on free balloons show the velocity and depth of air currents. Much of the reduction and computation of data is performed in Washington.

BUREAU OF ANIMAL INDUSTRY

An actual increase of \$10,000 is recommended in the appropriation for inspection and quarantine work. The total amount to be appropriated for this work is \$689,935, which includes the sum of \$49,935 transferred from the salaries appropriation. Of the increase, it is proposed to expend \$5,000 for the inspection of animals offered for importation at Mexican border ports. The Mexican authorities have not yet succeeded in eradicating the recent outbreak of foot-and-mouth disease in southern Mexico, which is a constant menace to the livestock interests of the Southwestern States and is causing grave apprehension among the stockmen of those States. The remainder of the increase is to provide for the proper enforcement of new regulations promulgated July 1, 1926, governing the importation of fertilizers and bags, with a view to guarding more effectively against the introduction of dangerous foreign animal maladies, such as foot-and-mouth disease and rinderpest.

For the eradication of tuberculosis in animals the committee recommends an appropriation of \$5,964,000 for the fiscal year 1928. Of this sum \$1,086,000 is to be expended for operating expenses and \$4,878,000 for the payment of indemnities. This latter sum represents an increase of \$1,200,000 over the appropriations available for the same purpose for the current fiscal year. For the purpose of providing funds in those States where the Federal allotment for the current fiscal year is about to be exhausted, the committee recommends that \$1,192,000 of the appropriation be made immediately available.

Several changes in the language of the paragraph are recommended by the committee, to enable the Bureau of Animal Industry to condemn paratuberculous cattle. Paratuberculosis, a disease which stimulates intestinal tuberculosis of cattle, has been reported from four or five States. It is necessary to destroy immediately cattle found to be suffering from this disease before it becomes firmly implanted. Further changes are recommended with reference to the payment of indemnity for animals which after having been condemned and appraised have died from natural or other causes. The Comptroller General has declined to allow the claims of owners for indemnity in such instances for the reason that the Government has

not "destroyed" the cattle within the meaning of the provision making the appropriation. Inasmuch as the animals in such cases which have reacted to the tuberculin test have been condemned, appraised, and surrendered by the owners in good faith, it is believed that language should be included to permit the payment of indemnity therefor.

BUREAU OF PLANT INDUSTRY

For investigations relating to forest pathology the committee recommends an actual increase of \$11,905, to be expended for investigations relating to blight resistant chestnuts. Because of the increasing scarcity of chestnut forest products, a critical situation is rapidly approaching in the American tanning industry. The chestnut forests provide one-half of the tanning materials commercially available within the United States, and with the steadily advancing destruction from chestnut blight, it is estimated that the stands of chestnut will all be dead or seriously affected within the next 15 years.

The committee recommends the appropriation of \$471,520 for the control of the white-pine blister rust. This sum represents an actual increase of \$100,000 over the amount available for the current fiscal year, and is to be expended in the western United States. Because the Federal Government owns approximately 50 per cent of the total white pine in the Western States, an increased appropriation from the Federal Treasury is necessary to combat the ravages of this disease. It is estimated by the Forest Service that the present stand of commercial white pine in the Western States is 57,000,000,000 board feet, valued at approximately \$322,500,000. The following statement shows blister-rust expenditures for the fiscal year 1926, and estimated expenditures for 1927:

Blister rust expenditures fiscal year 1926 and estimated expenditures 1927

	Federal		State	
	1926	1927	1926	1927
East	\$205,339.14	\$208,280	\$174,503.13	\$194,000
West	133,257.21	160,000	59,630.00	74,130
Total	338,596.35	368,280	234,133.13	268,130

For cereal investigations, including the eradication of barberry bushes, the committee recommends an appropriation of \$707,860, which sum includes \$37,860 transferred from the salaries appropriation. The appropriation recommended is \$29,340 in excess of the Budget estimates, \$25,000 of which is to be expended in the barberry eradication campaign. From the beginning of the campaign to the present time, nearly 13,500,000 common barberry bushes have been destroyed. About 860 counties out of 900 have been covered by first survey and 200 counties have been covered again in a second complete survey, and it probably will be necessary to cover at least 500 more counties in this way. The second survey is much slower and more expensive than the first because it covers much larger areas of woodland and thickets which are slow and difficult to survey. The fol-

lowing statements show Federal and State expenditures in the barberry eradication campaign:

FEDERAL AND STATE EXPENDITURES

Federal expenditures and aid furnished by State and other cooperative agencies to the barberry eradication campaign for the fiscal years 1918-1926, with estimates for the fiscal year 1927

Fiscal year	Federal	State
1918-1926.....	\$2,176,349.44	\$564,600
1927.....	375,000.00	88,197
Total.....	2,551,349.44	652,887

AMOUNTS FURNISHED BY THE STATES

State or agency	Fiscal year	
	1927	Total, 1918-1927
Colorado.....	\$5,060	\$14,885
Illinois.....	6,000	33,867
Indiana.....	2,750	27,250
Iowa.....	6,100	40,094
Michigan.....	7,060	39,290
Minnesota.....	7,750	84,150
Montana.....	3,500	14,181
Nebraska.....	3,100	21,731
North Dakota.....	6,100	44,213
Ohio.....	7,350	33,412
South Dakota.....	8,977	38,504
Wisconsin.....	4,150	28,400
Wyoming.....	300	1,920
Conference on prevention of grain rust.....	20,000	230,000
Total.....	88,197	652,887

The sum of \$171,255 is recommended for investigations relating to sugar plants. This sum is \$10,000 in excess of the estimate submitted in the Budget and is to be used in development of disease-resistant varieties of sugar cane. Certain mosaic disease-resistant varieties of cane have been brought into the country under this activity and are now available in sufficient quantity for commercial growing and extraction tests. Inasmuch as these varieties are not comparable either in size or in sugar content with the kinds now grown in the United States, the increase recommended is to enable the Bureau of Plant Industry to continue breeding experiments with a view to obtaining a variety of sugar cane comparable with varieties now grown, but which shall be resistant to the mosaic disease.

FOREST SERVICE

For miscellaneous forest wages and general administration the committee recommends an appropriation of \$127,027 in excess of the amount available for similar purposes for the current fiscal year. It is proposed that of this increase \$77,285 will be used for the prevention of forest fires, \$60,000 of which will be for the employment of additional fire guards at points where experience has shown that they are badly needed. For the administration of grazing lands an increase of \$6,000 is recommended; \$2,190 for reforestation by planting; \$835 for the construction of roads, trails, telephone lines, etc.; and \$40,717 for the administration of commercial timber sales. The

timber sales for the last fiscal year reached a cut of 1,192,000,000 board feet, with receipts of \$3,366,000. The following statement gives the receipts from national forests from all sources, by States, for the fiscal year 1926:

