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STATEMENT OF EXPENDITURES OF THE  
DEPARTMENT OF AGRICULTURE

FOR THE FISCAL YEAR  
ENDED JUNE 30  
1913



DECEMBER 4, 1913.—Referred to the Committee on Expenditures in the  
Department of Agriculture and ordered to be printed



## LETTER OF TRANSMITTAL.

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DEPARTMENT OF AGRICULTURE,  
OFFICE OF THE SECRETARY,  
*Washington, December 1, 1913.*

SIR: As required by act of March 3, 1885 (23 Stat. L., 356), I have the honor to transmit herewith a detailed statement of expenditures of the Department of Agriculture for the fiscal year ended June 30, 1913.

A copy of this report has also been transmitted to the President of the Senate.

Very respectfully,

D. F. HOUSTON, *Secretary.*

The SPEAKER OF THE HOUSE OF REPRESENTATIVES.

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## EXPENDITURES OF THE

### OFFICE OF THE SECRETARY.

*Statement of expenditures for the fiscal year ended June 30, 1913.*

Project.	Salaries.				Travel, station, and field expenses.	Equipment.	Apparatus, instruments, laboratory materials.
	Statutory.	Lump fund.		Total.			
		In Wash- ton.	Out of Wash- ington.				
1 Secretary's office proper .....	\$19,354.16	\$515.84		\$19,870.00	\$166.80	\$367.50	
2 Assistant Secretary's office .....	7,866.11			7,866.11	319.74	112.50	
3 Solicitor's office .....	75,158.96	92.50		75,251.46		787.09	
4 Disbursing office .....	102,239.75			102,239.75		1,907.14	
5 Library .....	25,653.28	1,486.99		27,140.27	29.52	11,091.11	
6 Appointment clerk's office .....	15,559.72	328.00		15,887.72		94.00	
7 Chief clerk's office .....	59,538.32	4,725.05		64,263.37	2,382.54	1,834.07	
8 Division of supplies .....	11,224.45	376.00	\$600.00	12,200.45		583.65	
9 Chief engineer's office .....	85,680.18	7,756.32		93,436.50	191.22	5,959.01	
Total .....	402,274.93	15,280.70	600.00	418,155.63	3,089.82	22,736.07	

#### PROJECT STATEMENTS.

##### SECRETARY'S OFFICE.

Total expenditure as above..... \$21,175.32  
Unexpended balance (estimated). 145.84

Total allotment..... 21,321.16

The Secretary of Agriculture is charged with the work of promoting agriculture in its broadest sense. He exercises general supervision and control over the affairs of the department and formulates and establishes the general policies to be pursued by its various branches and offices..... \$21,175.32

##### ASSISTANT SECRETARY'S OFFICE.

Total expenditure as above..... \$8,507.64  
Unexpended balance (estimated). 133.89

Total allotment..... 8,641.53

The Assistant Secretary of Agriculture becomes Acting Secretary in the absence of the Secretary and assists in the general supervision of the work of the department. He is also charged with certain special duties, which include direct supervision of (1) the scientific and technical investigations of the department; (2) miscellaneous clerical and minor changes in the personnel of the department; (3) the publication of results of investigations and experiments; (4) preparation of annual reports and estimates..... 8,507.64

##### (a) SOLICITOR'S OFFICE.

Total expenditure as above..... \$77,235.78  
Outstanding liabilities Aug. 31 (estimated). 18.51  
Unexpended balance (estimated). 2,221.04

Total allotment..... 79,475.33

The Solicitor acts as the legal advisor of the Secretary and has charge of the preparation and supervision of all legal papers to which the department is a party, and of all communications to the Department of Justice and to the various officers thereof, including United States attorneys. He examines and approves, in advance of issue, all orders and regulations promulgated by the Secretary under statutory authority. He represents the department in all legal proceedings arising under the laws intrusted to the department for execution, and prosecutes applications for patents by employees of the department. His duties are performed under the immediate supervision of the Secretary..... \$77,254.29

##### (b) DISBURSING OFFICE.

Total expenditure as above..... \$106,052.30  
Outstanding liabilities Aug. 31 (estimated). 8.90  
Unexpended balance (estimated) 2,380.25

Total allotment..... 108,441.45

The disbursing clerk is charged by the Secretary of Agriculture with the duty of preparing all requisitions for the advance of public funds from the appropriations for the Department of Agriculture to disbursing clerks and special disbursing agents charged with the disbursement of public funds; the keeping of appropriation ledgers relating to the advance and disbursement of all items of appropriations; the payment of all vouchers and accounts submitted from the various bureaus, offices, and services of the department; and performs such other duties as may be prescribed by the Secretary.... 106,061.20

# DEPARTMENT OF AGRICULTURE.

## OFFICE OF THE SECRETARY.

Statement of expenditures for the fiscal year ended June 30, 1913.

Stationery.	Furniture.	Rent.	Telegraph, telephone, and postage.	Freight, express, and drayage.	Furnishing of heat, light, power, and electricity.	Forage and other supplies for animals when purchased in bulk.	Fuel.	Miscellaneous.		Total.	
								Supplies, services, etc.	Specified items not otherwise classified.		
\$109.44	\$29.75		\$230.77					\$401.06		\$21,175.32	1
74.88	103.19							31.22		8,507.64	2
477.58	343.75							375.90		77,235.78	3
724.60	507.13							673.68		106,052.30	4
159.85	416.39							153.42		38,990.56	5
135.40	493.39							48.20		16,658.71	6
436.70	587.40	\$86,263.55	2,311.95	340.51		\$2,869.94		13,481.56		174,771.59	7
147.57	417.17			369.37				604.00		14,322.21	8
570.05	229.85				\$16,385.24		\$15,673.12	4,272.03	\$27,223.88	163,940.90	9
2,836.07	3,128.02	86,263.55	2,542.72	709.88	16,385.24	2,869.94	15,673.12	20,041.07	27,223.88	621,655.01	

<sup>1</sup> Mechanics', engineers', and electricians' supplies, etc., \$25,549.56; cleaning and toilet supplies, \$2,674.32.

### (c) LIBRARY.

Total expenditure as above..... \$38,990.56  
 Outstanding liabilities Aug. 31  
 (estimated)..... 2,112.71  
 Unexpended balance (estimated). 176.73  
 Total allotment..... 41,280.00

The librarian has charge of the department library, purchases all books and periodicals, and supervises their arrangement and cataloguing; prepares for publication bibliographies of special subjects and a monthly bulletin containing current accessions to the library; also has charge of the foreign mailing lists for the department publications..... \$41,103.27

### (d) APPOINTMENT CLERK'S OFFICE.

Total expenditure as above..... \$16,658.71  
 Outstanding liabilities Aug. 31  
 (estimated)..... 10.65  
 Unexpended balance (estimated). 260.28  
 Total allotment..... 16,929.64

The appointment clerk is charged by the Secretary with the decision of all questions affecting appointments, transfers, promotions, reductions, details, furloughs, and removals in their relation to the civil-service law and regulations, and with the preparation of all papers necessitated thereby. He has charge of all correspondence of the department with the United States Civil Service Commission, and of all certificates and communications issued by that commission to the department, and deals with all questions affecting positions in the classified and in the unclassified service. He supervises the preparation of all documents to be submitted to the Secretary of Agriculture for his signature in making appointments, transfers, promotions, reductions, fur-

loughs, terminations, and removals in the force of the Department of Agriculture. He is the recorder and custodian of the oaths of office and personal reports of the several chiefs of bureaus, divisions, and offices respecting the efficiency of the several clerks and employees under their respective supervision in the department. He has the custody and use of the department seal.... \$16,669.36

### (e) CHIEF CLERK'S OFFICE.

Total expenditure as above..... \$174,771.59  
 Outstanding liabilities Aug. 31  
 (estimated)..... 2,824.15  
 Unexpended balance (estimated)..... 13,370.91  
 Total allotment..... 190,966.65

Distributed among the several subactivities approximately as follows:

Chief clerk's office proper.—The chief clerk has the general supervision of the clerks and employees; of the order of business, and all expenditures from appropriations for miscellaneous expenses, stationery, etc.; is responsible for the enforcement of the general regulations of the department; and is custodian of the buildings occupied by the Department of Agriculture. This project includes work of time clerk, operation of the telephone and telegraph booth, and provision for miscellaneous supplies and services for the department as a whole.... <sup>1</sup> 36,434.73  
 Mails and files.—This work consists of receiving, recording, and distributing mail for the office of the Secretary; indexing, copying, filing, and dispatching correspondence of said office; includes departmental post office, which receives, distributes, and dispatches all mail handled between the city post office and the several bureaus..... 9,176.90

<sup>1</sup> Including ice, \$4,989.84; fire alarms, \$276.66; laundry, \$2,082.31; awnings, \$959.50.

Agricultural exhibits.—This includes the handling of all correspondence of the department relative to exhibits at local, State, National, and international shows, fairs, and agricultural expositions of various kinds; cooperation with the several bureaus and offices of the department in the collection and preparation of exposition material and direct supervision of the care and shipment of exhibits, their proper installation and maintenance at shows and expositions; and such other operations as may be required for the creditable presentation of the work of the department which may be illustrated by exhibits.

Watch force.—Protects and watches 22 of the buildings occupied by the department, in 3 shifts, covering the entire 24 hours.

Stables.—Charged with feeding, care, and driving of the horses and vehicles used by

\$8,890.46

27,768.00

the different offices of the Secretary and the Division of Publications ..... \$7,847.30

Rent in the District of Columbia for the various bureaus and offices of the department.. 87,478.35

Total..... 177,595.74

## (f) DIVISION OF SUPPLIES.

Total expenditure as above..... \$14,322.21

Outstanding liabilities Aug. 31 (estimated)..... 38.25

Unexpended balance (estimated) 435.55

Total allotment..... 14,796.01

It is the duty of the chief of the supply division to make all purchases of stationery and miscellaneous supplies and to issue the same, on requisitions, to the various bureaus and divisions of the department; to

## WEATHER BUREAU.

Statement of expenditures for the fiscal year ended June 30, 1913.

Project.	Salaries.				Travel, station, and field expenses.	Equipment.	Apparatus, instruments, and laboratory materials.
	Statutory.	Lump fund.		Total.			
		In Washington.	Out of Washington.				
1 Administration.....	\$72,523.00	\$1,200.00	.....	\$73,723.00	\$981.43	\$877.83	\$914.23
2 Forecasts and warnings.....	157,695.00	24,049.26	\$355,560.94	537,305.20	11,593.56	7,202.56	8,082.70
3 River and flood work.....	5,765.00	3,500.00	46,066.14	55,331.14	1,281.00	960.33	1,268.56
4 Climatology and investigations.....	31,129.45	2,500.00	214,640.00	248,269.45	6,508.00	8,758.99	18,438.62
5 Marine meteorological work.....	16,380.00	3,774.99	4,065.85	24,220.84	.....	240.08	567.14
6 Printing office.....	27,800.00	621.53	.....	28,421.53	18.65	770.78	116.64
Total.....	311,292.45	35,645.78	620,332.93	967,271.16	20,382.64	18,810.57	29,387.89

## PROJECT STATEMENTS.

## ADMINISTRATION.

Total expenditures as above..... \$96,843.92

Outstanding liabilities, Aug. 31 (estimated) .. 4,115.91

Unexpended balance (estimated)..... 524.60

Total allotment..... 101,484.43

Office of the chief:  
Salaries..... 12,106.67

Traveling expenses..... 981.43

Office of chief clerk:  
Salaries..... 31,536.33

General overhead expenses..... 25,455.40

(a) Stations and accounts (salaries).... 15,900.00

(b) Supplies (salaries)..... 12,980.00

(c) Library (salaries)..... 2,000.00

Total ..... 100,959.83

## FORECASTS AND WARNINGS.

Total expenditures as above..... 865,557.18

Outstanding liabilities, Aug. 31 (estimated) .. 37,392.02

Unexpended balance (estimated)..... 22,350.77

Total allotment..... 925,299.97

This work comprises the taking and charting daily of weather observations for use in the forecasting of the

weather and the issuing of storm, cold-wave, heavy-snow frost, and other warnings and their distribution by means of maps, bulletins, cards, telegraph, telephone, etc. The work is conducted at Washington, D. C., at 202 principal stations throughout the country, and at numerous sub-stations where flags are displayed and the forecasts and warnings distributed: \$902,949.20.

## RIVER AND FLOOD WORK.

Total expenditures as above..... \$78,072.10

Outstanding liabilities, Aug. 31 (estimated) .. 1,385.60

Unexpended balance (estimated)..... 3,720.00

Total allotment..... 83,177.70

This work comprises the gauging of rivers and the issuing of daily forecasts of water stages and of flood warnings, the measuring of snow in mountains to determine summer water supply in rivers, and the obtaining of precipitation data on watersheds. The work is conducted along practically all of the navigable streams of the country and in addition along a number of unnavigable streams where floods are apt to cause damage and in the watersheds of these streams. The mountain-snowfall work embraces the mountains of the Western States where irrigation and reclamation work is being carried on or contemplated: \$79,457.70.

receive and send out all express and freight shipments, and to receive and dispose of, by sale or otherwise, all property turned in by the various bureaus and offices when it is of no further use to them ..... \$14,360.46

(g) CHIEF ENGINEER'S OFFICE.

Total expenditure as above..... \$163,940.90  
 Outstanding liabilities Aug. 31 (estimated)..... 958.57  
 Unexpended balance (estimated)..... 5,119.70  
 Total allotment..... 170,019.17

Distributed among the several subactivities approximately as follows:

Engineers and firemen.—Under this head is included the supervision of the engineer,

fireman, and elevator-operator force, except those of the Weather Bureau; and the providing, by purchase or otherwise, of all heat, light, power, and electricity required by the bureaus, laboratories, and buildings of the department in Washington, except for the Weather Bureau..... \$65,147.55  
 Shops.—Maintenance of the mechanical shops for the repair and upkeep of the buildings, laboratories, and equipment, including carpenter, plumbing, electrical, iron, painting, and rubber-stamp work..... 79,495.77  
 Char force.—Provides for cleaning and keeping in sanitary condition the halls and toilets of the department buildings, and the cleaning of rooms in the different units of the office of the Secretary..... 20,256.15  
 Total..... 164,899.47

WEATHER BUREAU.

Statement of expenditures for the fiscal year ended June 30, 1913.

Stationery.	Furniture.	Rent.	Telegraph, telephone, and postage.	Freight, express, and drayage.	Furnishing of heat, light, power, and electricity.	Forage and other supplies for animals when purchased in bulk.	Fuel.	Miscellaneous.		Total.	
								Supplies, services, etc.	Specified items not otherwise classified.		
\$2,764.41	\$4,581.25		\$1,943.47	\$366.87		\$379.66	\$2,159.00	\$7,682.13	\$470.64	\$96,843.92	1
11,300.76	9,931.88	\$39,268.97	193,954.49	5,885.20	\$3,034.19		5,960.90	31,585.62	451.15	865,557.18	2
1,506.76	1,324.26	6,569.20	6,060.53	784.72	404.56		794.80	1,726.08	60.16	78,072.10	3
7,650.37	5,965.92	34,634.50	32,772.13	3,942.60	1,517.09		3,980.44	25,098.85	225.57	397,762.53	4
376.69	331.06	1,642.30	1,576.51	196.18	101.14		198.70	1,052.85	15.04	30,518.53	5
15,174.25	176.03						21.60	1,353.36	21.12	46,073.96	6
38,773.24	22,310.40	82,114.97	236,307.13	11,175.57	5,056.98	379.66	13,115.44	68,498.89	1,243.68	1,514,828.22	

CLIMATOLOGY AND INVESTIGATIONS.

Total expenditures as above..... \$397,762.53  
 Outstanding liabilities, Aug. 31 (estimated).. 21,739.72  
 Unexpended balance (estimated)..... 11,256.69  
 Total allotment..... 430,758.94

This work comprises the taking of weather observations in connection with climatology and investigations in meteorology and investigations of the upper air by means of kites and balloons. The climatological work is conducted at 202 principal stations and at substations at least one of which is located in each county in the United States. The climatic data for each State are published monthly and given immediate distribution throughout the United States and remote regions to the many institutions, business interests, and individuals to whom the data are of value: \$419,502.25.

MARINE METEOROLOGICAL WORK.

Total expenditures as above..... \$30,518.53  
 Outstanding liabilities, Aug. 31 (estimated)... 846.40  
 Unexpended balance (estimated)..... 1,501.00  
 Total allotment..... 32,865.93

This work involves the collection of meteorological information pertaining to the oceans, the reporting of vessels

in the interest of commerce and navigation, and the preparation of data for the pilot charts issued by the Hydrographic Office of the Navy. Instruments are placed on coastwise vessels, and an officer of each ship, acting as a special observer, takes weather observations twice daily. These observations are sent by wireless telegraphy to the nearest coast radio-station and then telegraphed to Washington and used by the forecasters in the preparation of forecasts and warnings. In addition, daily weather records are obtained from over 2,000 ships that ply all the oceans of the world. The information thus obtained is used in the compilation of data that, under existing laws, are furnished the Hydrographic Office for publication on the pilot chart: \$31,364.93.

PRINTING OFFICE.

Total expenditures as above..... \$46,073.96  
 Outstanding liabilities, Aug. 31 (estimated) .. 37.50  
 Unexpended balance (estimated)..... 132.09  
 Total allotment..... 46,243.55

A printing office is maintained in the city of Washington for the printing of weather maps, bulletins, circulars, forms, and other publications of the bureau. This office is essential to the immediate distribution of weather information: \$46,111.46.

## BUREAU OF ANIMAL INDUSTRY.

Statement of expenditures for the fiscal year ended June 30, 1913.

Project.	Salaries.				Travel, station, and field expenses.	Equipment.	Apparatus, instruments, and laboratory materials.
	Statutory.	Lump fund.		Total.			
		In Washington.	Out of Washington.				
1 Administrative and overhead expenses.	\$81,316.71	\$6,626.24		\$87,942.95	\$4,463.71		
2 Meat inspection.....	140,043.12	65,480.70	\$2,763,077.23	2,968,601.05	46,544.97	\$6,158.91	
3 Eradication and control of animal diseases.	13,256.65	26,703.32	329,283.12	369,243.09	144,154.94	3,807.31	
4 Eradication of cattle ticks.....	8,386.84	1,912.23	161,133.67	171,432.74	64,592.51	79.79	
5 Dairying investigations.....	22,230.62	60,682.61	66,347.16	149,260.39	30,804.59	8,770.17	
6 Animal husbandry investigations.....	13,472.34	21,518.17	45,811.06	80,801.57	9,402.65	4,948.57	
7 Inspection and quarantine of imported animals.	9,210.74	4,075.00	44,905.38	57,891.12	9,795.66	36,612.41	
8 Supervision of export cattle.....	1,952.00		17,575.90	19,527.90	739.77	1,018.00	
9 Scientific investigation of animal diseases.	44,367.98	24,839.38	18,827.97	88,035.33	5,020.63	695.03	
10 Enforcement of the 28-hour law.....			2,276.65	2,276.65	2,081.03		
Total.....	334,237.00	211,837.65	3,448,938.14	3,995,012.79	317,600.46	62,090.19	

Statement of expenditures in connection with meat-inspection work, including cost of maintaining inspection at various cities and towns as indicated.

Projects.	Salaries.				Travel, station, and field expenses.	Equipment.	Apparatus, instruments, and laboratory materials.
	Statutory.	Lump fund.		Total.			
		In Washington.	Out of Washington.				
1 Albany, N. Y.....			\$1,876.65	\$1,876.65	\$23.20		
2 Albert Lee, Minn.....			2,266.66	2,266.66	2.77		
3 Allentown, Pa.....			6,295.21	6,295.21	12.24		
4 Alton, Ill.....			3,823.99	3,823.99			
5 Amarilla, Tex.....			83.33	83.33			
6 Arkansas City, Kans.....			3,427.78	3,427.78	12.85		
7 Auburn, Me.....			2,938.89	2,938.89	39.66		
8 Augusta, Ga.....			9,191.53	9,191.53	177.50		
9 Austin, Minn.....			8,720.00	8,720.00	43.05		
10 Baltimore, Md.....	\$2,350.00		35,513.03	37,863.03	171.43		
11 Beaumont, Tex.....			400.00	400.00	56.65		
12 Beaver Falls, Pa.....			100.00	100.00	3.40		
13 Bellows Falls, Vt.....			2,010.00	2,010.00	57.12		
14 Binghamton, N. Y.....			330.00	330.00	121.52		
15 Boston, Mass.....	5,365.00		76,178.54	81,543.54	959.37		
16 Bridgeport, Conn.....			1,210.00	1,210.00	30.85		
17 Bridgeport, Pa.....			2,133.33	2,133.33	61.00		
18 Brightwood, Mass.....			11,957.21	11,957.21	245.26		
19 Brooklyn, N. Y.....	900.00		36,272.33	37,172.33	219.90		
20 Buffalo, N. Y.....	2,534.73		61,770.26	64,304.99	537.17	\$1.37	
21 Burlington, Iowa.....			159.33	159.33			
22 Burlington, Vt.....			2,796.66	2,796.66	268.89		
23 Cairo, Ill.....			471.11	471.11	54.06		
24 Canajoharie, N. Y.....			220.00	220.00			
25 Cedar Rapids, Iowa.....	670.00		19,381.11	20,051.11	6.45		
26 Chester, Pa.....			1,525.16	1,525.16	.20		
27 Cheyenne, Wyo.....			3,100.00	3,100.00	6.00		
28 Chicago, Ill.....	25,411.21		402,737.29	428,148.50	1,566.47	52.00	
29 Cincinnati, Ohio.....	2,889.17		75,145.09	78,034.26	348.66	10.00	
30 Cleveland, Ohio.....	2,810.00		55,752.26	58,562.26	129.00		
31 Columbus, Ohio.....			7,219.44	7,219.44	196.21		
32 Corning, N. Y.....			300.00	300.00			
33 Cortland, N. Y.....			7,548.33	7,548.33	150.81		
34 Cumberland, Md.....			1,210.00	1,210.00	31.92		
35 Davenport, Iowa.....			3,835.67	3,835.67	22.20		
36 Dayton, Ohio.....			10,711.09	10,711.09	13.60		
37 Denver, Colo.....	990.00		2,827.67	3,817.67	303.60		
38 Des Moines, Iowa.....			4,929.99	4,929.99	6.09		
39 Detroit, Mich.....	900.00		31,162.59	32,062.59	202.67	40.00	
40 Dubuque, Iowa.....			2,833.33	2,833.33	116.55		
41 Duluth, Minn.....			3,866.65	3,866.65	38.80		
42 East Liverpool, Ohio.....			100.00	100.00			
43 Eau Claire, Wis.....			8,843.33	8,843.33	31.53		
44 Elmira, N. Y.....			300.00	300.00			
45 El Paso, Tex.....			7,424.44	7,424.44	42.80		
46 Erie, Pa.....			1,800.00	1,800.00			
47 Evansville, Ind.....			5,274.99	5,274.99			
48 Fairmont, Minn.....			2,158.33	2,158.33			
49 Fargo, N. Dak.....			1,210.00	1,210.00	9.55		
50 Ferris Falls, Minn.....			1,800.00	1,800.00	58.00		
51 Fort Dodge, Iowa.....			2,130.55	2,130.55	14.40		
52 Fort Madison, Iowa.....			2,225.01	2,225.01	83.75		
53 Fort Smith, Ark.....			1,210.00	1,210.00			

BUREAU OF ANIMAL INDUSTRY.

Statement of expenditures for the fiscal year ended June 30, 1913.

Stationery.	Furniture.	Rent.	Telegraph, telephone, and postage.	Freight, express, and drayage.	Furnishing of heat, light, power, and electricity.	Forage and other supplies for animals when purchased in bulk.	Fuel.	Miscellaneous.		Total.	
								Supplies, services, etc.	Specified items not otherwise classified.		
\$10,034.01	\$1,047.83	\$450.97	\$916.60	\$1,174.07			\$3.67	\$15,799.62		\$127,992.34	1
9,871.46	1,347.01	17,172.30	4,366.54	3,869.75		\$402.90	211.81	8,009.52		3,064,204.62	2
2,198.66	162.09	3,862.71	1,828.77	314.33		498.88	:40	2,684.82		525,028.48	3
1,452.51	459.99	229.00	680.09	792.09		268.43		1,597.44		250,274.97	4
4,450.54	426.72	1,127.32	328.39	671.63		2,804.71	697.64	10,602.60		206,123.10	5
2,096.87	905.74	663.63	307.64	2,520.93		18,566.57	1,154.36	17,652.87		170,685.24	6
135.21	152.53	250.50	442.06	313.16		249.52	1,310.67	1,986.15		73,544.58	7
22.62			174.25					19.94		20,484.48	8
7,548.41	92.25	87.26	139.95	117.64		25,614.63	1,660.81	2,567.97		131,579.91	9
1.05			1.95					7.75		4,368.43	10
37,811.34	4,594.16	23,843.69	9,186.24	9,773.60		48,405.64	5,039.36	60,928.68		4,574,286.15	

Statement of expenditures in connection with meat-inspection work, including cost of maintaining inspection at various cities and towns as indicated.

Stationery.	Furniture.	Rent.	Telegraph, telephone, and postage.	Freight, express, and drayage.	Furnishing of heat, light, power, and electricity.	Forage and other supplies for animals when purchased in bulk.	Fuel.	Miscellaneous.		Total.	
								Supplies, services, etc.	Specified items not otherwise classified.		
	\$5.95		\$0.55	\$18.00						\$1,924.35	1
\$1.05			2.25					\$4.00		2,276.73	2
1.50			24.00	.37						6,307.82	3
				.77						3,850.26	4
.95			30.00	52.90				6.36		83.33	5
.58			9.00	31.87				1.55		3,530.84	6
.65			1.50	78.74				.25		3,021.55	7
4.00			.10	66.77						9,450.17	8
4.78			68.13	1.25						8,833.92	9
								50.85		38,159.47	10
								.25		456.65	11
								.25		103.65	12
								.12		2,067.37	13
13.61	8.45	\$900.00	311.12	1.50			\$1.64			453.14	14
				54.26				216.80		84,008.79	15
				1.25				18.25		1,260.35	16
.80			.10	8.05				.75		2,195.98	17
.85				57.20				.50		12,211.87	18
2.78		480.00	77.40	8.05				46.95		38,056.56	19
19.05		540.00	48.15	4.59				619.32		66,075.14	20
			31.90	.80				.50		159.33	21
1.50										3,098.75	22
										526.67	23
3.10	2.25		4.00							220.00	24
				17.00				18.01		20,084.92	25
4.30			9.00	7.75				4.65		1,547.01	26
175.50		1,980.00	162.76	412.43				12.75		3,139.80	27
34.20	60.50	480.00	100.41	7.53			5.25	840.32		433,343.23	28
16.11			83.05	82.08			3.90	18.10		79,097.56	29
10.36			49.85	21.26			1.20	35.66		58,909.36	30
								.65		7,497.77	31
.55			5.30	16.40				.45		300.00	32
										7,721.84	33
42				33.60				.30		1,241.92	34
8.25			60.00	22.70				20.40		3,892.19	35
.50		264.00	76.00	3.59				56.65		10,836.04	36
.50			9.50	3.32				12.00		4,522.01	37
4.70			75.44	11.94				38.95		4,961.40	38
			39.00	1.63				1.25		32,436.29	39
1.85				4.50				12.00		2,991.76	40
										3,923.80	41
4.55			.95					2.72		100.00	42
										8,383.08	43
		420.00		35.00				6.95		300.00	44
										7,929.19	45
										1,800.00	46
								13.00		5,287.99	47
										2,158.33	48
				16.31						1,235.86	49
										1,858.00	50
				28.32				.30		2,173.57	51
										2,308.76	52
										1,210.00	53

Statement of expenditures in connection with meat-inspection work, including cost of maintaining inspection at various cities and towns as indicated—Continued.

Project.	Salaries.				Travel, station, and field expenses.	Equipment.	Apparatus, instruments, and laboratory materials.
	Statutory.	Lump fund.		Total.			
		In Wash- ington.	Out of Wash- ington.				
1 Fort Wayne, Ind.			\$4,819.44	\$4,819.44	\$65.60		
2 Fort Worth, Tex.	\$1,000.00		55,235.93	56,235.93	1,152.15		\$4.20
3 Frederick, Md.			2,605.56	2,605.56			
4 Grand Rapids, Wis.			2,523.33	2,523.33	39.50		
5 Hallstead, Pa.			1,416.67	1,416.67			
6 Hamilton, Ohio.			450.00	450.00	10.20		
7 Harrisburg, Pa.			7,619.65	7,619.65	419.37		
8 Hartford, Conn.			1,210.00	1,210.00	9.75		
9 Haverhill, Mass.			6,033.34	6,033.34	84.65		
10 Houston, Tex.			11,005.34	11,005.34	127.60		
11 Hudson, N. Y.			196.67	196.67			
12 Indianapolis, Ind.	3,260.00		51,257.46	54,517.46	254.63		
13 Jacksonville, Fla.			733.33	733.33	68.35		
14 Jacksonville, Ill.			3,266.66	3,266.66			
15 Jefferson, Wis.			1,800.00	1,800.00	24.34		
16 Jersey City, N. J.	1,990.00		38,880.38	40,870.38	708.73		
17 Kansas City, Kans.	7,595.00		227,001.41	234,596.41	425.17		3.75
18 Keene, N. H.			1,100.00	1,100.00			
19 Kirksville, Mo.			2,759.16	2,759.16	77.35		
20 La Crosse, Wis.			2,800.00	2,800.00	47.53		
21 La Fayette, Ind.			4,216.66	4,216.66	110.66		
22 Lewiston, Idaho.			4,466.11	4,466.11	107.85		
23 Lincoln, Nebr.			1,282.79	1,282.79	4.60		
24 Little Rock, Ark.			1,433.33	1,433.33	60.29		
25 Logansport, Ind.			3,170.67	3,170.67	119.13		
26 Los Angeles, Cal.	2,870.67		31,600.48	34,471.15	237.40		
27 Louisville, Ky.	900.00		11,004.69	11,904.69	87.90		
28 Macon, Ga.			440.00	440.00			
29 Madison, Ind.			1,616.66	1,616.66	42.93		
30 Manchester, N. H.			1,210.00	1,210.00	165.15		
31 Marshalltown, Iowa.			5,498.33	5,498.33	38.29		
32 Mason City, Iowa.			5,480.27	5,480.27	9.93		
33 Medford, Oreg.			83.33	83.33			
34 Memphis, Tenn.			9,414.51	9,414.51	278.68		
35 Menominee, Mich.			1,410.22	1,410.22	4.79		
36 Middleton, N. Y.			1,320.00	1,320.00	74.44		
37 Milwaukee, Wis.	811.00		56,842.55	57,653.55	330.93		
38 Mobile, Ala.			220.00	220.00			
39 Morristown, Tenn.			3,256.66	3,256.66	337.89		
40 Moscow, Idaho.			1,796.66	1,796.66			
41 Nashville, Tenn.			8,973.09	8,973.09	183.42		
42 Natchez, Miss.			6,403.77	6,403.77	355.87		
43 National Stock Yards, Ill.	8,936.66		102,598.99	111,535.65	305.57		
44 Nebraska City, Nebr.			4,679.66	4,679.66	30.26		13.66
45 Newark, N. J.	91.00		26,711.37	26,802.37	98.58		
46 New Haven, Conn.			6,835.55	6,835.55	291.50		
47 New Orleans, La.			13,870.81	13,870.81	500.06		
48 New York, N. Y.	5,649.89		142,970.78	148,620.67	2,759.36		18.19
49 Norfolk, Va.	797.50		3,293.33	4,090.83	59.15		52.00
50 North Adams, Mass.			220.00	220.00			
51 Ogden, Utah.			4,400.67	4,400.67	74.80		
52 Oklahoma, Okla.	91.00		39,289.60	39,380.60	209.33		3.10
53 Ottumwa, Iowa.	900.00		19,288.82	20,188.82	19.04		
54 Paterson, N. J.			14,284.95	14,284.95	95.54		
55 Pensacola, Fla.			131.25	131.25	32.43		
56 Peoria, Ill.			7,489.99	7,489.99	8.30		
57 Philadelphia, Pa.	3,350.00		72,556.74	75,906.74	1,030.73		
58 Phillipsburg, N. J.			876.67	876.67	1.30		
59 Pittsburg, Kans.			2,628.32	2,628.32	4.30		
60 Pittsburgh, Pa.	900.00		27,986.48	28,886.48	479.34		52.00
61 Portland, Me.			6,316.66	6,316.66	179.61		
62 Portland, Oreg.	495.00		19,446.97	19,941.97	222.75		
63 Pottsville, Pa.			5,334.43	5,334.43	3.67		
64 Providence, R. I.	893.50		22,935.83	23,829.33	606.51		
65 Pueblo, Colo.			4,033.33	4,033.33	85.20		
66 Quincy, Ill.			2,758.31	2,758.31	2.05		
67 Reno, Nev.			3,756.27	3,756.27	62.75		
68 Richmond, Ind.			1,811.11	1,811.11			
69 Rochester, N. Y.			1,100.00	1,100.00	17.25		
70 Richmond, Va.	900.00		12,913.50	13,813.50	155.71		
71 Rockford, Ill.			4,868.88	4,868.88	35.05		13.66
72 St. Louis, Mo.	1,000.00		60,335.92	61,335.92	228.35		
73 Salt Lake City, Utah.			2,480.36	2,480.36			52.00
74 San Diego, Cal.	540.00		6,895.81	7,435.81	180.45		
75 San Francisco, Cal.	1,708.34		24,730.48	26,438.82	272.45		
76 Savannah, Ga.			1,110.67	1,110.67	5.10		
77 Scranton, Pa.			1,200.00	1,200.00	44.29		
78 Seattle, Wash.	75.00		20,871.65	20,946.65	309.11		
79 Shreveport, La.			1,210.00	1,210.00	51.40		
80 Sioux City, Iowa.	870.17		58,894.81	59,764.98	224.85		
81 Sioux Falls, S. Dak.			11,580.99	11,580.99	694.14		
82 South Omaha, Nebr.	7,879.53		143,437.70	151,317.23	717.98		
83 South St. Joseph, Mo.	991.00		95,193.13	96,184.13	33.10		
84 South St. Paul, Minn.	1,842.50		37,191.87	39,034.37	172.46		57.00
85 Spokane, Wash.	802.50		14,878.02	15,680.52	253.65		
86 Syracuse, N. Y.			445.00	445.00	70.79		
87 Tacoma, Wash.			10,705.55	10,705.55	225.80		
88 Terre Haute, Ind.			3,631.93	3,631.93	8.90		

Statement of expenditures in connection with meat-inspection work, including cost of maintaining inspection at various cities and towns as indicated—Continued.

Stationery.	Furniture.	Rent.	Telegraph, telephone, and postage.	Freight, express, and drayage.	Furnishing of heat, light, power, and electricity.	Forage and other supplies for animals when purchased in bulk.	Fuel.	Miscellaneous.		Total.	
								Supplies, services, etc.	Specified items not otherwise classified.		
\$7.00				\$44.14						\$4,936.18	1
5.35	\$15.75	\$600.00	\$63.78	108.71				\$161.75		58,347.62	2
				7.00				3.25		2,615.81	3
				.91						2,563.74	4
			.35							1,417.02	5
2.25										462.45	6
			2.50	18.50				1.00		8,061.02	7
.50										1,220.25	8
.20					2.46			.50		6,118.69	9
										11,135.40	10
										196.67	11
35.52		120.00	100.53	24.48			\$1.50	29.52		55,083.64	12
.30				.25						802.23	13
				.77				1.00		3,268.43	14
										1,824.34	15
12.35	13.50	600.00	115.93	21.03				42.15		42,384.07	16
164.97		540.00	189.27	95.48				270.16		236,285.21	17
										1,100.00	18
				23.07						2,859.58	19
				.67						2,847.53	20
1.25			30.00	8.76			.25	5.64		4,365.13	21
.25			21.40	21.06						4,604.37	22
.90				62.31						1,309.35	23
1.60				10.36						1,557.53	24
.50				57.13				5.15		3,305.81	25
14.60			48.00					10.75		34,839.03	26
4.75			48.30					20.46		12,066.10	27
										440.00	28
1.75			3.00	22.75						1,687.09	29
			6.00					.25		1,381.40	30
				.99						5,537.61	31
.25			36.70	12.08				2.75		5,541.98	32
										83.33	33
1.95	21.25		72.57	43.72				.50		9,833.18	34
				16.14						1,431.15	35
										1,394.44	36
10.80			85.20	18.75				422.68		58,521.91	37
			1.50							221.50	38
.10			2.33	1.05						3,598.03	39
										1,796.66	40
2.40	6.00			65.27				.50		9,230.68	41
.25		150.00	50.20	30.72			13.85	21.98		7,026.64	42
35.48		1,003.20	56.85	48.37			34.90	225.65		113,245.67	43
.50				57.26						4,781.34	44
8.20	19.80	400.00	74.95	5.55				20.05		27,429.50	45
1.63			6.00	13.50				12.80		7,160.98	46
.75		252.00	66.00	60.24				8.67		14,758.53	47
73.99	6.00	1,540.00	175.48	53.92				198.60		153,446.21	48
.40		262.00	65.25	4.74				12.33		4,546.70	49
			1.00					2.25		223.25	50
2.60			3.00	45.65				13.00		4,539.72	51
		274.19	62.20	61.21				32.00		40,022.63	52
6.20				2.55				8.45		20,225.06	53
1.75			37.05					1.62		14,420.91	54
1.40				36.30				1.35		202.73	55
.25			68.33	13.99						7,580.86	56
	9.55		140.72	8.75				53.20		77,149.69	57
										877.97	58
										2,632.62	59
15.55		400.00	114.25	98.23				106.13		30,151.98	60
			63.85	30.86				6.85		6,560.12	61
7.40			62.40	1.50				1.00		20,272.23	62
				10.20						5,840.60	63
18.20			62.69					10.20		24,537.13	64
			18.00	2.50				4.80		4,118.53	65
.40			.70	64.41						2,786.06	66
.50										3,884.13	67
										1,811.61	68
										1,117.25	69
.20			36.00	1.65				.50		14,007.36	70
24.15		540.00	4.20	35.26						4,957.25	71
			72.00	39.29				106.70		62,346.41	72
										2,532.36	73
1.85		113.75	2.45	103.85				2.50		7,840.66	74
23.67			192.94	26.40				27.10		26,981.38	75
			1.50							1,117.27	76
										1,244.29	77
13.50			90.10	124.64				83.13		21,567.13	78
										1,261.40	79
12.15		480.00	84.00	57.50				54.95		60,678.43	80
11.80				4.95						12,291.88	81
99.57		18.00	72.65	179.85				189.45		152,594.73	82
15.40		780.00	75.75	9.93				126.56		97,224.87	83
2.10	89.76	360.00	60.00	7.66				10.40		39,793.75	84
10.85			60.19	36.63				9.00		16,050.84	85
			.40	32.15						548.34	86
5.25				96.14						11,032.74	87
1.80			.45	18.25						3,660.83	88

Statement of expenditures in connection with meat-inspection work, including cost of maintaining inspection at various cities and towns as indicated—Continued.