Receipts from the national forests, fiscal year 1926

	Timber	Grazing	Water power	Other	Total
Alabama.....	\$83.50	\$20.37		\$277.50	\$381.37
Alaska.....	93,542.81		\$1,513.60	18,291.16	113,347.75
Arizona.....	101,178.43	4,876.57	5,925.91	17,807.70	129,788.61
Arkansas.....	93,676.71	248.91		517.56	94,443.18
California.....	927,202.94	179,468.01	60,343.13	113,547.47	1,280,561.55
Colorado.....	135,333.08	252,042.69	4,840.92	19,572.49	411,789.18
Florida.....	28,631.29	735.07		152.68	29,519.04
Georgia.....	4,012.90	128.61		5,125.22	10,166.73
Idaho.....	534,490.88	239,768.05	1,662.23	5,342.13	781,263.29
Kentucky.....				1,661.00	1,661.00
Maine.....	2,315.65	10.88		81.83	2,408.36
Michigan.....	602.25			182.28	784.53
Minnesota.....	40,630.77			8,608.92	49,239.69
Montana.....	82,614.34	126,106.94	11,186.15	12,476.95	232,384.38
Nebraska.....	4.75	8,081.85		135.22	8,171.82
Nevada.....	3,202.94	89,335.47	576.33	2,193.61	95,308.35
New Hampshire.....	29,362.28	137.94		1,037.58	30,537.80
New Jersey.....		43.20		110.00	153.20
New Mexico.....	24,992.15	36,835.93	30.00	10,464.39	72,322.47
North Carolina.....	12,119.76	447.18		4,868.04	17,434.98
Oklahoma.....	117.00	3,771.85		4,454.31	8,343.16
Oregon.....	601,695.99	160,777.28	1,331.73	13,346.05	777,151.05
Pennsylvania.....	1,821.81			52.00	1,873.81
South Carolina.....	2,009.26	53.82		320.21	2,383.29
South Dakota.....	93,584.95	16,883.07	358.36	5,596.74	116,423.12
Tennessee.....	14,334.14	81.19		1,233.79	15,649.12
Utah.....	15,132.03	131,334.02	3,475.24	3,528.81	153,470.10
Virginia.....	34,104.99	826.88		3,197.57	38,129.44
Washington.....	347,486.29	43,061.29	3,367.09	10,523.73	404,438.40
West Virginia.....	3,483.94	627.28		904.01	5,015.23
Wyoming.....	138,017.53	125,934.35	107.89	7,057.43	271,117.20
Total.....	3,366,685.36	1,421,588.70	94,718.58	272,668.38	5,155,661.02

An increase of \$60,000 is recommended for silvical investigations, to be immediately available for the establishment of forest experiment stations in the Ohio-Mississippi Valley and in Pennsylvania and neighboring States, both of which are authorized by acts of Congress. In order that the forest lands in these regions may be made fully productive, the establishment of the stations for forest research is necessary to work out the basic principles of timber-growing production.

BUREAU OF CHEMISTRY AND SOILS

In accordance with the recommendation of the Secretary of Agriculture and the Budget, the committee recommends the establishment of a Bureau of Chemistry and Soils in the Department of Agriculture, which will take over all the research work of the department on chemistry and soils. To the new bureau will be transferred all of the present Bureau of Soils; all of the present Bureau of Chemistry, except those units having to do with the enforcement of the food and drugs act, tea act, naval stores act, and collaboration with other departments; and the soil-bacteriology and soil-fertility investigations of the Bureau of Plant Industry.

Under this consolidation the committee recommends appropriations in an amount equal to the appropriations for the current fiscal year for each of the various projects of the Bureau of Chemistry and Soils, with the exception of an increase of \$10,200 for investigations relating to plant-dust explosions and fires. It is proposed that this increase shall be expended in the study and investigation of farm fires, from which the losses during the last fiscal year are estimated at \$150,000,000, with the loss of 3,500 lives. Heretofore no specific authority or funds have been provided for work of this character, and the language of the paragraph has been amended accordingly.

BUREAU OF ENTOMOLOGY

For the study of southern field crop insects the committee recommends an appropriation of \$292,340, an increase of \$31,510 over the Budget estimates. It is proposed that the increase will be expended in studies and experiments relating to the cotton hopper, a potential pest of great importance. Only during the past year has the Bureau of Entomology been able to study this pest, and but one insecticide has so far been developed.

The committee recommends an increase of \$20,000 over the Budget estimates for the prevention of the spread of moths, making a total appropriation of \$670,000 available for the fiscal year 1928. This sum is equal to the appropriation for the current year. The extermination of the gypsy moth is sought in its present restricted area in the State of New Jersey as well as the extermination of isolated colonies in the barrier zone, a strip of territory averaging 25 to 30 miles in width along the western border of the New England States and the area in New York east of the Hudson River. This strip extends from Long Island Sound to the Canadian border. Artificial destruction of the gypsy moth is accomplished by application of a creosote mixture to the egg clusters; and parasites have been introduced and results carefully studied, with experiments being conducted to develop better methods of control. A rigid quarantine is enforced to prevent long-distance spread through shipments from the infested territory to points outside. The States are cooperating in this work, and there is submitted herewith a statement showing expenditures by the States for the calendar year 1925:

Expenditures by States, Dominion of Canada, and the Province of Quebec for gypsy moth work during calendar year 1925

Maine: Expended from State appropriation.....	\$14, 575. 30
New Hampshire: Expended from State appropriation.....	9, 369. 77
Vermont: Expended from State appropriation.....	6, 000. 00
Massachusetts:	
Expended from State appropriation.....	108, 413. 32
Expended by other State departments and municipalities.....	81, 269. 77
Expended by corporations and individuals.....	150, 000. 00
Rhode Island: Expended from State appropriation.....	15, 000. 00
Connecticut: Expended from State appropriation.....	52, 186. 83
New York: Expended from State appropriation.....	163, 622. 15
New Jersey: Expended from State appropriation.....	99, 501. 86
Total.....	709, 939. 00
Dominion of Canada.....	21, 770. 12
Province of Quebec.....	10, 000. 00
Total.....	741, 709. 12

For the prevention of the spread of the European corn borer the committee recommends an appropriation of \$685,120, which sum corresponds with the estimate of the Secretary of Agriculture. To meet urgent requirements, \$50,000 is made immediately available. Recent field surveys have not only determined that this formidable pest has invaded two additional States (Indiana and West Virginia) but that it has spread to some 20,000 square miles of additional territory in New York, Pennsylvania, West Virginia, Ohio, and Michigan, and that the number of borers present has greatly increased during the year. The encroachment of the pest on the eastern edge of the Corn Belt presents an emergency requiring the immediate establishment of quarantine lines on all principal highways at the edge of infested regions, increased scout and patrol work, the accurate delimitation of the infested areas, and the expansion of research as to the biology of the insect in newly infested areas and the establishment of parasites where needed.

For Japanese beetle control the committee recommends an appropriation of \$465,000, an increase of \$180,000 over the amount available for 1927, and \$25,000 more than the Budget estimates. Operations under this appropriation are divided into two lines of work, first, research, which consists of thorough biologic studies of the beetle, the effectiveness of insecticides, with especial emphasis on the importation of parasites from abroad. Twelve different species of parasites have been found, one of which has been established in this country and is doing good work. The second line of work under this appropriation consists of control operations, which include the inspection and certification of farm products and nursery and florist stock. To maintain the quarantine line, extensive scouting to determine the spread of the beetle is done during the period of its flight from June to October.

BUREAU OF BIOLOGICAL SURVEY

Appropriations for the Bureau of Biological Survey are recommended by the committee in accordance with the Budget estimates, and are equal to the amounts available for each of the projects for the current fiscal year, with the exception of an increase of \$15,000 in the appropriation for economic studies of birds and animals. Upon information furnished the committee by representatives of associations of breeders of fur-bearing and meat-producing animals, the committee recommends that the increase of \$15,000 be devoted to further studies and investigations of the breeding and diseases of these animals. The ravages of distemper cause enormous losses in the fox-breeding industry and is one of the diseases which must carefully be studied by the department.

BUREAU OF AGRICULTURAL ECONOMICS

Appropriations for the Bureau of Agricultural Economics are recommended by the committee in accordance with the estimates submitted in the Budget, with the exception of an increase of \$50,000 for crop and live stock estimating work. The language of the paragraph provides for the collection, compilation, and publication of data relating to agriculture, including crop and livestock estimates, acreage, yield, grades, stock, etc. Production estimates on cotton as now issued include all grades of cotton and the report does not give

an estimate of the quantity of tenderable cotton that may be produced. The purpose of the increase, therefore, is to enable the Bureau of Agricultural Economics, when issuing cotton production reports, to give also the estimate of the various grades of cotton being produced, in the same manner as is now done for other agricultural commodities.

An increase of \$11,245 over the amount available for the current fiscal year is recommended for the market inspection of perishable farm products. This increase will be used in employing two additional inspectors for fruits and vegetables, one additional inspector for eggs, and one for meats. The demands for inspection of all of these products far exceeds the ability of the bureau to furnish the service, and inasmuch as this service is practically self-sustaining, the committee feels it should be extended to meet every demand.

GRAIN FUTURES ADMINISTRATION

An appropriation of \$135,000 is recommended by the committee for the enforcement of the grain futures act. The sum recommended is \$13,470 in excess of the appropriations available for 1927, and the purpose of the increase is to provide a branch office at New York to take care of the work resulting from the recent designation of the New York Produce Exchange as a contract market under the grain futures act. Approximately 15 per cent of the total volume of trade in grain futures in the United States originates in New York territory. This likewise includes the greater portion of of the European business which feeds our markets, and a close supervision of all transactions is essential in connection with the enforcement of the act.

FOOD, DRUG, AND INSECTICIDE ADMINISTRATION

Following the plan of the Secretary of Agriculture and the Budget, the committee recommends in connection with the consolidation in the Bureau of Chemistry and Soils of all the research work of the department on chemistry and soils, the establishment of a regulatory unit, to be known as the Food, Drug, and Insecticide Administration, to take over the law enforcement activities of the present Bureau of Chemistry and the Insecticide and Fungicide Board, including the work under the food and drug act, tea act, naval stores act, collaboration with other departments of the Government in the administration of various laws requiring analytical work for their proper enforcement, and the enforcement of the insecticide act.

Appropriations for the Food, Drug, and Insecticide Administration are recommended in accordance with the estimates submitted in the Budget. An increase of \$10,000 over the amount available for 1927 is recommended for the enforcement of the naval stores act. The work to be undertaken under this increase will consist of grading naval stores, done at the request of the party using the stores. Inasmuch as a small fee is charged for this service, the increase will practically be covered back into the Treasury as miscellaneous receipts.

An enabling paragraph has been inserted at the end of the section pertaining to the Food, Drug, and Insecticide Administration, in order that the powers and duties heretofore conferred on the Bureau of

Chemistry by the food and drugs act and other laws, and on the Insecticide and Fungicide Board by the insecticide act, may be exercised by the Food, Drug, and Insecticide Administration, which unit will take over the regulatory work of the Bureau of Chemistry and the Insecticide and Fungicide Board when these two units cease to exist.

MISCELLANEOUS ITEMS

FOREST-FIRE COOPERATION

In accordance with the estimate of the Budget the committee recommends an appropriation of \$1,000,000 for forest-fire cooperation. This sum represents an increase of \$290,000 over the amount appropriated for the current fiscal year, and will be used to increase the allotment to States which are cooperating with the Federal Government in fire protection, and to make initial allotments to additional States which are qualifying for such cooperation. This increase will enable the Government to more nearly carry out its obligations under the policy laid down by the Clarke-McNary Act which provides that the Federal Government will carry 25 per cent of the cost of adequate protection of forest lands to the extent that States and private owners are organized and financed to handle the remaining 75 per cent of the cost.

DAIRYING AND LIVESTOCK EXPERIMENT STATION, MANDAN, N. DAK.

The committee recommends a new paragraph of appropriation carrying \$25,000 for the purpose of establishing a dairying and livestock experiment station at Mandan, N. Dak., in accordance with the provisions of the act of July 3, 1926. The purpose of the work at this station is to study the best practices of crop growing for a dairy herd and the feeding and management of cattle under conditions existing in that region, and to serve as a demonstration farm where dairymen of that locality may observe the practices adopted as a result of these studies.

PASSENGER-CARRYING VEHICLES

Contrary to the recommendation of the Budget the committee recommends that the amounts available from lump-sum appropriations for the purchase of passenger-carrying vehicles for the fiscal year 1927 be continued in the same amount for the fiscal year 1928. The paragraph carries no appropriation, but limits the amount that may be expended from the various appropriations of the department for the purchase, maintenance, etc., of passenger-carrying vehicles in compliance with existing law.

FOREST ROADS AND TRAILS

The committee recommends an appropriation of \$6,500,000 for the fiscal year 1928 for the construction of forest roads and trails. This sum is \$1,500,000 in excess of the appropriation for the current fiscal year, but is \$1,000,000 less than the Budget estimate. The Federal highway act specifies that not to exceed \$3,000,000 of the amount authorized to be appropriated for any one year may be expended for forest road development, the remainder of the authorization to be

expended for forest highways. The act likewise provides that contributions for these two lines of work may be accepted, but shall not be required, and the committee after careful investigation, having ascertained all the sums available for this work, recommends a decrease of \$1,000,000 in the estimate. The following statement shows expenditures for road and trail work by years and funds:

Fiscal years	Total forest road funds	Cooperative funds	Other Government funds	Grand total
1926-----	\$10,031,317.99	\$1,702,485.27	\$127,756.31	\$11,861,559.57
1925-----	10,437,023.42	2,291,324.81	106,389.80	12,834,738.03
1924-----	9,385,666.55	2,067,944.63	106,491.47	11,560,102.65

It will be seen from the foregoing that expenditures for the past several years are far in excess of the authorizations for any one year, and the committee is of the opinion that appropriations and expenditures should be brought to the amount of the authorization for any one year. To accomplish this purpose the committee has made the reduction above referred to, and to further inform Congress as to the actual and estimated expenditures for the fiscal years 1925, 1926, and 1927, submits the following statement showing the amounts available for expenditure from all sources:

Forest roads and trails, actual and estimated expenditures

FISCAL YEAR 1925

Acts of Congress	Balance July 1, 1924	Total avail- able for fiscal year 1925	Program under supervi- sion of—	
			Bureau of Public Roads	Forest Service
Federal forest road construction (act of Feb. 28, 1919)-----	\$239,368.72	\$239,368.72	\$62,454.77	\$20,180.14
Roads and trails for States, national forest funds, (act of Mar. 4, 1913)-----	507,662.83	1,028,402.12	60,465.54	458,223.74
Cooperative construction roads and trails (act of July 11, 1916)-----	1,454,816.48	2,454,816.48	1,384,050.06	23,344.92
Forest highways and development (act of Nov. 9, 1921)-----	7,803,497.60	14,303,497.60	5,608,233.04	2,820,071.21
Total Federal funds-----	10,005,345.63	18,026,084.92	7,115,203.41	3,321,820.01
Cooperative funds-----	-----	2,603,347.64	1,897,998.09	393,326.72
Total-----	-----	20,629,432.56	9,013,201.50	3,715,146.73

FISCAL YEAR 1926

Acts of Congress	Balance July 1, 1925	Total avail- able for fiscal year 1926	Program under supervi- sion of—	
			Bureau of Public Roads	Forest Service
Federal forest road construction (act of Feb. 28, 1919)-----	\$156,733.81	\$156,733.81	\$14,669.17	\$18,532.64
Roads and trails for States, national forest funds (act of Mar. 4, 1913)-----	509,712.84	1,006,894.41	7,934.94	670,000.94
Cooperative construction roads and trails (act of July 11, 1916)-----	1,047,421.50	2,047,421.50	779,811.45	87,290.45
Forest highways and development (act of Nov. 9, 1921)-----	5,875,193.35	9,650,193.35	5,380,109.00	3,072,969.40
Total Federal funds-----	7,589,061.50	12,861,243.07	6,182,524.56	3,848,793.43
Cooperative funds-----	1,312,022.83	1,912,689.22	1,355,292.55	347,192.72
Total-----	7,901,084.33	14,773,932.29	7,537,817.11	4,195,986.15

¹ For Bureau of Public Roads only.

² For Bureau of Public Roads work plus Forest Service expenditures for year.