Project.	Salaries.			Travel, station, and field expenses.	Equipment.	Apparatus, instruments, and laboratory materials.	
	Statutory.	Lump fund.					Total.
		In Wash- ington.	Out of Wash- ington.				
1 Toledo, Ohio.....			\$7,783.35	\$7,783.35			
2 Topeka, Kans.....			7,662.69	7,662.69			
3 Trenton, N. J.....			2,906.10	2,906.10	\$33.45		
4 Troy, N. Y.....			6,115.00	6,115.00	127.86		
5 Wallace, Idaho.....			2,454.17	2,454.17			
6 Walla Walla, Wash.....			3,855.54	3,855.54			
7 Washington, D. C.....			14,746.63	14,746.63	217.12		
8 Waterloo, Iowa.....			4,805.56	4,805.56	15.69		
9 Watertown, S. Dak.....			1,010.56	1,010.56	14.90		
10 Wheeling, W. Va.....			12,932.67	12,932.67	113.00		
11 Wichita, Kans.....	\$716.00		33,309.45	34,025.45	146.41		
12 Wilmington, Del.....			5,981.68	5,981.68	17.02		
13 Winona, Minn.....			4,216.66	4,216.66	15.00		
14 Worcester, Mass.....			9,311.09	9,311.09	228.80		
15 Youngstown, Ohio.....			3,833.33	3,833.33	122.71		
Total.....	102,676.37		2,713,170.91	2,815,847.28	24,457.14	\$372.93	

PROJECT STATEMENTS.

ADMINISTRATION AND OVERHEAD EXPENSES.

Total expenditure as above.....	\$127,992.34
Outstanding liabilities, Aug. 31 (esti- mated), .....	2,633.66
Unexpended balance (estimated).....	683.35

Total allotment..... 131,309.35

Distributed among the several subactivities approxi- mately as follows:

Office of chief of bureau: General adminis- tration of the scientific, regulatory, and clerical work of the bureau, including such matters as relate to or affect the policy of the bureau.....	\$15,850.86
Office of the assistant chief: Assisting the chief of bureau in the administration of bureau affairs.....	3,779.98
Office of the chief clerk.....	14,467.52
Office of accounts.....	20,283.79
Appointment section.....	12,972.25
Property and stores.....	40,021.59
File section.....	6,605.37
Instrument maker.....	2,845.61
Traveling examiner.....	3,402.35
Editorial office.....	10,396.68
Total.....	130,626.00

MEAT INSPECTION.

Total expenditures as above.....	\$3,064,204.62
Outstanding liabilities, Aug. 31 (esti- mated), .....	5,701.49
Unexpended balance (estimated).....	39,222.34

Total allotment..... 3,109,128.45

Distributed among the several subactivities approxi- mately as follows:

Biochemic laboratory: Work in Washing- ton on chemical examination of meats and meat-food products, to detect pres- ence of preservatives, effects of curing and canning; use of foreign matter in meat-food products, and determination of purity of water used in washing meats; manufacture of branding ink for use in marking carcasses and meat-food prod- ucts.....	\$38,396.66
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Pathological laboratory: Scientific study of meat-food animals to determine if meat from such animals is fit for food..... \$18,922.65

Zoological laboratory: Parasitic conditions of animals slaughtered for food are sci- entifically studied, with a view to deter- mining the fitness of such animals for food..... 987.62

Supervision of meat-inspection service: This project covers the work of supervising the actual operations of inspecting meat and meat-food products. During 1913, there were about 2,350 employees engaged in meat-inspection work, which was conducted at 910 establishments in 235 cities and towns. The work of super- vision consists in handling all questions which relate to this service..... 85,498.49

Meat laboratories: Work carried on at six stations in the field, similar in character to the work of the central biochemic labo- ratory at Washington..... 57,874.01

Maintenance of field stations: This work includes:  
 (a) Ante-mortem inspection of animals intended for slaughter and meat shipped in interstate and foreign trade to determine the existence of any condition that may render the meat unfit for food..... 560,500.00

(b) Post-mortem inspection of animals to determine, at the time of slaugh- ter, if any disease or other condition exists that may render the carcasses unfit for food..... 616,936.00

(c) Supervising the preparation and shipping of meat and meat-food prod- ucts, to see that no unfit meat is used in the various processes of packing, as in canning, salting, smoking, etc.; that the places where the operations are carried on are properly constructed and kept in a sanitary condition; that the workers are clean as to person and raiment; that deleterious preservatives are not used; to inspect products out of and into official establishments, and otherwise to enforce compliance with the meat-inspection act and the regulations made thereunder.. 1,150,290.68

Statement of expenditures in connection with meat-inspection work, including cost of maintaining inspection at various cities and towns as indicated—Continued.

Stationery.	Furniture.	Rent.	Telegraph, telephone, and postage.	Freight, express, and drayage.	Furnishing of heat, light, power, and electricity.	Forage and other supplies for animals when purchased in bulk.	Fuel.	Miscellaneous.		Total.	
								Supplies, services, etc.	Specified items not otherwise classified.		
\$1.50				\$1.61						\$7,786.46	1
11.95				1.21				\$12.25		7,688.10	2
				22.38						2,961.93	3
.95			\$2.05	.70				3.85		6,250.41	4
1.35			2.25	4.54				2.45		2,464.76	5
			3.00	84.18				13.65		3,956.37	6
1.45	\$5.95	\$45.16	73.64	.50		\$12.67		84.90		15,188.02	7
				29.66						4,850.91	8
			1.50							1,026.96	9
1.15			48.20	58.93				13.48		13,167.43	10
7.38		420.00	48.54	118.59				.60		34,766.97	11
										5,998.70	12
			.50					.50		4,231.66	13
				.42				7.20		9,540.89	14
.35										3,964.01	15
1,009.85	264.71	13,962.30	4,168.05	3,538.84		12.67	\$62.49	4,530.42		2,868,226.68	

(d) Miscellaneous work in connection with meat inspection, as follows: Inspection of meats and meat-food products for the United States Navy; inspection at public markets and supervision of exempted operations. \$540,500.00

Total 3,069,906.11

The cost and character of the work at each station is given below:

Station.	Class of work.	Amount.
Albany, N. Y.	Ante mortem, post-mortem, preparation and shipping, and miscellaneous.	\$1,924.35
Albert Lea, Minn.	do.	2,276.73
Allentown, Pa.	Ante mortem, post-mortem, preparation and shipping, and miscellaneous (includes supervision at Easton, Pa.)	6,307.82
Alton, Ill.	Ante mortem, post-mortem, preparation and shipping, and miscellaneous.	3,850.26
Amarillo, Tex.	do.	83.33
Arkansas City, Kans.	do.	3,530.84
Auburn, Me.	do.	3,021.55
Augusta, Ga.	Ante mortem, post-mortem, preparation and shipping, and miscellaneous (includes supervision at North Augusta, S. C.)	9,450.17
Austin, Minn.	Ante mortem, post-mortem, preparation and shipping, and miscellaneous.	8,833.92
Baltimore, Md.	do.	38,159.47
Beaumont, Tex.	Preparation and shipping and miscellaneous.	456.65
Beaver Falls, Pa.	do.	103.65
Bellows Falls, Vt.	Ante mortem, post-mortem, preparation and shipping, and miscellaneous.	2,067.37
Binghamton, N. Y.	do.	453.14
Boston, Mass.	Ante mortem, post-mortem, preparation and shipping, and miscellaneous (includes supervision at Brighton, Brockton, Somerville, Southboro, Woburn, Cambridge, and Lynn, Mass., and Portsmouth, N. H.)	84,008.79
Bridgeport, Conn.	Ante mortem, post-mortem, preparation and shipping, and miscellaneous.	1,260.35
Bridgeport, Pa.	do.	2,195.98
Brightwood, Mass.	Ante mortem, post-mortem, preparation and shipping, and miscellaneous (includes supervision at Chicopee and Springfield, Mass.)	12,211.87
Brooklyn, N. Y.	do.	38,056.56

Station.	Class of work.	Amount.
Buffalo, N. Y.	Ante mortem, post-mortem, preparation and shipping, and miscellaneous (includes supervision at Bradford, Pa., and Olean, N. Y.)	\$66,075.14
Burlington, Iowa	Ante mortem, post-mortem, preparation and shipping, and miscellaneous.	159.33
Burlington, Vt.	do.	3,098.75
Cairo, Ill.	do.	526.67
Canajoharie, N. Y.	Preparation and shipping and miscellaneous.	220.00
Cedar Rapids, Iowa	Ante mortem, post-mortem, preparation and shipping, and miscellaneous.	20,084.92
Chester, Pa.	do.	1,547.01
Cheyenne, Wyo.	do.	3,139.80
Chicago, Ill.	Ante mortem, post-mortem, preparation and shipping, and miscellaneous (includes supervision at Eola, Ill.)	433,343.23
Cincinnati, Ohio	Ante mortem, post-mortem, preparation and shipping, and miscellaneous.	79,097.56
Cleveland, Ohio	Ante mortem, post-mortem, preparation and shipping, and miscellaneous.	58,909.36
Columbus, Ohio	Ante mortem, post-mortem, preparation and shipping, and miscellaneous (includes supervision at Circleville and London, Ohio).	79,497.77
Corning, N. Y.	Preparation and shipping and miscellaneous.	300.00
Cortland, N. Y.	Ante mortem, post-mortem, preparation and shipping, and miscellaneous.	7,721.84
Cumberland, Md.	Preparation and shipping and miscellaneous.	1,241.92
Davenport, Iowa	Ante mortem, post-mortem, preparation and shipping, and miscellaneous.	3,892.19
Dayton, Ohio	do.	10,836.04
Denver, Colo.	Ante mortem, post-mortem, preparation and shipping, and miscellaneous (includes supervision at Colorado Springs, Colo.)	4,522.01
Des Moines, Iowa	Ante mortem, post-mortem, preparation and shipping, and miscellaneous.	4,961.40
Detroit, Mich.	do.	32,436.29
Dubuque, Iowa	do.	2,991.76
Duluth, Minn.	do.	3,923.80
East Liverpool, Ohio	Preparation and shipping and miscellaneous.	100.00
Eau Claire, Wis.	Ante mortem, post-mortem, preparation and shipping, and miscellaneous.	8,383.08
Elmira, N. Y.	Preparation and shipping and miscellaneous.	300.00
El Paso, Tex.	do.	7,929.19
Erie, Pa.	Ante mortem, post-mortem, preparation and shipping, and miscellaneous.	1,800.00

## EXPENDITURES OF THE DEPARTMENT OF AGRICULTURE.

Station.	Class of work.	Amount.	Station.	Class of work.	Amount.
Evansville, Ind.....	Ante-mortem, post-mortem preparation and shipping, and miscellaneous.	\$5,287.99	Memphis, Tenn.....	Ante mortem, post-mortem, preparation and shipping, and miscellaneous (includes supervision at Germantown and Union City, Tenn.).	\$9,833.18
Fairmont, Minn.....	do.....	\$2,158.33	Menominee, Mich.....	Ante mortem, post-mortem, preparation and shipping, and miscellaneous.	1,431.15
Fargo, N. Dak.....	Preparation and shipping and miscellaneous.	1,235.86	Middletown, N. Y.....	Preparation and shipping.....	1,394.44
Fergus Falls, Minn.....	Ante mortem, post-mortem, preparation and shipping, and miscellaneous.	1,858.00	Milwaukee, Wis.....	Ante mortem, post-mortem, preparation and shipping, and miscellaneous (includes supervision at Cudahy and Fort Atkinson, Wis.).	58,521.91
Fort Dodge, Iowa.....	do.....	2,173.57	Mobile, Ala.....	Preparation and shipping and miscellaneous.	221.50
Fort Madison, Iowa.....	do.....	2,308.76	Morristown, Tenn.....	Ante mortem, post-mortem, preparation and shipping, and miscellaneous.	3,598.03
Fort Smith, Ark.....	Preparation and shipping and miscellaneous.	1,210.00	Moscow, Idaho.....	do.....	1,796.66
Fort Wayne, Ind.....	Ante mortem, post-mortem, preparation and shipping, and miscellaneous.	4,936.18	Nashville, Tenn.....	Ante mortem, post-mortem, preparation and shipping, and miscellaneous (includes supervision at Chattanooga, Tenn.).	9,230.68
Fort Worth, Tex.....	Ante mortem, post-mortem, preparation and shipping, and miscellaneous (includes supervision of Austin, Greenville, Dallas, San Antonio, and Sherman, Tex.).	58,347.62	Natchez, Miss.....	Ante mortem, post-mortem, preparation and shipping, and miscellaneous (includes supervision at Greenville and Vicksburg, Miss.).	7,026.64
Frederick, Md.....	Ante mortem, post-mortem, preparation and shipping, and miscellaneous.	2,615.81	National Stockyards, Ill.	Ante mortem, post-mortem, preparation and shipping, and miscellaneous.	113,245.67
Grand Rapids, Wis.....	do.....	2,563.74	Nebraska City, Nebr.....	do.....	4,781.34
Halstead, Pa.....	do.....	1,417.02	Newark, N. J.....	Ante mortem, post-mortem, preparation and shipping, and miscellaneous (includes supervision at Dover and Kearney, N. J.).	27,429.50
Hamilton, Ohio.....	do.....	462.45	New Haven, Conn.....	Ante mortem, post-mortem, preparation and shipping, and miscellaneous.	7,160.98
Harrisburg, Pa.....	Ante mortem, post-mortem, preparation and shipping, and miscellaneous (includes supervision at Annville, Cleona, Lancaster, Lebanon, and Palmyra, Pa.).	8,061.02	New Orleans, La.....	Ante mortem, post-mortem, preparation and shipping, and miscellaneous (includes supervision at Arabi, Gretna, and Harvey, La.).	14,758.53
Hartford, Conn.....	Preparation and shipping and miscellaneous.	1,220.25	New York, N. Y.....	Ante mortem, post-mortem, preparation and shipping, and miscellaneous (includes supervision at Guttenberg and Union Hill, N. J.).	153,446.21
Haverhill, Mass.....	Ante mortem, post-mortem, preparation and shipping, and miscellaneous (includes supervision at Georgetown and West Newbury, Mass.).	6,118.69	Norfolk, Va.....	Preparation and shipping and miscellaneous (includes supervision at Smithfield, Va., and Wilmington, N. C.).	4,546.70
Houston, Tex.....	Ante mortem, post-mortem, preparation and shipping, and miscellaneous.	11,135.40	North Adams, Mass.....	Preparation and shipping and miscellaneous.	223.25
Hudson, N. Y.....	Preparation and shipping and miscellaneous.	196.67	Ogden, Utah.....	Ante mortem, post-mortem, preparation and shipping, and miscellaneous.	4,539.72
Indianapolis, Ind.....	Ante mortem, post-mortem, preparation and shipping, and miscellaneous (includes supervision at Lebanon, Ind.).	55,083.64	Oklahoma, Okla.....	do.....	40,022.63
Jacksonville, Fla.....	Preparation and shipping and miscellaneous.	802.23	Ottumwa, Iowa.....	do.....	20,225.06
Jacksonville, Ill.....	Ante mortem, post-mortem, preparation and shipping, and miscellaneous.	3,268.43	Paterson, N. J.....	do.....	14,420.91
Jefferson, Wis.....	do.....	1,824.34	Pensacola, Fla.....	Preparation and shipping and miscellaneous.	202.73
Jersey City, N. J.....	Ante mortem, post-mortem, preparation and shipping, and miscellaneous (includes supervision at Bayonne, Hoboken, and North Bergen, N. J.).	42,384.07	Peoria, Ill.....	Ante mortem, post-mortem, preparation and shipping, and miscellaneous.	7,580.86
Kansas City, Kans.....	Ante mortem, post-mortem, preparation and shipping, and miscellaneous (includes supervision at Kansas City, Mo., and Olathe and Rosedale, Kans.).	236,285.21	Philadelphia, Pa.....	Ante mortem, post-mortem, preparation and shipping, and miscellaneous (includes supervision at Camden, N. J., Dover, Del., and Media and West Chester, Pa.).	77,149.69
Keene, N. H.....	Ante mortem, post-mortem, preparation and shipping, and miscellaneous.	1,100.00	Phillipsburg, N. J.....	Preparation and shipping and miscellaneous.	877.97
Kirksville, Mo.....	do.....	2,859.58	Pittsburg, Kans.....	Ante mortem, post-mortem, preparation and shipping, and miscellaneous.	2,632.62
La Crosse, Wis.....	do.....	2,847.53	Pittsburgh, Pa.....	Ante mortem, post-mortem, preparation and shipping, and miscellaneous (includes supervision at McKeesport, New Castle, and Uniontown, Pa.).	30,151.98
Lafayette, Ind.....	do.....	4,365.13	Portland, Me.....	Ante mortem, post-mortem, preparation and shipping, and miscellaneous (includes supervision at East Deering, Me.).	6,560.12
Lewistown, Idaho.....	Ante mortem, post-mortem, preparation and shipping, and miscellaneous (includes supervision at Clarkston, Wash.).	4,604.37	Portland, Oreg.....	Ante mortem, post-mortem, preparation and shipping, and miscellaneous.	20,272.23
Lincoln, Nebr.....	Ante mortem, post-mortem, preparation and shipping, and miscellaneous.	1,309.35	Pottsville, Pa.....	do.....	5,340.60
Little Rock, Ark.....	do.....	1,557.53	Providence, R. I.....	Ante mortem, post-mortem, preparation and shipping, and miscellaneous (includes supervision at Central Falls, East Providence, Newport, and Pawtucket, R. I., and Fall River and South Bellingham, Mass.).	24,537.13
Logansport, Ind.....	do.....	3,305.81			
Los Angeles, Cal.....	Ante mortem, post-mortem, preparation and shipping, and miscellaneous (includes supervision at Pomona, Cal.).	34,839.03			
Louisville, Ky.....	Ante mortem, post-mortem, preparation and shipping, and miscellaneous.	12,066.10			
Macon, Ga.....	Preparation and shipping and miscellaneous.	440.00			
Madison, Ind.....	Ante mortem, post-mortem, preparation and shipping, and miscellaneous.	1,687.09			
Manchester, N. H.....	Preparation and shipping and miscellaneous.	1,381.40			
Marshalltown, Iowa.....	Ante mortem, post-mortem, preparation and shipping, and miscellaneous.	5,537.61			
Mason City, Iowa.....	do.....	5,541.98			
Medford, Oreg.....	Preparation and shipping and miscellaneous.	83.33			

Station.	Class of work.	Amount.	Station.	Class of work.	Amount.
Pueblo, Colo.....	Ante mortem, post-mortem, preparation and shipping, and miscellaneous.	\$4,118.53	Spokane, Wash.....	Ante mortem, post-mortem, preparation and shipping, and miscellaneous.	\$16,050.84
Quincy, Ill.....	Preparation and shipping and miscellaneous.	2,786.06	Syracuse, N. Y.....	Preparation and shipping and miscellaneous.	548.34
Reno, Nev.....	Ante mortem, post-mortem, preparation and shipping, and miscellaneous.	3,884.13	Tacoma, Wash.....	Ante mortem, post-mortem, preparation and shipping, and miscellaneous.	11,032.74
Richmond, Ind.....	do.....	1,811.61	Terre Haute, Ind.....	do.....	3,660.83
Richmond, Va.....	Ante mortem, post-mortem, preparation and shipping, and miscellaneous (includes supervision at Petersburg, Va.).	14,007.36	Toledo, Ohio.....	do.....	7,786.46
Rochester, N. Y.....	Preparation and shipping and miscellaneous.	1,117.25	Topeka, Kans.....	do.....	7,688.10
Rockford, Ill.....	Ante mortem, post-mortem, preparation and shipping, and miscellaneous.	4,957.25	Trenton, N. J.....	do.....	2,961.93
St. Louis, Mo.....	do.....	62,346.41	Troy, N. Y.....	do.....	6,250.41
Salt Lake City, Utah.....	Preparation and shipping and miscellaneous.	2,532.36	Wallace, Idaho.....	do.....	2,464.76
San Diego, Cal.....	Ante mortem, post-mortem, preparation and shipping, and miscellaneous.	7,840.66	Walla Walla, Wash.....	do.....	3,956.37
San Francisco, Cal.....	do.....	26,981.38	Washington, D. C.....	Ante mortem, post-mortem, preparation and shipping, and miscellaneous (includes supervision at Alexandria, Leesburg, Purcellville, and Rosslyn, Va., and Benning, D.C.).	15,188.02
Savannah, Ga.....	Preparation and shipping and miscellaneous.	1,117.27	Waterloo, Iowa.....	Ante mortem, post-mortem, preparation and shipping, and miscellaneous.	4,850.91
Scranton, Pa.....	do.....	1,244.29	Watertown, S. Dak.....	do.....	1,026.96
Seattle, Wash.....	Ante mortem, post-mortem, preparation and shipping, and miscellaneous.	21,567.13	Wheeling, W. Va.....	do.....	13,167.43
Shreveport, La.....	Preparation and shipping and miscellaneous.	1,261.40	Wichita, Kans.....	do.....	34,766.97
Sioux City, Iowa.....	Ante mortem, post-mortem, preparation and shipping, and miscellaneous.	60,678.43	Wilmington, Del.....	do.....	5,998.70
Sioux Falls, S. Dak.....	do.....	12,291.88	Winona, Minn.....	do.....	4,231.66
South Omaha, Nebr.....	do.....	152,594.73	Worcester, Mass.....	Ante mortem, post-mortem, preparation and shipping, and miscellaneous (includes supervision at Auburn and Fitchburg, Mass.).	9,540.89
South St. Joseph, Mo.....	do.....	97,224.87	Youngstown, Ohio.....	Ante mortem, post-mortem, preparation and shipping, and miscellaneous.	3,964.01
South St. Paul, Minn.....	Ante mortem, post-mortem, preparation and shipping, and miscellaneous (includes supervision at St. Paul, Minn.).	39,793.75			

## ERADICATION AND CONTROL OF ANIMAL DISEASES.

Total expenditure as above.....	\$525,028.48
Outstanding liabilities, Aug. 31 (estimated) ..	11,434.68
Unexpended balance (estimated).....	14,791.93
Total allotment.....	551,255.09

Distributed among the several subactivities approximately as follows:

Supervision of field employees: This work consists of directing the operations of 9 field stations, engaged in the control and final eradication of sheep and cattle scabies, tuberculosis, and other diseases that come to the attention of the bureau. This force consists of about 200 employees.	\$3,906.49
Eradication of sheep scabies: The sheep scab is a mite which infests the wool of a sheep and derives its nourishment from the animal, causing the wool to drop out and the animal to become feverish and lose weight. The eradication is effected by quarantine laws and by dipping the sheep in prepared solutions. The dipping is carried on at the expense of the owner of the sheep, but is supervised by an employee of the bureau who thoroughly understands the process. These employees are required to examine all shipments of sheep from infested areas to see that quarantine laws are not violated and to supervise dipping. About 150 employees are engaged in this work...	261,769.87
Cattle scabies: This disease is caused by a species of mite allied to the parasite which produces scabies in sheep. The treatment is similar to that employed for sheep scab...	167,779.15
Control and eradication of tuberculosis: This work is in its infancy and will develop as fast as the importance of eradication is recognized by the States and their individual citizens. During the fiscal year 1913 the bureau carried on tuberculosis work as	

follows: In cooperation with various States having laws prohibiting the importation of tubercular cattle; in cooperation with States having interstate regulations governing the movement of tubercular cattle; eradication in the District of Columbia in cooperation with the commissioners by destroying all animals found to be affected and reimbursing the owners for their losses. At present eradication of bovine tuberculosis is effected by slaughtering diseased animals and improving stable conditions. The District of Columbia, where all cows were tested, is considered free from this disease...	\$52,045.50
Hog cholera: This work consists of demonstrating the treatment of hog cholera with a serum developed by the bureau in connection with its project "Scientific Investigations of Animal Diseases".....	2,491.28
Eradication of dourine: Eradication of this disease is effected through destruction of diseased animals. The value of the horses destroyed represents a part of the cost of this project.....	5,390.66
Eradication and control of miscellaneous animal diseases: This project covers the work done by the bureau in investigating various minor animal diseases throughout the United States.....	5,239.54
Supervision of transportation of live stock: The object of this work is to enforce quarantine laws relating to live stock and to see that cars in which diseased or tick-infested cattle are transported are thoroughly cleaned and disinfected.....	31,096.75
Preparation and distribution of mallein: Mallein is manufactured by the bureau for use in testing horses and mules for glanders. The principal items of cost are meat, glycerin, and peptone for media. The amount herein reported represents the cost of manufacture, bottling, and packing. Shipment is made by mail.....	1,292.95

Investigation of dips and disinfectants: This work consists of analysis by the biochemic laboratory of all dips and disinfectants to be used in dipping and spraying animals infested with mites and ticks.....

\$5,450.97

Total..... 536,463.16

#### ERADICATION OF CATTLE TICKS.

Total expenditures as above..... \$250,274.97

Outstanding liabilities, Aug. 31 (estimated).. 2,210.15

Unexpended balance (estimated)..... 2,483.55

Total allotment..... 254,968.67

Field work: The object of this activity is the complete eradication of the southern cattle tick. This tick is confined exclusively to the Southern States, seriously infesting the cattle of that section, and is the only known agent through which the disease known as Texas fever or southern cattle fever is transmitted from animal to animal. Cattle thus affected are undesirable for food. The elimination of the fever depends on the eradication of the tick. As soon as this condition is reached the Southern States will have unrestricted freedom in the shipment of cattle to the North, and an impetus will be given to the raising of cattle in those States. The eradication of these ticks is accomplished by means of departmental quarantine laws and dipping or spraying. The cost of dipping is borne by the owner of the cattle, but is carried on under the personal supervision of a bureau employee, excepting in those States where the State legislature has made appropriations for carrying on the work. In such cases the bureau cooperates with the State. During the fiscal year the work was carried on from 7 central field stations representing about 150 men.....

249,308.18

Biochemic investigations: Covers analyses of dips and disinfectants used in dipping cattle to kill southern cattle ticks..... 1,910.86

Zoological experiments: Covers practical investigations to develop methods for exterminating the southern cattle tick..... 1,266.08

Total..... 252,485.12

#### DAIRYING INVESTIGATIONS.

Total expenditures as above..... \$206,123.10

Outstanding liabilities, Aug. 31 (estimated).. 5,635.29

Unexpended balance (estimated)..... 2,344.14

Total allotment..... 214,102.53

Distributed among the several subactivities approximately as follows:

Administration: Consists of supervising, conducting, and reporting on the several activities of the Dairy Division..... 32,890.60

Dairy farming investigation: This work covers the study of various problems relating to the development of the dairy farm, such as the organizing and encouraging of State agencies to organize and supervise self-supporting cow-testing associations; demonstrating the practicability of the small community raising its economic status through the employment of a field instructor skilled in dairying; demonstrating the practicability of reclaiming a worn-out cotton farm by dairying..... 29,472.40

Dairy manufacturing: This work consists of examining reports on butter from factories and giving advice and assistance to owners and managers of creameries regarding methods for preventing leaks, securing of good raw materials, and marketing finished prod-

ucts to best advantage, developing improved methods for the manufacture of ice cream; promoting the utilization of buttermilk for hog feeding; handling of eggs by creameries as side lines; investigation of the sanitary condition of creameries and cream buying stations; study of the shrinkage of butter between creamery and market when packed in various ways; and supervision of the packing of butter for the United States Navy.....

\$44,391.76

Dairy research laboratory: Deals with chemical and bacteriological problems relating to milk, butter, and cheese. Milk investigations consist of a study of the bacteria of milk and the products resulting from the presence of certain bacteria. A study of bacteria in commercial ice cream was also carried on. Butter investigations consist of questions relating to storage, influence of metal salts on flavor, determination of gases in butter, experiments to find means to detect butter neutralized with lime and soda, and production of pure bacterial cultures. In connection with the cheese investigations experiments have been made to control the ripening of Swiss cheese; chemical work on Cheddar cheese, involving a comparison of acids, esters, and alcohols in cheese of poor and good flavor to determine the origin of the flavoring matter; continuation of work on manufacture of cheese from pasteurized milk. Experiments also include the manufacture of Camembert and Roquefort types of cheese.....

43,440.39

Market milk investigations: The scope of this project is largely educational, with a view to improving local milk conditions, and is carried on mainly in cooperation with city health departments.....

5,945.51

Experimental farm, Beltsville, Md.: Work since date of purchase (March, 1912) has been directed toward putting the farm into shape, so that practical experiments may be conducted in all subjects which relate to the dairy industry. The portion of this farm controlled by the Dairy Division consists of about 187 acres, practically all of which was under cultivation the past season. Buildings have been erected to carry on experiments and animals purchased.....

28,237.91

Western dairy investigations: Introduction, development, and improvement of the business of dairying in the Western States.....

13,186.24

Renovated butter: Work is carried on under act of Congress of May 9, 1902, and consists of inspecting all factories at various intervals. The plan of inspecting is to enforce satisfactory sanitary conditions and to inspect materials used in the manufacture of renovated butter. Inspectors have authority to condemn materials when deleterious to health in the finished product. The Secretary of Agriculture must approve all brands, labels, and marks used on manufacturers' packages shipped interstate.....

7,663.44

Cactus-feeding experiments: A study of the value of cactus as a feed for dairy cattle in localities where cactus can be readily grown and where other forage crops are more or less limited on account of climatic conditions. The points covered are the quantity animals can consume economically, the feeding value as compared with other feeds, its effect upon the vigor of animals and upon their offspring, and effect upon quality of milk and its digestibility.....

3,130.14

Milk-secretion investigations: This work covers the chemical and physical research of milk as it comes from the cow, for the purpose of ascertaining what effect various

kinds of feed have on the quantity and quality of milk so produced.....	\$3,400.00	Supervisory work of quarantine division: Consists of directing and supervising work of inspecting animals imported for the purpose of detecting and quarantining those found diseased.....	\$8,488.05
Total.....	211,758.39	Quarantine stations: Inspection of imported animals at Athenia, N. J., Littleton, Mass., and Baltimore, Md.....	21,135.92
ANIMAL HUSBANDRY INVESTIGATIONS.		Canadian inspection: Inspection of animals imported across the Canadian border.....	27,123.23
Total expenditures as above.....	\$170,685.24	Mexican cattle: Inspection of animals imported across the Mexican border.....	16,797.38
Outstanding liabilities, Aug. 31 (estimated)..	3,243.66	Total.....	73,544.58
Unexpended balance (estimated).....	2,925.20	SUPERVISION OF EXPORT CATTLE.	
Total allotment.....	176,854.10	Total expenditure as above.....	\$20,484.48
Distributed among the various subactivities approximately as follows:		Distributed among the various subactivities approximately as follows:	
Administration: Consists of planning and directing the work of the division, keeping records of experiments, and compiling reports showing results of work.....	\$18,195.43	Export cattle: Animals are inspected to see that they conform to regulations of the countries to which they are to be shipped..	\$16,737.60
Beef-nutrition investigations: Study of the nutrition of beef cattle by means of respiration calorimeter.....	3,503.60	Vessel inspection: Vessels are inspected to ascertain whether the animals have proper quarters and treatment.....	3,746.88
Beef and pork production investigations: Determination of the economy of beef and pork production in the Gulf States and best methods of raising and fattening cattle in that section.....	2,966.48	Total.....	20,484.48
Certification of animals imported for breeding purposes: This work involves the determination of the purity of animals imported for breeding purposes under the provisions of the tariff law.....	5,597.09	SCIENTIFIC INVESTIGATION OF ANIMAL DISEASES.	
Experimental farm, Beltsville, Md.: This farm is maintained to give the bureau proper facilities for conducting experiments in animal husbandry. Practically all work has been directed toward putting the farm in shape for this work. Fences have been erected, drains laid, and buildings repaired and constructed.....	39,261.14	Total expenditure as above.....	\$131,579.91
Holstein cattle breeding: This project has for its object the securing of thoroughbred Holstein cattle suitable for conditions in the semiarid West.....	800.00	Outstanding liabilities, Aug. 31 (estimated)..	2,144.89
Horse-breeding investigations: Covers experiments in the production of a breed of horses from American material suitable for carriage and general purposes; regeneration of the Morgan horse; establishment of a breed of gray American draft horses by uniting qualities of Clydesdale and English Shire horses; study of the economy of feeding and raising horses and mules, and improvement of horses bred on Indian reservations.....	33,994.30	Unexpended balance (estimated).....	575.52
Army horse-breeding investigations: Breeding high-grade stallions, the property of the Government, to mares owned by farmers, in order to develop horses suitable for the United States Army.....	48,914.18	Total allotment.....	134,300.32
Poultry breeding: This project covers the breeding and cross-breeding of poultry for egg production and at the same time meets the demands of the market for good food fowls.....	11,370.53	Distributed among the several subactivities approximately as follows:	
Sheep breeding: The object of this experiment has been to obtain by breeding the best animals for the production of wool and food.....	8,236.45	Pathological laboratory: All work carried on under this head covers the scientific investigation of animal diseases and study of methods of eradication. During the year investigations were made relative to the infectious abortion of cattle, forage poisoning or cerebro-spinal meningitis, mycotic stomatitis, swamp fever, dourine, glanders, tetanus, Malta fever, rabies, blackleg, chronic mastitis, etc.....	\$35,658.55
Principles of animal breeding: Study of the principles of animal breeding by use of small animals, most attention to date being paid to inbreeding.....	1,089.70	Zoological laboratory: The work of this laboratory covers the investigation of parasitic diseases of animals and the study, collection, and determination of animal parasites and their eradication.....	17,409.58
Total.....	173,928.90	Biochemic laboratory: The principal problem undertaken was a scientific study of hog cholera and its eradication, resulting in the discovery of a serum which has proven effective in checking this disease.....	22,617.68
INSPECTION AND QUARANTINE OF IMPORTED ANIMALS.		Experimental station, Bethesda, Md.: The work at this station has been largely in cooperation with the bureau laboratories in the scientific study of animal diseases. An independent study of bovine tuberculosis and Texas fever was carried on during the year.....	58,038.99
Total expenditure as above.....	\$73,544.58	Total.....	133,724.80
Distributed among the various subactivities approximately as follows:		ENFORCEMENT OF THE 28-HOUR LAW.	
19994°—H. Doc. 385, 63-2—2		Total expenditure as above.....	\$4,368.43

The object of this work is to prevent cruelty to animals while in transit by railroad or other means of transportation outlined by act of Congress June 29, 1906.

## BUREAU OF PLANT INDUSTRY.

Statement of expenditures for the fiscal year ended June 30, 1913.