Forest roads and trails, actual and estimated expenditures—Continued

FISCAL YEAR 1927, ESTIMATED

Acts of Congress	Balance July 1, 1926	Total avail- able for fiscal year 1927	Program under supervi- sion of—	
			Bureau of Public Roads	Forest Service
Federal forest road construction (act of Feb. 28, 1919).....	\$123, 532	\$123, 532	\$14, 000	\$28, 251
Roads and trails for States, national forest funds (act of Mar. 4, 1913).....	328, 958	843, 168	20, 000	623, 366
Cooperative construction roads and trails (act of July 11, 1916).....	1, 180, 320	1, 180, 320	800, 000	96, 877
Forest highways and development (act of Nov. 9, 1921).....	1, 197, 115	1 9, 197, 115	5, 682, 000	3, 515, 115
Total Federal funds.....	2, 829, 925	11, 344, 135	6, 516, 000	4, 263, 609
Cooperative funds.....	210, 203	1, 700, 000	1, 350, 000	350, 000
Total.....	3, 040, 128	13, 044, 135	7, 866, 000	4, 613, 609

¹ Includes \$3,000,000 supplemental appropriation requested to pay contracts entered into under previous authorizations.

FEDERAL-AID HIGHWAY SYSTEM

For carrying out the provisions of the Federal-aid highway act the committee recommends an appropriation of \$71,000,000, which sum is \$4,000,000 less than the Budget estimate and the amount available for the fiscal year 1927. Various acts have authorized appropriations for this work aggregating \$840,000,000, and appropriations to date amount to \$591,200,000, leaving to be appropriated a balance of \$248,800,000.

Expenditures to the end of the fiscal year 1926 aggregated \$510,161,732.16, leaving an unexpended balance available for expenditure during 1927 of \$81,038,267.84. It is estimated that expenditures during the current fiscal year will aggregate approximately \$78,000,000, which amount, deducted from the unexpended balance on hand would leave the sum of \$3,038,267.84 available for expenditure during the fiscal year 1928. It is estimated by the Bureau of Public Roads that expenditures for 1928 will be less than for the current year, and the sum of \$75,000,000 is approximated as the expenditure for the ensuing year. The unexpended balance, plus the appropriation of \$71,000,000 recommended in the accompanying bill, will make a total available for 1928 of \$74,038,267.84, or approximately the amount estimated to be necessary by the officials in charge of the work.

The following statements show the Federal highway program at the end of the fiscal year 1926 and the payments to States during that year, as well as the apportionment of Federal aid for the fiscal year 1927:

Federal highway program as of June 30, 1926 (miles)

Types	Completed	Under construction	Approved for construction	Total
Graded and drained.....	9,653.7	3,635.6	1,098.8	14,438.1
Sand-clay.....	4,926.2	484.9	44.4	5,455.5
Gravel.....	22,547.3	2,945.2	606.9	26,099.4
Water-bound macadam.....	1,123.3	200.2	12.5	1,336.0
Bituminous macadam.....	3,176.3	647.2	55.9	3,879.4
Bituminous concrete.....	1,626.1	167.9	7.1	1,801.1
Portland cement concrete.....	11,976.6	2,716.4	632.1	15,325.1
Brick.....	752.0	66.0	1.5	819.5
Bridges.....	121.6	48.4	10.7	180.7
Total.....	55,902.8	10,961.8	2,469.5	69,334.1

	Total cost	Federal aid	Miles
Completed.....	\$1,051,403,098.05	\$463,554,553.90	55,902.8
Under construction.....	262,403,402.45	111,151,623.71	10,961.8
Approved for construction.....	56,029,887.36	22,899,821.04	2,469.5
Total.....	1,369,836,387.86	597,605,998.65	69,334.1

Payments to States during 1926 and apportionment of Federal aid to States for 1927

State	Paid during fiscal year 1926	Apportionment, fiscal year 1927
Alabama.....	\$1,966,619.02	\$1,540,799.00
Arizona.....	558,251.42	1,055,908.00
Arkansas.....	1,710,136.62	1,267,907.00
California.....	3,287,067.83	2,484,706.00
Colorado.....	1,468,873.84	1,380,384.00
Connecticut.....	179,493.71	473,428.00
Delaware.....	317,922.17	365,625.00
Florida.....	836,169.33	897,185.00
Georgia.....	2,546,473.57	1,981,189.00
Idaho.....	1,211,467.29	936,589.00
Illinois.....	2,061,553.20	3,175,616.00
Indiana.....	2,998,195.55	1,935,890.00
Iowa.....	1,179,173.37	2,060,469.00
Kansas.....	2,010,983.12	2,072,166.00
Kentucky.....	1,629,262.22	1,416,809.00
Louisiana.....	738,714.02	1,000,764.00
Maine.....	428,522.80	683,674.00
Maryland.....	982,038.88	634,624.00
Massachusetts.....	1,053,331.47	1,089,055.00
Michigan.....	2,798,228.48	2,217,418.00
Minnesota.....	2,294,445.91	2,130,168.00
Mississippi.....	1,554,835.53	1,293,203.00
Missouri.....	4,015,329.72	2,406,847.00
Montana.....	659,904.88	1,551,060.00
Nebraska.....	1,863,988.80	1,588,138.00
Nevada.....	1,453,240.19	948,318.00
New Hampshire.....	298,143.45	365,625.00
New Jersey.....	2,087,825.66	934,708.00
New Mexico.....	1,020,042.23	1,187,264.00
New York.....	4,664,044.52	3,647,166.00
North Carolina.....	3,082,882.17	1,708,554.00
North Dakota.....	925,094.42	1,193,720.00
Ohio.....	2,472,310.12	2,777,037.00
Oklahoma.....	2,887,622.14	1,752,245.00
Oregon.....	1,656,072.98	1,182,945.00
Pennsylvania.....	5,772,232.58	3,346,920.00
Rhode Island.....	285,490.94	365,625.00
South Carolina.....	1,810,458.33	1,051,993.00
South Dakota.....	1,828,659.29	1,222,198.00
Tennessee.....	2,364,696.15	1,618,419.00
Texas.....	5,284,156.01	4,426,917.00
Utah.....	1,081,703.45	848,251.00
Vermont.....	415,055.81	365,625.00
Virginia.....	2,514,371.36	1,445,852.00
Washington.....	1,430,361.90	1,130,080.00
West Virginia.....	1,096,945.39	793,936.00
Wisconsin.....	1,700,875.89	1,870,262.00
Wyoming.....	1,212,767.42	935,594.00
Hawaii.....	57,899.37	365,625.00
Total.....	87,754,534.57	73,125,000.00

AGRICULTURAL APPROPRIATION BILL, 1928

A comparative statement of the amounts appropriated for 1927, the Budget estimates for 1928, and the amounts recommended to be appropriated in the accompanying bill for 1928, as well as a distribution of the former appropriation for "salaries"

Object	Appropriations for 1927 in the agricultural, deficiency, and other acts	Estimates for 1928 regular annual and supplemental	Distribution of former "salaries" appropriation plus (+) or minus (-)	Total of estimates for 1928, including "salaries" distribution	Amount recommended in the bill for 1928	Increase (+) or decrease (-), bill compared with 1927 appropriation	Increase (+) or decrease (-), bill compared with 1928 estimates after "salaries" distribution
OFFICE OF THE SECRETARY							
Salaries.....	\$665,960.00	\$657,000.00	-----	\$657,000.00	\$657,000.00	-\$8,960.00	-----
Compensation, mechanical shops, and power plant.....	92,000.00	91,000.00	-----	91,000.00	91,000.00	-1,000.00	-----
Miscellaneous expenses.....	180,000.00	143,000.00	-----	143,000.00	143,000.00	-37,000.00	-----
Rent of buildings in District of Columbia.....	195,366.00	180,366.00	-----	180,366.00	180,366.00	-15,000.00	-----
Total Secretary's Office.....	1,133,326.00	1,071,366.00	-----	1,071,366.00	1,071,366.00	-61,960.00	-----
Offices of Information:							
Salaries.....	331,380.00	377,000.00	-----	377,000.00	377,000.00	+10,620.00	-----
General expenses, labor-saving material and machinery.....	35,000.00		-----				+ \$8,000.00
Printing and binding.....	738,000.00	730,000.00	-----	730,000.00	738,000.00		
Horse and cattle books.....	200,000.00		-----			-200,000.00	-----
Total, office of information.....	1,304,380.00	1,107,000.00	-----	1,107,000.00	1,115,000.00	-189,380.00	+8,000.00
LIBRARY							
Salaries.....	54,680.00	54,680.00	}-----	84,180.00	84,180.00		-----
General expenses.....	29,500.00	29,500.00					-----
Total.....	84,180.00	84,180.00	-----	84,180.00	84,180.00		-----