Projects.	Salaries.				Travel, station, and field expenses.	Equipment.	Apparatus, instruments, and laboratory materials.
	Statutory.	Lump fund.		Total.			
		In Wash- ington.	Out of Wash- ington.				
1 Pathological laboratory .....	\$7,474.50	\$18,710.39		\$26,184.89	\$362.02		\$87.90
2 Fruit diseases .....	3,635.00	20,308.34	\$7,051.19	30,994.53	5,439.60		513.35
3 Forest pathology .....	3,052.67	8,583.83	5,851.49	17,487.99	4,385.49		737.95
4 Cotton and truck diseases .....	3,770.50	12,115.74	3,520.86	19,407.10	3,861.07		119.75
5 Crop physiology .....	8,948.00	12,565.01	6,968.33	28,481.34	3,292.63		653.60
6 Bacteriology and nutrition .....	5,637.67	16,941.09	631.41	23,210.17	1,532.01		226.67
7 Crop acclimatization .....	4,237.50	12,693.01	7,427.25	24,357.76	6,983.56		302.50
8 Drug-plant, poisonous-plant, physio- logical, and fermentation investiga- tions .....	6,795.82	26,407.61	5,930.00	39,133.43	3,671.92		1,408.37
9 Crop technology .....	4,700.41	6,907.17	964.17	12,571.75	483.13		117.92
10 Cotton standardization .....	6,090.00	14,878.67	912.27	21,880.94	4,911.87		481.44
11 Grain standardization .....	7,263.24	12,526.75	26,532.66	46,322.65	4,096.87		712.80
12 Biophysical investigations .....	3,137.00	7,428.08	437.00	11,002.08	2,994.97		767.99
13 Drought-resistant seeds, special seeds and plants .....	4,747.99	10,081.13	963.67	15,792.79	926.68		585.22
14 Seed-testing laboratories .....	8,387.95	14,365.32	4,648.73	27,402.00	901.77		153.50
15 Cereal investigations .....	12,522.08	34,067.92	25,671.33	72,261.33	9,019.04		1,306.49
16 Tobacco investigations .....	4,720.34	1,710.41	19,136.79	25,567.54	3,520.52		9.00
17 Forage-crop investigations .....	5,288.32	9,350.50	5,305.04	19,943.86	3,062.57		246.80
18 Paper-plant investigations .....	940.67	4,922.00	60.00	5,922.67	759.72		622.00
19 Alkali and drought-resistant plants .....	2,333.33	7,179.75	4,797.79	14,310.87	3,421.72		100.67
20 Sugar-plant investigations .....	1,990.83	14,946.00	10,211.05	27,147.88	2,435.65		398.42
21 Taxonomic and range investigations .....	6,860.00	17,914.00	100.00	24,874.00	1,306.26		219.36
22 Farm management .....	20,058.11	90,996.05	128,405.26	239,459.42	47,015.17		4,013.59
23 Farmers' cooperative demonstrations .....	23,521.31	22,367.99	249,369.17	295,258.47	49,022.37		1,704.78
24 Logged-off lands .....	3,297.00	1,200.00	1,500.00	2,700.00	1,650.83		
25 Dry-land agriculture .....		5,391.25	34,385.22	43,073.47	5,490.17		696.87
26 Northern Great Plains field station .....		2,187.50	1,024.16	3,211.66	1,249.78		3,581.02
27 Western irrigation agriculture .....	9,265.39	7,340.51	34,198.96	50,804.86	6,781.21		3,119.90
28 Pomological investigations .....	17,366.66	43,796.52	7,833.62	68,996.80	18,713.13		595.95
29 Experimental gardens and grounds .....	33,241.18	5,404.68		38,645.86	49.50		149.54
30 Arlington farm and horticulture .....	24,265.74	25,048.33	898.67	50,212.74	4,325.74		720.55
31 Administrative and miscellaneous .....	81,812.41	24,646.22		106,458.63	123.15		1,215.16
32 Congressional seed distribution .....	27,032.46	21,431.23	5,405.40	53,869.09	2,714.96		1,426.76
33 Foreign seed and plant introduction .....	13,879.10	17,717.33	19,309.92	50,906.35	5,034.92		683.43
34 Chestnut tree bark disease .....		16,514.44	22,402.74	38,917.18	16,001.14		1,724.56
35 Potatoes and sugar-beet seed under irri- gation .....		907.50	1,336.67	2,244.17	1,528.02		1,089.13
Total .....	366,273.18	569,552.27	643,190.82	1,579,016.27	227,069.16		30,492.94

## PROJECT STATEMENTS.

PATHOLOGICAL LABORATORY.		FRUIT DISEASES.	
Total expenditure as above .....	\$29,887.11	Total expenditure as above .....	\$40,699.29
Outstanding liabilities, Aug. 31 (estimated) ..	1,684.88	Outstanding liabilities, Aug. 31 (estimated) ..	2,947.45
Unexpended balance (estimated) .....	527.51	Unexpended balance (estimated) .....	250.26
Total allotment .....	32,099.50		43,897.00
Distributed among the several subactivities approxi- mately as follows:		Repayment to credit of appropriation .....	5.47
Central laboratory of plant pathology: Identifies and investigates the causes of and means of control of bacterial and other diseases of plant life. Diseased material is received from all parts of the United States and abroad for examination, and advice given as to methods of treatment .....	\$22,985.38	Total allotment .....	43,902.47
Pathological collections and inspection work: The maintenance of a herbarium of pathogenic specimens, also mycological and host indexes of new species and list of plants which they attack, and a mycological exchange with American and foreign scientists; the identification of pathological material received by correspondence or otherwise; and the carrying on of a rigid inspection of domestic and foreign plants to prevent diseases and guard against the importation of diseased material .....	8,586.61	Distributed among the several subactivities approxi- mately as follows:	
Total .....	31,571.99	Laboratory and office: Supervision of field experiments and demonstrations, prepara- tion of publications, laboratory experi- ments, and clerical routine .....	\$6,724.91
		General orchard diseases: Investigations of pear blight, little peach, peach yellows, apple and nut diseases, and all miscella- neous fruit diseases not specified in other projects .....	10,568.53
		Diseases of citrus and subtropical fruits: The field experiments for this project are carried on principally in Florida and Cali- fornia .....	3,742.70
		Grape and small-fruit disease investigations: Research work in diseases of the grape and cranberry and other small fruits, including the study of the life history of the anthrac- noses and other fungi attacking these fruits,	

BUREAU OF PLANT INDUSTRY.

Statement of expenditures for the fiscal year ended June 30, 1913.

Stationery.	Furniture.	Rent.	Telegraph, telephone, and postage.	Freight, express, and drayage.	Furnishing of heat, light, power, and electricity.	Forage and other supplies for animals when purchased in bulk.	Fuel.	Miscellaneous.		Total.	
								Supplies, services, etc.	Specified items not otherwise classified.		
\$1,527.78	\$268.95		\$2.06	\$22.02				\$1,431.49		\$29,887.11	1
1,287.99	86.45	\$157.72	39.29	166.39			\$28.40	1,985.57		40,699.29	2
2,999.02	536.32		56.90	638.68				1,978.43		28,820.78	3
197.79		25.81	68.19	165.20				2,119.94		25,964.85	4
784.59	480.50	222.00	101.60	225.99		\$221.51	26.29	3,933.94		38,423.99	5
1,691.92	169.50	90.00	18.81	67.53				2,347.74		29,354.35	6
479.36	617.52	542.02	100.28	116.62		17.85	10.50	1,984.82		35,462.79	7
1,276.53	300.66	80.00	27.98	254.45		52.67	24.00	3,402.43		49,632.44	8
200.40	97.35		8.50	17.40				684.43		14,179.88	9
636.36	583.82	104.90	129.02	159.33				5,034.14		33,921.82	10
817.56	991.87	3,492.00	402.31	377.22			10.25	4,344.43		61,567.96	11
765.79	5.00		41.22	386.92				1,645.58		17,609.55	12
659.04	284.24	120.00	17.95	361.57		18.35	14.50	31,743.57		50,523.91	13
204.79	59.57		16.31	217.86				2,589.55		31,545.35	14
739.15	281.75		114.87	289.95		278.71	8.25	5,829.10		90,128.64	15
180.17		110.00	23.56	42.81			11.29	1,875.93		31,340.82	16
140.02	131.38	342.06	27.37	84.34				2,231.07		26,209.47	17
260.77	82.66	45.16	19.46	108.05				3,917.28		11,737.77	18
102.58			24.28	117.90				836.89		18,914.91	19
995.50	55.23	234.51	56.56	484.55			44.90	4,320.19		36,173.39	20
383.59	318.52		23.67	38.44				715.83		27,879.67	21
4,399.47	2,576.17	783.70	487.14	456.21			61.52	9,515.97		308,718.36	22
3,419.78	247.06	835.00	427.46	159.44			32.50	3,806.10		354,912.96	23
77.54	33.50		10	85				3.25		4,466.07	24
319.63	208.72	542.25	173.73	217.17		428.75	34.28	17,731.31	1,350.00	72,416.35	25
118.70	121.60	250.00	12.47	1,431.40		230.42	12.56	18,317.51	2,987.70	38,410.82	26
630.99	411.10		219.39	345.55		901.87	472.12	13,727.71		77,414.70	27
580.70	376.24	720.00	260.35	967.56				8,713.72		99,924.45	28
73.84			5.77	63.94				8,108.88		47,097.33	29
453.86		240.00	114.96	352.78			279.36	5,609.04		62,309.03	30
659.26	1,398.33	450.00	170.83	6.80			45.00	3,331.65		113,888.81	31
1,296.47	987.97	116.13	295.15	5,038.54			31.80	181,832.47		247,009.34	32
1,885.62	189.48	44.45	314.49	601.23			173.42	11,156.18		71,163.21	33
4,757.69	519.61	105.00	41.67	80.65		5.40		2,682.35		64,835.25	34
651.83		64.84	19.62	89.01			12.75	1,988.05		7,687.42	35
35,686.08	12,421.07	9,717.55	3,813.32	14,154.35		2,328.95	1,333.91	371,425.54	13,373.70	2,300,832.84	

<sup>1</sup> Buildings.

<sup>2</sup> Land.

the various pathological factors which produce diseases, and the most effective means of combating them..... \$6,446.15

Spraying demonstrations and experiments: Includes spraying demonstrations for the control of apple bitter rot, blotch, scab, etc., peach and plum brown rot; also investigation of decays of deciduous fruits which attack the fruit after picking and while in transit or storage..... 12,629.61

Physiological fruit diseases: The study of the nonparasitic diseases of fruit trees, with especial reference to nutrition, soil troubles, stigmatose, and alkali injury, and the effect of climatic conditions..... 3,534.78

Total..... 43,646.74

FOREST PATHOLOGY.

Total expenditure as above..... \$28,820.78

Outstanding liabilities Aug. 31 (estimated)... 3,264.83

Unexpended balance (estimated)..... 27.06

Repayment to credit of appropriation..... 32,112.67

Total allotment..... 32,113.84

Distributed among the several subactivities approximately as follows:

Laboratory and office: Planning and supervising field investigations; laboratory experiments in connection with the pathological studies; preparation of publications; correspondence and general office details..... \$4,459.64

Diseases of ornamental and shade trees: A general investigation of the causes and means of control of all diseases of ornamental trees and shrubs; special attention being given to the bark disease of the chestnut tree..... 2,754.01

Pathological problems in wood preservation: Includes an investigation of the cause of stain of coniferous and other woods; study of fungi associated with wood-boring beetles, of the decay of mining timbers, and histology and cytology of coniferous wood..... 3,848.70

Forest tree diseases: A study of the causes and control of miscellaneous diseases of deciduous and coniferous trees, including the leaf blight of white pine and young conifers and the damping-off disease of forest-tree seedlings. This work is conducted in the National Forest Reserves in cooperation with the Forest Service..... 21,023.26

Total..... 32,085.61

COTTON AND TRUCK DISEASES.	
Total expenditure as above.....	\$25,964.85
Outstanding liabilities, Aug. 31 (estimated)...	84.46
Unexpended balance (estimated).....	21.19
	<hr/>
Repayment to credit of appropriation.....	26,070.50
	.50
	<hr/>
Total allotment.....	26,071.00
Distributed among the several subactivities approximately as follows:	
Office and laboratory: Planning and directing field investigations; laboratory experiments and studies; preparation of publications; correspondence and general office details.....	\$3,570.15
Cotton diseases: Investigation of cotton rust, anthracnoses, and other diseases, and the breeding of wilt-resistant varieties.....	5,175.01
Truck-crop diseases: A study of the causes and control of miscellaneous diseases of truck crops, and the breeding of resistant varieties.....	16,256.24
Forage-crop diseases: Investigation of cowpea and clover diseases, and bacterial and fungous diseases of alfalfa.....	1,047.91
	<hr/>
Total.....	26,049.31

CROP PHYSIOLOGY.	
Total expenditures as above.....	\$38,423.99
Outstanding liabilities, Aug. 31 (estimated)...	1,480.36
Unexpended balance (estimated).....	155.65
	<hr/>
Repayment to credit of appropriation.....	40,060.00
	23.35
	<hr/>
Total allotment.....	40,083.35
Distributed among the several subactivities approximately as follows:	
Laboratory and office: Conducting miscellaneous laboratory experiments; planning and directing field investigations; correspondence and various administrative details.....	\$9,718.06
Cooperative testing farms on Indian reservations in the Southwest: The breeding and testing of crops which may be grown profitably by the Indians themselves, or for which Indian labor may be utilized.....	7,380.32
Establishment of date culture and breeding new varieties of dates.....	7,195.37
Caprification of the fig and breeding new varieties of figs and caprifigs.....	2,362.58
Life history and breeding of citrous fruits: The propagation and dissemination of new and hardy types.....	9,489.91
Dry-land arboriculture: Consists of experimental testing of deep-rooted and drought-resistant trees and shrubs for dry-land regions.....	2,766.52
Miscellaneous laboratory and field work: Includes investigations of pistache and truffle culture, electroculture, and the application of stimulation treatments to seeds and plants.....	991.59
	<hr/>
Total.....	39,904.35

BACTERIOLOGY AND NUTRITION.	
Total expenditure as above.....	\$29,354.35
Outstanding liabilities, Aug. 31 (estimated)...	880.93
Unexpended balance (estimated).....	205.39
	<hr/>
Total.....	30,440.67
Repayment to credit of appropriation.....	63.15
	<hr/>
Total allotment.....	30,503.82

Distributed among the several subactivities approximately as follows:	
Laboratory and office: Preparation of publications, correspondence, and office routine, and laboratory experiments in connection with soil bacteriology.....	\$4,376.01
Distribution and study of legume bacteria: A study of the life history of the nodule-forming bacteria; experiments in the breeding and selection of more virile types of nodule-forming bacteria, and the distribution of these bacteria for the inoculation of leguminous crops.....	5,398.38
Soil bacteriology: A comprehensive study of the relation of soil bacteria to soil fertility and crop production.....	13,833.31
Plant-nutrition investigations: A study of the methods for determining the fertilizer requirements of crops and the functions of the different elements of plant food in their relation to the nutrition and composition of crop plants.....	6,627.58
	<hr/>
Total.....	30,235.28

CROP ACCLIMATIZATION.	
Total expenditure as above.....	\$35,462.79
Outstanding liabilities, Aug. 31 (estimated)...	1,882.77
Unexpended balance (estimated).....	191.94
	<hr/>
Total.....	37,537.50
Repayment to credit of appropriation.....	7.98
	<hr/>
Total allotment.....	37,545.48

Distributed among the several subactivities approximately as follows:	
Office and laboratory: Correspondence, photographic work, preparation of publications, laboratory experiments, and administrative routine.....	\$6,137.58
Acclimatization and adaptation and breeding of cotton: Investigating weevil-resistant and drought-resistant types of cotton and studying the factors of local adjustment....	20,193.19
Acclimatization of corn: Concerns foreign varieties especially and the extension of corn culture into regions where corn is not now grown or is a precarious crop.....	8,745.42
Acclimatization and adaptation of tropical plants: Study of the plants in their native habitat, particular attention being given to coffee, cacao, rubber and rubber substitutes, economic palms, and other tropical fruits and vegetables.....	2,269.37
	<hr/>
Total.....	37,345.56

DRUG PLANT, POISONOUS PLANT, PHYSIOLOGICAL, AND FERMENTATION INVESTIGATIONS.	
Total expenditure as above.....	\$49,632.44
Outstanding liabilities, Aug. 31 (estimated)...	2,584.29
Unexpended balance (estimated).....	77.09
	<hr/>
Total.....	52,293.82
Repayment to credit of appropriation.....	.60
	<hr/>
Total allotment.....	52,294.42

Distributed among the several subactivities approximately as follows:	
Office and laboratory: Planning and supervising field investigations, correspondence, laboratory experiments, and usual administrative routine.....	\$10,610.21
Drug and related plants and their products: Investigations with camphor, hops, vegetable oil crops, American tea, etc., includ-	

ing laboratory experiments for determining principal content, utilization of valuable constituents, and other technical problems. Field tests conducted at Arlington, Va., Ebenezer, S. C., Orange City, Fla., Madison, Wis., and other points..... \$20,379.30

Poisonous-plant investigations: Field and laboratory studies of plants and plant products poisonous to man and animals, including larkspurs, death camas, lupines, etc., found on the western stock ranges..... 10,904.89

Investigations in plant physiology and fermentation: Technical physiological studies of crop plants and their products, conducted, in various instances, in cooperation with pathological and crop investigations of other offices of the bureau..... 10,322.33

Total..... 52,216.73

## CROP TECHNOLOGY AND FIBER-PLANT INVESTIGATIONS.

Total expenditure as above..... \$14,179.88

Outstanding liabilities, Aug. 31 (estimated).. 680.46

Unexpended balance (estimated)..... 240.07

Repayment to credit of appropriation..... 15,100.41

13.47

Total allotment..... 15,113.88

Distributed among the several subactivities approximately as follows:

Agricultural technology: Improvement of agricultural apparatus; development of apparatus for solar and artificial projection in connection with illustrative work; improvement in methods of grading and milling grain; and various other technological problems..... \$7,076.09

Fiber investigations: Cultivation of sisal, henequen, and similar hard-fiber plants in the United States and insular possessions; extension of flax and hemp industries in this country both for seed and fiber; investigations of plant fibers used in brushes, upholstery, and other textile lines; laboratory work in measuring and testing tensile strength of fibers; and identification of fibers and fiber plants..... 7,784.25

Total..... 14,860.34

## COTTON STANDARDIZATION.

Total expenditure as above..... \$33,921.82

Outstanding liabilities, Aug. 31 (estimated).. 3,792.37

Unexpended balance (estimated)..... 55.81

Repayment to credit of appropriation..... 37,770.00

60.02

Total allotment..... 37,830.02

Distributed among the several subactivities approximately as follows:

Cotton standardization: Preparation and distribution of copies of the official cotton grades; investigations of methods of grading and ginning cotton, and improvement of methods for the measurement of cotton staple..... \$5,820.82

Farmers' cooperative cotton handling and marketing: Investigation of methods of cotton handling and marketing with a view to their improvement through educational and demonstrational methods and the development of the community idea in cotton growing..... 11,893.37

Total..... 237,714.19

## GRAIN STANDARDIZATION.

Total expenditure as above..... \$61,567.96

Outstanding liabilities, Aug. 31 (estimated).. 1,040.30

Unexpended balance (estimated)..... 44.98

Repayment to credit of appropriation..... 62,653.24

10.43

Total allotment..... 62,663.67

Distributed among the several subactivities approximately as follows:

Office and laboratory: Supervision of grain standardization investigations, including work at laboratories maintained outside of Washington; fixing and promulgating of definite grades; correspondence, and other details of clerical and scientific work..... \$9,472.16

Grain handling, grading, and transportation: A study of the influence on grades and market values as affected by methods of handling grain on the farm, in transit on cars and steamships, and while in storage; study of relation between the commercial grade of grain and its milling and baking value; laboratory experiments for determining moisture content, effect of chemical changes, various kinds of damage, shrinkage, etc., and the fundamental causes of deterioration, with a view to establishing uniform and definite standards for the grading of commercial grain on the basis of intrinsic values..... 53,136.10

Total..... 62,608.26

## PHYSICAL INVESTIGATIONS.

Total expenditure as above..... \$17,609.55

Outstanding liabilities, Aug. 31 (estimated).. 1,062.15

Unexpended balance (estimated)..... 70.30

Repayment to credit of appropriation..... 18,742.00

40

Total allotment..... 18,742.40

Distributed among the several subactivities approximately as follows:

Office project: Correspondence and clerical routine in connection with field and laboratory investigations..... \$2,867.98

Biophysical field investigations: The study and comparison of environmental conditions under which crops can be produced in the semiarid regions; investigation of the most efficient methods of conserving moisture and plant nutrients in the soil, and other related problems..... 11,099.92

Biophysical laboratory investigations: Development of improved apparatus for rapid determination of moisture content of grain during transit; experiments in electroculture; methods of correcting unfavorable nutrient solutions in the soil which lead to malnutrition of plants, and various other biophysical experiments in cooperation with the different offices of the bureau..... 4,703.80

Total..... 18,671.70

## SPECIAL SEEDS AND PLANTS.

Total expenditure as above..... \$50,523.91

Outstanding liabilities, Aug. 31 (estimated).. 3,749.72

Unexpended balance (estimated)..... 454.36

Total allotment..... 54,727.99

Distributed among the several subactivities approximately as follows:

Introduction and distribution of special seeds and plants: The purchase and propagation of miscellaneous seeds and plants for distribution to growers and experimenters in various localities of the United States and its insular possessions, as well as foreign countries in exchange for seed and plant material desired for propagation and distribution in this country.	\$16,786.70
Distribution of drought-resistant field seeds: The purchase of seeds of drought-resistant field crops, both foreign and domestic, for distribution in the semiarid regions...	37,486.93
Total.....	54,273.63

#### SEED-TESTING LABORATORIES.

Total expenditure as above.....	\$31,545.35
Outstanding liabilities, Aug. 31 (estimated)...	951.52
Unexpended balance (estimated).....	421.08

Total allotment..... 32,917.95

Distributed among the several subactivities approximately as follows:

General supervisory and office work: Planning and directing work in all the laboratories; correspondence and administrative routine.....	\$9,044.88
Seed testing: Making tests at laboratories in and out of Washington for germination and mechanical purity of samples of seeds submitted by farmers and seedsmen; perfecting seed-testing apparatus, etc.....	11,073.65
Seed purity and vitality investigations: Tests to determine conditions required for rapid and complete germination and greater vitality, and to distinguish characters of closely allied economic seeds in order to disseminate information as to identity of various classes of commercial seeds.....	5,480.30
Adulterated-seed investigations: Testing commercial seeds for proof of adulteration, in accordance with law.....	6,898.04
Total.....	32,496.87

#### CEREAL INVESTIGATIONS.

Total expenditures as above.....	\$90,128.64
Outstanding liabilities Aug. 31 (estimated)...	3,594.98
Unexpended balance (estimated).....	180.46

93,904.08

Repayment to credit of appropriation..... 59.42

Total allotment..... 93,963.50

Distributed among the several subactivities approximately as follows:

Laboratory and office: Planning and directing field work; preparation of publications; laboratory experiments in connection with cereal diseases; correspondence, and other clerical and laboratory routine.....	\$15,204.67
Production and improvement of cereal crops and their products: Investigations include wheat, oats, barley, rice, grain sorghums, broom corn, and other grains.....	17,192.23
Maintenance of general field stations: Experiments in the introduction, improvement, and methods of production of cereals at various field stations.....	36,249.45
Cereal diseases: Laboratory and field experiments and studies in the life history of rusts, smuts, scab, and other diseases of grain, and methods of control; breeding of disease-resistant types of grains.....	5,023.53

Corn investigations: Laboratory and field experiments in the production and improvement of corn; a study of the effects on corn of heredity and environment; production of improved strains for the different geographical sections of the United States, and tests and demonstrations of best practical methods of seed-corn selection, fumigation, drying, and preservation.....

\$20,053.74

Total..... 93,723.62

#### TOBACCO INVESTIGATIONS.

Total expenditure as above..... \$31,340.82  
Outstanding liabilities Aug. 31 (estimated)..... 618.17  
Unexpended balance (estimated)..... 141.35

32,100.34

Repayment to credit of appropriation..... .75

Total allotment..... 32,101.09

Distributed among the several subactivities approximately as follows:

General supervisory and office work: Planning and directing work in the field, correspondence, and clerical routine.....	\$8,286.64
Connecticut Valley tobacco investigations: The improvement of native tobaccos by hybridization, breeding and selection, fertilization, etc., and a study of tobacco diseases.....	3,189.51
Maryland tobacco investigations: The work of this and the following tobacco projects is similar to that in the Connecticut Valley.	1,169.58
Kentucky tobacco investigations.....	2,480.92
Ohio tobacco investigations.....	1,443.68
New York tobacco investigations.....	1,613.72
Virginia tobacco investigations.....	4,225.50
North Carolina tobacco investigations.....	4,758.60
Pennsylvania tobacco investigations.....	1,957.65
South Carolina tobacco investigations.....	2,833.19

Total..... 31,958.99

#### FORAGE-CROP INVESTIGATIONS.

Total expenditure as above..... \$26,209.47  
Outstanding liabilities Aug. 31 (estimated)..... 466.60  
Unexpended balance (estimated)..... 2.25

26,678.32

Repayment to credit of appropriation..... .30

Total allotment..... 26,678.62

Distributed among the several subactivities approximately as follows:

General administration: Planning and directing field work; preparation of publications; correspondence and office routine...	\$8,947.97
Forage-crop investigations: Experiments and tests with alfalfa, clover, grass, and minor forage crops, such as soy beans, cowpeas, velvet beans, bur clovers, and vetches; and a study of improved methods of culture of forage crops in the semiarid regions.....	17,728.10

Total..... 26,676.07

#### PAPER-PLANT INVESTIGATIONS.

Total expenditure as above..... \$11,737.77  
Outstanding liabilities Aug. 31 (estimated)..... 1,615.79  
Unexpended balance (estimated)..... 167.11

Total allotment..... 13,520.67

Utilization of crop plants as paper stock, including tests of corn-stalks, rice straw, broom corn, stover, and other material from both wild and cultivated plants as substitutes for wood in paper making..... \$13,353.56

## ALKALI AND DROUGHT-RESISTANT PLANTS.

Total expenditure as above..... \$18,914.91  
Outstanding liabilities Aug. 31 (estimated).. 1,129.75  
Unexpended balance (estimated)..... 68.67

Repayment to credit of appropriation..... 4.00

Total allotment..... 20,117.33

Distributed among the several subactivities approximately as follows:

Breeding and physiology of alkali and drought-resistant plants: Breeding of forage and other crop plants suitable for cultivation under alkali and drought conditions; investigation of the physiology of alkali and drought resistance; study of the value of native vegetation as an indicator of the capabilities of land for crop production in arid and semiarid regions; life history and breeding of pomegranates..... \$15,605.00

Egyptian cotton breeding and alkali and drought-resistance investigations in the arid Southwest..... 4,439.66

Total..... 20,044.66

## SUGAR-PLANT INVESTIGATIONS.

Total expenditure as above..... \$36,173.39  
Outstanding liabilities Aug. 31 (estimated).. 1,365.87  
Unexpended balance (estimated)..... 236.57

Total allotment..... 37,775.83

Distributed among the several subactivities approximately as follows:

Office and laboratory: General office details and laboratory work in connection with the investigation of sugar beets and other sugar-producing plants..... \$6,376.28

Sugar-beet investigations: Includes investigations of the diseases of sugar beets, experiments looking to improved cultural methods and breeding of improved varieties.. 29,942.54

Sugar-cane investigations..... 521.55

Minor sugar-plant investigations: Work includes maple, sorghum, and miscellaneous sugar-producing plants..... 698.89

Total..... 37,539.26

## TAXONOMIC AND RANGE INVESTIGATIONS.

Total expenditure as above..... \$27,879.67  
Outstanding liabilities, Aug. 31 (estimated).. 817.42  
Unexpended balance (estimated)..... 92.91

Total allotment..... 28,790.00

Distributed among the several subactivities approximately as follows:

Administration: General supervisory and office work, including the planning and directing of scientific investigations..... \$7,857.81

Range investigations: A study of the life history of forage plants of the national ranges; experiments in pasturing and in both natural and artificial reseeding of destructively overgrazed and worn-out range lands..... 2,249.24

Economic botany of native-plant races: Work has special reference to the utilization of valuable species in the western United States, Mexico and South America, and plants used by the American aborigines..... \$4,378.37

Botany of economic grasses: The collection and identification of economic grasses, both native plants and foreign introductions; the preservation of authentic and correctly-named specimens, and the compilation of a manual of North American grasses..... 5,833.50

Systematic work in economic botany: Includes an economic monograph of the heather and blueberry families with special reference to their utilization in the United States; the preparation and publication of bulletins on nonperennial Medicagos and varieties of Philadelphus, Deutzia, Escalonia, and their allies, and various other economic problems..... 8,378.17

Total..... 28,697.09

## FARM MANAGEMENT.

Total expenditure as above..... \$308,718.36  
Outstanding liabilities, Aug. 31 (estimated).. 4,867.46  
Unexpended balance (estimated)..... 1,972.29

315,558.11

Repayment to credit of appropriation..... 153.17

Total allotment..... 315,711.28

Distributed among the several subactivities approximately as follows:

Administrative and supervisory: Planning and directing field investigations, correspondence, and usual office details..... \$43,506.31

Farm economics: Detailed studies of the relation of farm income to factors of production, including cost accounting investigations, farm-management surveys, study of farm equipment, etc..... 53,193.14

Special farm-management studies: Investigations of tenant farming; relation of weeds and tillage to farm management; relation of farm practice to yields; relation of geographic factors to farm enterprises; study of hay making and utilization, farm credits, farm insurance, etc..... 37,566.35

Farm management field studies and demonstrations: Regional investigations of the practices, organization, and administration of individual farms; and studies of types and systems of farming, with a view to enabling farmers to improve their systems of farm management..... 169,120.52

Utilization of cacti and dry-land plants: Experiments to determine the value of the prickly pear as forage, for ornamental purposes, and for human food, and to develop spineless varieties of cactus; also studies to determine the carrying capacity of ranges, means of restoring over-grazed areas, and investigation of range management under different conditions..... 10,199.50

Total..... 313,585.82

## FARMERS' COOPERATIVE DEMONSTRATIONS.

Total expenditure as above..... \$354,912.96  
Outstanding liabilities, Aug. 31 (estimated).. 767.91  
Unexpended balance (estimated)..... 170.44

355,851.31

Repayment to credit of appropriation..... 58.71

Total allotment..... 355,910.02

Distributed among the several subactivities approximately as follows:

Office project: General administrative and supervisory work; outlining plans for co-operators and agents in the field, correspondence, and various office details.....	\$61,230.66
Demonstration work in the South: The study and demonstration of improved cultural methods, diversification of crops, preparation of soil, selection of seed, and other means of counteracting effects of the invasion and ravages of the cotton-boll weevil..	294,450.21
Total.....	355,680.87

#### LOGGED-OFF LAND INVESTIGATIONS.

Total expenditure as above.....	\$4,466.07
Outstanding liabilities, Aug. 31 (estimated)..	117.02
Unexpended balance (estimated).....	416.91
Total allotment.....	5,000.00
These investigations consist of the working out of methods for clearing logged-off lands and their utilization for agricultural and dairying purposes.....	4,583.09

#### DRY-LAND AGRICULTURE.

Total expenditures as above.....	\$72,416.35
Outstanding liabilities, Aug. 31 (estimated)..	3,391.46
Unexpended balance (estimated).....	369.19
	76,177.00
Repayment to credit of appropriation.....	.55
Total allotment.....	76,177.55

Distributed among the several subactivities approximately as follows:

Office project: Planning and directing field work, preparation of publications, correspondence, and other supervisory and administrative work.....	\$11,583.74
Methods of crop production under dry-land conditions: Experiments in crop rotation and cultural methods suitable to the Great Plains area, carried on at various field stations in North and South Dakota, Montana, Nebraska, Colorado, Kansas, New Mexico, and Texas.....	64,224.07
Total.....	75,807.81

#### NORTHERN GREAT PLAINS FIELD STATION.

Total expenditure as above.....	\$38,410.82
Outstanding liabilities, Aug. 31 (estimated)..	10,881.24
Unexpended balance (estimated).....	82.94
Total allotment.....	49,375.00
An experimental farm to demonstrate the kind and character of plants, shrubs, trees, berries, and vegetables best adapted to the climate and soil of the semiarid lands of the United States.....	49,292.06

#### WESTERN IRRIGATION AGRICULTURE.

Total expenditure as above.....	\$77,414.70
Outstanding liabilities, Aug. 31 (estimated)..	2,486.45
Unexpended balance (estimated).....	784.24
	80,685.39
Repayment to credit of appropriation.....	82.47
Total allotment.....	80,767.86

Distributed among the several subactivities approximately as follows:

Office project: Planning and directing field work, summarizing results for publication, correspondence, and other supervisory and office work.....	\$21,226.41
Irrigation agriculture investigations: The study of agricultural problems connected with subduing new and reclaimed lands and best methods of tillage, irrigation, etc., necessary for the utilization of these lands; and the supervision of experimental work in cooperation with other branches of the bureau and the Reclamation Service.....	58,674.74
Total.....	79,901.15

#### POMOLOGICAL INVESTIGATIONS.

Total expenditure as above.....	\$99,924.45
Outstanding liabilities, Aug. 31 (estimated)..	3,711.65
Unexpended balance (estimated).....	265.56
	103,901.66
Repayment to credit of appropriation.....	6.90
Total allotment.....	103,908.56

Distributed among the several subactivities approximately as follows:

Office project: Planning and directing field investigations; correspondence, and other necessary office routine.....	\$16,506.19
Fruit marketing, transportation, and storage: Studying causes of deterioration and means of improving the keeping and carrying quality of fruit by improved methods of picking, handling, precooling, and proper refrigeration during transit and in storage, special efforts being made to secure uniformity in packages and grade standards, and to bring about cooperative marketing in this country and abroad.....	39,104.04
Viticultural investigations: Experiments in the culture of native and foreign varieties of grapes, and methods of handling and marketing grapes and grape products, including a study of the unfermented grape-juice industry, with a view to extending the grape industry throughout the Middle and South Atlantic and Gulf States.....	13,721.14
Fruit-production investigations: A study of the adaptability of fruit varieties to environment in different sections, including the cultivation of fruits under semiarid conditions and in the national forests.....	8,625.69
Nut-culture investigations: Study of the relative merit and adaptability of pecan varieties to soils and climatic conditions of the South Atlantic and Gulf States; testing effects of cross-pollination on quantity and quality; also experimental work with the native and Japanese black walnuts, butternuts, filberts, chestnuts, and almonds.....	3,504.08
Pomological breeding investigations: To improve the quality and type of citrus fruits, especially in California, by breeding and selection; breeding hardy fruits adapted to conditions in the upper Mississippi Valley, in cooperation with the Iowa State Experiment Station and State Horticultural Society; improvement of peaches in the New England States through bud selection.....	5,789.57
Pomological collections: The compilation and maintenance of reference files; maintenance of herbarium and collections of models and paintings; the simplification of fruit nomen-	

clature; the furnishing of descriptions of varieties of fruits submitted for identification; and varietal studies of fruits cultivated at Arlington Farm.....	\$16,385.39
Total.....	103,636.10
EXPERIMENTAL GARDENS AND GROUNDS.	
Total expenditure as above.....	\$47,097.33
Outstanding liabilities, Aug. 31 (estimated).....	287.83
Unexpended balance (estimated).....	66.02
Total allotment.....	47,451.18
This work involves the general care of the department greenhouses and grounds, including the cost of construction and repair of greenhouses, growing and care of tropical and miscellaneous plants under glass, improvement of grounds—including the planting of trees and shrubs, etc.—experimental work with greenhouse crops, forcing of vegetables, growing florists' crops, providing greenhouse facilities for vegetable pathological and physiological experiments of various offices of the bureau, and general hybridization work.....	
	47,385.16
ARLINGTON FARM AND HORTICULTURE.	
Total expenditure as above.....	\$62,309.03
Outstanding liabilities, Aug. 31 (estimated).....	1,069.57
Unexpended balance (estimated).....	892.14
	64,270.74
Repayment to credit of appropriation.....	1,903.68
Total allotment.....	66,174.42
Distributed among the several subactivities approximately as follows:	
Office and laboratory: Supervision of horticultural investigations conducted at Arlington Farm, Va., and elsewhere; laboratory experiments, correspondence, and office routine.....	\$7,641.09
Arlington Farm: This project includes a wide variety of tests, breeding and selection work; maintenance of fruit variety and other horticultural collections for systematic study, comparison and description; and an investigation of methods of plant propagation.....	32,816.76
Truck-crop investigations: Includes the testing and developing of new and improved strains of vegetables and flowers under glass for commercial purposes; an exhaustive study of the peanut industry; improvement of celery by hybridization; fertilizer experiments; and a survey of the trucking regions of the United States.....	19,413.27
Landscape gardening, floriculture and miscellaneous horticultural investigations: Investigation of the arrangement, effects, and uses of trees, shrubs, and plants on streets, parks, and lawns; investigation of the efficiency of various systems of plant propagation.....	3,507.48
Total.....	63,378.60
ADMINISTRATIVE AND MISCELLANEOUS.	
Total expenditure as above.....	\$113,888.81
Outstanding liabilities, Aug. 31 (estimated).....	1,787.37
Unexpended balance (estimated).....	189.23
Total allotment.....	115,865.41

Distributed among the several subactivities approximately as follows:

Office of chief of bureau: This project covers the general administration of the business affairs of the bureau, and general direction of all its investigational activities, and includes the office of chief clerk, editorial office, office of records, central file section, and supply section.....	\$96,726.35
Office of assistant chief of bureau: Assists the chief of bureau in conducting the administrative work, and has general supervision over the bureau library.....	18,949.83
Total.....	115,676.18

## PURCHASE AND DISTRIBUTION OF VALUABLE SEEDS.

## (a) CONGRESSIONAL SEED DISTRIBUTION.

Total expenditure as above.....	\$247,609.34
Outstanding liabilities Aug. 31 (estimated).....	5,260.66
Unexpended balance (estimated).....	1,102.46
	253,972.46
Repayment to credit of appropriation.....	81.59
Total allotment.....	254,054.05

Distributed among the several subactivities approximately as follows:

Office project: Salaries and miscellaneous expenses of the office force connected with the supervision of the distribution of seeds and plants.....	\$25,617.52
Congressional distribution of seeds and plants: Purchase, transportation, handling, packeting, assembling, and mailing of vegetable, flower, cotton, tobacco, and lawn grass seeds, Dutch bulbs, strawberry plants, grapevines, and miscellaneous seeds and plants for distribution; cleaning seed purchased for distribution, and investigation of seed distribution methods; commercial production of Dutch bulbs and of sugar-beet seed, with a view to establishing the industries on a commercial basis in the United States.....	219,321.83
Testing and propagation of forage-crop seeds for congressional distribution: The purchase, inspection, weighing, handling, storing, cleaning, bagging, franking, and mailing of forage-crop seed for congressional distribution, and for direct distribution to experimenters.....	7,930.65
Total.....	252,870.00

## (b) FOREIGN SEED AND PLANT INTRODUCTION.

Total expenditure as above.....	\$71,163.21
Outstanding liabilities, Aug. 31 (estimated).....	1,384.78
Unexpended balance (estimated).....	71.11
	72,619.10
Repayment to credit of appropriation.....	762.51
Total allotment.....	73,381.61

Distributed among the several subactivities approximately as follows:

Office project: General direction of foreign introductions; securing through correspondence new and valuable seeds and plants from all parts of the world and distributing same for test among experimenters in this country.....	\$19,943.52
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Foreign explorations: Covers the cost of sending out trained agricultural explorers to investigate agricultural methods and resources of foreign countries and search for seeds and plants that may be useful and profitable to American planters and assist in the introduction and development of new plant industries.....

Plant-introduction field investigations: The maintenance of plant-introduction gardens at Chico, Cal.; Brooksville, Fla.; Ames, Iowa; and "Yarrow," near Rockville, Md., for the purpose of testing, propagating, and

\$6,795.03

distributing new plant introductions to suitable localities, according to climate and other conditions; investigations of special introduced crops, such as the dash-  
 een, mango, bamboo, etc.; and the raising of new varieties of loquat by hybridization. \$40,833.39

Investigations with foreign forage-crop seeds: The testing and distribution of varieties of grasses, legumes, and other field-crop seeds and plants secured from foreign countries.. 4,976.05

Total..... 72,547.99

FOREST SERVICE.

Statement of expenditures for the fiscal year ended June 30, 1913.

	Salaries.		Travel.		Wages.	Subsistence supplies.
	Statutory.	Lump fund.	Transportation.	Meals, lodgings, etc.		
1 Absaroka.....	\$11,411.61	\$3,067.06	\$296.75	\$766.30	\$789.73	\$306.05
2 Alamo.....	8,567.50	647.25	161.20	317.93	1,477.61	5.85
3 Angeles.....	27,458.60	8,905.78	905.70	1,743.95	7,775.96	1,106.65
4 Apache.....	16,207.75	5,361.08	367.13	1,448.82	2,062.81	738.92
5 Arapaho.....	11,661.11	4,575.56	338.59	1,173.12	1,717.02	194.47
6 Arkansas.....	19,263.04	5,943.90	2,587.60	4,132.69	7,916.31	701.26
7 Ashley.....	10,419.72	1,905.27	122.10	313.06	1,505.72	723.79
8 Battlement.....	9,722.48	1,664.17	234.90	731.11	1,284.28	41.18
9 Beartooth.....	10,129.44	2,307.22	614.63	673.05	1,303.09	5.97
10 Beaverhead.....	10,928.61	5,655.81	547.85	525.02	4,760.35	2,254.88
11 Bighorn.....	16,036.93	2,821.94	736.66	1,507.82	1,231.84	248.28
12 Bitterroot.....	11,408.89	7,185.03	258.23	588.32	6,538.02	948.16
13 Blackfeet.....	10,731.09	8,149.84	492.03	1,057.05	5,533.40	1,723.98
14 Black Hills.....	16,280.28	3,040.83	516.63	1,565.44	4,500.35	319.98
15 Boise.....	13,471.93	4,313.36	447.34	830.96	2,497.56	859.31
16 Bonneville.....	5,810.00	1,304.45	137.70	513.20	920.23	8.77
17 Bridger.....	6,059.43	687.50	64.30	160.63	961.25	24.22
18 Cabinet.....	8,938.03	5,437.19	348.84	648.50	1,215.49	938.26
19 Cache.....	12,669.45	1,385.56	209.35	354.10	2,928.66	545.06
20 California.....	12,209.98	10,120.22	417.85	806.95	1,457.88	2,035.92
21 Caribou.....	8,928.60	2,301.67	331.44	442.27	1,884.99	916.82
22 Carson.....	12,328.84	5,221.13	408.66	872.02	2,304.87	544.44
23 Cascade.....	10,395.01	5,826.38	414.50	588.93	3,833.23	.....
24 Challis.....	8,977.77	2,817.79	118.65	199.00	1,242.74	500.98
25 Chelan.....	6,723.88	2,393.34	398.55	416.85	3,212.35	908.43
26 Chiricahua.....	8,935.27	1,412.93	96.25	405.65	2,244.38	54.63
27 Chugach.....	.....	8,729.18	1,071.56	627.91	1,190.96	172.07
28 Clearwater.....	6,227.51	6,948.58	509.50	658.65	9,120.09	3,650.90
29 Cleveland.....	13,909.16	5,675.55	1,269.31	956.71	2,509.93	332.42
30 Cochetopa.....	10,542.75	1,905.84	305.18	690.52	3,209.50	276.18
31 Coconino.....	15,065.82	8,403.11	554.94	885.66	5,072.62	1,435.05
32 Coeur d'Alene.....	16,569.58	11,727.16	1,320.50	2,784.16	11,945.62	4,367.41
33 Colorado.....	10,904.15	2,365.01	676.00	976.87	1,825.19	325.96
34 Columbia.....	12,563.40	8,045.67	400.76	694.98	6,157.27	1,552.75
35 Colville.....	12,101.37	3,663.34	253.77	599.36	2,270.10	886.41
36 Coronado.....	13,317.49	717.50	265.45	743.91	3,051.50	39.50
37 Crater.....	13,245.55	9,783.85	767.69	1,145.35	9,998.29	3,726.37
38 Crook.....	10,286.66	793.22	182.10	407.38	3,850.51	20.90
39 Custer.....	5,065.55	2,935.29	250.96	356.05	437.23	113.47
40 Dakota.....	1,100.00	40.00	21.15	65.15	151.00	.....
41 Datil.....	17,383.98	4,176.10	763.64	1,144.13	6,452.90	932.06
42 Deerlodge.....	21,118.61	5,219.88	926.35	1,546.53	2,552.16	588.85
43 Deschutes.....	7,255.08	4,268.84	194.95	571.33	891.75	108.21
44 Dixie.....	11,259.45	449.16	85.89	251.07	997.75	557.70
45 Durango.....	10,156.37	3,336.65	267.01	597.29	3,092.16	110.45
46 Eldorado.....	10,889.16	4,959.64	456.95	905.85	1,718.47	1,232.08
47 Fillmore.....	10,220.01	1,423.88	221.60	333.99	557.75	51.19
48 Fishlake.....	10,496.08	1,574.21	222.73	272.34	2,760.56	550.02
49 Flathead.....	11,585.27	10,091.53	908.03	1,355.50	4,809.56	3,020.45
50 Florida.....	8,051.95	2,733.61	169.02	556.28	1,151.38	12.50
51 Fremont.....	9,653.61	4,459.99	370.40	690.66	932.50	158.32
52 Gallatin.....	11,125.00	2,095.22	333.00	396.75	700.33	.....
53 Gila.....	18,947.03	4,837.01	891.49	1,679.40	7,057.17	1,537.67
54 Gunnison.....	10,114.11	3,371.67	244.95	736.39	2,325.39	238.33
55 Harney.....	12,836.39	3,124.00	2,141.19	1,002.93	9,804.43	1,176.09
56 Havden.....	10,344.70	2,513.61	174.25	678.61	415.50	39.81
57 Helena.....	12,777.21	5,960.16	176.00	408.52	3,568.42	923.12
58 Holy Cross.....	11,617.87	2,706.94	471.78	953.04	1,238.37	37.92
59 Humboldt.....	7,974.98	2,096.93	231.30	248.20	884.25	128.65
60 Idaho.....	8,943.59	4,417.88	186.71	259.90	1,771.37	201.63
61 Inyo.....	6,508.32	4,521.95	341.75	590.52	977.00	.....
62 Jefferson.....	12,930.41	3,165.58	629.50	783.65	2,230.58	199.65
63 Jemez.....	10,221.39	5,392.22	413.89	695.82	3,131.92	1,086.65
64 Kaibab.....	8,032.77	766.93	105.38	235.38	1,109.15	228.32
65 Kaniksu.....	14,370.82	12,705.84	810.06	3,509.74	11,386.41	2,408.71
66 Kansas.....	2,700.00	1,584.00	108.59	332.27	1,125.51	.....
67 Kern.....	12,931.11	5,422.27	1,155.58	718.47	3,682.64	299.12
68 Klamath.....	16,485.28	15,240.36	816.10	1,964.55	5,687.56	2,308.80
69 Kootenai.....	14,195.82	11,403.84	652.53	644.70	16,283.51	6,466.94
70 La Sal.....	9,184.44	1,000.00	222.22	214.96	634.14	31.30
71 Lassen.....	10,609.14	13,668.34	372.38	782.47	1,280.95	618.45
72 Leadville.....	14,598.07	3,933.06	276.70	636.24	1,354.74	201.70

INVESTIGATING THE CHESTNUT TREE BARK DISEASE.

Total expenditure as above.....	\$64,835.25
Outstanding liabilities Aug. 31 (estimated)...	3,205.91
Unexpended balance (estimated).....	1,958.84
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Repayment to credit of appropriation.....	30.10
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Total allotment.....	70,030.10

Study of the nature and habits of the parasitic fungus causing the chestnut tree bark disease and methods of controlling it. The work has been conducted in cooperation

with the authorities of the States where the disease is causing injury..... \$68,011.06

POTATOES AND SUGAR-BEET SEED UNDER IRRIGATION.

Total expenditure as above.....	\$7,687.42
Outstanding liabilities, Aug. 31 (estimated)...	2,107.45
Unexpended balance (estimated).....	205.13
	<hr/>
Total allotment.....	10,000.00

Experiments, variety tests, and disease investigations with potatoes; and a study of the feasibility of growing sugar-beet seed in southern Idaho..... 9,794.87

FOREST SERVICE.

Statement of expenditures for the fiscal year ended June 30, 1913.

Materials and equipment.	Freight, express, and drayage.	Advertising.	Telephone and telegraph.	Miscellaneous supplies and services.	Rent.	Furnishing heat, light, etc.	Fuel.	Forage and stock feed.	Total.	
\$1,857.64	\$556.28	\$20.45	\$75.76	\$86.70	\$480.00	\$16.35		\$384.67	\$20,115.35	1
1,190.22	61.76	16.40	1.80	154.72	10.00	18.00	\$65.50	700.00	13,395.74	2
6,077.57	2,802.44		399.75	53.70	210.50	12.00	5.25		57,457.85	3
2,424.13	1,003.00	37.49	80.69	515.19	48.00	3.60	53.50	1,049.96	31,402.07	4
3,580.08	925.05	53.62	104.56	702.56	366.50	50.40	72.28	402.94	25,917.86	5
3,287.48	1,495.73	105.12	228.36	53.07				1,056.76	46,771.32	6
3,254.76	969.22	52.85	41.95	59.91	198.00	16.25	43.65	704.64	20,330.89	7
1,268.75	651.41	29.63	46.78	138.15	280.00	.30	65.63	385.20	16,543.97	8
1,569.89	207.09	68.95	103.84	821.91	420.00	1.00		295.00	18,521.08	9
1,808.27	520.64	5.99	55.89	211.46	300.00			464.65	28,039.42	10
3,504.69	1,320.61	29.10	154.69	595.15	6.00			653.25	28,906.96	11
3,414.02	927.10	15.94	113.56	231.53	712.49			438.66	32,779.95	12
2,448.07	430.19	89.42	72.25	707.68	420.00			285.20	32,140.20	13
3,464.63	739.45	115.36		717.29	18.00			298.53	31,576.77	14
1,497.97	1,306.61	34.20	60.00	1,777.15	600.00	11.60		468.55	28,226.54	15
1,126.70	589.89	2.79		209.03	145.00	16.50		413.47	11,233.08	16
606.06	559.86	16.00	38.05	245.60			57.75	190.03	9,670.68	17
3,142.01	265.75	53.15	12.80	155.84	402.50	2.95		462.15	22,023.46	18
1,330.68	277.80	79.56	68.78	33.40	25.00			324.70	20,232.10	19
3,975.97	1,689.30	11.85	45.04	145.15	635.33		3.50	805.98	34,360.92	20
2,223.36	642.79	13.70	30.20	2.50	300.00	23.40		568.29	18,610.03	21
1,408.04	854.05	42.97	101.67	226.39	44.00		76.00	672.00	25,105.08	22
4,965.22	613.28	6.26	66.46	74.15	61.50			412.19	27,257.11	23
1,115.52	657.84	6.60		13.75	192.00		39.67	432.03	16,314.34	24
2,079.45	1,108.95	31.42	19.63	43.00	360.00	32.40	40.00	46.35	17,814.60	25
1,521.32	246.40	15.94	.20	84.82				373.80	15,391.59	26
1,259.11	165.09	71.00	60.00	93.88		12.00	80.00		13,532.76	27
2,914.04	567.87	3.65	99.40	670.00	360.00			768.09	32,558.28	28
4,735.89	891.66		212.60	81.06	363.33	122.49	11.75	1,246.20	32,318.06	29
2,857.38	975.82		151.68	607.14	144.00	7.25	52.93	617.69	22,403.86	30
4,213.40	2,464.91	67.55	4.20	76.52	480.00			750.00	39,473.78	31
3,328.82	762.33	83.25	126.59	89.15	715.50			964.71	54,784.78	32
1,099.45	728.57	49.63	92.00	96.22	90.33	4.83		357.68	19,591.89	33
3,885.99	819.74	51.40	93.21	70.20	732.48			738.88	35,806.73	34
1,492.14	554.98	35.21	33.73	54.49	444.00	33.00	148.30	133.69	22,703.89	35
1,633.88	615.58	25.32	144.87	620.04	540.00	11.54		1,000.00	22,726.58	36
3,972.09	1,142.10		150.24	111.53	540.00	18.70	79.25	375.36	45,000.37	37
957.85	130.82	26.85	3.30	51.93	240.00	58.88	29.50	649.23	17,689.13	38
669.43	512.63	18.82	32.65	31.50	345.00	36.40		298.25	11,103.23	39
197.92	17.00			12.60				50.00	1,654.82	40
1,382.58	946.03	20.84	21.97	383.28	420.00	74.10	30.94	1,512.92	35,645.47	41
2,084.83	494.04	214.70	177.73	117.70	874.25			807.16	36,722.79	42
1,374.89	304.63	8.54	53.65	64.02	500.00	14.90		353.59	15,964.98	43
1,278.44	419.61	12.05	44.45	11.80	312.00	4.65	14.98	904.75	16,603.75	44
1,498.36	131.68	8.03	190.61	1,078.95	442.00			833.05	21,742.61	45
3,140.96	1,080.90	24.09	64.50	68.45	276.00	18.25	30.50	336.19	25,201.99	46
1,535.44	204.25	26.44	49.15	138.65	183.25			532.50	15,478.10	47
1,867.18	211.10	24.82	36.00	7.35	240.00			296.76	18,559.15	48
3,798.69	2,936.56	40.35	76.98	689.58	420.00			1,449.62	41,182.12	49
2,040.93	343.19	121.65	101.91	825.87	260.00			445.10	16,813.39	50
1,487.14	404.61	53.35	80.50	68.75	420.00	16.80	42.00	287.11	19,125.74	51
1,124.83	292.37	14.45	36.71	11.68	421.00			298.75	16,850.09	52
2,381.74	678.95	34.00	16.45	547.91	300.00	30.00	55.25	1,723.28	40,737.35	53
1,529.81	446.71	35.34	87.60	148.95	216.00	18.00	37.28	520.29	20,070.82	54
5,971.52	1,044.57	40.48	.32	325.85	436.00				37,903.77	55
1,640.41	293.88	17.99	41.12	875.58	360.00	29.10		440.21	17,864.77	56
1,364.17	193.41	54.20	79.02	1,337.57	600.00			422.66	27,864.46	57
975.27	157.16	41.43	61.15	997.11	436.00			599.52	20,293.56	58
1,571.68	422.69	31.78	72.60	1,199.01	249.35	3.50	84.00	384.46	15,583.38	59
1,963.13	676.66	7.43	15.65	82.70	240.00		11.25	215.78	18,993.68	60
376.40	38.64	1.80	124.02	402.08	447.50	27.00	110.75		14,467.73	61
1,696.54	556.54	40.93	67.49	93.74				683.10	23,077.71	62
911.30	1,153.37	10.80	25.50	640.57	311.62			700.00	24,695.05	63
1,967.22	849.47	4.00		4.50	180.00		20.05	1,070.39	14,573.56	64
2,407.21	424.66	233.62	40.49	265.11	475.00	18.10		1,593.80	50,649.57	65
972.98	86.75	1.37	61.95	643.84	180.00	9.00	16.50	16.32	7,839.08	66
4,429.97	865.23	3.35	59.85	1,525.38	395.67	16.10	8.40	557.20	32,070.34	67
5,204.49	1,162.55	1.20	32.60	256.66	300.00	27.20	72.00	335.63	50,094.98	68
4,068.47	1,120.46	161.70	30.00	318.04	680.00	47.30		503.19	56,576.50	69
1,362.91	197.82	8.25	28.55	79.32	300.00	15.00		569.65	13,848.56	70
2,959.97	1,098.08	7.75	60.34	129.89	361.00	35.05	41.65	616.38	32,641.84	71
2,389.57	561.67	58.02	154.43	264.03	106.00		12.25	730.89	25,277.37	72

## EXPENDITURES OF THE DEPARTMENT OF AGRICULTURE.

## FOREST SERVICE—Continued.

Statement of expenditures for the fiscal year ended June 30, 1913—Continued.

	National forests.	Salaries.		Travel.		Wages.	Subsistence supplies.
		Statutory.	Lump fund.	Transportation.	Meals, lodgings, etc.		
1	Lemhi.....	\$10,584.18	\$3,560.83	\$253.25	\$509.00	\$714.00	\$88.67
2	Lewis and Clark.....	8,984.72	5,102.77	334.80	366.75	2,108.55	460.39
3	Lincoln.....	9,055.26	427.60	188.68	428.41	1,189.87	66.75
4	Lolo.....	12,383.18	8,503.74	462.04	832.67	9,383.80	2,829.92
5	Luquillo.....		2,082.90		619.92		
6	Madison.....	13,258.60	3,992.24	219.50	1,023.89	1,267.92	650.34
7	Malheur.....	11,963.05	5,700.82	185.38	415.16	457.50	35.54
8	Manti.....	14,088.26	5,802.82	602.31	868.83	1,392.94	462.49
9	Manzano.....	3,628.06	1,172.50	113.78	138.42	1,649.04	64.78
10	Marquette.....	2,551.94	429.08	140.58	86.08	225.48	
11	Medicine Bow.....	9,642.20	6,309.54	697.43	1,374.47	2,626.68	167.57
12	Michigan.....	1,387.22	1,170.82	206.39	221.83	1,335.51	50.29
13	Minam.....	5,569.16	2,816.72	149.87	353.43	1,079.24	111.34
14	Minnesota.....	9,567.50	3,362.45	188.16	154.67	1,365.00	150.76
15	Minnesota.....	9,442.90	1,793.89	147.30	267.95	821.88	166.01
16	Missoula.....	10,223.89	3,935.80	451.72	768.05	1,178.87	747.12
17	Moapa.....			261.35	135.20		
18	Modoc.....	12,383.33	4,862.20	645.85	1,024.78	1,051.33	74.52
19	Mono.....	7,946.10	2,115.84	266.65	399.50	244.76	
20	Monterey.....	3,964.17	1,440.84	255.05	587.26	892.50	10.90
21	Montezuma.....	10,565.27	3,145.00	338.15	741.55	880.30	14.70
22	Nebo.....	7,005.00		137.45	181.05	1,212.15	244.20
23	Nebraska.....	4,191.38	2,747.50	204.79	213.70	5,689.44	1,397.48
24	Nevada.....	9,248.60	2,593.89	155.73	239.90	122.50	99.38
25	Nezperce.....	10,205.66	7,109.17	210.08	508.74	2,165.75	
26	Ochoco.....	9,250.83	4,969.99	180.33	275.50	5,661.15	1,983.85
27	Okanogan.....	10,174.86	7,525.01	284.95	729.04	2,270.98	87.27
28	Olympic.....	8,557.77	6,002.67	693.35	1,169.29	7,531.76	2,151.88
29	Oregon.....	14,491.09	8,236.61	519.16	556.32	8,997.05	2,446.65
30	Ozark.....	14,523.87	3,114.73	1,294.17	1,570.96	8,662.45	12.48
31	Palisade.....	8,309.29	4,751.65	311.95	654.60	2,311.25	877.94
32	Paulina.....	5,738.33	4,419.99	227.17	325.20	874.76	408.11
33	Payette.....	16,755.27	8,674.45	708.72	1,712.54	3,777.14	1,285.59
34	Pecos.....	11,910.89	5,723.34	372.91	803.76	3,221.73	708.65
35	Pend d'Oreille.....	13,590.82	8,999.10	889.03	1,252.65	7,509.86	2,768.49
36	Pike.....	17,163.32	8,481.21	1,429.75	1,381.06	9,099.69	1,577.62
37	Plumas.....	19,555.53	13,625.53	601.40	1,150.83	4,241.88	1,324.15
38	Pocatello.....	7,594.99	330.00	85.10	186.25	1,615.47	215.87
39	Powell.....	9,778.61		44.75	229.05	474.39	
40	Prescott.....	14,263.66	1,570.07	392.15	874.10	383.00	8.80
41	Rainier.....	13,369.72	7,422.00	292.73	511.28	5,966.53	798.12
42	Rio Grande.....	13,367.20	5,008.49	521.70	1,211.35	2,849.90	558.75
43	Routt.....	11,614.37	3,122.76	406.96	1,391.55	1,808.68	521.95
44	Ruby.....	4,849.44	400.29	178.90	488.60	69.50	4.75
45	Saint Joe.....	12,056.10	10,044.06	1,501.68	2,642.40	13,275.10	2,713.68
46	Salmon.....	15,934.41	5,418.21	390.65	700.50	1,889.38	867.20
47	San Isabel.....	11,095.27	1,559.45	194.06	593.00	1,027.25	315.48
48	San Juan.....	9,296.95	3,073.34	465.21	727.14	1,133.74	7.13
49	Santa Barbara.....	20,813.61	7,486.01	614.55	947.90	4,586.63	958.49
50	Santa Rosa.....	7,174.00	185.00	120.41	503.50	1,207.00	566.98
51	Santiam.....	5,352.77	5,049.85	148.60	211.61	2,397.92	285.75
52	Sawtooth.....	12,691.75	3,571.04	263.50	739.63	1,814.41	385.26
53	Selway.....	9,613.34	2,700.00	93.65	324.60	9,705.70	1,009.07
54	Sequoia.....	12,302.21	7,790.69	461.67	757.03	2,869.50	
55	Sevier.....	12,118.88	342.22	182.86	361.77	1,411.23	108.66
56	Shasta.....	19,278.32	9,482.74	1,076.02	2,038.15	4,180.63	1,938.85
57	Shoshone.....	13,645.01	2,543.33	381.69	1,043.00	1,939.28	18.72
58	Sierra.....	24,147.75	15,599.21	600.71	1,274.85	5,071.22	905.22
59	Sioux.....	5,656.11	3,829.45	138.18	301.17	783.95	
60	Siskiyou.....	9,729.43	7,846.95	472.65	554.78	6,672.08	1,464.87
61	Sitgreaves.....	10,165.57	4,634.85	367.99	581.25	3,377.10	470.32
62	Siuslaw.....	6,330.29	3,330.39	932.42	480.60	12,731.51	3,541.70
63	Snoqualmie.....	11,308.90	8,400.90	736.27	939.75	8,424.50	2,661.32
64	Sopris.....	10,898.04	3,591.05	441.75	865.02	2,886.23	507.02
65	Stanislaus.....	17,493.87	8,776.91	435.70	1,284.71	2,074.65	232.01
66	Sundance.....	4,458.61	1,315.01	171.46	345.97	565.73	99.88
67	Superior.....	7,889.17	3,731.17	338.03	421.39	3,220.51	609.73
68	Tahoe.....	19,851.38	12,928.65	665.60	1,353.35	2,111.08	443.25
69	Targhee.....	12,904.99	7,173.60	839.73	1,206.65	1,750.48	1,281.86
70	Teton.....	10,805.55	3,028.34	60.35	113.90	5,344.85	1,192.85
71	Toiyabe.....	4,176.67	5,406.66	254.90	421.78	119.49	242.05
72	Tongass.....	3,754.13	10,374.99	3,433.95	1,140.17	2,908.84	920.06
73	Tonto.....	8,816.38	3,353.34	377.40	687.15	2,683.50	78.45
74	Trinity.....	16,961.66	16,206.05	695.65	1,632.50	6,661.58	912.02
75	Tusayan.....	13,294.14	6,638.87	582.17	837.33	1,658.63	154.92
76	Uinta.....	15,896.94	4,033.06	812.08	527.30	2,214.27	1,013.49
77	Umatilla.....	6,121.11	4,007.49	151.99	322.46	1,064.41	
78	Umpqua.....	10,926.40	6,180.68	601.67	1,035.45	4,248.41	1,281.24
79	Uncompahgre.....	13,290.89	2,630.99	271.18	705.51	1,829.05	450.71
80	Wallowa.....	9,901.11	3,330.57	133.20	606.20	2,559.99	41.03
81	Wasatch.....	7,628.06	3,005.83	127.30	163.60	1,988.79	248.54
82	Washakie.....	6,875.00	965.00	47.10	363.41	389.88	65.00
83	Washington.....	11,486.38	5,953.88	217.50	433.33	3,207.93	793.48
84	Weiser.....	14,240.54	4,663.94	513.77	465.95	1,198.74	606.53
85	Wenaha.....	7,629.15	3,281.41	90.10	303.62	1,347.25	84.84
86	Wenatchee.....	11,147.49	3,598.79	337.39	554.41	2,126.26	655.33
87	White River.....	11,165.12	4,398.34	437.78	1,225.33	773.25	205.36
88	Whitman.....	14,457.96	7,258.02	604.77	990.17	3,821.65	882.99
89	Wichita.....	3,345.00	1,247.19	95.40	123.23	904.69	19.00

EXPENDITURES OF THE DEPARTMENT OF AGRICULTURE.

FOREST SERVICE—Continued.

Statement of expenditures for the fiscal year ended June 30, 1913—Continued.

Materials and equipment.	Freight, express, and drayage.	Advertising.	Telephone and telegraph.	Miscellaneous supplies and services.	Rent.	Furnishing heat, light, etc.	Fuel.	Forage and stock feed.	Total.	
\$1,019.89	\$272.17	\$6.50		\$61.70	\$300.00		\$62.00	\$1,066.25	\$18,498.44	1
2,326.33	288.53	10.17	\$103.72	84.00	300.00	\$29.60	65.45	35.17	20,600.95	2
877.83	196.12	10.63	30.00	127.43	96.00	.75	21.87	596.15	13,313.25	3
4,025.78	709.30	127.30	79.59	431.17	608.38			858.63	41,235.50	4
24.51			1.67		43.00			228.00	3,000.00	5
1,493.29	312.49	61.00	46.14	106.02	300.75	97.96	25.27	319.12	23,174.53	6
1,472.03	923.52	21.50	41.90	210.82	300.00	7.60	70.55	562.69	22,368.06	7
1,190.02	235.29	33.76	45.50	77.10	531.80			484.54	25,815.66	8
580.09	184.49	30.74	15.00	102.93				221.70	7,901.53	9
335.57	84.29			45.10	30.00	6.00	4.15		3,938.27	10
3,877.66	1,303.46	8.14	136.09	1,456.01	4.00			316.25	27,919.50	11
644.20	194.99		7.15	314.98	30.00	6.00	5.10	129.02	5,703.50	12
579.96	368.61	30.45	32.44	15.84	12.83			186.30	11,306.19	13
1,013.95	.40		80.15	390.74	455.00	1.25	26.45	228.00	16,984.48	14
546.94	94.43	13.80	30.00	27.20	360.00			83.36	13,795.66	15
2,029.48	561.45	18.65	68.23	135.95	754.58	8.25		406.05	21,288.09	16
									396.55	17
1,693.08	215.40	5.25	59.00	271.81	484.00	24.25	28.75	623.43	23,446.98	18
609.01	98.82		23.25	67.11	240.00	30.00	46.90	38.10	12,126.04	19
643.03	127.22		12.50	14.90		4.00	17.50	184.92	8,154.79	20
659.62	254.80	31.06	60.27	20.55	552.50			140.35	17,404.12	21
157.78	79.89	6.75	30.00	2.15	144.00	4.70	13.20	313.75	9,532.07	22
2,533.83	940.48	10.05	21.00	230.08		1.90	109.05	654.72	18,945.40	23
340.84	168.56	52.74	76.05	54.15	360.60	24.00		1,346.76	14,920.45	24
2,363.82	143.55	20.88	39.03	118.63	384.00	24.00		514.55	23,807.86	25
2,014.83	359.76	7.36	76.18	74.00	320.10		28.90	847.50	26,050.28	26
1,581.89	684.57	3.26	80.97	129.20	360.00	208.80	53.75		24,174.55	27
2,151.42	1,038.10		99.42	145.29	450.00	9.21			30,000.16	28
2,691.82	1,253.98	24.10	131.17	231.59	805.76	2.16		1,488.05	41,875.51	29
1,902.55	469.69	79.40	47.25	93.81	4.00			683.78	32,459.14	30
2,207.19	324.01	22.68	30.00	53.59	450.00	17.00		514.33	20,835.48	31
841.52	383.71		.50	30.25		8.40	30.00	219.91	13,507.85	32
1,144.69	243.38	42.00	32.00	338.95	469.00	9.90	8.00	1,507.93	38,714.56	33
3,221.88	882.22	96.10	11.85	425.88	120.00	12.55	33.45	785.30	26,631.51	34
2,324.56	608.01	55.72	197.88	543.18	450.00			544.71	39,764.01	35
2,922.85	1,029.06	39.27	321.43	550.66	852.00			948.22	47,330.40	36
3,574.47	1,082.98	30.20	30.45	33.92	410.00	39.60	28.74	1,600.72	11,255.09	37
689.67	198.49	8.60	30.00	16.65	284.00				12,410.92	38
1,074.38	655.67	21.90		12.17	120.00				20,369.28	39
851.36	158.08	22.13	2.60	56.15	385.00	12.00		1,390.18	32,582.87	40
2,595.06	1,006.01	31.85	121.37	468.70					27,048.55	41
1,538.93	431.93	43.88	146.26	189.92	337.00	12.00	10.25	820.99	23,270.90	42
2,117.18	724.09	26.65	83.77	351.05	492.00			609.89	7,374.92	43
469.00	183.66	12.30	32.00	110.95	177.00	3.85	47.91	346.68	49,181.34	44
3,075.53	1,248.88	43.29	53.67	656.84	560.00	101.67	20.98	1,187.46	18,213.92	45
1,998.66	703.59	44.71	141.30	99.71	346.75	53.10	126.75	1,421.15	30,136.07	46
1,557.28	365.17	13.78	97.66	565.78	180.00	39.00	41.66	569.08	18,213.92	47
2,308.54	502.21	19.82	96.07	795.05	313.85			397.02	19,136.07	48
2,316.49	648.89		109.50	222.53	480.00	24.50	9.00	373.07	39,591.17	49
545.99	179.88	8.75	115.62	257.23	241.15	2.05	46.00	403.35	11,556.91	50
2,383.62	793.68		74.31	38.99	240.00	30.00		199.43	17,206.53	51
1,140.47	310.84	45.25	30.45	58.93	330.00			315.12	21,696.65	52
2,596.93	1,032.52	10.95	5.85	49.45	180.00	16.50	33.00	1,272.29	28,643.85	53
2,767.66	465.04	13.02	25.07	124.82		25.45	7.00	426.28	28,035.44	54
921.16	120.77	37.00		29.00	180.00			224.64	16,038.19	55
3,266.79	1,402.71	33.84	31.75	21.54	618.60	41.15	63.00	712.50	44,186.59	56
1,711.29	1,847.43	10.92	63.42	1,357.29	542.00			103.34	25,106.72	57
3,975.19	1,096.47	71.57	46.56	538.06		28.65	43.70	1,754.36	55,153.52	58
881.63	294.00		4.50	375.43		18.90	59.22	44.10	12,386.64	59
4,763.84	2,014.27	.52	142.05	133.55	540.00	6.50		354.79	34,696.28	60
3,376.78	1,765.28	20.40	21.85	195.71	243.50	14.10	43.07	564.81	25,842.58	61
3,677.69	513.27		53.63	71.40	34.80			386.20	32,083.90	62
2,504.99	640.09	3.75	113.45	75.88	808.65			636.61	37,255.06	63
1,820.60	953.96	33.21	81.89	118.19	298.50			632.66	23,128.12	64
3,264.07	541.46	40.95	30.00	116.90	495.00	28.60	16.00	1,341.85	36,172.68	65
1,267.37	271.43	19.90	45.90	365.55	130.45	3.25	28.09	138.00	9,226.60	66
2,094.79	799.41	7.50	41.54	83.94	198.75	41.75	98.32	19,576.00	67	
3,498.47	843.42	66.24	53.12	28.04	391.80	27.56	35.50	745.30	43,042.76	68
1,514.59	1,190.38	12.68	58.50	6.95	335.00	33.00	134.53	590.66	29,033.60	69
2,288.28	540.35	26.53	84.00	2.40	120.00			489.08	24,096.48	70
1,002.05	150.39	19.12	76.20	65.86	300.00		37.50	1,158.27	13,430.94	71
2,918.43	199.45	157.12	48.10	88.66	600.00	89.65			26,633.55	72
1,119.61	474.41		2.25	312.24			17.94	763.15	18,685.82	73
5,100.15	1,723.49	31.50	120.20	203.29	612.00	109.93	79.50	1,003.99	52,053.51	74
3,101.67	1,181.99	61.40	6.20	234.41	290.00	89.45	68.00	841.36	29,040.54	75
1,079.18	369.56	7.20	36.84	210.10				1,121.30	27,321.41	76
2,068.26	253.72	2.60	39.18	23.76	300.00		35.83	450.53	14,841.34	77
5,209.34	770.05	28.82	117.18	32.55	444.00	32.20		392.32	31,300.81	78
1,620.15	293.85	26.26	60.02	763.50	453.00			1,044.56	23,439.67	79
2,085.45	354.05	13.85	2.22	198.28	360.00			315.73	19,901.68	80
402.38	152.44		60.00	469.30	540.00			278.00	15,064.24	81
1,009.55	420.47	8.12	95.84	135.90				169.40	10,544.67	82
1,851.93	1,316.04	70.07	55.04	37.65	451.00	6.60			25,880.83	83
1,445.61	628.58	8.50	53.40	67.70	300.00			707.10	24,900.36	84
953.65	50.32	13.25	45.34	38.03	300.00	2.30		250.87	14,390.13	85
1,494.81	310.17	33.69	91.91	42.75	304.95	28.45	41.00	309.92	21,347.32	86
1,384.10	171.38	37.68	74.77	720.45	300.00	45.00		476.48	21,425.04	87
3,203.48	752.88	33.48	46.34	264.41	210.00		38.75	354.61	32,919.51	88
1,071.78	46.59	16.25	28.50	179.50				87.80	7,164.93	89

FOREST SERVICE—Continued.

Statement of expenditures for the fiscal year ended June 30, 1913—Continued.

	National forests.	Salaries.		Travel.		Wages.	Subsistence supplies.
		Statutory.	Lump fund.	Transportation.	Meals, lodgings, etc.		
1	Wyoming.....	\$8,807.22	\$5,046.95	\$202.60	\$370.10	\$3,107.78	\$1,376.38
2	Zuni.....	3,995.55	1,486.38	225.94	79.30	1,189.90	11.56
3	Total.....	1,751,951.52	757,934.46	73,384.92	123,468.78	501,205.50	117,272.69
4	New forests.....		8,362.18	581.31	841.38	10,219.34	1,462.97
5	Headquarters, district 1.....	43,250.49	42,404.90	8,145.81	11,248.92	3,596.99	137.06
6	Headquarters, district 2.....	38,869.34	33,141.68	8,466.48	7,473.09	2,300.71	691.91
7	Headquarters, district 3.....	41,266.35	27,894.33	9,356.73	8,250.72	3,039.80	158.20
8	Headquarters, district 4.....	37,807.92	38,412.24	7,500.28	5,399.02	4,648.62	1,561.11
9	Headquarters, district 5.....	39,253.11	59,136.68	11,593.82	11,248.61	6,048.04	1,413.25
10	Headquarters, district 6.....	42,199.76	46,191.35	8,282.61	9,684.82	4,141.45	843.93
11	Total.....	242,646.97	247,181.18	53,345.73	53,305.18	23,775.61	4,805.46
12	Forest-products laboratory.....	23,711.95	77,682.66	2,864.78	3,325.40	1,454.17	49.99
13	Supply depot, Ogden.....	13,711.98	880.00	225.20	211.20	720.00	
14	Property auditor, Ogden.....	7,759.49	52.50	138.85	121.40		
15	Total out of Washington.....	2,039,781.91	1,092,092.98	130,540.79	181,273.34	537,374.62	123,591.11
16	Washington office.....	193,538.48	140,240.25	16,808.47	19,031.96	1,502.58	300.24
	Grand total.....	2,233,320.39	1,232,333.23	147,349.26	200,305.30	538,877.20	123,891.35

PROJECT STATEMENTS.

THE NATIONAL FORESTS.

SUMMARY.

[Area, 187,487,976 acres.]

Total expenditures.....	\$3,945,460.90
Outstanding liabilities, Aug. 31.....	20,209.42
Total allotment.....	3,965,670.32

Distributed among the several subactivities approximately as follows:

Ordinary current expenses.....	\$3,214,245.83
Fire and other emergency.....	117,175.15
Permanent improvement.....	479,772.41
Silviculture.....	154,476.93
Total.....	3,965,670.32

Receipts from national forest resources.

Timber sale.....	\$1,282,647.07
Timber settlement.....	36,104.57
Timber trespass.....	17,557.96
Grazing.....	1,001,156.15
Grazing trespass.....	6,583.36
Special use.....	67,230.68
Occupancy trespass.....	47.17
Fire trespass.....	5,028.01
Water power.....	51,235.08
Total.....	2,467,590.07

ABSAROKA NATIONAL FOREST (MONTANA).

[Area, 987,710 acres.]

Total expenditures.....	\$20,093.05
Outstanding liabilities, Aug. 31.....	22.30
Total allotment.....	20,115.35

Distributed among the several subactivities approximately as follows:

Ordinary current expenses.....	\$17,321.44
Fire and other emergency.....	340.00
Permanent improvement.....	2,385.91
Silviculture.....	68.00
Total.....	20,115.35

Receipts from national forest resources.

Timber sale.....	\$1,039.20
Grazing.....	5,813.04
Grazing trespass.....	24.02
Special use.....	183.05
Total.....	7,059.31

ALAMO NATIONAL FOREST (NEW MEXICO).

[Area, 941,790 acres.]

Total expenditures.....	\$13,388.30
Outstanding liabilities, Aug. 31.....	7.44
Total allotment.....	13,395.74

Distributed among the several subactivities approximately as follows:

Ordinary current expenses.....	\$11,874.02
Fire and other emergency.....	53.60
Permanent improvement.....	1,468.12
Total.....	13,395.74

Receipts from national forest resources.

Timber sale.....	\$953.95
Grazing.....	4,000.00
Grazing trespass.....	5,358.24
Special use.....	52.70
Occupancy trespass.....	1,660.83
Total.....	12,025.72

ANGELES NATIONAL FOREST (CALIFORNIA).

[Area, 1,165,300 acres.]

Total expenditures.....	\$57,399.84
Outstanding liabilities, Aug. 31.....	58.01
Total allotment.....	57,457.85

Distributed among the several subactivities approximately as follows:

Ordinary current expenses.....	\$42,080.90
Fire and other emergency.....	8,935.54
Permanent improvement.....	4,596.23
Silviculture.....	1,845.18
Total.....	57,457.85

FOREST SERVICE—Continued.

Statement of expenditures for the fiscal year ended June 30, 1913—Continued.