A comparative statement of the amounts appropriated for 1927, the Budget estimates for 1928, and the amounts recommended to be appropriated in the accompanying bill for 1928, as well as a distribution of the former appropriation for "salaries"—Continued

Object	Appropriations for 1927 in the agricultural, deficiency, and other acts	Estimates for 1928 regular annual and supplemental	Distribution of former "salaries" appropriation (plus (+) or minus (-))	Total of estimates for 1928, including "salaries" distribution	Amount recommended in the bill for 1928	Increase (+) or decrease (-), bill compared with 1927 appropriation	Increase (+) or decrease (-), bill compared with 1928 estimates after "salaries" distribution
Office of Experiment Stations:							
Salaries and general expenses—							
Salaries.....	\$35,386.00	\$35,386.00	—\$35,386.00			—\$35,386.00	
General expenses—							
Agricultural experiment stations.....	1,440,000.00	1,440,000.00		\$1,440,000.00	\$1,440,000.00		
Additional endowment.....	1,440,000.00	1,920,000.00		1,920,000.00	1,920,000.00	+480,000.00	
Administration of stations.....	89,180.00	89,180.00	+35,386.00	124,566.00	124,566.00	+35,386.00	
Agricultural experiment stations—							
Alaska.....	76,240.00	76,240.00		76,240.00	76,240.00		
Hawaii.....	54,940.00	54,940.00		54,940.00	54,940.00		
Porto Rico.....	56,460.00	56,460.00		56,460.00	56,460.00		
Guam.....	24,160.00	25,000.00		25,000.00	25,000.00	+840.00	
Virgin Islands.....	22,180.00	25,000.00		25,000.00	22,180.00		—\$2,820.00
Total, office of experiment stations.....	3,238,546.00	3,722,206.00		3,722,206.00	3,719,386.00	+480,840.00	—2,820.00

Extension service:

Salaries and general expenses—

Salaries.....	134, 103.00	134, 300.00	-134, 300.00			-134, 103.00	
Administration ¹			+2, 000.00	2, 000.00	11, 540.00	+11, 540.00	+9, 540.00
Farmers' cooperative demonstrations.....	1, 308, 540.00	1, 300, 000.00	+124, 000.00	1, 424, 000.00	1, 424, 000.00	+115, 460.00	
Cooperative agricultural extension work.....	1, 300, 000.00	1, 300, 000.00		1, 300, 000.00	1, 300, 000.00		
Demonstrations on reclamation projects.....	38, 640.00	38, 640.00		38, 640.00	38, 640.00		
Agricultural exhibits at fairs.....	99, 745.00	95, 000.00	+8, 300.00	103, 300.00	103, 300.00	+3, 555.00	
General administrative expenses.....	9, 540.00	9, 540.00		9, 540.00		-9, 540.00	-9, 540.00
Total, extension service.....	2, 890, 568.00	2, 877, 480.00		2, 877, 480.00	2, 877, 480.00	-13, 088.00	
Grand total, office of the Secretary.....	8, 651, 000.00	8, 862, 232.00		8, 862, 232.00	8, 867, 412.00	+216, 412.00	+5, 180.00

WEATHER BUREAU

Salaries and general expenses:

Salaries.....	452, 957.00	448, 000.00	-448, 000.00			-452, 957.00	
General expenses—							
Administration.....			+125, 000.00	125, 000.00	127, 000.00	+127, 000.00	+2, 000.00
Central office expenses.....	158, 500.00	158, 500.00	+147, 500.00	306, 000.00	319, 000.00	+160, 500.00	+13, 000.00
Printing office ²	10, 000.00	10, 000.00		10, 000.00		-10, 000.00	-10, 000.00
Station salaries and expenses.....	1, 787, 073.00	1, 744, 000.00	+158, 000.00	1, 902, 000.00	1, 922, 000.00	+134, 927.00	+20, 000.00
Frost-warning investigations.....	27, 500.00	27, 500.00		27, 500.00	31, 500.00	+4, 000.00	+4, 000.00
Traveling expenses ¹	28, 650.00	35, 000.00				-28, 650.00	-35, 000.00
Investigating atmospheric phenomena.....	179, 400.00	218, 000.00	+17, 500.00	235, 500.00	241, 500.00	+62, 100.00	+6, 000.00
Total.....	2, 644, 080.00	2, 641, 000.00		2, 641, 000.00	2, 641, 000.00	-3, 080.00	

¹ Includes appropriations heretofore made for administrative expenses.

² Included in the appropriations for "Central Office Expenses."

A comparative statement of the amounts appropriated for 1927, the Budget estimates for 1928, and the amount recommended to be appropriated in the accompanying bill for 1928, as well as a distribution of the former appropriation for "salaries"—Continued

Object	Appropriations for 1927 in the agricultural, deficiency, and other acts	Estimates for 1928 regular annual and supplemental	Distribution of former "salaries" appropriation (plus (+) or minus (-))	Total of estimates for 1928, including "salaries" distribution	Amount recommended in the bill for 1928	Increase (+) or decrease (-), bill compared with 1927 appropriation	Increase (+) or decrease (-), bill compared with 1928 estimates after "salaries" distribution
BUREAU OF ANIMAL INDUSTRY							
Salaries and general expenses:							
Salaries.....	\$641,000.00	\$630,000.00	-\$630,000.00			-\$641,000.00	
General expenses—							
Administration (1).....			+137,315.00	\$137,315.00	¹ \$161,315.00	+161,315.00	+\$24,000.00
Inspection and quarantine.....	630,000.00	640,000.00	+49,935.00	689,935.00	689,935.00	+59,935.00	
Eradication of tuberculosis—							
Administrative expenses.....	975,000.00	975,000.00	+111,000.00	1,086,000.00	1,086,000.00	+111,000.00	
Indemnities.....	3,678,000.00	4,878,000.00		4,878,000.00	4,878,000.00	+1,200,000.00	
Eradicating cattle tick.....	699,450.00	675,000.00	+37,390.00	712,390.00	712,390.00	+12,940.00	
Animal husbandry.....	350,080.00	365,000.00	+64,170.00	429,170.00	429,170.00	+79,090.00	
Diseases of animals.....	125,860.00	125,860.00	+36,900.00	162,760.00	162,760.00	+36,900.00	
Eradicating hog cholera.....	428,263.00	425,000.00	+26,320.00	451,320.00	451,320.00	+23,057.00	
Eradicating dourine.....	30,000.00	25,000.00	+1,970.00	26,970.00	26,970.00	-3,030.00	
Administrative expenses.....	24,000.00	24,000.00		24,000.00		-24,000.00	-24,000.00
Meat inspection.....	1,896,110.00	1,896,110.00	+165,000.00	2,061,110.00	2,061,110.00	+165,000.00	
Total.....	9,477,763.00	10,658,970.00		10,658,970.00	10,658,970.00	+1,181,207.00	

BUREAU OF DAIRY INDUSTRY

Salaries and general expenses:

Salaries.....	74,250.00	74,250.00	-74,250.00	-----	-----	-74,250.00	-----
Administration.....			+62,300.00	62,300.00	62,300.00	+62,300.00	-----
General expenses.....	408,544.00	430,244.00	+11,950.00	442,194.00	420,494.00	+11,950.00	-21,700.00
Field station, Woodward, Okla.....	12,300.00	12,300.00	-----	12,300.00	12,300.00	-----	-----
Total, Bureau of Dairy Industry.....	495,094.00	516,794.00	-----	516,794.00	495,094.00	-----	-21,700.00

BUREAU OF PLANT INDUSTRY

Salaries and general expenses:

Salaries.....	563,900.00	558,000.00	-558,000.00	-----	-----	-563,900.00	-----
General expenses—							
Administration ¹			+168,120.00	168,120.00	193,120.00	+193,120.00	000.00
Pathological laboratory.....	90,000.00	89,000.00	+19,440.00	108,440.00	108,440.00	+18,440.00	-----
Orchard diseases.....	135,325.00	135,325.00	+7,380.00	142,705.00	142,705.00	+7,380.00	-----
Citrus canker.....	48,630.00	45,000.00	-----	45,000.00	45,000.00	-3,630.00	-----
Forest pathology.....	108,095.00	120,000.00	+11,160.00	131,160.00	131,160.00	+23,065.00	-----
Blister-rust control.....	368,280.00	368,280.00	+3,240.00	371,520.00	471,520.00	+103,240.00	+100,000.00
Cotton and truck diseases.....	139,450.00	139,450.00	+11,120.00	150,570.00	150,570.00	+11,120.00	-----
Crop physiology.....	72,000.00	72,000.00	+8,160.00	80,160.00	80,160.00	+8,160.00	-----
Plant nutrition.....	16,780.00	16,780.00	-----	16,780.00	16,780.00	-----	-----
Crop acclimatization.....	194,920.00	194,920.00	+5,880.00	200,800.00	200,800.00	+5,880.00	-----
Drug and other plants.....	46,412.00	45,000.00	+13,200.00	58,200.00	58,200.00	+11,788.00	-----
Crop technology.....	49,420.00	49,420.00	+4,920.00	54,340.00	54,340.00	+4,920.00	-----
Seed-testing laboratories.....	57,298.00	57,298.00	+7,240.00	64,538.00	64,538.00	+7,240.00	-----
Cereal investigations.....	699,340.00	670,000.00	+37,860.00	707,860.00	737,200.00	+37,860.00	+29,340.00
Tobacco investigations.....	53,220.00	53,220.00	+5,520.00	58,740.00	58,740.00	+5,520.00	-----

¹Includes appropriations heretofore made for administrative expenses.

A comparative statement of the amounts appropriated for 1927, the Budget estimates for 1928, and the amounts recommended to be appropriated in the accompanying bill for 1928, as well as a distribution of the former appropriation for "salaries"—Continued

Object	Appropriations for 1927 in the agricultural, deficiency, and other acts	Estimates for 1928 regular annual and supplemental	Distribution of former "salaries" appropriation (plus (+) or minus (-))	Total of estimates for 1928, including "salaries" distribution	Amount recommended in the bill for 1928	Increase (+) or decrease (-), bill compared with 1927 appropriation	Increase (+) or decrease (-), bill compared with 1928 estimates after "salaries" distribution
BUREAU OF PLANT INDUSTRY—continued							
Salaries and general expenses—Continued.							
General expenses—Continued.							
Alkali and drought-resistant crops.....	\$22,193.00	\$22,000.00	+\$1,920.00	\$23,920.00	\$23,920.00	+\$1,727.00	-----
Sugar plants.....	156,695.00	156,695.00	+4,560.00	161,255.00	171,255.00	+14,560.00	+\$10,000.00
Economic and systematic botany.....	35,500.00	33,100.00	+12,280.00	45,380.00	45,380.00	+9,880.00	-----
Dry-land agriculture.....	199,330.00	199,330.00	+8,720.00	208,050.00	208,050.00	+8,720.00	-----
Western irrigation agriculture.....	107,475.00	107,475.00	+1,620.00	109,095.00	109,095.00	+1,620.00	-----
Nut culture.....	27,300.00	27,300.00	+1,740.00	29,040.00	29,040.00	+1,740.00	-----
Pomology.....	159,000.00	159,000.00	+33,660.00	192,660.00	192,660.00	+33,660.00	-----
Experimental gardens and grounds.....	14,500.00	14,500.00	+75,000.00	89,500.00	89,500.00	+75,000.00	-----
Horticulture.....	88,000.00	95,500.00	+21,800.00	117,300.00	115,000.00	+27,000.00	-2,300.00
Nursery-stock investigations.....	20,000.00	20,000.00	+1,800.00	21,800.00	21,800.00	+1,800.00	-----
Arlington farm.....	27,000.00	27,000.00	+30,000.00	57,000.00	57,000.00	+30,000.00	-----
Foreign seed and plant introduction.....	143,000.00	143,000.00	+39,300.00	182,300.00	182,300.00	+39,300.00	-----
Forage-crop investigations.....	98,000.00	100,000.00	+20,500.00	120,500.00	120,500.00	+22,500.00	-----

Biophysical investigations.....	33,952.00	33,952.00	+1,860.00	35,812.00	35,812.00	+1,860.00	-----
Administrative expenses.....	26,000.00	25,000.00	-----	25,000.00	-----	-26,000.00	-25,000.00
Total.....	3,801,015.00	3,777,545.00	-----	3,777,545.00	3,914,585.00	+113,570.00	+137,040.00
FOREST SERVICE							
Salaries and general expenses:							
Salaries.....	3,325,000.00	3,325,000.00	-3,325,000.00	-----	-----	-3,325,000.00	-----
General expenses—							
Administration ¹			+196,436.00	196,436.00	1366,748.00	+366,748.00	+170,312.00
Miscellaneous forest wages.....	3,007,973.00	3,135,000.00	+3,015,004.00	6,150,004.00	6,013,492.00	+3,005,519.00	-136,512.00
Fighting and preventing forest fires.....	283,000.00	283,000.00	-----	283,000.00	283,000.00	-----	-----
Airplane patrol.....	50,000.00	50,000.00	-----	50,000.00	50,000.00	-----	-----
Lands.....	55,000.00	55,000.00	-----	55,000.00	55,000.00	-----	-----
Sanitary facilities and fire-protective measures.....	40,000.00	40,000.00	-----	40,000.00	40,000.00	-----	-----
Equipment and supplies.....	130,000.00	130,000.00	-----	130,000.00	130,000.00	-----	-----
Forest products.....	403,264.00	443,264.00	+87,000.00	530,264.00	490,264.00	+87,000.00	-40,000.00
Range investigations.....	40,320.00	40,320.00	+4,560.00	44,880.00	44,880.00	+4,560.00	-----
Planting national forests.....	131,700.00	150,000.00	-----	150,000.00	150,000.00	+18,300.00	-----
Silvicultural investigations.....	250,000.00	310,000.00	+22,000.00	332,000.00	332,000.00	+82,000.00	-----
Reconnaissance, national forests.....	108,550.00	108,550.00	-----	108,550.00	108,550.00	-----	-----
Miscellaneous forest investigations.....	33,800.00	33,800.00	-----	33,800.00	-----	-33,800.00	-33,800.00
Improvement of the national forests.....	526,900.00	526,900.00	-----	526,900.00	526,900.00	-----	-----
Total.....	8,385,507.00	8,630,834.00	-----	8,630,834.00	8,590,834.00	+205,327.00	-40,000.00

¹ Appropriation for "administration" includes appropriations as follows: \$196,436 from "salaries"; \$136,512 from "general expenses" in the District of Columbia; and \$33,800 for "miscellaneous forest investigations."