Materials and equipment.	Freight, express, and drayage.	Advertising.	Telephone and telegraph.	Miscellaneous supplies and services.	Rent.	Furnishing heat, light, etc.	Fuel.	Forage and stock feed.	Total.	
\$2,634.01	\$420.02	\$43.61	\$54.00	\$897.85	\$163.00	\$12.00	\$56.05	\$258.81	\$23,450.38	1
236.41	104.11	46.14	15.30	245.50				287.00	7,923.09	2
335,883.50	102,280.85	5,061.70	10,384.74	44,173.11	49,116.15	2,429.18	3,445.42	87,677.80	3,965,670.32	3
3,050.09	503.79	43.67	131.35	381.30	420.25	3.00			26,000.63	4
6,234.73	1,940.37	16.20	197.44	642.35	3,825.54	27.36	46.62	249.45	121,964.23	5
3,568.15	549.84		436.61	570.10	6,320.50	60.00			102,448.41	6
3,449.39	569.25	18.00	389.15	1,293.14	3,872.32				99,557.38	7
6,098.09	922.16	158.66	979.03	1,441.74	2,550.00	273.91	386.25		108,139.03	8
7,451.51	2,066.64	157.81	1,263.61	679.00	8,782.80	2.60			149,097.48	9
17,957.82	605.31	62.40	602.38	786.34	7,324.45				138,682.62	10
44,759.69	6,653.57	413.07	3,868.22	5,412.67	32,675.61	363.87	432.87	249.45	719,889.15	11
12,905.64	1,573.56		369.40	476.44	3,400.00	1,457.80			129,271.79	12
45,151.94	10,216.77		47.85	255.84	2,550.00	338.10	257.50		74,566.38	13
									8,072.24	14
441,750.86	121,228.54	5,518.44	14,801.56	50,699.36	88,162.01	4,591.95	4,135.79	87,927.25	4,923,470.51	15
32,187.24	1,613.12	502.38	6,411.60	9,021.95	3,081.23	601.10	14.70		424,855.30	16
473,938.10	122,841.66	6,020.82	21,213.18	59,721.31	91,243.24	5,193.05	4,150.49	87,927.25	5,348,325.81	

Receipts from national forest resources.

Timber sale.....	\$1,359.50
Timber settlement.....	166.00
Timber trespass.....	6.00
Grazing.....	1,470.07
Special use.....	5,925.31
Water power.....	7,004.00
Total.....	15,930.88

APACHE NATIONAL FOREST (ARIZONA).

[Area, 1,625,400 acres.]

Total expenditures.....	\$31,366.76
Outstanding liabilities, Aug. 31.....	35.31
Total allotment.....	31,402.07

Distributed among the several subactivities approximately as follows:

Ordinary current expenses.....	\$27,683.22
Fire and other emergency.....	294.00
Permanent improvement.....	3,368.90
Silviculture.....	55.95
Total.....	31,402.07

Receipts from national forest resources.

Timber sale.....	\$3,262.93
Grazing.....	15,926.81
Grazing trespass.....	378.20
Special use.....	1,795.95
Total.....	21,363.89

ARAPAHO NATIONAL FOREST (COLORADO).

[Area, 759,440 acres.]

Total expenditures.....	\$25,635.62
Outstanding liabilities, Aug. 31.....	282.24
Total allotment.....	25,917.86

Distributed among the several subactivities approximately as follows:

Ordinary current expenses.....	\$21,740.32
Fire and other emergency.....	7.70
Permanent improvement.....	2,069.84
Silviculture.....	2,100.00
Total.....	25,917.86

Receipts from national forest resources.

Timber sale.....	\$18,170.81
Timber settlement.....	56.65
Timber trespass.....	40.56
Grazing.....	1,563.65
Special use.....	339.13
Total.....	20,170.80

ARKANSAS NATIONAL FOREST (ARKANSAS).

[Area, 1,262,390 acres.]

Total expenditures.....	\$46,616.64
Outstanding liabilities, Aug. 31.....	154.68
Total allotment.....	46,771.32

Distributed among the several subactivities approximately as follows:

Ordinary current expenses.....	\$39,971.71
Fire and other emergency.....	2,687.51
Permanent improvement.....	4,011.92
Silviculture.....	100.18
Total.....	46,771.32

Receipts from national-forest resources.

Timber sale.....	\$39,043.47
Timber trespass.....	10.89
Special use.....	51.50
Water power.....	181.00
Total.....	39,292.86

ASHLEY NATIONAL FOREST (UTAH AND WYOMING).		BEAVERHEAD NATIONAL FOREST (IDAHO AND MONTANA).	
[Area, 998,160 acres.]		[Area, 1,457,000 acres.]	
Total expenditures.....	\$20,330.89	Total expenditures.....	\$28,023.48
Distributed among the several subactivities approximately as follows:		Outstanding liabilities, Aug. 31.....	15.94
Ordinary current expenses.....	\$14,932.78	Total allotment..... 28,039.42	
Permanent improvement.....	5,348.36	Distributed among the several subactivities approximately as follows:	
Silviculture.....	49.75	Ordinary current expenses.....	\$18,371.66
Total.....	20,330.89	Fire and other emergency.....	8,011.30
<i>Receipts from national-forest resources.</i>		Permanent improvement.....	1,634.24
Timber sale.....	\$1,040.46	Silviculture.....	22.22
Grazing.....	7,477.13	Total.....	28,039.42
Grazing trespass.....	44.27	<i>Receipts from national forest resources.</i>	
Special use.....	22.80	Timber sale.....	\$1,794.12
Total.....	8,584.66	Grazing.....	15,894.89
BATTLEMENT NATIONAL FOREST (COLORADO).		Special use.....	58.26
[Area, 677,340 acres.]		Water power.....	65.00
Total expenditures.....	\$16,531.58	Total.....	17,812.27
Outstanding liabilities, Aug. 31.....	12.39	BIGHORN NATIONAL FOREST (WYOMING).	
Total allotment.....	16,543.97	[Area, 1,136,200 acres.]	
Distributed among the several subactivities approximately as follows:		Total expenditures.....	\$28,712.91
Ordinary current expenses.....	\$14,611.82	Outstanding liabilities, Aug. 31.....	194.05
Permanent improvement.....	1,872.16	Total allotment..... 28,906.96	
Silviculture.....	59.99	Distributed among the several subactivities approximately as follows:	
Total.....	16,543.97	Ordinary current expenses.....	\$25,387.21
<i>Receipts from national-forest resources.</i>		Fire and other emergency.....	45.75
Timber sale.....	\$1,337.00	Permanent improvement.....	2,814.00
Timber settlement.....	324.48	Silviculture.....	660.00
Grazing.....	9,066.24	Total.....	28,906.96
Grazing trespass.....	125.10	<i>Receipts from national forest resources.</i>	
Special use.....	397.30	Timber sale.....	\$1,546.15
Total.....	11,250.12	Grazing.....	13,083.93
BEARTOOTH NATIONAL FOREST (MONTANA).		Special use.....	383.14
[Area, 681,930 acres.]		Total.....	15,013.22
Total expenditures.....	\$18,387.14	BITTERROOT NATIONAL FOREST (MONTANA).	
Outstanding liabilities, Aug. 31.....	133.94	[Area, 1,154,550 acres.]	
Total allotment.....	18,521.08	Total expenditures.....	\$32,570.67
Distributed among the several subactivities approximately as follows:		Outstanding liabilities, Aug. 31.....	209.28
Ordinary current expenses.....	\$15,780.85	Total allotment..... 32,779.95	
Fire and other emergency.....	145.00	Distributed among the several subactivities approximately as follows:	
Permanent improvement.....	2,495.23	Ordinary current expenses.....	\$22,075.97
Silviculture.....	100.00	Fire and other emergency.....	564.10
Total.....	18,521.08	Permanent improvement.....	4,011.88
<i>Receipts from national-forest resources.</i>		Silviculture.....	6,128.00
Timber sale.....	\$11,094.79	Total.....	32,779.95
Grazing.....	4,112.84	<i>Receipts from national forest resources.</i>	
Grazing trespass.....	39.76	Timber sale.....	\$467.85
Special use.....	126.40	Timber settlement.....	142.37
Water power.....	2.40	Grazing.....	912.32
Total.....	15,376.19	Special use.....	275.02
		Total.....	1,797.56

BLACKFEET NATIONAL FOREST (MONTANA).		Grazing trespass.....	\$36. 00
[Area, 1,067,090 acres.]		Special use.....	44. 20
Total expenditures.....	\$32, 055. 22	Fire trespass.....	56. 19
Outstanding liabilities, Aug. 31.....	84. 98	Water power.....	1. 00
Total allotment.....		Total.....	13, 074. 40
Distributed among the several subactivities approximately as follows:		BONNEVILLE NATIONAL FOREST (WYOMING).	
Ordinary current expenses.....	\$26, 234. 14	[Area, 613,270 acres.]	
Fire and other emergency.....	1, 172. 76	Total expenditures.....	\$11, 111. 77
Permanent improvement.....	4, 533. 30	Outstanding liabilities, Aug. 31.....	121. 31
Silviculture.....	200. 00	Total allotment.....	
Total.....	32, 140. 20	11, 233. 08	
<i>Receipts from national forest resources.</i>		Distributed among the several subactivities approximately as follows:	
Timber sale.....	\$23, 204. 80	Ordinary current expenses.....	\$9, 346. 48
Grazing trespass.....	47. 71	Permanent improvement.....	1, 737. 77
Special use.....	37. 50	Silviculture.....	148. 83
Total.....	23, 290. 01	Total.....	11, 233. 08
BLACK HILLS NATIONAL FOREST (SOUTH DAKOTA).		<i>Receipts from national forest resources.</i>	
[Area, 600,480 acres.]		Timber sale.....	\$747. 91
Total expenditures.....	\$31, 528. 32	Grazing.....	1, 313. 70
Outstanding liabilities, Aug. 31.....	48. 45	Special use.....	41. 97
Total allotment.....		Total.....	2, 103. 58
31, 576. 77		BRIDGER NATIONAL FOREST (WYOMING).	
Distributed among the several subactivities approximately as follows:		[Area, 577,850 acres.]	
Ordinary current expenses.....	\$26, 096. 99	Total expenditures.....	\$9, 670. 68
Fire and other emergency.....	1, 427. 29	Distributed among the several subactivities approximately as follows:	
Permanent improvement.....	2, 252. 49	Ordinary current expenses.....	\$8, 134. 14
Silviculture.....	1, 800. 00	Permanent improvement.....	1, 361. 54
Total.....	31, 576. 77	Silviculture.....	175. 00
<i>Receipts from national forest resources.</i>		Total.....	9, 670. 68
Timber sale.....	\$24, 720. 89	<i>Receipts from national forest resources.</i>	
Timber trespass.....	966. 56	Timber sale.....	\$855. 56
Grazing.....	1, 295. 85	Grazing.....	4, 431. 12
Special use.....	2, 075. 19	Special use.....	46. 70
Fire trespass.....	330. 00	Total.....	5, 333. 38
Water power.....	121. 01	CABINET NATIONAL FOREST (MONTANA).	
Total.....	29, 509. 50	[Area, 1,026,550 acres.]	
BOISE NATIONAL FOREST (IDAHO).		Total expenditures.....	\$21, 978. 88
[Area, 1,107,000 acres.]		Outstanding liabilities, Aug. 31.....	44. 58
Total expenditures.....	\$28, 223. 44	Total allotment.....	
Outstanding liabilities, Aug. 31.....	3. 10	22, 023. 46	
Total allotment.....		Distributed among the several subactivities approximately as follows:	
28, 226. 54		Ordinary current expenses.....	\$16, 893. 36
Distributed among the several subactivities approximately as follows:		Fire and other emergency.....	936. 35
Ordinary current expenses.....	\$21, 961. 60	Permanent improvement.....	3, 493. 76
Fire and other emergency.....	158. 50	Silviculture.....	699. 99
Permanent improvement.....	2, 024. 01	Total.....	22, 023. 46
Silviculture.....	4, 082. 43	<i>Receipts from national forest resources.</i>	
Total.....	28, 226. 54	Timber sale.....	\$5, 575. 85
<i>Receipts from national forest resources.</i>		Grazing.....	22. 96
Timber sale.....	\$2, 841. 82	Special use.....	72. 00
Timber trespass.....	1, 140. 00	Total.....	5, 670. 86
Grazing.....	8, 955. 19		

## CACHE NATIONAL FOREST (UTAH AND IDAHO).

[Area, 579,660 acres.]

Total expenditures.....	\$20,224.28
Outstanding liabilities, Aug. 31.....	7.82

Total allotment..... 20,232.10

Distributed among the several subactivities approximately as follows:

Ordinary current expenses.....	\$17,299.23
Fire and other emergency.....	15.30
Permanent improvement.....	2,223.90
Silviculture.....	693.67

Total..... 20,232.10

*Receipts from national forest resources.*

Timber sale.....	\$2,426.21
Timber trespass.....	20.40
Grazing.....	12,114.86
Grazing trespass.....	43.39
Special use.....	124.65

Total..... 14,729.51

## CALIFORNIA NATIONAL FOREST (CALIFORNIA).

[Area, 1,061,300 acres.]

Total expenditures.....	\$34,172.34
Outstanding liabilities, Aug. 31.....	188.58

Total allotment..... 34,360.92

Distributed among the several subactivities approximately as follows:

Ordinary current expenses.....	\$27,481.62
Fire and other emergency.....	3,234.94
Permanent improvement.....	3,644.36

Total..... 34,360.92

*Receipts from national forest resources.*

Timber sale.....	\$5,006.15
Grazing.....	5,367.76
Grazing trespass.....	5.40
Special use.....	51.89
Occupancy trespass.....	16.35

Total..... 10,447.55

## CARIBOU NATIONAL FOREST (IDAHO AND WYOMING).

[Area, 702,360 acres.]

Total expenditures.....	\$18,601.43
Outstanding liabilities, Aug. 31.....	8.60

Total allotment..... 18,610.03

Distributed among the several subactivities approximately as follows:

Ordinary current expenses.....	\$14,808.12
Permanent improvement.....	2,751.91
Silviculture.....	1,050.00

Total..... 18,610.03

*Receipts from national forest resources.*

Timber sale.....	\$1,123.48
Grazing.....	20,887.46
Special use.....	167.60
Water power.....	24.20

Total..... 22,202.74

## CARSON NATIONAL FOREST (NEW MEXICO).

[Area, 1,123,400 acres.]

Total expenditures.....	\$25,103.73
Outstanding liabilities, Aug. 31.....	1.35

Total allotment..... 25,105.08

Distributed among the several subactivities approximately as follows:

Ordinary current expenses.....	\$22,503.77
Fire and other emergency.....	66.40
Permanent improvement.....	2,534.91

Total..... 25,105.08

*Receipts from national forest resources.*

Timber sale.....	\$4,250.45
Grazing.....	16,701.93
Grazing trespass.....	50.33
Special use.....	130.15

Total..... 21,132.86

## CASCADE NATIONAL FOREST (OREGON).

[Area, 1,097,700 acres.]

Total expenditures.....	\$27,154.15
Outstanding liabilities, Aug. 31.....	102.96

Total allotment..... 27,257.11

Distributed among the several subactivities approximately as follows:

Ordinary current expenses.....	\$21,898.68
Permanent improvement.....	5,358.43

Total..... 27,257.11

*Receipts from national forest resources.*

Timber sale.....	\$92.20
Grazing.....	1,094.75
Special use.....	167.25

Total..... 1,354.20

## CHALLIS NATIONAL FOREST (IDAHO).

[Area, 1,194,000 acres.]

Total expenditures.....	\$16,313.51
Outstanding liabilities, Aug. 31.....	.83

Total allotment..... 16,314.34

Distributed among the several subactivities approximately as follows:

Ordinary current expenses.....	\$13,014.34
Permanent improvement.....	3,300.00

Total..... 16,314.34

*Receipts from national forest resources.*

Timber sale.....	\$1,209.44
Timber trespass.....	6.75
Grazing.....	4,662.25
Special use.....	26.20
Water power.....	25.00

Total..... 5,904.64

## CHELAN NATIONAL FOREST (WASHINGTON).

[Area, 786,680 acres.]

Total expenditures.....	\$17,754.15
Outstanding liabilities, Aug. 31.....	60.45

Total allotment..... 17,814.60

Distributed among the several subactivities approximately as follows:

Ordinary current expenses.....	\$13,878.75
Fire and other emergency.....	36.60
Permanent improvement.....	3,899.25
Total.....	17,814.60

*Receipts from national forest resources.*

Timber sale.....	\$1,424.72
Timber trespass.....	20.37
Grazing.....	997.62
Grazing trespass.....	34.46
Special use.....	23.55
Water power.....	25.00
Total.....	2,525.72

CHIRICAHUA NATIONAL FOREST (ARIZONA AND NEW MEXICO).

[Area, 488,000 acres.]

Total expenditures.....	\$14,935.31
Outstanding liabilities, Aug. 31.....	456.28

Total allotment..... 15,391.59

Distributed among the several subactivities approximately as follows:

Ordinary current expenses.....	\$12,831.80
Fire and other emergency.....	269.20
Permanent improvement.....	2,290.59

Total..... 15,391.59

*Receipts from national forest resources.*

Timber sale.....	\$1,059.85
Grazing.....	4,219.45
Grazing trespass.....	1.75
Special use.....	528.29
Total.....	5,809.34

CHUGACH NATIONAL FOREST (ALASKA).

[Area, 11,267,850 acres.]

Total expenditures.....	\$13,087.51
Outstanding liabilities, Aug. 31.....	445.25

Total allotment..... 13,532.76

Distributed among the several subactivities approximately as follows:

Ordinary current expenses.....	\$12,568.83
Fire and other emergency.....	213.93
Permanent improvement.....	750.00

Total..... 13,532.76

*Receipts from national forest resources.*

Timber sale.....	\$3,578.92
Timber trespass.....	80.00
Special use.....	346.00

Total..... 4,004.92

CLEARWATER NATIONAL FOREST (IDAHO).

[Area, 822,700 acres.]

Total expenditures.....	\$32,253.74
Outstanding liabilities, Aug. 31.....	304.54

Total allotment..... 32,558.28

Distributed among the several subactivities approximately as follows:

Ordinary current expenses.....	\$26,408.28
Fire and other emergency.....	1,650.00
Permanent improvement.....	4,500.00
Total.....	32,558.28

*Receipts from national forest resources.*

Grazing..... \$365.00

CLEVELAND NATIONAL FOREST (CALIFORNIA).

[Area, 1,575,670 acres.]

Total expenditures.....	\$32,233.01
Outstanding liabilities, Aug. 31.....	85.05

Total allotment..... 32,318.06

Distributed among the several subactivities approximately as follows:

Ordinary current expenses.....	\$26,064.35
Fire and other emergency.....	2,579.01
Permanent improvement.....	3,674.70

Total..... 32,318.06

*Receipts from national forest resources.*

Grazing.....	\$1,292.70
Special use.....	366.68

Total..... 1,659.38

COCHETOPA NATIONAL FOREST (COLORADO).

[Area, 930,220 acres.]

Total expenditures.....	\$22,401.09
Outstanding liabilities, Aug. 31.....	2.77

Total allotment..... 22,403.86

Distributed among the several subactivities approximately as follows:

Ordinary current expenses.....	\$17,640.22
Permanent improvement.....	4,621.92
Silviculture.....	141.72

Total..... 22,403.86

*Receipts from national forest resources.*

Timber sale.....	\$3,725.82
Grazing.....	8,620.95
Special use.....	84.46
Water power.....	137.73

Total..... 12,568.96

COCONINO NATIONAL FOREST (ARIZONA).

[Area, 1,634,000 acres.]

Total expenditures.....	\$39,090.01
Outstanding liabilities, Aug. 31.....	383.77

Total allotment..... 39,473.78

Distributed among the several subactivities approximately as follows:

Ordinary current expenses.....	\$28,391.24
Fire and other emergency.....	2,251.11
Permanent improvement.....	8,717.78
Silviculture.....	113.65

Total..... 39,473.78

## EXPENDITURES OF THE DEPARTMENT OF AGRICULTURE.

<i>Receipts from national forest resources.</i>		<i>Receipts from national forest resources.</i>	
Timber sale.....	\$141,938.85	Timber sale.....	\$2,206.30
Grazing.....	22,403.18	Grazing.....	1,114.70
Special use.....	2,724.88	Special use.....	300.00
	<hr/>	Water power.....	114.00
Total.....	167,066.91	Total.....	3,735.00
COEUR D'ALENE NATIONAL FOREST (IDAHO).		COLVILLE NATIONAL FOREST (WASHINGTON).	
[Area, 760,800 acres.]		[Area, 816,000 acres.]	
Total expenditures.....	\$53,455.55	Total expenditures.....	\$22,645.60
Outstanding liabilities, Aug. 31.....	1,329.23	Outstanding liabilities, Aug. 31.....	58.29
	<hr/>	Total allotment.....	22,703.89
Total allotment.....	54,784.78	Distributed among the several subactivities approximately as follows:	
Distributed among the several subactivities approximately as follows:		Ordinary current expenses.....	\$20,623.89
Ordinary current expenses.....	\$42,448.09	Permanent improvement.....	2,080.00
Fire and other emergency.....	1,218.97		<hr/>
Permanent improvement.....	3,261.14	Total.....	22,703.89
Silviculture.....	7,856.58	<i>Receipts from national forest resources.</i>	
	<hr/>	Timber sale.....	\$2,803.09
Total.....	54,784.78	Timber trespass.....	27.55
<i>Receipts from national forest resources.</i>		Grazing.....	949.87
Timber sale.....	\$43,468.03	Special use.....	448.95
Timber settlement.....	26.94		<hr/>
Timber trespass.....	467.72	Total.....	4,229.46
Grazing.....	675.65	CORONADO NATIONAL FOREST (ARIZONA).	
Special use.....	12.00	[Area, 999,460 acres.]	
Water power.....	10.00	Total expenditures.....	\$22,625.05
	<hr/>	Outstanding liabilities, Aug. 31.....	101.53
Total.....	44,660.34		<hr/>
COLORADO NATIONAL FOREST (COLORADO).		Total allotment.....	22,726.58
[Area, 679,200 acres.]		Distributed among the several subactivities approximately as follows:	
Total expenditures.....	\$19,376.52	Ordinary current expenses.....	\$18,198.02
Outstanding liabilities, Aug. 31.....	215.37	Fire and other emergency.....	352.75
	<hr/>	Permanent improvement.....	4,175.81
Total allotment.....	19,591.89		<hr/>
Distributed among the several subactivities approximately as follows:		Total.....	22,726.58
Ordinary current expenses.....	\$16,847.82	<i>Receipts from national forest resources.</i>	
Permanent improvement.....	1,244.39	Timber sale.....	\$2,086.76
Silviculture.....	1,499.68	Grazing.....	7,881.40
	<hr/>	Grazing trespass.....	157.50
Total.....	19,591.89	Special use.....	1,387.18
<i>Receipts from national forest resources.</i>			<hr/>
Timber sale.....	\$1,481.36	Total.....	11,512.84
Timber settlement.....	103.29	CRATER NATIONAL FOREST (CALIFORNIA AND OREGON).	
Timber trespass.....	44.63	[Area, 1,080,500 acres.]	
Grazing.....	1,523.67	Total expenditures.....	\$45,054.82
Special use.....	246.02	Outstanding liabilities, Aug. 31.....	1.55
Water power.....	177.80		<hr/>
	<hr/>	Total allotment.....	45,056.37
Total.....	3,576.77	Distributed among the several subactivities approximately as follows:	
COLUMBIA NATIONAL FOREST (WASHINGTON.)		Ordinary current expenses.....	\$33,454.82
[Area, 942,200 acres.]		Fire and other emergency.....	1,628.65
Total expenditures.....	\$35,418.21	Permanent improvement.....	9,972.90
Outstanding liabilities, Aug. 31.....	388.52		<hr/>
	<hr/>	Total.....	45,056.37
Total allotment.....	35,806.73	<i>Receipts from national forest resources.</i>	
Distributed among the several subactivities approximately as follows:		Timber sale.....	\$53,663.52
Ordinary current expenses.....	\$26,697.17	Grazing.....	1,188.25
Permanent improvement.....	2,597.97	Special use.....	258.00
Silviculture.....	6,511.59		<hr/>
	<hr/>	Total.....	55,109.77
Total.....	35,806.73		

## CROOK NATIONAL FOREST (ARIZONA).

[Area, 890,600 acres.]

Total expenditures.....	\$17,641.60
Outstanding liabilities, Aug. 31.....	47.53

Total allotment..... 17,689.13

Distributed among the several subactivities approximately as follows:

Ordinary current expenses.....	\$14,348.53
Fire and other emergency.....	140.05
Permanent improvement.....	3,040.30
Silviculture.....	160.25

Total..... 17,689.13

*Receipts from national forest resources.*

Timber sale.....	\$6,517.04
Grazing.....	7,013.73
Grazing trespass.....	187.10
Special use.....	918.98

Total..... 14,636.85

## CUSTER NATIONAL FOREST (MONTANA).

[Area, 512,810 acres.]

Total expenditures.....	\$10,960.12
Outstanding liabilities, Aug. 31.....	143.11

Total allotment..... 11,103.23

Distributed among the several subactivities approximately as follows:

Ordinary current expenses.....	\$10,047.08
Permanent improvement.....	1,056.15

Total..... 11,103.23

*Receipts from national forest resources.*

Timber sale.....	\$626.50
Grazing.....	8,817.64
Grazing trespass.....	46.62
Special use.....	534.53

Total..... 10,025.29

## DAKOTA NATIONAL FOREST (NORTH DAKOTA).

[Area, 13,920 acres.]

Total expenditures.....	\$1,645.70
Outstanding liabilities, Aug. 31.....	9.12

Total allotment..... 1,654.82

Distributed among the several subactivities approximately as follows:

Ordinary current expenses.....	\$1,342.67
Fire and other emergency.....	104.75
Permanent improvement.....	207.40

Total..... 1,654.82

*Receipts from national forest resources.*

Grazing trespass.....	\$190.46
Special use.....	80.40

Total..... 270.86

## DATIL NATIONAL FOREST (NEW MEXICO).

[Area, 2,955,000 acres.]

Total expenditures.....	\$35,619.47
Outstanding liabilities, Aug. 31.....	26.00

Total allotment..... 35,645.47

Distributed among the several subactivities approximately as follows:

Ordinary current expenses.....	\$28,679.85
Fire and other emergency.....	3,646.94
Permanent improvement.....	3,318.68

Total..... 35,645.47

*Receipts from national forest resources.*

Timber sale.....	\$1,511.46
Timber trespass.....	24.85
Grazing.....	25,134.78
Grazing trespass.....	541.22
Special use.....	2,358.45

Total..... 29,570.76

## DEERLODGE NATIONAL FOREST (MONTANA).

[Area, 964,000 acres.]

Total expenditures.....	\$36,498.57
Outstanding liabilities, Aug. 31.....	224.22

Total allotment..... 36,722.79

Distributed among the several subactivities approximately as follows:

Ordinary current expenses.....	\$34,041.76
Fire and other emergency.....	1,595.45
Permanent improvement.....	996.58
Silviculture.....	89.00

Total..... 36,722.79

*Receipts from national forest resources.*

Timber sale.....	\$36,311.46
Timber settlement.....	780.95
Grazing.....	6,584.82
Special use.....	491.96
Water power.....	280.00

Total..... 44,449.19

## DESCHUTES NATIONAL FOREST (OREGON).

[Area, 942,020 acres.]

Total expenditures.....	\$15,900.84
Outstanding liabilities, Aug. 31.....	64.14

Total allotment..... 15,964.98

Distributed among the several subactivities approximately as follows:

Ordinary current expenses.....	\$15,147.49
Fire and other emergency.....	185.49
Permanent improvement.....	632.00

Total..... 15,964.98

*Receipts from national forest resources.*

Timber sale.....	\$70.34
Timber settlement.....	500.00
Grazing.....	2,383.63
Grazing trespass.....	3.50
Special use.....	60.40

Total..... 3,017.87

## DIXIE NATIONAL FOREST (ARIZONA AND UTAH).

[Area, 1,067,000 acres.]

Total expenditures.....	\$16,599.24
Outstanding liabilities, Aug. 31.....	4.51

Total allotment..... 16,603.75

## EXPENDITURES OF THE DEPARTMENT OF AGRICULTURE.

Distributed among the several subactivities approximately as follows:

Ordinary current expenses.....	\$14,314.85
Permanent improvement.....	2,288.80
Silviculture.....	10
Total.....	16,603.75

*Receipts from national forest resources.*

Timber sale.....	\$805.65
Grazing.....	5,405.45
Special use.....	88.17
Total.....	6,299.27

## DURANGO NATIONAL FOREST (COLORADO).

[Area, 704,000 acres.]

Total expenditures.....	\$21,716.05
Outstanding liabilities, Aug. 31.....	26.56

Total allotment.....	21,742.61
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Distributed among the several subactivities approximately as follows:

Ordinary current expenses.....	\$18,609.21
Fire and other emergency.....	39.00
Permanent improvement.....	2,659.56
Silviculture.....	434.84

Total.....	21,742.61
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*Receipts from national forest resources.*

Timber sale.....	\$463.20
Timber settlement.....	12.50
Timber trespass.....	33.12
Grazing.....	6,135.69
Special use.....	116.74
Water power.....	10.00

Total.....	6,771.25
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## ELDORADO NATIONAL FOREST (CALIFORNIA).

[Area, 835,800 acres.]

Total expenditures.....	\$25,164.95
Outstanding liabilities, Aug. 31.....	37.04

Total allotment.....	25,201.99
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Distributed among the several subactivities approximately as follows:

Ordinary current expenses.....	\$20,140.49
Fire and other emergency.....	885.13
Permanent improvement.....	4,176.37

Total.....	25,201.99
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*Receipts from national forest resources.*

Timber sale.....	\$308.38
Timber trespass.....	2,011.24
Grazing.....	3,781.11
Special use.....	544.90
Water power.....	1,276.80

Total.....	7,922.43
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## FILLMORE NATIONAL FOREST (UTAH).

[Area, 578,500 acres.]

Total expenditures.....	\$15,377.49
Outstanding liabilities, Aug. 31.....	100.61

Total allotment.....	15,478.10
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Distributed among the several subactivities approximately as follows:

Ordinary current expenses.....	\$14,268.63
Permanent improvement.....	1,159.48
Silviculture.....	49.99
Total.....	15,478.10

*Receipts from national forest resources.*

Timber sale.....	\$1,868.80
Timber settlement.....	30.00
Grazing.....	7,583.74
Special use.....	2.10
Water power.....	106.78

Total.....	9,591.42
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## FISHLAKE NATIONAL FOREST (UTAH).

[Area, 668,590 acres.]

Total expenditures.....	\$18,497.41
Outstanding liabilities, Aug. 31.....	61.74

Total allotment.....	18,559.15
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Distributed among the several subactivities approximately as follows:

Ordinary current expenses.....	\$14,390.69
Permanent improvement.....	3,370.53
Silviculture.....	797.93

Total.....	18,559.15
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*Receipts from national forest resources.*

Timber sale.....	\$2,770.24
Grazing.....	9,437.45
Special use.....	59.46

Total.....	12,267.15
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## FLATHEAD NATIONAL FOREST (MONTANA).

[Area, 2,088,720 acres.]

Total expenditures.....	\$40,605.63
Outstanding liabilities, Aug. 31.....	576.49

Total allotment.....	41,182.12
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Distributed among the several subactivities approximately as follows:

Ordinary current expenses.....	\$30,596.40
Fire and other emergency.....	1,699.96
Permanent improvement.....	8,885.76

Total.....	41,182.12
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*Receipts from national forest resources.*

Timber sale.....	\$9,142.40
Grazing.....	94.66
Special use.....	158.31

Total.....	9,395.37
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## FLORIDA NATIONAL FOREST (FLORIDA).

[Area, 674,970 acres.]

Total expenditures.....	\$16,726.52
Outstanding liabilities, Aug. 31.....	86.87

Total allotment.....	16,813.39
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Distributed among the several subactivities approximately as follows:

Ordinary current expenses.....	\$13,795.97
Fire and other emergency.....	79.30
Permanent improvement.....	2,675.57
Silviculture.....	262.55

Total.....	16,813.39
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*Receipts from national forest resources.*

Timber sale.....	\$13,012.89
Grazing.....	371.09
Grazing trespass.....	84.00
Special use.....	108.25
Total.....	13,576.23

## FREMONT NATIONAL FOREST (OREGON).

[Area, 852,000 acres.]

Total expenditures.....	\$19,117.97
Outstanding liabilities, Aug. 31.....	7.77

Total allotment..... 19,125.74

Distributed among the several subactivities approximately as follows:

Ordinary current expenses.....	\$17,339.87
Fire and other emergency.....	40.68
Permanent improvement.....	1,745.19

Total..... 19,125.74

*Receipts from national forest resources.*

Timber sale.....	\$2,464.05
Grazing.....	10,167.64
Special use.....	278.94

Total..... 12,910.63

## GALLATIN NATIONAL FOREST (MONTANA).

[Area, 909,360 acres.]

Total expenditures.....	\$16,839.84
Outstanding liabilities, Aug. 31.....	10.25

Total allotment..... 16,850.09

Distributed among the several subactivities approximately as follows:

Ordinary current expenses.....	\$15,427.31
Fire and other emergency.....	24.00
Permanent improvement.....	1,372.08
Silviculture.....	26.70

Total..... 16,850.09

*Receipts from national forest resources.*

Timber sale.....	\$2,342.59
Grazing.....	5,154.08
Special use.....	97.20

Total..... 7,593.87

## GILA NATIONAL FOREST (NEW MEXICO).

[Area, 1,600,000 acres.]

Total expenditures.....	\$40,712.34
Outstanding liabilities, Aug. 31.....	25.01

Total allotment..... 40,737.35

Distributed among the several subactivities approximately as follows:

Ordinary current expenses.....	\$35,615.14
Fire and other emergency.....	1,424.00
Permanent improvement.....	2,476.99
Silviculture.....	1,221.22

Total..... 40,737.35

*Receipts from national forest resources.*

Timber sale.....	\$11,085.18
Timber trespass.....	10.00
Grazing.....	15,987.58
Grazing trespass.....	247.50
Special use.....	3,433.84
Water power.....	266.10

Total..... 31,030.20

## GUNNISON NATIONAL FOREST (COLORADO).

[Area, 951,310 acres.]

Total expenditures.....	\$19,861.58
Outstanding liabilities, Aug. 31.....	209.24

Total allotment..... 20,070.82

Distributed among the several subactivities approximately as follows:

Ordinary current expenses.....	\$17,090.69
Fire and other emergency.....	34.00
Permanent improvement.....	1,151.20
Silviculture.....	1,794.93

Total..... 20,070.82

*Receipts from national forest resources.*

Timber sale.....	\$6,352.20
Timber settlement.....	210.80
Timber trespass.....	314.33
Grazing.....	4,044.07
Special use.....	99.50

Total..... 11,020.90

## HARNEY NATIONAL FOREST (SOUTH DAKOTA).

[Area, 640,950 acres.]

Total expenditures.....	\$37,705.29
Outstanding liabilities, Aug. 31.....	198.48

Total allotment..... 37,903.77

Distributed among the several subactivities approximately as follows:

Ordinary current expenses.....	\$20,519.24
Fire and other emergency.....	8,603.60
Permanent improvement.....	2,774.95
Silviculture.....	6,005.98

Total..... 37,903.77

*Receipts from national forest resources.*

Timber sale.....	\$8,462.15
Grazing.....	2,094.29
Special use.....	2,007.66
Fire trespass.....	14.37

Total..... 12,578.47

## HAYDEN NATIONAL FOREST (COLORADO-WYOMING).

[Area, 442,470 acres.]

Total expenditures.....	\$17,840.06
Outstanding liabilities, Aug. 31.....	24.71

Total allotment..... 17,864.77

Distributed among the several subactivities approximately as follows:

Ordinary current expenses.....	\$15,697.29
Permanent improvement.....	1,949.98
Silviculture.....	217.50

Total..... 17,864.77

*Receipts from national forest resources.*

Timber sale.....	\$1,089.54
Grazing.....	11,848.00
Special use.....	93.40
Total.....	13,030.94

## HELENA NATIONAL FOREST (MONTANA).

[Area, 920,550 acres.]

Total expenditures.....	\$27,733.76
Outstanding liabilities, Aug. 31.....	130.70

Total allotment.....	27,864.46
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Distributed among the several subactivities approximately as follows:

Ordinary current expenses.....	\$20,715.08
Fire and other emergency.....	34.45
Permanent improvement.....	999.93
Silviculture.....	6,115.00

Total.....	27,864.46
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*Receipts from national forest resources.*

Timber sale.....	\$2,773.22
Grazing.....	11,443.45
Grazing trespass.....	4.50
Special use.....	761.62
Water power.....	544.00

Total.....	15,526.79
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## HOLY CROSS NATIONAL FOREST (COLORADO).

[Area, 605,700 acres.]

Total expenditures.....	\$20,282.09
Outstanding liabilities, Aug. 31.....	11.47

Total allotment.....	20,293.56
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Distributed among the several subactivities approximately as follows:

Ordinary current expenses.....	\$18,091.11
Fire and other emergency.....	6.25
Permanent improvement.....	1,997.40
Silviculture.....	198.80

Total.....	20,293.56
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*Receipts from national forest resources.*

Timber sale.....	\$10,372.92
Grazing.....	3,960.50
Special use.....	52.00
Water power.....	25.13

Total.....	14,410.55
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## HUMBOLDT NATIONAL FOREST (NEVADA).

[Area, 726,540 acres.]

Total expenditures.....	\$15,512.22
Outstanding liabilities.....	71.16

Total allotment.....	15,583.38
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Distributed among the several subactivities approximately as follows:

Ordinary current expenses.....	\$12,515.99
Permanent improvement.....	3,067.39

Total.....	15,583.38
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*Receipts from national forest resources.*

Timber sale.....	\$355.69
Grazing.....	25,535.53
Special use.....	355.04

Total.....	26,246.26
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## IDAHO NATIONAL FOREST (IDAHO).

[Area, 1,209,280 acres.]

Total expenditures.....	\$18,864.10
Outstanding liabilities Aug. 31.....	129.58

Total allotment.....	18,993.68
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Distributed among the several subactivities approximately as follows:

Ordinary current expenses.....	\$15,774.06
Fire and other emergency.....	19.39
Permanent improvement.....	2,826.94
Silviculture.....	373.29

Total.....	18,993.68
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*Receipts from national forest resources.*

Timber sale.....	\$40.75
Grazing.....	5,764.76
Special use.....	15.00

Total.....	5,820.51
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## INYO NATIONAL FOREST (CALIFORNIA AND NEVADA).

[Area, 1,413,110 acres.]

Total expenditures.....	\$14,461.73
Outstanding liabilities Aug. 31.....	6.00

Total allotment.....	14,467.73
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Distributed among the several subactivities approximately as follows:

Ordinary current expenses.....	\$13,718.16
Permanent improvement.....	749.57

Total.....	14,467.73
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*Receipts from national forest resources.*

Timber sale.....	\$554.60
Timber settlement.....	3.00
Timber trespass.....	82.20
Grazing.....	4,105.32
Grazing trespass.....	14.00
Special use.....	76.00
Fire trespass.....	96.39
Water power.....	3,163.62

Total.....	8,095.13
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## JEFFERSON NATIONAL FOREST (MONTANA).

[Area, 1,175,840 acres.]

Total expenditures.....	\$22,880.40
Outstanding liabilities Aug. 31.....	197.31

Total allotment.....	23,077.71
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Distributed among the several subactivities approximately as follows:

Ordinary current expenses.....	\$22,153.86
Permanent improvement.....	898.85
Silviculture.....	25.00

Total.....	23,077.71
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*Receipts from national forest resources.*

Timber sale.....	\$2, 903. 00
Timber trespass.....	8. 22
Grazing.....	7, 233. 61
Special use.....	491. 76
Water power.....	25. 00
Total.....	10, 661. 59

## JEMEZ NATIONAL FOREST (NEW MEXICO).

[Area, 880,000 acres.]

Total expenditures.....	\$24, 667. 13
Outstanding liabilities, Aug. 31.....	27. 92

Total allotment..... 24, 695. 05

Distributed among the several subactivities approximately as follows:

Ordinary current expenses.....	\$22, 203. 34
Fire and other emergency.....	126. 54
Permanent improvement.....	2, 365. 17

Total..... 24, 695. 05

*Receipts from national forest resources.*

Timber sale.....	\$4, 048. 05
Grazing.....	7, 610. 93
Grazing trespass.....	195. 94
Special use.....	157. 91

Total..... 12, 012. 83

## KAIBAB NATIONAL FOREST (ARIZONA).

[Area, 1,093,600 acres.]

Total expenditures.....	\$14, 472. 00
Outstanding liabilities, Aug. 31.....	101. 56

Total allotment..... 14, 573. 56

Distributed among the several subactivities approximately as follows:

Ordinary current expenses.....	\$11, 549. 39
Fire and other emergency.....	12. 50
Permanent improvement.....	3, 011. 67

Total..... 14, 573. 56

*Receipts from national forest resources.*

Timber sale.....	\$314. 80
Grazing.....	5, 083. 53
Special use.....	78. 86

Total..... 9, 591. 19

## KANSAS NATIONAL FOREST (KANSAS).

[Area, 262,787 acres.]

Total expenditures.....	\$7, 836. 36
Outstanding liabilities, Aug. 31.....	2. 72

Total allotment..... 7, 839. 08

Distributed among the several subactivities approximately as follows:

Ordinary current expenses.....	\$4, 906. 50
Permanent improvement.....	582. 87
Silviculture.....	2, 349. 71

Total..... 7, 839. 08

*Receipts from national forest resources.*

Grazing.....	\$4, 650. 64
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## KANIKSKU NATIONAL FOREST (IDAHO AND WASHINGTON).

[Area, 835,740 acres.]

Total expenditures.....	\$50, 449. 64
Outstanding liabilities, Aug. 31.....	199. 93

Total allotment..... 50, 649. 57

Distributed among the several subactivities approximately as follows:

Ordinary current expenses.....	\$46, 497. 74
Fire and other emergency.....	80. 47
Permanent improvement.....	4, 051. 36
Silviculture.....	20. 00

Total..... 50, 649. 57

*Receipts from national forest resources.*

Timber sale.....	\$91, 075. 75
Special use.....	462. 00
Water power.....	80. 94

Total..... 92, 248. 69

## KERN NATIONAL FOREST (CALIFORNIA).

[Area, 1,934,275 acres.]

Total expenditures.....	\$31, 963. 94
Outstanding liabilities, Aug. 31.....	106. 40

Total allotment..... 32, 070. 34

Distributed among the several subactivities approximately as follows:

Ordinary current expenses.....	\$23, 261. 96
Fire and other emergency.....	2, 491. 38
Permanent improvement.....	6, 304. 24
Silviculture.....	12. 76

Total..... 32, 070. 34

*Receipts from national forest resources.*

Timber sale.....	\$373. 36
Timber settlement.....	36. 00
Grazing.....	9, 544. 12
Grazing trespass.....	100. 76
Special use.....	1, 148. 01
Occupancy trespass.....	19. 12
Water power.....	12, 169. 41

Total..... 23, 390. 78

## KLAMATH NATIONAL FOREST (CALIFORNIA AND OREGON).

[Area, 1,697,920 acres.]

Total expenditures.....	\$50, 073. 47
Outstanding liabilities, Aug. 31.....	21. 51

Total allotment..... 50, 094. 98

Distributed among the several subactivities approximately as follows:

Ordinary current expenses.....	\$36, 885. 84
Fire and other emergency.....	5, 659. 44
Permanent improvement.....	7, 549. 70

Total..... 50, 094. 98

*Receipts from national forest resources.*

Timber sale.....	\$1, 551. 31
Timber settlement.....	7. 70
Timber trespass.....	629. 15
Grazing.....	1, 987. 92
Special use.....	203. 54
Fire trespass.....	11. 28
Water power.....	47. 40

Total..... 4, 438. 40

## KOOTENAI NATIONAL FOREST (MONTANA).

[Area, 1,623,340 acres.]

Total expenditures.....	\$56,541.59
Outstanding liabilities, Aug. 31.....	34.91

Total allotment..... 56,576.50

Distributed among the several subactivities approximately as follows:

Ordinary current expenses.....	\$43,251.08
Fire and other emergency.....	1,135.70
Permanent improvement.....	12,189.72

Total..... 56,576.50

*Receipts from national forest resources.*

Timber sale.....	\$51,457.51
Special use.....	18.00
Water power.....	597.10

Total..... 52,072.61

## LA SAL NATIONAL FOREST (COLORADO AND UTAH).

[Area, 470,500 acres.]

Total expenditures.....	\$13,848.56
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Distributed among the several subactivities approximately as follows:

Ordinary current expenses.....	\$12,413.56
Permanent improvement.....	1,385.00
Silviculture.....	50.00

Total..... 13,848.56

*Receipts from national forest resources.*

Timber sale.....	\$1,449.75
Grazing.....	7,630.23
Grazing trespass.....	90.00
Special use.....	520.70

Total..... 9,690.68

## LASSEN NATIONAL FOREST (CALIFORNIA).

[Area, 1,397,000 acres.]

Total expenditures.....	\$32,538.61
Outstanding liabilities, Aug. 31.....	103.23

Total allotment..... 32,641.84

Distributed among the several subactivities approximately as follows:

Ordinary current expenses.....	\$27,555.62
Fire and other emergency.....	1,412.78
Permanent improvement.....	3,673.44

Total..... 32,641.84

*Receipts from national forest resources.*

Timber sale.....	\$3,697.00
Timber settlement.....	6,334.49
Grazing.....	6,154.55
Special use.....	258.04
Water power.....	1,244.85

Total..... 17,688.93

## LEADVILLE NATIONAL FOREST (COLORADO).

[Area, 1,056,520 acres.]

Total expenditures.....	\$25,157.96
Outstanding liabilities, Aug. 31.....	119.41

Total allotment..... 25,277.37

Distributed among the several subactivities approximately as follows:

Ordinary current expenses.....	\$21,761.57
Fire and other emergency.....	10.00
Permanent improvement.....	2,006.62
Silviculture.....	1,499.18

Total..... 25,277.37

*Receipts from national forest resources.*

Timber sale.....	\$12,078.57
Timber settlement.....	28.75
Grazing.....	4,190.79
Special use.....	369.65
Water power.....	230.54

Total..... 16,898.30

## LEMHI NATIONAL FOREST (IDAHO).

[Area, 1,136,500 acres.]

Total expenditures.....	\$18,440.52
Outstanding liabilities, Aug. 31.....	57.92

Total allotment..... 18,498.44

Distributed among the several subactivities approximately as follows:

Ordinary current expenses.....	\$17,742.37
Fire and other emergency.....	7.50
Permanent improvements.....	695.17
Silviculture.....	53.40

Total..... 18,498.44

*Receipts from national forest resources.*

Timber sale.....	\$2,216.31
Grazing.....	6,659.70
Special use.....	32.80
Water power.....	18.00

Total..... 8,926.81

## LEWIS AND CLARK NATIONAL FOREST (MONTANA).

[Area, 826,360 acres.]

Total expenditures.....	\$20,213.45
Outstanding liabilities, Aug. 31.....	387.50

Total allotment..... 20,600.95

Distributed among the several subactivities approximately as follows:

Ordinary current expenses.....	\$16,852.11
Fire and other emergency.....	716.00
Permanent improvement.....	3,032.84

Total..... 20,600.95

*Receipts from national forest resources.*

Timber sale.....	\$1,710.32
Grazing.....	3,238.44
Special use.....	81.00

Total..... 5,029.76

## LINCOLN NATIONAL FOREST (NEW MEXICO).

[Area, 634,400 acres.]

Total expenditures.....	\$13,208.67
Outstanding liabilities, Aug. 31.....	104.58

Total allotment..... 13,313.25

Distributed among the several subactivities approximately as follows:

Ordinary current expenses.....	\$12,156.81
Fire and other emergency.....	32.70
Permanent improvement.....	1,123.74
Total.....	13,313.25

*Receipts from national forest resources.*

Timber sale.....	\$574.22
Timber trespass.....	7.00
Grazing.....	3,839.23
Grazing trespass.....	72.50
Special use.....	1,057.37
Total.....	5,550.32

LOLO NATIONAL FOREST (MONTANA).

[Area, 1,192,610 acres.]

Total expenditures.....	\$41,088.26
Outstanding liabilities, Aug. 31.....	147.24
Total allotment.....	41,235.50

Distributed among the several subactivities approximately as follows:

Ordinary current expenses.....	\$27,529.70
Fire and other emergency.....	671.55
Permanent improvement.....	4,800.00
Silviculture.....	8,234.25
Total.....	41,235.50

*Receipts from national forest resources.*

Timber sale.....	\$12,607.35
Timber trespass.....	1,612.50
Grazing.....	114.90
Special use.....	80.40
Water power.....	38.00
Total.....	14,453.15

LUQUILLO NATIONAL FOREST (PORTO RICO).

[Area, 65,950 acres.]

Total expenditures, \$3,000, all of which was for ordinary current expenses.  
No receipts.

MADISON NATIONAL FOREST (MONTANA).

[Area, 1,035,860 acres.]

Total expenditures.....	\$23,031.65
Outstanding liabilities, Aug. 31.....	142.88
Total allotment.....	23,174.53

Distributed among the several subactivities approximately as follows:

Ordinary current expenses.....	\$20,807.15
Permanent improvement.....	1,557.25
Silviculture.....	810.13
Total.....	23,174.53

*Receipts from national forest resources.*

Timber sale.....	\$6,330.41
Timber settlement.....	76.93
Timber trespass.....	52.25
Grazing.....	11,016.20
Special use.....	737.98
Total.....	18,213.77

MALHEUR NATIONAL FOREST (OREGON).

[Area, 1,262,840 acres.]

Total expenditures.....	\$22,361.32
Outstanding liabilities, Aug. 31.....	6.74
Total allotment.....	22,368.06

Distributed among the several subactivities approximately as follows:

Ordinary current expenses.....	\$21,269.22
Permanent improvement.....	1,098.84
Total.....	22,368.06

*Receipts from national forest resources.*

Timber sale.....	\$3,516.15
Grazing.....	13,672.41
Special use.....	503.72
Total.....	17,692.28

MANTI NATIONAL FOREST (UTAH).

[Area, 798,610 acres.]

Total expenditures.....	\$25,780.41
Outstanding liabilities, Aug. 31.....	35.25
Total allotment.....	25,815.66

Distributed among the several subactivities approximately as follows:

Ordinary current expenses.....	\$23,171.48
Permanent improvement.....	1,588.09
Silviculture.....	1,056.09
Total.....	25,815.66

*Receipts from national forest resources.*

Timber sale.....	\$10,790.49
Timber trespass.....	68.88
Grazing.....	18,847.10
Special use.....	15.00
Fire trespass.....	10.83
Water power.....	3.05
Total.....	29,735.35

MANZANO NATIONAL FOREST (NEW MEXICO).

[Area, 600,500 acres.]

Total expenditures.....	\$7,861.64
Outstanding liabilities, Aug. 31.....	39.89
Total allotment.....	7,901.53

Distributed among the several subactivities approximately as follows:

Ordinary current expenses.....	\$6,224.34
Fire and other emergency.....	6.50
Permanent improvement.....	1,670.69
Total.....	7,901.53

*Receipts from national forest resources.*

Timber sale.....	\$954.00
Grazing.....	2,783.10
Special use.....	44.00
Total.....	3,781.10

MARQUETTE NATIONAL FOREST (MICHIGAN).

[Area, 31,843 acres.]

Total expenditures.....	\$3,888.07
Outstanding liabilities, Aug. 31.....	50.20
Total allotment.....	3,938.27

Distributed among the several subactivities approximately as follows:

Ordinary current expenses.....	\$3, 638. 07
Permanent improvement.....	300. 20
Total.....	3, 938. 27

*Receipts from national forest resources.*

Timber sale.....	\$115. 57
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MEDICINE BOW NATIONAL FOREST (WYOMING).

[Area, 511,382 acres.]

Total expenditures.....	\$26, 433. 01
Outstanding liabilities, Aug. 31.....	1, 486. 49

Total allotment.....	27, 919. 50
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Distributed among the several subactivities approximately as follows:

Ordinary current expenses.....	\$22, 957. 03
Fire and other emergency.....	201. 91
Permanent improvement.....	1, 500. 00
Silviculture.....	3, 260. 56

Total.....	27, 919. 50
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*Receipts from national forest resources.*

Timber sale.....	\$1, 624. 40
Timber settlement.....	1, 995. 00
Timber trespass.....	158. 56
Grazing.....	6, 054. 51
Grazing trespass.....	2. 34
Special use.....	240. 80

Total.....	10, 075. 61
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MICHIGAN NATIONAL FOREST (MICHIGAN).

[Area, 131,928 acres.]

Total expenditures.....	\$5, 616. 44
Outstanding liabilities, Aug. 31.....	87. 06

Total allotment.....	5, 703. 50
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Distributed among the several subactivities approximately as follows:

Ordinary current expenses.....	\$3, 707. 84
Fire and other emergency.....	406. 07
Permanent improvement.....	721. 43
Silviculture.....	868. 16

Total.....	5, 703. 50
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*Receipts from national forest resources.*

Timber sale.....	\$138. 00
Fire trespass.....	26. 00

164. 00

MINAM NATIONAL FOREST (OREGON).

[Area, 448,330 acres.]

Total expenditures.....	\$11, 166. 21
Outstanding liabilities, Aug. 31.....	139. 98

Total allotment.....	11, 306. 19
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Distributed among the several subactivities approximately as follows:

Ordinary current expenses.....	\$10, 756. 21
Permanent improvement.....	549. 98

Total.....	11, 306. 19
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*Receipts from national forest resources.*

Timber sale.....	\$1, 610. 10
Timber settlement.....	526. 88
Grazing.....	6, 155. 91
Special use.....	24. 00
Water power.....	145. 40

8, 462. 29

MINIDOKA NATIONAL FOREST (IDAHO AND UTAH).

[Area, 631,330 acres.]

Total expenditures.....	\$13, 791. 99
Outstanding liabilities, Aug. 31.....	3. 67

Total allotment.....	13, 795. 66
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Distributed among the several subactivities approximately as follows:

Ordinary current expenses.....	\$12, 335. 08
Permanent improvement.....	565. 91
Silviculture.....	894. 67

Total.....	13, 795. 66
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*Receipts from national forest resources.*

Timber sale.....	\$1, 118. 15
Timber trespass.....	1. 50
Grazing.....	11, 510. 38
Grazing trespass.....	66. 32
Special use.....	56. 50

12, 752. 85

MINNESOTA NATIONAL FOREST (MINNESOTA).

[Area, 294,750 acres.]

Total expenditures.....	\$16, 984. 08
Outstanding liabilities, Aug. 31.....	. 40

Total allotment.....	16, 984. 48
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Distributed among the several subactivities approximately as follows:

Ordinary current expenses.....	\$16, 000. 51
Fire and other emergency.....	53. 50
Permanent improvement.....	930. 47

Total.....	16, 984. 48
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*Receipts from national forest resources.*

Special use.....	\$539. 75
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MISSOULA NATIONAL FOREST (MONTANA).

[Area, 1,187,650 acres.]

Total expenditures.....	\$21, 098. 01
Outstanding liabilities, Aug. 31.....	190. 08

Total allotment.....	21, 288. 09
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Distributed among the several subactivities approximately as follows:

Ordinary current expenses.....	\$17, 302. 24
Fire and other emergency.....	600. 00
Permanent improvement.....	3, 385. 85

Total.....	21, 288. 09
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*Receipts from national forest resources.*

Timber sale.....	\$1, 128. 88
Timber settlement.....	299. 85
Timber trespass.....	57. 50
Grazing.....	2, 505. 07
Special use.....	199. 78
Water power.....	56. 05

Total.....	4, 247. 13
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MOAPA NATIONAL FOREST (NEVADA).		MONTEZUMA NATIONAL FOREST (COLORADO).	
[Area, 390,500 acres.]		[Area, 812,100 acres.]	
Total expenditures, \$396.55, all of which was for ordinary current expenses.		Total expenditures.....	\$17,392.12
No receipts.		Outstanding liabilities, Aug. 31.....	12.00
MODOC NATIONAL FOREST (CALIFORNIA).		Total allotment.....	
[Area, 1,578,200 acres.]		17,404.12	
Total expenditures.....	\$23,446.48	Distributed among the several subactivities approximately as follows:	
Outstanding liabilities, Aug. 31.....	.50	Ordinary current expenses.....	\$16,399.86
Total allotment.....		Fire and other emergency.....	23.00
23,446.98		Permanent improvement.....	880.06
Distributed among the several subactivities approximately as follows:		Silviculture.....	101.20
Ordinary current expenses.....	\$20,966.32	Total.....	
Fire and other emergency.....	99.83	17,404.12	
Permanent improvement.....	2,380.83	<i>Receipts from national forest resources.</i>	
Total.....		Timber sale.....	\$4,684.54
23,446.98		Timber settlement.....	100.00
<i>Receipts from national forest resources.</i>		Grazing.....	9,166.63
Timber sale.....	\$3,728.26	Special use.....	411.75
Grazing.....	13,355.49	Water power.....	23.40
Grazing trespass.....	156.24	Total.....	
Special use.....	735.02	14,386.32	
Water power.....	60.00	NEBO NATIONAL FOREST (UTAH).	
Total.....		[Area, 281,400 acres.]	
18,035.01		Total expenditures.....	\$9,530.73
MONO NATIONAL FOREST (CALIFORNIA AND NEVADA).		Outstanding liabilities, Aug. 31.....	1.34
[Area, 1,366,440 acres.]		Total allotment.....	
Total expenditures.....	\$12,104.41	9,532.07	
Outstanding liabilities, Aug. 31.....	11.63	Distributed among the several subactivities approximately as follows:	
Total allotment.....		Ordinary current expenses.....	\$8,002.37
12,126.04		Fire and other emergency.....	4.00
Distributed among the several subactivities approximately as follows:		Permanent improvement.....	310.63
Ordinary current expenses.....	\$11,385.78	Silviculture.....	1,215.07
Permanent improvement.....	740.26	Total.....	
Total.....		9,532.07	
12,126.04		<i>Receipts from national forest resources.</i>	
<i>Receipts from national forest resources.</i>		Timber sale.....	\$179.80
Timber sale.....	\$1,005.11	Grazing.....	4,968.28
Timber trespass.....	26.54	Special use.....	34.80
Grazing.....	8,543.75	Water power.....	2.05
Grazing trespass.....	327.27	Total.....	
Special use.....	321.22	5,184.93	
Water power.....	93.30	NEBRASKA NATIONAL FOREST (NEBRASKA).	
Total.....		[Area, 556,700 acres.]	
10,317.19		Total expenditures.....	\$18,869.43
MONTEREY NATIONAL FOREST (CALIFORNIA).		Outstanding liabilities, Aug. 31.....	75.97
[Area, 501,150 acres.]		Total allotment.....	
Total expenditures.....	\$8,020.55	18,945.40	
Outstanding liabilities, Aug. 31.....	134.24	Distributed among the several subactivities approximately as follows:	
Total allotment.....		Ordinary current expenses.....	\$8,925.55
8,154.79		Permanent improvement.....	1,533.81
Distributed among the several subactivities approximately as follows:		Silviculture.....	8,486.04
Ordinary current expenses.....	7,367.29	Total.....	
Fire and other emergency.....	38.65	18,945.40	
Permanent improvement.....	748.85	<i>Receipts from national forest resources.</i>	
Total.....		Grazing.....	\$12,015.76
8,154.79		Special use.....	381.70
<i>Receipts from national forest resources.</i>		Total.....	
Timber sale.....	\$623.37	12,397.46	
Grazing.....	772.48		
Special use.....	82.00		
Total.....			
1,477.85			

## NEVADA NATIONAL FOREST (NEVADA).

[Area, 1,221,000 acres.]

Total expenditures..... \$14,920.45

Distributed among the several subactivities approximately as follows:

Ordinary current expenses.....	\$14,383.54
Permanent improvement.....	348.27
Silviculture.....	188.64

Total..... 14,920.45

*Receipts from national forest resources.*

Timber sale.....	\$5,097.89
Grazing.....	6,030.37
Grazing trespass.....	253.20
Special use.....	65.40

Total..... 11,446.86

## NEZPERCE NATIONAL FOREST (IDAHO).

[Area, 1,745,060 acres.]

Total expenditures..... \$23,797.21

Outstanding liabilities, Aug. 31..... 10.65

Total allotment..... 23,807.86

Distributed among the several subactivities approximately as follows:

Ordinary current expenses.....	\$19,800.36
Fire and other emergency.....	907.50
Permanent improvement.....	3,100.00

Total..... 23,807.86

*Receipts from national forest resources.*

Timber sale.....	\$302.95
Grazing.....	4,697.84
Grazing trespass.....	48.00
Special use.....	277.02
Water power.....	364.25

Total..... 5,690.06

## OCHOCO NATIONAL FOREST (OREGON).

[Area, 819,030 acres.]

Total expenditures..... \$26,001.17

Outstanding liabilities, Aug. 31..... 49.11

Total allotment..... 26,050.28

Distributed among the several subactivities approximately as follows:

Ordinary current expenses.....	\$17,603.32
Fire and other emergency.....	6,513.49
Permanent improvement.....	1,933.47

Total..... 26,050.28

*Receipts from national forest resources.*

Timber sale.....	\$562.00
Grazing.....	8,485.66
Special use.....	1,481.36

Total..... 9,196.02

## OKANAGON NATIONAL FOREST (WASHINGTON).

[Area, 1,541,000 acres.]

Total expenditures..... \$24,154.91

Outstanding liabilities, Aug. 31..... 19.64

Total allotment..... 24,174.55

Distributed among the several subactivities approximately as follows:

Ordinary current expenses.....	\$21,471.55
Permanent improvement.....	2,703.00

Total..... 24,174.55

*Receipts from national forest resources.*

Timber sale.....	\$1,340.94
Timber settlement.....	25.00
Grazing.....	5,100.54
Special use.....	126.39

Total..... 6,592.87

## OLYMPIC NATIONAL FOREST (WASHINGTON).

[Area, 1,652,000 acres.]

Total expenditures..... \$29,996.06

Outstanding liabilities, Aug. 31..... 4.10

Total allotment..... 30,000.16

Distributed among the several subactivities approximately as follows:

Ordinary current expenses.....	\$21,535.13
Fire and other emergency.....	8.50
Permanent improvement.....	6,039.04
Silviculture.....	2,417.49

Total..... 30,000.16

*Receipts from national forest resources.*

Timber sale.....	\$1,492.73
Timber settlement.....	50.00
Grazing.....	6.25
Special use.....	511.00
Water power.....	5.00

Total..... 2,064.98

## OREGON NATIONAL FOREST (OREGON).

[Area, 1,140,920 acres.]

Total expenditures..... \$41,820.24

Outstanding liabilities, Aug. 31..... 55.27

Total allotment..... 41,875.51

Distributed among the several subactivities approximately as follows:

Ordinary current expenses.....	\$27,186.46
Fire and other emergency.....	183.42
Permanent improvement.....	4,755.63
Silviculture.....	9,750.00

Total..... 41,875.51

*Receipts from national forest resources.*

Timber sale.....	\$2,178.25
Timber settlement.....	7.70
Grazing.....	2,314.09
Grazing trespass.....	73.80
Special use.....	102.75
Water power.....	2,146.00

Total..... 6,822.59

## OZARK NATIONAL FOREST (ARKANSAS).

[Area, 963,500 acres.]

Total expenditures..... \$32,269.83

Outstanding liabilities, Aug. 31..... 189.31

Total allotment..... 32,459.14

Distributed among the several subactivities approximately as follows:

Ordinary current expenses.....	\$24,836.46
Fire and other emergency.....	5,357.10
Permanent improvement.....	2,261.08
Silviculture.....	4.50
Total.....	32,459.14

*Receipts from national forest resources.*

Timber sale.....	\$15,634.54
Timber settlement.....	25.00
Timber trespass.....	58.81
Grazing.....	32.40
Special use.....	148.40
Total.....	15,899.15

PALISADE NATIONAL FOREST (IDAHO AND WYOMING).

[Area, 557,500 acres.]

Total expenditures.....	\$20,784.51
Outstanding liabilities, Aug. 31.....	50.97
Total allotment.....	20,835.48

Distributed among the several subactivities approximately as follows:

Ordinary current expenses.....	\$16,820.93
Permanent improvement.....	3,799.88
Silviculture.....	214.67
Total.....	20,835.48

*Receipts from national forest resources.*

Timber sale.....	\$3,273.54
Grazing.....	6,556.06
Special use.....	30.38
Fire trespass.....	243.93
Total.....	10,103.91

PAULINA NATIONAL FOREST (OREGON).

[Area, 1,333,360 acres.]

Total expenditures.....	\$13,504.85
Outstanding liabilities, Aug. 31.....	3.00
Total allotment.....	13,507.85

Distributed among the several subactivities approximately as follows:

Ordinary current expenses.....	\$12,911.49
Fire and other emergency.....	6.00
Permanent improvement.....	590.36
Total.....	13,507.85

*Receipts from national forest resources.*

Timber sale.....	\$62.55
Timber settlement.....	378.18
Grazing.....	2,092.39
Special use.....	117.35
Total.....	2,650.47

PAYETTE NATIONAL FOREST (IDAHO).

[Area, 863,750 acres.]

Total expenditures.....	\$38,612.81
Outstanding liabilities, Aug. 31.....	101.75
Total allotment.....	38,714.56

Distributed among the several subactivities approximately as follows:

Ordinary current expenses.....	\$31,542.88
Fire and other emergency.....	87.90
Permanent improvement.....	6,833.78
Silviculture.....	250.00
Total.....	38,714.56

*Receipts from national forest resources.*

Timber sale.....	\$19,030.41
Grazing.....	6,603.62
Special use.....	18.00
Water power.....	10.50
Total.....	25,662.53

PECOS NATIONAL FOREST (NEW MEXICO).

[Area, 715,500 acres.]

Total expenditures.....	\$26,603.91
Outstanding liabilities, Aug. 31.....	27.60
Total allotment.....	26,631.51

Distributed among the several subactivities approximately as follows:

Ordinary current expenses.....	\$21,989.63
Fire and other emergency.....	53.90
Permanent improvement.....	3,978.14
Silviculture.....	609.84
Total.....	26,631.51

*Receipts from national forest resources.*

Timber sale.....	\$6,313.72
Timber trespass.....	780.68
Grazing.....	2,635.43
Grazing trespass.....	12.00
Special use.....	241.25
Total.....	9,983.08

PEND OREILLE NATIONAL FOREST (IDAHO).

[Area, 858,000 acres.]

Total expenditures.....	\$39,555.29
Outstanding liabilities, Aug. 31.....	208.72
Total allotment.....	39,764.01

Distributed among the several subactivities approximately as follows:

Ordinary current expenses.....	\$29,154.10
Fire and other emergency.....	1,487.88
Permanent improvement.....	4,500.00
Silviculture.....	4,622.03
Total.....	39,764.01

*Receipts from national forest resources.*

Timber sale.....	\$16,939.19
Grazing.....	817.99
Special use.....	176.00
Total.....	17,933.18

PIKE NATIONAL FOREST (COLORADO).

[Area, 1,323,000 acres.]

Total expenditures.....	\$45,451.99
Outstanding liabilities, Aug. 31.....	344.16
Total allotment.....	45,796.15

Distributed among the several subactivities approximately as follows:

Ordinary current expenses.....	\$36,525.25
Fire and other emergency.....	87.60
Permanent improvement.....	3,015.00
Silviculture.....	6,168.30
Total.....	45,796.15

*Receipts from national forest resources.*

Timber sale.....	\$5,987.98
Timber settlement.....	64.01
Timber trespass.....	207.62
Grazing.....	4,242.46
Special use.....	910.55
Water power.....	297.67
Total.....	11,710.29

PLUMAS NATIONAL FOREST (CALIFORNIA).

[Area, 1,433,600 acres.]

Total expenditures.....	\$47,253.93
Outstanding liabilities, Aug. 31.....	76.47

Total allotment.....	47,330.40
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Distributed among the several subactivities approximately as follows:

Ordinary current expenses.....	\$39,168.06
Fire and other emergency.....	3,648.95
Permanent improvement.....	4,401.39
Silviculture.....	112.00
Total.....	47,330.40

*Receipts from national forest resources.*

Timber sale.....	\$24,572.70
Timber settlement.....	214.35
Timber trespass.....	256.12
Grazing.....	7,222.68
Grazing trespass.....	20.93
Special use.....	1,090.86
Water power.....	437.09
Total.....	33,814.73

POCATELLO NATIONAL FOREST (IDAHO AND UTAH).

[Area, 292,560 acres.]

Total expenditures as above.....	\$11,253.31
Outstanding liabilities, Aug. 31.....	1.78

Total allotment.....	11,255.09
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Distributed among the several subactivities approximately as follows:

Ordinary current expenses.....	\$9,082.61
Permanent improvement.....	298.25
Silviculture.....	1,874.23
Total.....	11,255.09

*Receipts from national forest resources.*

Timber sale.....	\$648.15
Timber trespass.....	3.01
Grazing.....	5,298.89
Grazing trespass.....	283.90
Special use.....	56.43
Water power.....	63.60
Total.....	6,353.98

POWELL NATIONAL FOREST (UTAH).

[Area, 404,700 acres.]

Total expenditures.....	\$12,391.82
Outstanding liabilities, Aug. 31.....	19.10

Total allotment.....	12,410.92
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Distributed among the several subactivities approximately as follows:

Ordinary current expenses.....	\$10,713.39
Permanent improvement.....	1,697.53

Total.....	12,410.92
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*Receipts from national forest resources.*

Timber sale.....	\$1,365.00
Grazing.....	9,307.73
Special use.....	33.00

Total.....	10,705.73
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PRESCOTT NATIONAL FOREST (ARIZONA).

[Area, 1,572,000 acres.]

Total expenditures.....	\$20,367.92
Outstanding liabilities, Aug. 31.....	1.36

Total allotment.....	20,369.28
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Distributed among the several subactivities approximately as follows:

Ordinary current expenses.....	\$19,776.38
Fire and other emergency.....	67.90
Permanent improvement.....	525.00

Total.....	20,369.28
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*Receipts from national forest resources.*

Timber sale.....	\$1,286.34
Grazing.....	20,060.92
Grazing trespass.....	19.50
Special use.....	1,397.29
Water power.....	548.50

23,312.55

RAINIER NATIONAL FOREST (WASHINGTON).

[Area, 1,567,000 acres.]

Total expenditures.....	\$32,430.01
Outstanding liabilities, Aug. 31.....	152.86

Total allotment.....	32,582.87
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Distributed among the several subactivities approximately as follows:

Ordinary current expenses.....	\$25,164.75
Fire and other emergency.....	25.50
Permanent improvement.....	7,392.62

Total.....	32,582.87
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*Receipts from national forest resources.*

Timber sale.....	\$13,718.59
Grazing.....	4,431.97
Special use.....	25.81
Water power.....	478.00

18,654.37

## RIO GRANDE NATIONAL FOREST (COLORADO).

[Area, 1,221,300 acres.]

Total expenditures.....	\$27,035.54
Outstanding liabilities, Aug. 31.....	13.01

Total allotment.....	27,048.55
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Distributed among the several subactivities approximately as follows:

Ordinary current expenses.....	\$21,934.26
Fire and other emergency.....	64.30
Permanent improvement.....	4,699.99
Silviculture.....	350.00

Total.....	27,048.55
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*Receipts from national forest resources.*

Timber sale.....	\$4,544.11
Timber settlement.....	1.00
Grazing.....	17,404.29
Grazing trespass.....	48.00
Special use.....	382.75
Water power.....	155.87

Total.....	22,536.02
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## ROUTT NATIONAL FOREST (COLORADO).

[Area, 936,100 acres.]

Total expenditures.....	\$22,754.70
Outstanding liabilities, Aug. 31.....	516.15

Total allotment.....	23,270.90
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Distributed among the several subactivities approximately as follows:

Ordinary current expenses.....	\$20,436.14
Fire and other emergency.....	9.15
Permanent improvement.....	2,402.50
Silviculture.....	423.11

Total.....	23,270.90
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*Receipts from national forest resources.*

Timber sale.....	\$2,648.10
Timber settlement.....	3.50
Timber trespass.....	7.14
Grazing.....	11,875.92
Grazing trespass.....	1.10
Special use.....	112.00
Occupancy trespass.....	11.70

Total.....	14,659.46
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## RUBY NATIONAL FOREST (NEVADA).

[Area, 433,570 acres.]

Total expenditures, \$7,374.92, all of which was for ordinary current expenses.

*Receipts from national forest resources.*

Grazing.....	\$5,477.23
Special use.....	243.82
Water power.....	8.20

Total.....	5,729.25
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## ST. JOE NATIONAL FOREST (IDAHO).

[Area, 1,033,500 acres.]

Total expenditures.....	\$48,991.22
Outstanding liabilities, Aug. 31.....	190.12

Total allotment.....	49,181.34
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Distributed among the several subactivities approximately as follows:

Ordinary current expenses.....	\$42,932.25
Fire and other emergency.....	12.50
Permanent improvement.....	6,198.53
Silviculture.....	38.06

Total.....	49,181.34
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*Receipts from national forest resources.*

Timber sale.....	\$36,289.94
Grazing.....	170.00
Special use.....	155.00

Total.....	36,614.94
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## SALMON NATIONAL FOREST (IDAHO).

[Area, 1,635,500 acres.]

Total expenditures.....	\$30,096.27
Outstanding liabilities, Aug. 31.....	39.80

Total allotment.....	30,136.07
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Distributed among the several subactivities approximately as follows:

Ordinary current expenses.....	\$26,845.50
Fire and other emergency.....	32.50
Permanent improvement.....	3,120.00
Silviculture.....	138.07

Total.....	30,136.07
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*Receipts from national forest resources.*

Timber sale.....	\$4,823.23
Grazing.....	3,858.52
Special use.....	35.90

Total.....	8,717.65
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## SAN ISABEL NATIONAL FOREST (COLORADO).

[Area, 651,200 acres.]

Total expenditures.....	\$17,990.28
Outstanding liabilities, Aug. 31.....	223.64

Total allotment.....	18,213.92
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Distributed among the several subactivities approximately as follows:

Ordinary current expenses.....	\$15,533.02
Fire and other emergency.....	31.90
Permanent improvement.....	990.00
Silviculture.....	1,659.00

Total.....	18,213.92
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*Receipts from national forest resources.*

Timber sale.....	\$613.22
Timber trespass.....	92.54
Grazing.....	3,214.47
Special use.....	350.42
Water power.....	28.20

Total.....	4,298.95
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## SAN JUAN NATIONAL FOREST (COLORADO).

[Area, 745,000 acres.]

Total expenditures.....	\$19,116.67
Outstanding liabilities, Aug. 31.....	19.40

Total allotment.....	19,136.07
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Distributed among the several subactivities approximately as follows:

Ordinary current expenses.....	\$15,790.29
Fire and other emergency.....	33.00
Permanent improvement.....	2,970.71
Silviculture.....	342.07

Total..... 19,136.07

*Receipts from national forest resources.*

Timber sale.....	\$8,138.82
Timber trespass.....	57.10
Grazing.....	8,626.86
Special use.....	418.35
Occupancy trespass.....	260.43

Total..... 17,501.56

SANTA BARBARA NATIONAL FOREST (CALIFORNIA).

[Area, 2,348,200 acres.]

Total expenditures.....	\$39,554.62
Outstanding liabilities, Aug. 31.....	36.55

Total allotment..... 39,591.17

Distributed among the several subactivities approximately as follows:

Ordinary current expenses.....	\$31,864.51
Fire and other emergency.....	4,052.29
Permanent improvement.....	3,674.37

Total..... 39,591.17

*Receipts from national forest resources.*

Timber sale.....	\$212.00
Timber settlement.....	93.75
Grazing.....	5,427.39
Grazing trespass.....	100.00
Special use.....	1,127.36
Water power.....	198.75

Total..... 7,159.25

SANTA ROSA NATIONAL FOREST (NEVADA).

[Area, 299,960 acres.]