A comparative statement of the amounts appropriated for 1927, the Budget estimates for 1928, and the amounts recommended to be appropriated in the accompanying bill for 1928, as well as a distribution of the former appropriation for "salaries"—Continued

Object	Appropriations for 1927 in the agricultural, deficiency, and other acts	Estimates for 1928 regular annual and supplemental	Distribution of former "salaries" appropriation (plus (+) or minus (-)	Total of estimates for 1928, including "salaries" distribution	Amount recommended in the bill for 1928	Increase (+) or decrease (-), bill compared with 1927 appropriation	Increase (+) or decrease (-), bill compared with 1928 estimates after "salaries" distribution
BUREAU OF CHEMISTRY AND SOILS							
Salaries and general expenses:							
Salaries.....	\$185,765.00	\$182,740.00	-\$182,740.00			-\$185,765.00	
General expenses—							
Administration ¹			+47,120.00	\$47,120.00	¹ \$50,920.00	+50,920.00	+\$3,800.00
Agricultural investigations.....	148,140.00	152,740.00	+43,207.00	195,947.00	195,947.00	+47,807.00	
Color investigations.....	54,800.00	54,800.00	+18,121.00	72,921.00	72,921.00	+18,121.00	
Table and sweet sirup investigations.....	28,000.00	28,000.00	+7,234.00	35,234.00	35,234.00	+7,234.00	
Insecticide and fungicide investigations.....	27,580.00	27,000.00	+7,800.00	34,800.00	34,800.00	+7,220.00	
Plant-dust explosions and fires.....	26,555.00	25,000.00	+7,543.00	32,543.00	42,743.00	+16,188.00	+10,200.00
Naval stores investigations.....	10,000.00	10,000.00		10,000.00	10,000.00		
Soil chemical investigations.....	25,640.00	25,640.00	+1,080.00	26,720.00	26,720.00	+1,080.00	
Soil physical investigations.....	13,145.00	13,145.00	+4,080.00	17,225.00	17,225.00	+4,080.00	
Fertilizer investigations.....	248,215.00	275,000.00	+3,940.00	278,940.00	278,940.00	+30,725.00	
Soil survey.....	209,220.00	206,000.00	+31,515.00	237,515.00	237,515.00	+28,295.00	
Soil-bacteriology investigations.....	33,940.00	33,940.00	+6,900.00	40,840.00	40,840.00	+6,900.00	

Soil fertility investigations.....	62,000.00	67,000.00	+4,200.00	71,200.00	71,200.00	+9,200.00	-----
General administrative expenses.....	4,000.00	3,800.00	-----	3,800.00	-----	-4,000.00	-3,800.00
Total.....	1,077,000.00	1,104,805.00	-----	1,104,805.00	1,115,005.00	+38,005.00	+10,200.00
BUREAU OF ENTOMOLOGY							
Salaries and general expenses:							
Salaries.....	136,438.00	134,000.00	-134,000.00	-----	-----	-136,438.00	-----
General expenses—							
Administration ¹			+96,458.00	96,458.00	¹ 100,338.00	+100,338.00	+3,880.00
Deciduous fruit insects.....	114,500.00	120,000.00	+4,980.00	124,980.00	124,980.00	+10,480.00	-----
Cereal and forage insects.....	200,835.00	200,000.00	+7,300.00	207,300.00	207,300.00	+6,465.00	-----
Southern field crop insects.....	270,440.00	259,330.00	+1,500.00	260,830.00	292,340.00	+21,900.00	+31,510.00
Forest insects.....	75,000.00	74,250.00	+5,320.00	79,570.00	79,570.00	+4,570.00	-----
Truck crop insects.....	186,250.00	176,940.00	+9,540.00	186,480.00	186,480.00	+230.00	-----
Bee culture.....	42,380.00	42,380.00	-----	42,380.00	42,380.00	-----	-----
Tropical and subtropical fruit insects.....	71,385.00	76,755.00	+3,180.00	79,935.00	77,400.00	+6,015.00	-2,535.00
Miscellaneous insects.....	66,560.00	93,135.00	+5,722.00	98,857.00	98,857.00	+32,297.00	-----
Administrative and miscellaneous.....	3,880.00	3,880.00	-----	3,880.00	-----	-3,880.00	-3,880.00
Preventing spread of moths.....	670,000.00	650,000.00	-----	650,000.00	670,000.00	-----	+20,000.00
Prevention of spread of European corn borer.....	485,000.00	685,000.00	-----	685,000.00	685,120.00	+200,120.00	+120.00
Mexican bean beetle control.....	32,500.00	32,500.00	-----	32,500.00	32,500.00	-----	-----
Japanese beetle control.....	285,000.00	440,000.00	-----	440,000.00	465,000.00	+180,000.00	+25,000.00
Total.....	2,640,168.00	2,988,170.00	-----	2,988,170.00	3,062,265.00	+422,097.00	+74,095.00

¹ Includes appropriations heretofore made for administrative expenses.

A comparative statement of the amounts appropriated for 1927, the Budget estimates for 1928, and the amount recommended to be appropriated in the accompanying bill for 1928, as well as a distribution of the former appropriation for "salaries"—Continued

Object	Appropriations for 1927 in the agricultural, deficiency, and other acts	Estimates for 1928 regular annual and supplemental	Distribution of former "salaries" appropriation (plus (+) or minus (-))	Total of estimates for 1928, including "salaries" distribution	Amount recommended in the bill for 1928	Increase (+) or decrease (-), bill compared with 1927 appropriation	Increase (+) or decrease (-), bill compared with 1928 estimates after "salaries" distribution
BUREAU OF BIOLOGICAL SURVEY							
Salaries and general expenses:							
Salaries.....	\$104,000.00	\$104,000.00	—\$104,000.00			—\$104,000.00	
General expenses—							
Administration ¹			+56,020.00	\$56,020.00	¹ \$67,020.00	+67,020.00	+\$11,000.00
Maintenance of mammal and bird reservations.....	46,000.00	50,000.00	+4,000.00	54,000.00	54,000.00	+8,000.00	
Food habits of birds and animals.....	533,290.00	533,290.00	+19,710.00	553,000.00	568,000.00	+34,710.00	+15,000.00
Biological investigations.....	28,730.00	28,730.00	+11,270.00	40,000.00	40,000.00	+11,270.00	
Protection of migratory birds.....	149,345.00	145,000.00	+13,000.00	158,000.00	158,000.00	+8,655.00	
Animal breeding and protection in Alaska.....	90,000.00	100,000.00		100,000.00	100,000.00	+10,000.00	
Administrative expenses.....	11,000.00	11,000.00		11,000.00		—11,000.00	—11,000.00
Upper Mississippi River Refuge.....	25,000.00	30,000.00		30,000.00	30,000.00	+5,000.00	
Total.....	987,365.00	1,002,020.00		1,002,020.00	1,017,020.00	+29,655.00	+15,000.00
BUREAU OF PUBLIC ROADS							
Salaries and general expenses:							
Salaries.....	118,558.00	118,000.00	—118,000.00			—118,558.00	
General expenses—							
Administration.....			+67,380.00	67,380.00	67,380.00	+67,380.00	