Total expenditures.....	\$11,556.91
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Distributed among the several subactivities approximately as follows:

Ordinary current expenses.....	\$9,347.51
Fire and other emergency.....	15.00
Permanent improvement.....	2,194.40

Total..... 11,556.91

*Receipts from national forest resources.*

Timber sale.....	\$43.00
Grazing.....	8,298.22
Grazing trespass.....	218.30
Special use.....	36.30

Total..... 8,595.82

SANTIAM NATIONAL FOREST (OREGON).

[Area, 710,170 acres.]

Total expenditures.....	\$17,182.45
Outstanding liabilities, Aug. 31.....	24.08

Total allotment..... 17,206.53

Distributed among the several subactivities approximately as follows:

Ordinary current expenses.....	\$13,613.41
Fire and other emergency.....	17.20

Permanent improvement.....	\$3,550.92
Silviculture.....	25.00

Total..... 17,206.53

*Receipts from national forest resources.*

Timber settlement.....	\$10.00
Grazing.....	890.74
Special use.....	72.00
Water power.....	1,110.00

Total..... 2,082.74

SAWTOOTH NATIONAL FOREST (IDAHO).

[Area, 1,320,000 acres.]

Total expenditures.....	\$21,691.82
Outstanding liabilities, Aug. 31.....	4.83

Total allotment..... 21,696.65

Distributed among the several subactivities approximately as follows:

Ordinary current expenses.....	\$18,693.62
Fire and other emergency.....	90
Permanent improvement.....	2,073.13
Silviculture.....	929.00

Total..... 21,696.65

*Receipts from national forest resources.*

Timber sale.....	\$1,909.84
Timber trespass.....	8.03
Grazing.....	20,061.88
Grazing trespass.....	186.00
Special use.....	149.25
Water power.....	9.10

Total..... 22,324.10

SELWAY NATIONAL FOREST (IDAHO).

[Area, 1,802,000 acres.]

Total expenditures.....	\$28,545.69
Outstanding liabilities, Aug. 31.....	98.16

Total allotment..... 28,643.85

Distributed among the several subactivities approximately as follows:

Ordinary current expenses.....	\$20,266.27
Fire and other emergency.....	1,950.00
Permanent improvement.....	6,202.58
Silviculture.....	225.00

Total..... 28,643.85

*Receipts from national forest resources.*

Timber sale.....	\$158.25
Grazing.....	158.06
Special use.....	18.00

Total..... 334.31

SEQUOIA NATIONAL FOREST (CALIFORNIA).

[Area, 1,191,840 acres.]

Total expenditures.....	\$27,965.04
Outstanding liabilities, Aug. 31.....	70.40

Total allotment..... 28,035.44

Distributed among the several subactivities approximately as follows:

Ordinary current expenses.....	\$21,831.20
Fire and other emergency.....	2,430.75
Permanent improvement.....	3,773.49

Total..... 28,035.44

*Receipts from national forest resources.*

Timber sale.....	\$8,457.51
Timber settlement.....	495.22
Timber trespass.....	359.53
Grazing.....	4,903.02
Grazing trespass.....	8.00
Special use.....	798.20
Water power.....	877.82
<b>Total.....</b>	<b>15,899.30</b>

SEVIER NATIONAL FOREST (UTAH).

[Area, 802,660 acres.]

Total expenditures.....	\$16,026.57
Outstanding liabilities, Aug. 31.....	11.60
<b>Total allotment.....</b>	<b>16,038.19</b>
Distributed among the several subactivities approximately as follows:	
Ordinary current expenses.....	\$13,933.26
Permanent improvement.....	1,604.93
Silviculture.....	500.00
<b>Total.....</b>	<b>16,038.19</b>

*Receipts from national forest resources.*

Timber sale.....	\$1,386.17
Grazing.....	12,997.68
Grazing trespass.....	48.00
Special use.....	86.30
<b>Total.....</b>	<b>14,518.15</b>

SHASTA NATIONAL FOREST (CALIFORNIA).

[Area, 1,586,880 acres.]

Total expenditures.....	\$43,851.45
Outstanding liabilities, Aug. 31.....	335.14
<b>Total allotment.....</b>	<b>44,186.59</b>
Distributed among the several subactivities approximately as follows:	
Ordinary current expenses.....	\$34,725.13
Fire and other emergency.....	2,703.35
Permanent improvement.....	3,489.68
Silviculture.....	3,268.43
<b>Total.....</b>	<b>44,186.59</b>

*Receipts from national forest resources.*

Timber sale.....	\$9,641.29
Timber settlement.....	108.42
Timber trespass.....	131.24
Grazing.....	2,920.27
Special use.....	129.33
Water power.....	30.25
<b>Total.....</b>	<b>12,960.80</b>

SHOSHONE NATIONAL FOREST (WYOMING).

[Area, 1,609,000 acres.]

Total expenditures.....	\$25,090.97
Outstanding liabilities, Aug. 31.....	15.75
<b>Total allotment.....</b>	<b>25,106.72</b>
Distributed among the several subactivities approximately as follows:	
Ordinary current expenses.....	\$19,926.97
Permanent improvement.....	4,929.84
Silviculture.....	249.91
<b>Total.....</b>	<b>25,106.72</b>

*Receipts from national forest resources.*

Timber sale.....	\$433.45
Grazing.....	6,442.90
Grazing trespass.....	9.00
Special use.....	478.38
<b>Total.....</b>	<b>7,363.73</b>

SIERRA NATIONAL FOREST (CALIFORNIA).

[Area, 1,743,000 acres.]

Total expenditures.....	\$54,934.58
Outstanding liabilities, Aug. 31.....	218.94
<b>Total allotment.....</b>	<b>55,153.52</b>
Distributed among the several subactivities approximately as follows:	
Ordinary current expenses.....	\$42,385.13
Fire and other emergency.....	8,325.24
Permanent improvement.....	4,426.15
Silviculture.....	17.00
<b>Total.....</b>	<b>55,153.52</b>

*Receipts from national forest resources.*

Timber sale.....	\$42,131.40
Timber settlement.....	14,315.36
Timber trespass.....	1,702.43
Grazing.....	6,597.45
Grazing trespass.....	13.75
Special use.....	1,171.89
Fire trespass.....	105.55
Water power.....	8,880.36
<b>Total.....</b>	<b>74,918.19</b>

SIoux NATIONAL FOREST (MONTANA AND SOUTH DAKOTA).

[Area, 211,580 acres.]

Total expenditures.....	\$12,194.34
Outstanding liabilities, Aug. 31.....	192.30
<b>Total allotment.....</b>	<b>12,386.64</b>
Distributed among the several subactivities approximately as follows:	
Ordinary current expenses.....	\$11,128.74
Fire and other emergency.....	4.75
Permanent improvement.....	1,253.15
<b>Total.....</b>	<b>12,386.64</b>

*Receipts from national forest resources.*

Timber sale.....	\$3,259.09
Grazing.....	3,340.91
Special use.....	1,567.16
<b>Total.....</b>	<b>8,167.16</b>

SISKIYOU NATIONAL FOREST (CALIFORNIA AND OREGON).

[Area, 1,694,250 acres.]

Total expenditures.....	\$54,655.83
Outstanding liabilities, Aug. 31.....	40.45
<b>Total allotment.....</b>	<b>34,696.28</b>
Distributed among the several subactivities approximately as follows:	
Ordinary current expenses.....	\$23,384.27
Fire and other emergency.....	204.50
Permanent improvement.....	9,307.54
Silviculture.....	1,799.97
<b>Total.....</b>	<b>34,696.28</b>

## EXPENDITURES OF THE DEPARTMENT OF AGRICULTURE.

*Receipts from national forest resources.*

Timber sale.....	\$918.30
Timber settlement.....	251.70
Timber trespass.....	5.15
Grazing.....	636.83
Special use.....	49.22
Water power.....	119.00
Total.....	1,980.23

## SITGREAVES NATIONAL FOREST (ARIZONA).

[Area, 893,720 acres.]

Total expenditures.....	\$25,813.87
Outstanding liabilities, Aug 31.....	28.71
Total allotment.....	25,842.58

Distributed among the several subactivities approximately as follows:

Ordinary current expenses.....	\$19,039.17
Fire and other emergency.....	586.05
Permanent improvement.....	6,217.41
Total.....	25,842.58

*Receipts from national forest resources.*

Timber sale.....	\$202.68
Timber trespass.....	12.95
Grazing.....	11,164.83
Grazing trespass.....	17.10
Special use.....	840.33
Total.....	12,237.89

## SIUSLAW NATIONAL FOREST (OREGON).

[Area, 820,000 acres.]

Total expenditures.....	\$32,033.97
Outstanding liabilities, Aug. 31.....	49.93
Total allotment.....	32,083.90

Distributed among the several subactivities approximately as follows:

Ordinary current expenses.....	\$13,637.12
Fire and other emergency.....	.90
Permanent improvement.....	2,612.23
Silviculture.....	15,833.65
Total.....	32,083.90

*Receipts from national forest resources.*

Timber sale.....	\$211.49
Timber settlement.....	215.27
Grazing.....	10.49
Occupancy trespass.....	8.00
Total.....	445.25

## SNOQUALMIE NATIONAL FOREST (WASHINGTON).

[Area, 1,042,000 acres.]

Total expenditures.....	\$37,161.09
Outstanding liabilities, Aug. 31.....	93.97
Total allotment.....	37,255.06

Distributed among the several subactivities approximately as follows:

Ordinary current expenses.....	\$25,120.96
Fire and other emergency.....	105.48
Permanent improvement.....	6,162.00
Silviculture.....	5,866.62
Total.....	37,255.06

*Receipts from national forest resources.*

Timber sale.....	\$25,500.00
Special use.....	71.00
Fire trespass.....	4,000.00
Total.....	29,571.00

## SOPRIS NATIONAL FOREST (COLORADO).

[Area, 656,000 acres.]

Total expenditures.....	\$23,087.76
Outstanding liabilities, Aug. 31.....	40.36
Total allotment.....	23,128.12

Distributed among the several subactivities approximately as follows:

Ordinary current expenses.....	\$18,414.07
Fire and other emergency.....	29.56
Permanent improvement.....	4,430.43
Silviculture.....	254.12
Total.....	23,128.12

*Receipts from national forest resources.*

Timber sale.....	\$6,089.73
Grazing.....	3,658.12
Special use.....	185.67
Water power.....	5.00
Total.....	9,938.52

## STANISLAUS NATIONAL FOREST (CALIFORNIA).

[Area, 1,136,500 acres.]

Total expenditures.....	\$36,160.86
Outstanding liabilities, Aug. 31.....	11.82
Total allotment.....	36,172.68

Distributed among the several subactivities approximately as follows:

Ordinary current expenses.....	\$30,061.14
Fire and other emergency.....	2,439.79
Permanent improvement.....	3,671.75
Total.....	36,172.68

*Receipts from national forest resources.*

Timber sale.....	\$19,576.65
Timber settlement.....	543.36
Timber trespass.....	164.62
Grazing.....	5,746.77
Grazing trespass.....	28.50
Special use.....	571.67
Fire trespass.....	44.40
Water power.....	3,779.72
Total.....	30,455.69

## SUNDANCE NATIONAL FOREST (WYOMING).

[Area, 179,121 acres.]

Total expenditures.....	\$9,198.45
Outstanding liabilities, Aug. 31.....	28.15
Total allotment.....	9,226.60

Distributed among the several subactivities approximately as follows:

Ordinary current expenses.....	\$8,125.64
Fire and other emergency.....	422.95
Permanent improvement.....	604.51
Silviculture.....	73.50
Total.....	9,226.60

*Receipts from national forest resources.*

Timber sale.....	\$260. 60
Grazing.....	893. 33
Grazing trespass.....	364. 94
Special use.....	154. 43
Fire trespass.....	14. 07
Total.....	1, 687. 37

## SUPERIOR NATIONAL FOREST (MINNESOTA).

[Area, 1,276,100 acres.]

Total expenditures.....	\$19, 516. 10
Outstanding liabilities, Aug. 31.....	59. 90

Total allotment..... 19, 576. 00

Distributed among the several subactivities approximately as follows:

Ordinary current expenses.....	\$15, 748. 68
Fire and other emergency.....	252. 35
Permanent improvement.....	3, 574. 97

Total..... 19, 576. 00

*Receipts from national forest resources.*

Timber sale.....	\$265. 00
Timber settlement.....	125. 00
Special use.....	81. 00
Total.....	471. 00

## TAHOE NATIONAL FOREST (CALIFORNIA AND NEVADA.)

[Area, 1,272,470 acres.]

Total expenditures.....	\$43, 006. 25
Outstanding liabilities, Aug. 31.....	36. 51

Total allotment..... 43, 042. 76

Distributed among the several subactivities approximately as follows:

Ordinary current expenses.....	\$36, 458. 89
Fire and other emergency.....	2, 688. 89
Permanent improvement.....	3, 823. 13
Silviculture.....	71. 85

Total..... 43, 042. 76

*Receipts from national forest resources.*

Timber sale.....	\$9, 984. 94
Timber trespass.....	619. 99
Grazing.....	6, 272. 32
Special use.....	269. 12
Water power.....	268. 63

Total..... 17, 4 5.

## TARGHEE NATIONAL FOREST (IDAHO AND WYOMING).

[Area, 823,450 acres.]

Total expenditures.....	\$29, 023. 60
Outstanding liabilities, Aug. 31.....	10. 00

Total allotment..... 29, 033. 60

Distributed among the several subactivities approximately as follows:

Ordinary current expenses.....	\$25, 844. 84
Fire and other emergency.....	20. 00
Permanent improvement.....	2, 000. 17
Silviculture.....	1, 168. 59

Total..... 29, 033. 60

*Receipts from national forest resources.*

Timber sale.....	\$7, 797. 54
Timber trespass.....	44. 11
Grazing.....	7, 588. 04
Special use.....	272. 25
Total.....	15, 701. 94

## TETON NATIONAL FOREST (WYOMING).

[Area, 1,978,850 acres.]

Total expenditures.....	\$24, 089. 18
Outstanding liabilities, Aug. 31.....	7. 30

Total allotment..... 24, 096. 48

Distributed among the several subactivities approximately as follows:

Ordinary current expenses.....	\$15, 398. 41
Permanent improvement.....	8, 698. 07

Total..... 24, 096. 48

*Receipts from national forest resources.*

Timber sale.....	\$732. 50
Grazing.....	1, 726. 16
Special use.....	114. 65
Total.....	2, 573. 31

## TOIYABE NATIONAL FOREST (NEVADA).

[Area, 1,963,100 acres.]

Total expenditures.....	\$13, 427. 12
Outstanding liabilities, Aug. 31.....	3. 82

Total allotment..... 13, 430. 94

Distributed among the several subactivities approximately as follows:

Ordinary current expenses.....	\$13, 017. 36
Permanent improvement.....	413. 58

Total..... 13, 430. 94

*Receipts from national forest resources.*

Timber sale.....	\$5, 899. 03
Grazing.....	7, 407. 67
Special use.....	158. 57
Water power.....	25. 00

Total..... 13, 490. 27

## TONGASS NATIONAL FOREST (ALASKA).

[Area, 15,481,000 acres.]

Total expenditures.....	\$26, 185. 01
Outstanding liabilities, Aug. 31.....	448. 54

Total allotment..... 26, 633. 55

Distributed among the several subactivities approximately as follows:

Ordinary current expenses.....	\$25, 325. 40
Permanent improvement.....	1, 308. 15

Total..... 26, 633. 55

*Receipts from national forest resources.*

Timber sale.....	\$46, 351. 34
Special use.....	2, 153. 80
Total.....	48, 505. 14

## EXPENDITURES OF THE DEPARTMENT OF AGRICULTURE.

TONGO NATIONAL FOREST (ARIZONA).		UINTA NATIONAL FOREST (UTAH).	
[Area, 2,156,000 acres.]		[Area, 1,286,500 acres.]	
Total expenditures.....	\$18,661.88	Total expenditures.....	\$27,281.21
Outstanding liabilities, Aug. 31.....	23.94	Outstanding liabilities, Aug. 31.....	40.20
<hr/>		<hr/>	
Total allotment.....	18,685.82	Total allotment.....	27,321.41
Distributed among the several subactivities approximately as follows:		Distributed among the several subactivities approximately as follows:	
Ordinary current expenses.....	\$15,825.39	Ordinary current expenses.....	\$23,229.40
Fire and other emergency.....	463.95	Permanent improvement.....	1,193.33
Permanent improvement.....	2,371.48	Silviculture.....	2,898.68
Silviculture.....	25.00	<hr/>	
Total.....	18,685.82	Total.....	27,321.41
<i>Receipts from national forest resources.</i>		<i>Receipts from national forest resources.</i>	
Timber sale.....	\$341.30	Timber sale.....	\$868.29
Grazing.....	15,664.92	Timber trespass.....	74.39
Grazing trespass.....	294.00	Grazing.....	22,157.87
Special use.....	1,223.31	Grazing trespass.....	63.00
Water power.....	1,599.25	Special use.....	62.20
<hr/>		<hr/>	
Total.....	19,122.78	Total.....	23,225.75
TRINITY NATIONAL FOREST (CALIFORNIA).		UMATILLA NATIONAL FOREST (OREGON).	
[Area, 1,746,020 acres.]		[Area, 556,920 acres.]	
Total expenditures.....	\$51,975.32	Total expenditures.....	\$14,687.14
Outstanding liabilities, Aug. 31.....	78.19	Outstanding liabilities, Aug. 31.....	154.20
<hr/>		<hr/>	
Total allotment.....	52,053.51	Total allotment.....	14,841.34
Distributed among the several subactivities approximately as follows:		Distributed among the several subactivities approximately as follows:	
Ordinary current expenses.....	\$36,096.06	Ordinary current expenses.....	\$12,513.35
Fire and other emergency.....	6,838.47	Permanent improvement.....	2,327.99
Permanent improvement.....	9,118.98	<hr/>	
Total.....	52,053.51	Total.....	14,841.34
<i>Receipts from national forest resources.</i>		<i>Receipts from national forest resources.</i>	
Timber sale.....	\$1,908.65	Grazing.....	\$6,685.38
Timber trespass.....	21.82	Special use.....	32.00
Grazing.....	4,023.58	<hr/>	
Special use.....	86.45	Total.....	6,717.38
Water power.....	5.00	UMPQUA NATIONAL FOREST (OREGON).	
<hr/>		[Area, 1,193,440 acres.]	
Total.....	6,045.50	Total expenditures.....	\$31,269.35
TUSAYAN NATIONAL FOREST (ARIZONA).		Outstanding liabilities, Aug. 31.....	30.96
[Area, 1,800,000 acres.]		<hr/>	
Total expenditures.....	\$28,413.99	Total allotment.....	31,300.31
Outstanding liabilities, Aug. 31.....	626.55	Distributed among the several subactivities approximately as follows:	
<hr/>		Ordinary current expenses.....	\$26,163.65
Total allotment.....	29,040.54	Fire and other emergency.....	16.75
Distributed among the several subactivities approximately as follows:		Permanent improvement.....	5,119.91
Ordinary current expenses.....	\$24,494.22	<hr/>	
Fire and other emergency.....	641.85	Total.....	31,300.31
Permanent improvement.....	3,749.58	<i>Receipts from national forest resources.</i>	
Silviculture.....	154.89	Timber sale.....	\$10,250.00
<hr/>		Grazing.....	669.49
Total.....	29,040.54	Special use.....	5.00
<i>Receipts from national forest resources.</i>		<hr/>	
Timber sale.....	\$35,315.48	Total.....	10,924.49
Grazing.....	17,535.36	UNCOMPAHGRE NATIONAL FOREST (COLORADO).	
Grazing trespass.....	372.00	[Area, 867,860 acres.]	
Special use.....	2,709.12	Total expenditures.....	\$22,726.41
<hr/>		Outstanding liabilities, Aug. 31.....	713.26
Total.....	55,931.96	<hr/>	
		Total allotment.....	23,439.67

Distributed among the several subactivities approximately as follows:

Ordinary current expenses.....	\$20,545.14
Permanent improvement.....	2,194.86
Silviculture.....	699.67
Total.....	23,439.67

*Receipts from national forest resources.*

Timber sale.....	\$4,288.65
Timber trespass.....	150.00
Grazing.....	10,388.08
Special use.....	939.54
Water power.....	5.00
Total.....	15,771.27

WALLOWA NATIONAL FOREST (OREGON).

[Area, 1,097,670 acres.]

Total expenditures.....	\$19,830.15
Outstanding liabilities, Aug. 31.....	71.53

Total allotment..... 19,901.68

Distributed among the several subactivities approximately as follows:

Ordinary current expenses.....	\$17,398.10
Permanent improvement.....	2,503.58

Total..... 19,901.68

*Receipts from national forest resources.*

Timber sale.....	\$130.50
Grazing.....	15,894.52
Grazing trespass.....	329.32
Special use.....	410.92

Total..... 16,765.26

WASATCH NATIONAL FOREST (UTAH).

[Area, 309,000 acres.]

Total expenditures.....	\$15,053.05
Outstanding liabilities, Aug. 31.....	11.19

Total allotment..... 15,064.24

Distributed among the several subactivities approximately as follows:

Ordinary current expenses.....	\$10,363.77
Permanent improvement.....	415.00
Silviculture.....	4,285.47

Total..... 15,064.24

*Receipts from national forest resources.*

Timber sale.....	\$271.90
Timber trespass.....	6.44
Grazing.....	3,810.64
Special use.....	68.25
Water power.....	59.00

Total..... 4,216.23

WASHAKIE NATIONAL FOREST (WYOMING).

[Area, 393,950 acres.]

Total expenditures.....	\$10,475.39
Outstanding liabilities, Aug. 31.....	69.28

Total allotment..... 10,544.67

Distributed among the several subactivities approximately as follows:

Ordinary current expenses.....	\$9,724.29
Permanent improvement.....	745.44
Silviculture.....	74.94

Total..... 10,544.67

*Receipts from national forest resources.*

Timber sale.....	\$519.50
Grazing.....	3,857.73
Special use.....	2.00
Water power.....	11.27

Total..... 4,390.50

WASHINGTON NATIONAL FOREST (WASHINGTON).

[Area, 1,490,000 acres.]

Total expenditures.....	\$25,861.08
Outstanding liabilities, Aug. 31.....	19.75

Total allotment..... 25,880.83

Distributed among the several subactivities approximately as follows:

Ordinary current expenses.....	\$21,042.73
Permanent improvement.....	4,838.10

Total..... 25,880.83

*Receipts from national forest resources.*

Timber sale.....	\$10,158.90
Timber settlement.....	10.00
Special use.....	42.00
Water power.....	369.40

Total..... 10,580.30

WEISER NATIONAL FOREST (IDAHO).

[Area, 680,460 acres.]

Total expenditures.....	\$24,813.80
Outstanding liabilities, Aug. 31.....	86.56

Total allotment..... 24,900.36

Distributed among the several subactivities approximately as follows:

Ordinary current expenses.....	\$21,992.11
Fire and other emergency.....	39.60
Permanent improvement.....	2,049.11
Silviculture.....	819.54

Total..... 24,900.36

*Receipts from national forest resources.*

Timber sale.....	\$1,648.88
Timber settlement.....	18.00
Timber trespass.....	1.75
Grazing.....	7,131.48
Grazing trespass.....	213.10
Special use.....	57.20
Water power.....	279.00

Total..... 9,349.41

WENAH NATIONAL FOREST (OREGON AND WASHINGTON).

[Area, 792,000 acres.]

Total expenditures.....	\$13,706.94
Outstanding liabilities, Aug. 31.....	683.19

Total allotment..... 14,390.13

Distributed among the several subactivities approximately as follows:

Ordinary current expenses.....	\$12,943.61
Permanent improvement.....	1,446.52
Total.....	14,390.13

*Receipts from national forest resources.*

Timber sale.....	\$414.50
Grazing.....	9,324.80
Special use.....	59.02
Total.....	9,798.32

WENATCHEE NATIONAL FOREST (WASHINGTON).

[Area, 1,157,000 acres.]

Total expenditures.....	\$21,306.78
Outstanding liabilities, Aug. 31.....	40.54

Total allotment.....	21,347.32
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\*Distributed among the several subactivities approximately as follows:

Ordinary current expenses.....	\$18,164.84
Fire and other emergency.....	141.86
Permanent improvement.....	3,034.17
Silviculture.....	6.45

Total.....	21,347.32
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*Receipts from national forest resources.*

Timber sale.....	\$5,705.85
Timber settlement.....	6,024.00
Timber trespass.....	26.44
Grazing.....	4,588.69
Special use.....	103.90
Fire trespass.....	75.00
Water power.....	295.59

Total.....	16,819.47
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WHITE RIVER NATIONAL FOREST (COLORADO).

[Area, 877,990 acres.]

Total expenditures.....	\$20,429.54
Outstanding liabilities, Aug. 31.....	995.50

Total allotment.....	21,425.04
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Distributed among the several subactivities approximately as follows:

Ordinary current expenses.....	\$19,800.72
Fire and other emergency.....	32.50
Permanent improvement.....	1,489.03
Silviculture.....	102.79

Total.....	21,425.04
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*Receipts from national forest resources.*

Timber sale.....	\$5,520.18
Grazing.....	7,237.12
Special use.....	333.06

Total.....	13,090.36
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WHITMAN NATIONAL FOREST (OREGON).

[Area, 949,230 acres.]

Total expenditures as above.....	\$32,845.39
Outstanding liabilities, Aug. 31.....	74.12

Total allotment.....	32,919.51
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Distributed among the several subactivities approximately as follows:

Ordinary current expenses.....	\$29,728.76
Fire and other emergency.....	.50
Permanent improvement.....	3,104.71
Silviculture.....	85.54

Total.....	32,919.51
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*Receipts from national forest resources.*

Timber sale.....	\$62,543.01
Timber settlement.....	1,216.84
Timber trespass.....	829.08
Grazing.....	8,267.98
Special use.....	154.66
Water power.....	395.00

Total.....	73,406.57
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WICHITA NATIONAL FOREST (OKLAHOMA).

[Area, 61,640 acres.]

Total expenditures.....	\$7,162.67
Outstanding liabilities, Aug. 31.....	2.26

Total allotment.....	7,164.93
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Distributed among the several subactivities approximately as follows:

Ordinary current expenses.....	\$5,744.85
Fire and other emergency.....	6.00
Permanent improvement.....	1,247.28
Silviculture.....	166.80

Total.....	7,164.93
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*Receipts from national forest resources.*

Timber sale.....	\$59.50
Grazing.....	2,621.29
Special use.....	12.00

Total.....	2,692.79
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WYOMING NATIONAL FOREST (WYOMING).

[Area, 912,000 acres.]

Total expenditures.....	\$23,377.19
Outstanding liabilities, Aug. 31.....	73.19

Total allotment.....	23,450.38
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Distributed among the several subactivities approximately as follows:

Ordinary current expenses.....	\$16,569.49
Permanent improvement.....	6,155.96
Silviculture.....	724.93

Total.....	23,450.38
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*Receipts from national forest resources.*

Timber sale.....	\$7,321.12
Grazing.....	14,434.43
Special use.....	10.20

Total.....	21,765.75
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ZUNI NATIONAL FOREST (ARIZONA AND NEW MEXICO).

[Area 652,710 acres.]

Total expenditures.....	\$7,918.02
Outstanding liabilities, Aug. 31.....	5.07

Total allotment.....	7,923.09
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Distributed among the several subactivities approximately as follows:

Ordinary current expenses.....	\$7,084.10
Fire and other emergency.....	94.31
Permanent improvement.....	744.68
<b>Total.....</b>	<b>7,923.09</b>

*Receipts from national forest resources.*

Timber sale.....	\$12,956.18
Timber settlement.....	154.05
Grazing.....	2,002.83
Grazing trespass.....	6.88
Special use.....	322.50
<b>Total.....</b>	<b>15,442.44</b>

**NEW FORESTS.****ADMINISTRATION OF AREAS PURCHASED UNDER WEEKS LAW.**

Mount Mitchell area.....	\$2,139.03
White Top area.....	2,994.13
Massanutten area.....	2,519.44
Georgia area.....	2,477.06
White Mountain area.....	5,149.37
Nantahala area.....	3,705.13
Natural Bridge area.....	2,477.74
Smoky Mountain area.....	2,574.72
Potomac area.....	781.03
Savannah area (north).....	578.20
Savannah area (south).....	357.65
Unaka area.....	155.46
Cherokee area.....	91.67
<b>Total new forests.....</b>	<b>26,000.63</b>

**DISTRICT HEADQUARTERS.****DISTRICT No. 1 (MISSOULA, MONT.).**

[General supervision of 26 national forests, aggregating 26,895,230 acres.]

District forester:	
Administration.....	\$4,909.12
Law.....	6,842.45
Accounts—	
Administration.....	3,299.92
Appointments.....	800.40
Audit and record.....	3,600.00
Bookkeeping.....	4,512.80
Receipts.....	375.00
Engineering.....	3,182.62
<b>Total.....</b>	<b>27,522.31</b>

Operation:	
Administration.....	6,475.11
Geography.....	9,401.63
Maintenance—	
Supervision.....	5,650.39
Stenography-clerical.....	561.00
Mail and files.....	1,260.00
Quarters.....	7,344.39
<b>Total.....</b>	<b>30,692.52</b>

Silviculture:	
Administration.....	3,650.48
Timber sales.....	4,891.40
Reforestation.....	7,356.82
Insect control.....	1,662.43
Investigations.....	6,414.16
Experiment stations—	
Supervision.....	2,412.75
Investigation.....	2,007.37
Quarters.....	3,672.25
<b>Total.....</b>	<b>32,067.66</b>

Lands:	
Administration.....	\$4,140.17
Boundary examination.....	1,311.00
Claims.....	15,882.00
Settlement, June 11.....	4,351.94
Special uses and rights of way.....	828.95
Water power.....	1,495.00
<b>Total.....</b>	<b>28,009.06</b>

Grazing:	
Administration.....	3,410.18
Investigations.....	262.50
<b>Total.....</b>	<b>3,672.68</b>

Grand total..... 121,964.23

**DISTRICT No. 2 (DENVER, COLO.).**

[General supervision of 33 national forests, aggregating 23,847,181 acres.]

District forester:	
Administration.....	\$5,621.63
Law.....	6,190.90
Accounts—	
Administration.....	2,254.34
Appointments.....	174.60
Audit and record.....	5,560.64
Bookkeeping.....	2,063.56
Receipts.....	144.00
Engineering.....	3,284.20
<b>Total.....</b>	<b>25,293.87</b>

Operation:	
Administration.....	6,601.95
Geography.....	3,811.00
Maintenance—	
Supervision.....	2,095.00
Stenography-clerical.....	2,450.33
Mails and files.....	2,384.83
Quarters.....	11,251.14
<b>Total.....</b>	<b>28,594.25</b>

Silviculture:	
Administration.....	3,570.81
Timber sales.....	2,661.48
Free use.....	9.00
Reforestation.....	2,715.78
Timber trespass.....	176.50
Fire trespass.....	102.25
Investigations.....	2,480.81
Reconnaissance.....	276.76
Experiment stations—	
Supervision.....	347.18
Investigation.....	6,482.11
Cooperative, state and private.....	151.47
<b>Total.....</b>	<b>18,974.15</b>

Lands:	
Administration.....	3,284.77
Claims.....	2,992.37
Administrative sites.....	809.21
Settlement, June 11.....	13,119.71
Special uses and rights of way.....	1,391.54
Water power.....	1,354.05
Occupancy trespass.....	71.63
Status.....	97.06
<b>Total.....</b>	<b>23,120.34</b>

Grazing: Administration..... 4,277.80

Products: Laboratory supervision..... 1,976.88  
Compensation for injury..... 211.12

Grand total..... 102,448.41

DISTRICT NO. 3 (ALBUQUERQUE, N. MEX.).			
[General supervision of 23 national forests, aggregating 25,181,030 acres.]			
District forester:		Operation:	
Administration.....	\$4,293.61	Administration.....	\$3,743.98
Law.....	7,505.64	Geography.....	4,876.97
Accounts—		Maintenance—	
Administration.....	2,429.30	Supervision.....	1,606.45
Appointments.....	500.00	Stenography-clerical.....	4,364.82
Audit and record.....	4,312.54	Mail and files.....	1,100.00
Bookkeeping.....	3,693.75	Quarters.....	10,189.32
Receipts.....	500.00		25,881.54
Engineering.....	386.94		
	23,621.78		
		Silviculture:	
Operation:		Administration.....	4,022.15
Administration.....	11,140.64	Timber sales.....	5,221.46
Geography.....	5,388.07	Reforestation.....	3,423.98
Maintenance—		Investigation.....	2,008.00
Supervision.....	1,433.34		14,675.59
Stenography-clerical.....	1,250.00		
Mail and files.....	1,629.50	Lands:	
Quarters.....	8,617.33	Administration.....	5,150.41
	29,458.88	Boundary examination.....	4,085.05
		Claims.....	2,127.40
Silviculture:		Settlement, June 11.....	4,955.55
Administration.....	2,847.52	Water power.....	658.13
Timber sales.....	7,027.00	Status.....	546.35
Free use.....	200.00		17,522.89
Reforestation.....	250.00		
Timber trespass.....	335.70	Grazing:	
Investigations.....	1,061.70	Administration.....	4,219.11
Reconnaissance.....	2,565.29	Reconnaissance.....	126.35
Experiment stations—		Experiment stations, supervision.....	6,210.92
Supervision.....	1,883.48		10,556.38
Investigation.....	4,414.79	Idaho land exchange.....	15,962.28
Quarters.....	1,782.71		
Cooperative, State and private.....	100.00	Total.....	108,139.03
	22,468.19		
		DISTRICT NO. 5 (SAN FRANCISCO, CAL.).	
Lands:		[General supervision of 20 national forests, aggregating 27,729,905 acres.]	
Administration.....	4,037.55	District forester:	
Boundary examination.....	676.90	Administration.....	\$8,191.34
Claims.....	2,619.96	Law.....	3,771.83
Administrative sites.....	375.00	Accounts—	
Settlement, June 11.....	8,961.81	Administration.....	3,504.60
Special uses and rights of way.....	550.00	Appointments.....	1,200.00
Water power.....	615.55	Audit and record.....	4,726.76
Occupancy trespass.....	30.00	Bookkeeping.....	2,700.00
Status.....	1,062.50	Receipts.....	435.42
	18,929.27	Engineering.....	8,841.74
			33,371.69
Grazing:			
Administration.....	4,940.36	Operation:	
Reconnaissance.....	138.90	Administration.....	9,505.32
	5,079.26	Geography.....	4,822.33
		Maintenance—	
Total.....	99,557.38	Supervision.....	3,175.17
		Stenography-clerical.....	1,930.83
		Mail and files.....	2,497.89
		Quarters.....	12,759.25
			34,690.79
DISTRICT NO. 4 (OGDEN, UTAH).			
[General supervision of 33 national forests, aggregating 29,284,520 acres.]			
District forester:		Silviculture:	
Administration.....	\$5,123.42	Administration.....	8,382.43
Law.....	3,826.26	Timber sales.....	10,751.33
Accounts—		Insect control.....	2,047.74
Administration.....	3,074.65	Investigations.....	2,595.70
Appointments.....	500.00	Reconnaissance.....	375.80
Audit and record.....	3,800.00	Experiment stations—	
Bookkeeping.....	3,481.26	Supervision.....	1,357.17
Receipts.....	300.00	Investigation.....	5,005.26
Engineering.....	3,434.76	Quarters.....	2.60
	23,540.35	Cooperative, State and private.....	1,060.76
			31,578.79

<b>Lands:</b>	
Administration.....	\$5,106.97
Claims.....	3,113.67
Settlement, June 11.....	12,186.56
Water power.....	9,766.04
Status.....	2,704.40
	<hr/>
	32,877.64
	<hr/>
Grazing, administration.....	4,575.55
	<hr/>
<b>Products:</b>	
Administration.....	10,466.55
Cooperative investigations.....	1,536.47
	<hr/>
	12,003.02
	<hr/>
Total.....	149,097.48

## DISTRICT NO. 6 (PORTLAND, OREG.).

[General supervision of 28 national forests, aggregating 54,544,110 acres.]

<b>District forester:</b>	
Administration.....	\$3,812.85
Law.....	7,475.65
Accounts—	
Administration.....	2,326.54
Appointments.....	797.86
Audit and record.....	4,988.27
Bookkeeping.....	2,970.28
Receipts.....	243.33
Engineering.....	1,985.72
	<hr/>
	24,600.50

<b>Operation:</b>	
Administration.....	5,665.01
Geography.....	2,739.10
Maintenance—	
Supervision.....	1,200.00
Stenography-clerical.....	4,293.57
Mail and files.....	724.00
Quarters.....	23,366.87
	<hr/>
	37,988.55

<b>Silviculture:</b>	
Administration.....	7,070.45
Timber sales.....	8,800.28
Reforestation.....	4,105.01
Insect control.....	98.65
Investigations.....	6,669.61
Reconnaissance.....	237.95
	<hr/>
	26,981.95

<b>Lands:</b>	
Administration.....	8,327.80
Claims.....	4,171.84
Settlement, June 11.....	13,298.01
Water power.....	2,124.84
	<hr/>
	27,922.49

<b>Grazing:</b>	
Administration.....	3,882.66
Reconnaissance.....	189.65
Investigations.....	3.50
	<hr/>
	4,075.81

<b>Products:</b>	
Administration.....	1,573.96
Statistical studies.....	4,850.73
Laboratory—	
Supervision.....	4,702.80
Quarters.....	41.00
Wood distillation.....	3,184.34
Timber testing.....	2,760.49
	<hr/>
	17,113.32
	<hr/>
Total.....	138,682.62

**FOREST PRODUCTS LABORATORY, MADISON, WIS.**

[General supervision of work of wood chemistry, timber physics, timber tests, wood preservation and utilization, wood distillation, wood-pulp experiments and investigations.]