Road management.....	55,000.00	52,000.00	+13,500.00	65,500.00	65,500.00	+10,500.00	-----
Investigating road building, etc.....	82,951.00	80,000.00	-----	80,000.00	80,000.00	-2,951.00	-----
Farm irrigation, drainage, and engineering.....	207,170.00	207,170.00	+37,120.00	244,290.00	244,290.00	+37,120.00	-----
Total.....	463,679.00	457,170.00	-----	457,170.00	457,170.00	-6,509.00	-----
BUREAU OF AGRICULTURAL ECONOMICS							
Salaries and general expenses:							
Salaries.....	1,150,000.00	1,140,000.00	-1,140,000.00	-----	-----	-1,150,000.00	-----
General expenses—							
Administration ¹	-----	-----	+235,250.00	235,250.00	(1) 271,750.00	+271,750.00	+36,500.00
General administrative expenses.....	36,613.00	36,500.00	-----	36,500.00	-----	-36,613.00	-36,500.00
Farm management and farm practice.....	261,586.00	261,586.00	+ 101,370.00	362,956.00	362,956.00	+101,370.00	-----
Marketing and distributing farm products.....	525,988.00	480,000.00	+91,780.00	571,780.00	571,780.00	+45,792.00	-----
Crop and livestock estimates.....	468,515.00	468,515.00	+269,240.00	737,755.00	787,755.00	+319,240.00	+50,000.00
Market inspection of perishable foods.....	353,755.00	365,000.00	+23,455.00	388,455.00	388,455.00	+34,700.00	-----
Market news service on fruits and vegetables.....	775,150.00	775,150.00	+279,205.00	1,054,355.00	1,054,355.00	+279,205.00	-----
Cooperative marketing.....	150,000.00	207,000.00	+13,440.00	220,440.00	220,440.00	+70,440.00	-----
Cotton futures and standards acts, enforcement.....	188,500.00	188,500.00	+14,300.00	202,800.00	202,800.00	+14,300.00	-----
Enforcement of the United States grain standards act.....	598,940.00	610,000.00	+100,140.00	710,140.00	710,140.00	+	0
Administration of the United States warehouse act.....	205,060.00	220,000.00	+11,820.00	231,820.00	231,820.00	+26,760.00	-----
Enforcement of the standard container act.....	5,000.00	5,000.00	-----	5,000.00	5,000.00	-----	-----
Salaries and expenses, wool division.....	6,290.00	3,000.00	-----	3,000.00	3,000.00	-3,290.00	-----
Operation of Center Market.....	171,000.00	171,000.00	-----	171,000.00	171,000.00	-----	-----
Total.....	4,896,397.00	4,931,251.00	-----	4,931,251.00	4,981,251.00	+84,854.00	+50,000.00

¹ Incl udes appropriations heretofore made for administrative expenses.

A comparative statement of the amounts appropriated for 1927, the Budget estimates for 1928, and the amounts recommended to be appropriated in the accompanying bill for 1928, as well as a distribution of the former appropriation for "salaries"—Continued

Object	Appropriations for 1927 in the agricultural, deficiency, and other acts	Estimates for 1928 regular annual and supplemental	Distribution of former "salaries" appropriation (plus (+) or minus (-))	Total of estimates for 1928, including "salaries" distribution	Amount recommended in the bill for 1928	Increase (+) or decrease (-), bill compared with 1927 appropriation	Increase (+) or decrease (-), bill compared with 1928 estimates after "salaries" distribution
BUREAU OF HOME ECONOMICS							
Salaries and general expenses:							
Salaries.....	\$27,244.00	\$27,244.00	—\$27,244.00			—\$27,244.00	
Administration.....			+17,281.00	\$17,281.00	\$17,281.00	+17,281.00	
General expenses.....	100,000.00	100,000.00	+9,963.00	109,963.00	109,963.00	+9,963.00	
Total.....	127,244.00	127,244.00		127,244.00	127,244.00		
FEDERAL HORTICULTURAL BOARD							
Salaries and general expenses:							
Salaries.....	58,510.00	58,510.00	—58,510.00			—58,510.00	
General expenses—							
Administration.....			+49,730.00	49,730.00	49,730.00	+49,730.00	
Enforcement of the plant quarantine act.....	425,000.00	450,000.00	+18,180.00	468,180.00	468,180.00	+43,180.00	
Eradication of pink bollworm.....	300,000.00	250,000.00	—7,200.00	242,800.00	242,800.00	—57,200.00	
Parlatoria date scale.....	21,760.00	19,000.00		19,000.00	19,000.00	—2,760.00	
Thurberia weevil quarantine.....		35,000.00	—2,200.00	32,800.00	32,800.00	+32,800.00	
Total.....	805,270.00	812,510.00		812,510.00	812,510.00	+7,240.00	
Packers and stockyards act, enforcement.....	440,000.00	420,000.00		420,000.00	420,000.00	—20,000.00	
Grain futures act, enforcement.....	121,530.00	135,000.00		135,000.00	135,000.00	+13,470.00	

FOOD, DRUG, AND INSECTICIDE ADMINISTRATION							
Salaries and general expenses:							
Salaries.....	266,903.00	264,260.00	-264,260.00			-266,903.00	
General expenses—							
Administration.....			+98,000.00	98,000.00	98,000.00	+98,000.00	
Collaboration with other departments.....	13,865.00	13,865.00	+1,860.00	15,725.00	15,725.00	+1,860.00	
Pure food and drugs act, enforcement.....	760,668.00	760,260.00	+158,520.00	918,780.00	918,780.00	+158,112.00	
Tea importation act, enforcement.....	40,690.00	38,000.00	+3,055.00	41,055.00	41,055.00	+365.00	
Naval stores act, enforcement.....	25,000.00	35,000.00	+2,825.00	37,825.00	37,825.00	+12,825.00	
Insecticide act, enforcement.....	200,795.00	200,000.00		200,000.00	200,000.00	-795.00	
Total.....	1,310,921.00	1,311,385.00		1,311,385.00	1,311,385.00	+464.00	
MISCELLANEOUS							
Cooperative forest-fire protection.....	710,000.00	1,000,000.00		1,000,000.00	1,000,000.00	+290,000.00	
Cooperative farm forestry.....	50,000.00	60,000.00		60,000.00	60,000.00	+10,000.00	
Cooperative distribution of forest planting stock.....	75,000.00	75,000.00		75,000.00	75,000.00		
Acquisition of additional forest lands.....	1,000,000.00	1,000,000.00		1,000,000.00	1,000,000.00		
Experiments in livestock production in southern United States.....	43,930.00	43,930.00		43,930.00	43,930.00		
Experiments in dairying and livestock production in western United States.....	41,610.00	45,610.00		45,610.00	41,610.00		-\$4,000.00
Mandan Experiment Station.....		25,000.00		25,000.00	25,000.00	+25,000.00	
Eradication of foot-and-mouth and other contagious diseases of animals.....	5,000.00	100.00		100.00	100.00	-4,900.00	
Farmers' seed-grain loans collection.....	15,000.00	10,000.00		10,000.00	10,000.00	-5,000.00	
World's Poultry Congress.....	20,000.00					-20,000.00	
Forest roads and trails.....	5,000,000.00	7,500,000.00		7,500,000.00	6,500,000.00	+1,500,000.00	-1,000,000.00
Federal aid highway system.....	75,000,000.00	75,000,000.00		75,000,000.00	71,000,000.00	-4,000,000.00	-4,000,000.00
Total, agricultural bill.....	128,284,573.00	133,136,570.00		133,136,570.00	128,362,385.00	+77,812.00	-4,774,185.00
Permanent, etc., appropriations.....	11,351,250.00	11,351,250.00		11,351,250.00	11,351,250.00		
Grand total.....	139,635,823.00	144,487,820.00		144,487,820.00	139,713,635.00	+77,812.00	-4,774,185.00

Case No.	Age	Sex	Occupation	History	Examination	Diagnosis	Prognosis	Treatment	Result
1	25	M	Teacher	Headache, dizziness, weakness	Normal	Neuralgia	Favorable	Rest, diet	Recovered
2	35	F	Housewife	Stomach pain, constipation	Normal	Gastritis	Favorable	Diet, laxatives	Recovered
3	45	M	Farmer	Back pain, stiffness	Normal	Lumbago	Favorable	Rest, massage	Recovered
4	55	F	Shopkeeper	Heart palpitations, anxiety	Normal	Neurosis	Favorable	Rest, sedatives	Recovered
5	65	M	Retired	Memory loss, confusion	Normal	Senility	Favorable	Rest, diet	Recovered
6	75	F	Widow	Depression, loss of interest	Normal	Depression	Favorable	Rest, diet	Recovered
7	85	M	Retired	Weakness, fatigue	Normal	Senility	Favorable	Rest, diet	Recovered
8	95	F	Widow	Depression, loss of interest	Normal	Depression	Favorable	Rest, diet	Recovered