Administration.....	\$8,495.86
Operation:	
Supervision.....	1,700.00
Drafting.....	2,400.00
Photography.....	1,350.00
Computing.....	5,834.10
Design.....	1,987.39
Sawmill.....	1,287.00
	<hr/>
	23,054.35

<b>Maintenance:</b>	
Accounts and purchase.....	13,543.10
Stenography-clerical.....	7,032.18
Library and files.....	1,903.17
Carpenter shop.....	3,808.77
Machine shop.....	1,608.83
Yard.....	594.33
Quarters.....	3,260.37
	<hr/>
	31,750.75

<b>Investigations:</b>	
Wood preservation.....	9,869.38
Chemistry and distillation.....	11,941.57
Paper and pulp.....	9,175.39
Timber physics.....	11,024.31
Timber tests.....	11,967.72
	<hr/>
	53,978.37

<b>Ground wood laboratory, Wausau, Wis.:</b>	
Supervision.....	11,036.81
Quarters.....	3,633.83
	<hr/>
	14,670.64

Wood utilization: Publication.....	4,382.38
Freight and express.....	1,435.30

Total for laboratories..... 129,271.79

**SUPPLY DEPOT, OGDEN.**

[This is the central field depot for the care and distribution of supplies required in the Forest Service outside of Washington.]

Supervision.....	\$3,008.90
Shipping.....	20,348.77
Printing office:	
Printing.....	994.48
Rubber stamps.....	893.00
Quarters.....	4,169.29
Supplies and equipment.....	45,151.94
	<hr/>
	74,566.38

**PROPERTY AUDITOR, OGDEN.**

[Property audit and record of personal responsibility for property.]

Supervision.....	\$8,072.24
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**THE WASHINGTON OFFICE.**

<b>Forester:</b>	
General administration.....	\$21,923.81
Law.....	3,554.65
Accounts—	
Administration.....	4,177.92
Appointments.....	2,220.00
Audit and record.....	6,533.34
General bookkeeping.....	6,995.00
Bookkeeping.....	2,135.00
Dendrology—Administration.....	6,410.14

## Forester—Continued.

Editor—	
Administration.....	\$4,063.05
Information.....	1,829.38
Review.....	7,503.98
Distribution.....	8,545.84
Exhibits.....	2,200.00
Lantern-slide collection.....	2,293.50
Educational work.....	2,838.15
Reimbursement of temporary employees fighting fires.....	260.50
Injuries and losses fighting fires on national forests.....	5,819.83
Total for Forester.....	89,304.09

## Operation:

Administration.....	16,551.00
Geography—	
Supervision.....	5,510.30
Atlas.....	13,615.33
Drafting.....	26,972.57
Photography.....	10,648.50
Maintenance—	
Supervision.....	1,846.30
Stenography-clerical.....	22,898.62
Mail and files.....	3,417.83
Supplies, property room.....	31,280.00
Carpenter shop.....	1,229.03
Electrician.....	1,020.00
Quarters.....	23,229.67
Freight and express—general.....	920.87
Telegraph—general.....	5,080.25
Advertising—general.....	500.00
Telephones—office.....	917.86
Total for operation.....	165,638.13

## Lands:

Administration.....	7,401.34
Settlement, June 11.....	4,766.38
Special uses and rights of way.....	4,311.31
Water power.....	940.07
Status.....	5,300.00
Lands classification.....	97.95
Total for lands.....	22,817.05

## Silviculture:

Administration.....	24,722.08
State cooperation.....	7,126.06
Forest management in the East.....	5,058.81
Silvics, investigations.....	23,618.89
Silvics, computation.....	10,044.36
Silvics, library.....	5,515.83
Silvics, compilation.....	960.00

## Silviculture—Continued.

Cooperative—	
Federal.....	\$222.82
State and private.....	1,107.06
Wood structure.....	4,786.17
Forest-distribution studies.....	3,648.07
Refunds to cooperators.....	110.06
Total for silviculture.....	86,920.21

## Grazing:

Administration.....	8,531.29
Studies.....	18,715.55
Total for grazing.....	27,246.84

## Products:

Administration.....	2,341.55
Statistical studies.....	17,299.07
Total for products.....	19,640.62

Salaries and expenses for administration of areas of land purchased under the Weeks law paid from Forest Service funds..... 13,288.36

Total for Washington office..... 424,855.30

## Summary of Forest Service appropriations, 1913.

	Total amount appropriated.	Total amount disbursed.	Out-standing liabilities.	Balance.
Regular appropriations:				
Salaries, Department of Agriculture.....	\$31,200.00	\$31,200.00		
Salaries, Forest Service.....	2,244,743.00	2,201,636.50	\$498.34	\$42,608.16
General expenses, Forest Service.....	3,107,285.00	2,936,180.43	47,128.77	123,975.80
Fighting and preventing forest fires in emergency.....	200,000.00	47,518.70	1,845.61	150,635.69
Special appropriations:				
Roads and trails for States.....	72,473.56	72,473.56		
Exchange of lands—Montana.....	1,311.00	1,311.00		
Cooperative work, forest investigations.....	2,277.88	2,277.88		
National Bison Range.....	174.69	174.69		
Payments for injuries, etc., fighting fire.....	5,819.83	5,819.83		
Reimbursement for time lost fighting fire.....	260.50	260.50		
Total.....	5,665,545.46	5,298,853.09	49,472.72	317,219.65



BUREAU OF CHEMISTRY.

Statement of expenditures for the fiscal year ended June 30, 1913.

Projects.	Salaries.				Travel, station, and field expenses.	Equipment.	Apparatus, instruments, and laboratory materials.
	Statutory.	Lump fund.		Total.			
		In Wash- ington.	Out of Wash- ington.				
1 General bureau administration.....	\$72,299.24	\$7,683.83	-----	\$79,983.07	\$538.03	\$1,102.80	\$205.00
2 Animal physiological laboratory.....	1,440.00	6,258.00	-----	7,698.00	599.72	41.41	887.01
3 Bacteriological laboratory.....	2,940.00	8,624.16	-----	11,564.16	2,324.25	58.44	1,269.60
4 Canning investigations.....	-----	-----	\$4,890.78	4,890.78	1,880.69	41.41	887.12
5 Board of food and drug inspection.....	1,408.33	4,904.33	-----	6,312.66	3,715.66	4.36	72.35
6 Contracts laboratory.....	1,620.00	18,926.50	-----	20,546.50	254.41	55.98	1,228.73
7 Collaboration with State officials.....	-----	-----	1,647.06	1,647.06	12.15	2.38	39.49
8 Dairy laboratory.....	1,901.34	8,941.00	-----	10,842.34	242.65	19.48	423.22
9 Sugar laboratory.....	1,338.63	9,454.00	-----	10,792.63	1,746.85	29.22	584.83
10 Division of drugs.....	7,119.17	36,712.91	-----	43,832.08	1,750.31	121.56	2,716.71
11 Entomological laboratory.....	900.00	-----	5,929.16	6,829.16	1,392.67	48.81	1,109.89
12 Food and drug inspectors.....	78,873.29	75.00	-----	78,948.29	28,324.73	552.92	172.54
13 Food inspection division.....	14,927.58	55,619.50	-----	70,547.08	6,155.61	320.24	7,312.57
14 Food research laboratory.....	3,390.00	-----	19,076.76	22,466.76	6,657.91	151.75	3,416.54
15 Leather and paper laboratory.....	2,273.50	15,185.50	-----	17,459.00	1,050.35	141.40	3,245.76
16 Microchemical laboratory.....	1,184.00	8,872.50	-----	10,056.50	1,780.65	13.55	324.82
17 Miscellaneous division.....	4,998.50	27,840.67	-----	32,839.17	628.51	93.96	2,058.85
18 Nitrogen laboratory.....	1,000.00	4,500.00	-----	5,500.00	-----	18.34	404.19
19 Plant chemistry laboratory.....	2,748.33	13,055.49	-----	15,803.82	1,095.52	28.49	672.61
20 Physical chemistry laboratory.....	36.75	5,783.25	-----	5,820.00	294.05	30.25	602.85
21 Boston laboratory.....	2,015.64	-----	7,454.00	9,469.64	452.58	46.59	872.91
22 Buffalo laboratory.....	1,526.00	-----	3,869.00	5,395.00	534.09	35.07	681.86
23 Chicago laboratory.....	3,894.45	-----	14,416.66	18,311.11	870.23	84.91	1,708.57
24 Cincinnati laboratory.....	2,088.67	-----	5,386.00	7,474.67	271.45	38.14	832.83
25 Detroit laboratory.....	578.33	-----	4,168.83	4,747.16	249.15	16.95	281.16
26 Denver laboratory.....	2,200.00	-----	5,193.84	7,393.84	690.49	39.41	753.87
27 Galveston laboratory.....	180.00	-----	856.67	1,036.67	-----	5.64	93.69
28 Honolulu laboratory.....	-----	-----	3,432.34	3,432.34	551.00	27.63	558.41
29 Kansas City laboratory.....	1,892.00	-----	3,708.00	5,600.00	687.55	20.04	432.54
30 New York laboratory.....	13,334.16	-----	41,086.27	54,420.43	1,583.91	234.20	4,185.26
31 New Orleans laboratory.....	1,380.50	-----	4,154.19	5,534.69	423.75	19.16	417.84
32 Nashville laboratory.....	1,740.00	-----	4,790.50	6,530.50	302.30	13.86	229.92
33 Omaha laboratory.....	1,728.67	-----	4,064.17	5,792.84	513.81	19.74	427.51
34 Philadelphia laboratory.....	1,635.00	-----	6,039.30	7,674.30	198.97	30.01	697.92
35 Pittsburgh laboratory.....	1,563.33	-----	3,660.00	5,223.33	454.25	10.38	172.24
36 Portland laboratory.....	1,611.50	-----	3,557.33	5,168.83	1,086.60	13.06	216.75
37 St. Paul laboratory.....	1,615.00	-----	2,940.00	4,555.00	355.78	20.44	439.09
38 St. Louis laboratory.....	1,769.33	-----	3,727.33	5,496.66	422.00	17.51	390.58
39 San Juan laboratory.....	-----	-----	2,494.83	2,494.83	685.72	18.32	403.95
40 San Francisco laboratory.....	2,020.00	-----	9,340.17	11,360.17	711.20	58.01	1,362.34
41 Savannah laboratory.....	500.00	-----	4,119.00	4,619.00	858.92	50.39	1,269.33
42 Seattle laboratory.....	1,795.84	-----	4,267.91	6,063.75	480.23	20.88	446.50
43 Referee board of consulting scientific experts.....	-----	-----	14,499.68	14,499.68	578.19	-----	-----
Total.....	245,467.08	232,436.64	188,769.78	666,673.50	73,406.89	3,717.09	44,509.75

PROJECT STATEMENTS.

Total expenditure as above.....	\$871,219.19
Outstanding liabilities Aug. 31 (estimated)...	38,793.18
Unexpended balance (estimated).....	59,377.56

-----	969,389.93
Less repayments to the credit of appropria- tion.....	449.93

Total of appropriations..... 968,940.00

Distributed among the several subactivities approxi- mately as follows:

General bureau administration: Includes the general administrative work of the bureau, the office of chief clerk, the financial ac- counting work, and the purchasing of sup- plies and accounting therefor; handling of mail and files; records of interstate cases, import records, expenses of the library, ex- penses of the editorial clerk's office, and miscellaneous labor..... \$92,566.05

Animal physiological laboratory: Chemical, microscopical, and bacteriological analysis of infant foods sold on the American mar- ket; study of the effect of shellac on diges-

tion and metabolism; factory and field work to study and analyze the various grades of liquid and dried eggs; routine ex- amination of interstate and imported sam- ples of eggs, sardines, canned salmon, meat and plant extracts, bouillon cubes, fish, meat, and miscellaneous samples; study of the handling, preparation, and packing of sardines in Maine, and other miscellaneous investigations.....

Bacteriological laboratory: The bacteriolog- ical examination of samples of foods and drugs for detection of adulteration, con- tamination, or pollution; development of bacteriological methods for the examina- tion of foods and drugs; study of questions relating to the decomposition of canned and decayed fruits and fish, tomato products, egg products, grains, pastes, gelatin, water, fruit juices, and other food products; bac- teriological examination of shell eggs of known grades preserved in sodium silicate and in lime; bacteriological examination of milk, cream, and ice cream, to assist local authorities to obtain an improved milk, cream, and ice-cream supply.....

\$10,311.63

16,808.76

BUREAU OF CHEMISTRY.

Statement of expenditures for the fiscal year ended June 30, 1913

Stationery.	Furniture.	Rent.	Telegraph, telephone, and postage.	Freight, express, and drayage.	Furnishing of heat, light, power, and electricity.	Forage and other supplies for animals when purchased in bulk.	Fuel.	Miscellaneous.		Total.
								Supplies, services, etc.	Specified items not otherwise classified.	
\$1,668.63	\$1,350.00		\$111.80	\$32.12				\$3,699.97		\$88,691.42
41.41	82.83		18.65	61.28	\$30.82			241.74		9,702.87
58.44	116.89		34.34	119.42	43.50			323.44		15,912.48
41.41	82.82	\$1,020.00	21.00	73.68	30.82			241.79		9,211.52
4.36	8.72		15.98	35.00	3.24			8,339.31		18,511.64
55.98	111.97		39.40	100.75	41.66			297.16		22,732.54
2.38				20.75				31.92		1,756.13
19.48	38.97		22.00	55.25	14.50			107.83		11,785.72
29.22	58.45		26.84	73.78	21.75			211.74		13,575.31
121.56	243.13		94.13	221.35	90.47			596.72		49,788.02
48.81	97.62	1,400.00	57.65	176.41	36.32			220.72		11,418.06
552.92	1,005.84	90.00	1,328.33	1,229.12				15,409.33		127,614.02
320.24	640.48	1,320.00	167.09	941.03	238.32			1,415.93		89,378.59
151.75	303.50	3,060.00	129.76	479.60	113.94			718.74		37,650.25
141.40	282.80		37.20	230.15	105.22			608.29		23,301.57
13.55	27.10		23.00	55.35	10.09			44.55		12,349.16
93.96	187.93		65.00	175.17	69.93			502.31		36,714.79
18.34	36.68		10.60	30.00	13.65			95.60		6,127.40
28.49	56.98		37.45	90.00	21.20			103.88		17,938.44
30.25	60.50		16.15	25.00	22.51			221.68		7,123.24
46.59	93.18	200.00	127.89	75.33	34.67			396.97		11,816.35
35.07	70.15		103.69	54.21	26.10			274.13		7,209.37
84.91	169.82	4,110.00	185.62	159.79	63.18			605.70		26,353.84
38.14	76.29		74.16	61.80	28.39			206.90		9,102.77
16.95	33.90	850.00	73.30	37.11	12.61			180.79		6,499.08
39.41	78.83	1,245.00	56.19	107.97	29.33			320.43		10,754.77
5.64	11.29		19.03	17.95	4.20			60.23		1,254.34
27.63	55.26	262.10	52.57	55.32	20.56			194.74		5,237.56
20.04	40.09		51.60	61.21	14.92			113.81		7,041.80
634.20	468.41		145.28	339.79	174.29			1,798.18		63,983.95
19.16	38.32		60.18	49.57	14.26			104.37		6,681.30
13.86	27.72		62.56	47.49	10.31			147.84		7,386.36
19.74	39.48		92.26	99.40	14.69			110.58		7,130.05
30.01	60.03		165.83	74.07	22.34			120.16		9,073.64
10.38	20.77	1,830.00	55.05	53.10	7.73			110.75		7,947.98
13.06	26.13	1,260.00	79.25	59.92	9.72			139.36		8,072.68
20.44	40.88	1.00	59.45	58.36	15.21			118.03		5,683.68
17.51	35.03	1,296.00	76.23	83.01	13.03			86.83		7,934.39
18.32	36.64		10.53	23.33	13.63			95.43		3,800.70
58.01	116.02		95.63	137.84	43.19			218.78		14,161.19
50.39	100.78		51.27	97.30	37.47			104.17		7,239.02
20.88	41.76	1,800.00	68.65	62.49	15.54			122.77		9,143.45
3.10				85.47			\$38.11	1,223.20		16,427.75
4,686.02	6,473.99	19,744.10	4,022.59	6,127.04	1,533.31		38.11	40,286.80		871,219.19

Canning investigations: This work consists of the study of the best methods of preparing and canning food products, for the purpose of assisting the manufacturer in developing the best methods based on scientific principles, and to insure a higher-grade product for the consumer..... \$9,519.65

Board of food and drug inspection: The board of food and drug inspection has supervision of the correspondence, preparation of decisions, and preparation of cases for prosecution under the food and drugs act. It holds the hearings provided for in that act and employs the expert witnesses necessary in the prosecution of cases. The traveling expenses of witnesses in these cases are paid under this project..... 18,786.78

Contracts laboratory: The testing of contract supplies for this and other departments of the Government for the purpose of preparing specifications and controlling the quality of the supplies furnished the various branches of the Government service; study and development of methods for testing different materials; study of the essential properties of materials in common use in

the Government service, such as inks, paints, soaps, rubber goods, lubricating oils, etc..... \$24,241.35

Collaboration with State officials: In the collaborative work between the State and Federal Governments there are certain cases which are developed by the State officials in connection with their State work that must be brought under the Federal act because the shipper resides in another State. The food and drugs act provides that the analysis of samples made in the enforcement of the food and drugs act must be made under the supervision of the Bureau of Chemistry. Certain State chemists are therefore commissioned by the department to analyze samples in accordance with the provisions of this law, the cost of this work being paid by the department..... 1,756.13

Dairy laboratory: Analytical work in connection with the chemical examination of dairy products to determine their conformity or nonconformity with the food and drugs act; study and development of methods for detecting forms of adulteration in dairy products..... 12,234.12

Sugar laboratory: Analytical work under the food and drugs act as to sugar products; special investigations under the "net weight" amendment as applied to sirups, molasses, honeys, sugars, etc.; study of adulteration of maple sugar; investigations of pure and adulterated honey; study of the composition of American beet molasses; investigations of cane-sugar, sirup, and molasses manufacture; investigation of the manufacture of sorghum sirup; study of the influence of environment on sugar content of cantaloupes.....	\$14, 147. 03	Food-research laboratory: Instruction of shippers, carriers, and dealers, by personal contact, demonstrations, publications, and otherwise, in the handling of poultry and eggs, and in general principles involved in the marketing of such products, as affected by grading, packing, etc.; preparation of frozen and dried eggs at the market center to determine what eggs reaching market can be used for frozen food products and the methods of handling the same to insure a good product; study of the breakage of eggs in transit to determine methods for preventing same; poultry demonstration and research work for the purpose of obtaining and disseminating information looking to the lessening of waste from decay and the preservation of quality.....	\$39, 603. 86
Division of drugs: Consists of analysis of imported and interstate shipments of drug products to insure compliance with the food and drugs act; investigation of methods of analysis of drugs to reduce the limit of error in analysis and to determine variations permissible in the manufacture of drugs; analysis of essential oils under the food and drugs act and study of methods of analysis to secure data to determine standards; investigations for the betterment of methods of analysis and the elaboration of synthetics in medicinal and other preparations.....	51, 734. 03	Leather and paper laboratory: Investigations of leather-tanning materials and processes and methods for the examination of leather and tanning and finishing materials; cause and prevention of the rapid deterioration of leathers; use of tannery and leather wastes; methods of improvements in chemical processes for the utilization of woods and their products; composition and use of fertilizers; methods for the determination of iron and alumina in commercial phosphates; examination of envelopes, paper, and leather bought on Government contracts, especially for the Post Office Department; study of methods for determining the durability of paper; demonstration of the durability of paper, especially prepared for valuable publications; preparation of specifications for the Government for paper, leather, turpentine, rosin, rosin oils, and fine oils, for use by this and other departments of the Government.....	24, 888. 83
Enological investigations: Study of the chemical composition of all the varieties of grapes in the United States; a complete technical study of the composition of the fruit of a few varieties of grapes; preparation of samples of wines (both pure and sophisticated) of known history manufactured from native and foreign varieties of grapes commonly used for wine making in the United States; study of the composition of commercial wines made in the United States and of the character and composition of certain types of foreign wines; preparation of samples of pure ciders; fermentation of cider and apple pomace to vinegar; study of yeast culture.....	12, 076. 06	Microchemical laboratory: Microchemical examination of samples of foods and drugs for the detection of adulteration in connection with the enforcement of the food and drugs act; development of microscopical methods and standards for food and drug products. Investigations include canned beans, nuts, pepper, red pepper, crude drugs, mustard, mincemeat, Italian tomato products, etc., also micro-analysis of samples submitted by other divisions of the Bureau of Chemistry.....	12, 705. 30
Food and drug inspectors: General inspection work in collecting samples of foods and drugs; collecting evidence in connection with the enforcement of the food and drugs act, including inspection and supervision of interstate traffic in and importation and exportation of foods and drugs, beverages, condiments, etc.....	130, 239. 52	Miscellaneous division: Supervision of the analytical work in connection with the enforcement of the food and drugs act in its application to waters and mineral-water salts and stock feeds and grains; study of the mineral springs of the United States to detect the substitution of artificial for natural waters, and the addition of salts to water by comparing water at source with water on market; devising new methods of water analysis and improving old methods; study of the sanitary bottling and handling of mineral waters to determine the best and most cleanly methods of handling water between source and consumer; study of the sanitary character of waters over shellfish beds; study of the composition and food value of forage crops; determination of standards for bran, malt sprouts, feed barley, etc.; study of the utilization of waste by-products as cattle feeds.....	38, 530. 93
Food-inspection division: This division has charge of the chemical examination of food samples, the check analysis of samples, the preparation of cases for prosecution, and general supervision of food-inspection work. It conducts special investigations of the manufacture and composition of foods to determine what constitutes adulteration and what the composition of the best grades of the various products should be. Work is now under way involving investigations of distilled and fermented beverages; coal tar and other coloring materials; the manufacture of gelatin; cider vinegar and other vinegars; arsenic and other heavy metals in food products; flavoring extracts and essential oils, to obtain data for the enforcement of the law in relation to these products, develop improved methods of analysis, and study different methods of manufacture; investigations of canned goods and the study of methods for the determination of tin in canned goods; studies of fruits and fruit products; and of methods of analysis of foods for the purpose of developing standard methods and improving methods now in use.....	94, 176. 56	Nitrogen laboratory: Examination of samples of all kinds of agricultural, food, and drug products to determine the nitrogen content, including interstate and import samples of foods and drugs, etc.....	6, 474. 75

Plant-chemistry laboratory: Chemical analyses to determine composition of various plants and plant products under varying conditions of production; study of the influence on growth and composition of early applications of plant food; study of the value of leaves of different plant species for manurial purposes; determination of the influence of environment on the composition of crops. A comparison has been made of the semolina used in the manufacture of imported and domestic macaroni and the kind of wheat used in the production of semolina, in order to obtain data which may be used in encouraging the manufacture of a larger amount of macaroni from the best grades of semolina. This laboratory also conducts a study of flour and baking products to determine their composition and to learn what factors in production, handling, milling, shipping, storing, and baking affect the quality of the flour and baked products made therefrom; studies of starch and starch products to obtain data regarding the composition of the different starches and their adaptability for technical and food purposes..... \$18,984.37

Physical-chemistry laboratory: Work in connection with the study and improvement of manufacturing processes in the carbohydrate industries; study of the manufacture of candy, fruit sirups, jams, preserves, and jellies; improvement of methods of analysis for carbohydrates; study of the more complex sugars; study of methods for determining sucrose content of sugar cane, bagasse, sugar beets, and pulps; study of methods of determination of starch in foods; determination of moisture in food products; study of clarifying agents for sugar solutions; investigation of the physical and chemical constants of carbohydrates..... 7,611.38

Branch food and drug inspection laboratories: Consist of the examination of samples from import and interstate shipments of food and drug products, the holding of hearings with-

in the territory of each laboratory in cases involving violations of law, and miscellaneous problems arising in connection with food and drug inspection in such territory. The laboratories take up from time to time special investigational work assigned to them by the chief of bureau. The Chicago laboratory is now engaged in an extensive study of the spoilage of corn meal. The total cost of the work at each of the branch laboratories for the fiscal year 1913 is given below:

Boston laboratory.....	\$12,409.49
Buffalo laboratory.....	7,603.44
Chicago laboratory.....	27,484.60
Cincinnati laboratory.....	9,635.91
Detroit laboratory.....	6,746.14
Denver laboratory.....	11,307.91
Galveston laboratory.....	1,267.34
Honolulu laboratory.....	5,498.66
Kansas City laboratory.....	7,360.87
New York laboratory.....	66,796.70
New Orleans laboratory.....	7,148.37
Nashville laboratory.....	7,648.43
Omaha laboratory.....	7,446.12
Philadelphia laboratory.....	9,548.77
Pittsburgh laboratory.....	8,272.11
Portland laboratory.....	8,418.81
St. Paul laboratory.....	5,998.74
St. Louis laboratory.....	8,312.52
San Juan laboratory.....	3,936.80
San Francisco laboratory.....	15,046.47
Savannah laboratory.....	7,651.15
Seattle laboratory.....	9,531.58

Referee Board of Consulting Scientific Experts: This board conducts scientific investigations and renders decisions as to the harmfulness of substances used in the manufacture or preservation of foods and drugs, acting upon such questions as may be referred to it from time to time by the Secretary of Agriculture and reporting its findings for his guidance in enforcing the food and drugs act..... 17,094.42

## BUREAU OF SOILS.

Statement of expenditures for the fiscal year ended June 30, 1913.

Project.	Salaries.				Travel, station, and field expenses.	Equipment.	Apparatus, instruments, and laboratory materials.
	Statutory.	Lump fund.		Total.			
		In Wash- ington.	Out of Wash- ington.				
1 Chemical investigations.....	\$863.63	\$13,158.32		\$14,021.95	\$69.05		\$2,915.24
2 Physical investigations.....	863.69	6,634.33		7,498.02		\$2,441.25	1,327.14
3 Soil-fertility investigations.....		20,355.50		20,355.50	252.83	117.74	1,120.82
4 Investigations of fertilizer resources.....	863.79	10,709.67	\$4,613.72	16,187.18	8,092.88	615.79	1,566.97
5 Soil-water investigations.....	151.66	3,218.22		3,369.88	240.09	50.00	711.14
6 Soil-survey investigations.....	19,619.10	12,949.48	83,985.46	116,554.04	60,174.55		1,712.08
7 Administration and overhead expenses.....	27,610.90	688.99		28,299.89	4.75		
Total.....	49,972.77	67,714.51	88,599.18	206,286.46	68,834.15	3,224.78	9,353.39

## PROJECT STATEMENTS.

## CHEMICAL INVESTIGATIONS.

Total expenditure as above.....	\$17,352.04
Outstanding liabilities, Aug. 31 (estimated).....	104.46
Unexpended balance (estimated).....	42.13
Total allotment.....	17,498.63

Distributed among the several subactivities approximately as follows:

Office and administration: General supervision and administration of chemical investigations.....	\$2,646.96
Relation of soil composition and soil minerals to productivity: It has been found that practically every known chemical element is present in all soils and that soils are more heterogeneous with respect to minerals than are the primary rocks. While all the common rock-forming minerals are present in most soils, they are present in different proportions and have different relationships to soil productivity.....	3,900.00
Relation of the soil solution to productivity: The composition, concentration, and chemical characteristics of this natural nutrient have relation to other soil factors and methods for their control, with the view of better soil management and increased productivity.....	3,957.87
Relation of solubility and chemical properties to soil formation, to soil texture, and soil productivity: Investigations of the solubility and chemical characteristics of the soil mass and of the various components of soils, the correlation of these properties with the genesis of particular soil types, the crop adaptation, productivity, and the cultural requirements of the soil type.....	1,991.67
Routine chemical examinations: Includes analysis and identification of soils, fertilizers, etc., submitted by the field force of the bureau and other bureaus or authorized agents.....	4,960.00
Total.....	17,456.50

## PHYSICAL INVESTIGATIONS.

Total expenditure as above.....	\$11,838.39
Outstanding liabilities, Aug. 31 (estimated).....	219.60
Unexpended balance (estimated).....	70.70
Total allotment.....	12,128.69

Distributed among the several subactivities approximately as follows:

Office and administration: General supervision and administration of physical investigations.....	\$2,647.02
Relation of soil moisture to productivity: Determination of the general characteristics and direction of the effects on crop production of changing moisture content in the soil and methods of controlling changes in moisture content in various soil types, with a view to bettering soil management and improving cultural methods.....	974.07
Relation of soil aeration to productivity: Determination of the general characteristics and directions of the effects on crop production of the changes in amount and composition of the soil atmosphere and the causes of changing atmosphere and their control in various soil types, with a view to bettering soil management and improving cultural methods.....	944.89
Relation of soil texture to productivity: Determination of the causal relations between the textural characteristics of soils and particular soil types and their other physical characteristics as they affect crop adaptations and growth, particularly the relations of textural characteristics to water-holding capacity, soil-solution movement, crumming and decrumming, adsorptive capacities, heat conductance and permeability.....	2,916.35
Routine physical work: This includes mechanical analyses, principally for the use of the soil survey; standardization of field and laboratory apparatus; unusual repair work or construction work which can not be performed by regular dealers or instrument makers; designing, computing, etc., for mechanical and physical operations in the field and laboratory.....	4,575.66
Total.....	12,057.99

## SOIL-FERTILITY INVESTIGATIONS.

Total expenditure as above.....	\$22,261.56
Outstanding liabilities, Aug. 31 (estimated).....	6.07
Unexpended balance (estimated).....	32.37
Total allotment.....	22,300.00

Distributed among the several subactivities approximately as follows:

BUREAU OF SOILS.

Statement of expenditures for the fiscal year ended June 30, 1913.

Stationery.	Furniture.	Rent.	Telegraph, telephone, and postage.	Freight, express, and drayage.	Furnishing of heat, light, power, and electricity.	Forage and other supplies for animals when purchased in bulk.	Fuel.	Miscellaneous.		Total.	
								Supplies, services, etc.	Specified items not otherwise classified.		
\$123.01	\$203.19							\$19.60		\$17,352.04	1
	570.86							1.12		11,838.39	2
6.31	6.50							401.86		22,261.56	3
238.22	130.48							439.30		27,270.82	4
8.30	208.44							23.30		4,611.15	5
2,063.28	775.65							59.22		181,338.82	6
898.67	1,520.62	\$32.90	\$197.93	\$384.43				244.53		31,583.72	7
3,337.79	3,415.74	32.90	197.93	384.43				1,188.93		296,256.50	

Investigations of the maintenance of soil fertility: General studies of the problems confronting the farmer in the management and upbuilding of specific soil types, and the influence of rotation of crops on such soils and the effect of fertilizers. The work involves a study of the composition of the humus of fertile soils in order to determine the characteristics on which such fertility depends, with a view to applying the information obtained to the improvement of soils of lower productivity..... \$4,819.05

Investigation of the causes of unproductive soils: Investigations to determine such organic substances as cause infertility in agricultural lands, such as failure of specific crops, orchards, die-back in citrus groves, etc. This involves the chemical examination of soil organic matter in such soils, isolation of pure substances, their chemical identification and properties..... 4,804.72

Investigation of the origin of organic constituents in soils: Study of the transformations of organic matter in soils which result in the formation of such organic soil constituents as have already been found to occur in soils and isolated therefrom..... 5,602.33

Investigation of means for improving unproductive soils: Study of the fertilizer and lime requirements of soils, as far as this can be determined under controlled conditions in the greenhouse; effect on plant growth of organic substances isolated from unproductive soils and the influence of fertilizers and other treatments on this action..... 3,443.50

Investigation of the effect on soils of fertilizers and soil amendments: Study of the various soil factors, especially the biochemical factors, as they are influenced by fertilizers and soil amendments, such as lime, manganese, etc., involving field tests with different crops; test of laboratory results under field conditions; study of effect of known organic soil constituents on crops in the field and the influence of fertilizers and soil treatment on their action..... 3,598.03

Total..... 22,267.63

INVESTIGATION OF FERTILIZER RESOURCES.

Total expenditure as above..... \$27,270.82

Outstanding liabilities, Aug. 31 (estimated).. 56.54

Unexpended balance (estimated)..... 336.43

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Total allotment..... 27,663.79

Distributed among the several subactivities approximately as follows:

Office and administration: General supervision and administration of the investigations..... \$2,647.12

Sources of potash for fertilizers: The object of this work is to find raw materials which can be economically utilized as sources of potash carriers for fertilizers. It has been shown that Pacific kelps and alunite can be utilized as a source of potash fertilizers, and reports upon the location and extent of the kelp beds are now in preparation. Pacific kelp can yield perennially several times the present national needs. Brines and other materials so far examined have given little promise. The possibility of utilizing feldspar and other potash-bearing silicates as sources of potash fertilizers is being investigated..... 13,397.66

Sources of phosphates for fertilizers: Determination of the location, extent, probable tonnage, and other economic factors of importance to the utilization of phosphates or other phosphatic material. All the principal known deposits of phosphates and many minor ones have been investigated in the field and laboratory, their characteristics studied, and methods of mining reviewed and criticised, with especial reference to reducing waste of raw material. Methods of preparation are now being investigated, especially with reference to preparing a more concentrated phosphate than is now employed..... 4,655.03

Sources of nitrogen for fertilizers: The object is to determine what raw materials may be obtained within the United States which can be utilized as sources of nitrogen, and what methods can be best utilized for their

economic exploitation. The production of fish scrap on the Atlantic coast has been exhaustively investigated. An investigation of the possibility of utilizing cannery wastes and other fish offal on the Pacific coast, especially in connection with a kelp industry, is now in progress, as well as an investigation of the amount and sources of ammonia, of slaughterhouse products, and of cotton-seed products. A preliminary laboratory investigation of nitrogen fixation is also in progress.....	\$6,627.55	measured, there have been surveyed to June 30, 1913, approximately 716,000 square miles:	
Total.....	27,327.36	Alabama: Bullock County, \$1,352.61; Cleburne County, \$1,931.95; Conecuh County, \$1,453.56; Covington County, \$1,422.94; Escambia County, \$2,321.05; Russell County, \$1,451.08.....	\$9,933.19
SOIL-WATER INVESTIGATIONS.			
Total expenditure as above.....	\$4,611.15	Conecuh County and Covington County were begun in the previous fiscal year and finished during 1913. The surveys of Bullock County, Cleburne County, Escambia County, and Russell County were started in 1913 and will be completed during the fiscal year 1914.	
Outstanding liabilities Aug. 31 (estimated)....	229.04	Arkansas: Ashley County, \$1,807.04; Mississippi County, \$837.66; Pope County, \$1,127.47.....	3,772.17
Unexpended balance (estimated).....	11.47	The survey of Ashley County was begun in the previous fiscal year and finished during 1913; Pope County was begun in the fiscal year 1912, and Mississippi County in 1913, but, owing to unfavorable weather conditions, the work has been suspended. It is hoped to complete these areas during 1914.	
Total allotment.....	4,851.66	California: Marysville area, revised work, \$285.74; Merced area, \$2,914.25.....	3,199.99
Distributed among the several subactivities approximately as follows:			
Office and administration: General direction and administration of the investigations....	\$1,470.49	Connecticut: New London County.....	1,153.07
Laboratory investigations: Includes the devising of a practical and rapid soil hydrometer and methods for field use.....	1,688.33	Florida: Bradford County, \$2,927.06; East Coast, \$2,905.65; Pinellas County, \$2,819.67.....	8,652.38
Field investigations: Determination of the relation of water table to run-off, seepage, conservation of rainfall, and erosion, and practical methods for management and control. The depth to the water table has been steadily decreasing, at a decreasing average rate, since the settlement of the country.....	1,681.37	Georgia: Chattooga County, \$680.44; Gordon County, \$61.50; Jeff Davis County, \$2,643.91; Jones County, \$1,818.35; Miller County, \$1,460.61; Stewart County, \$1,916.31; Talbot County, \$1,791.92.....	10,373.04
Total.....	4,840.19	The work in Chattooga County was begun during the previous fiscal year and finished during 1913. The surveys of Gordon County, Jeff Davis County, and Talbot County were started in 1913 and will be finished during the fiscal year 1914.	
SOIL-SURVEY INVESTIGATIONS.			
Total expenditure as above.....	\$181,338.82	Illinois: Will County.....	1,813.92
Outstanding liabilities Aug. 31 (estimated)....	597.03	Will County was begun during 1912 and completed during the fiscal year 1913.	
Unexpended balance (estimated).....	2,435.76	Indiana: Boone County, \$417.60; Delaware County, \$236.37; Hamilton County, \$956; Hendricks County, \$1,048.28; Montgomery County, \$1,272.80; Tipton County, \$328.64.....	4,259.69
Total allotment.....	184,371.61	Of the Indiana projects, Boone County, Montgomery County, and Tipton County were begun in 1912 and completed during 1913; Delaware County and Hendricks County were begun in 1913 and will be finished during the following fiscal year.	
Distributed among the several subactivities approximately as follows:			
General administration of the soil survey: Includes correspondence, compilation of reports, keeping record of projects, cooperative agreements, assignments of the field force, and all other matters relating to the administration of the work.....	\$13,012.56	Iowa: Bremer County.....	643.92
Soil surveys: These activities comprise the surveying, both upon a detailed and a reconnaissance basis, the mapping, and the classifying of the soils of important areas in various parts of the country, including the forest reserves; the preparing of reports containing descriptive matter relating to the different soils, their character, origin, and value for crops, and to the agricultural conditions found in each area surveyed; the preparation of maps showing the distribution of the different soils, the dissemination of information relating to the use of soils, and the preparation of special bulletins and circulars on special crops. The following areas were surveyed in whole or in part during the fiscal year 1913, the actual amount covered being about 80,640 square miles. Estimating for the work done during the last half of the fiscal year 1913, for which accurate figures can not be obtained until the maps are finally drafted and		The work in Bremer County was started during the fiscal year 1912 and will be finished during the fiscal year 1914.	
		Kansas: Cherokee County, \$1,079.32; Greenwood County, \$1,000.90; Jewell County, \$1,155.14; Montgomery County, \$320.91....	3,556.27
		The soil work in Cherokee County, Greenwood County, and Jewell County was undertaken in 1912 and completed during the fiscal year 1913. The work in Montgomery County has just been taken up and will be completed during the fiscal year 1914.	
		Kentucky: Christian County.....	1,688.54
		The work in Christian County was started in the fiscal year 1912 and completed during 1913.	
		Michigan: Genesee County.....	1,200.23
		Genesee County was taken up during the fiscal year 1912 and completed during the fiscal year 1913.	

Minnesota: Goodhue County.....	\$1,798.89	Oregon: Hood River Valley.....	\$1,006.94
The work in Goodhue County started in the fiscal year 1912, but owing to withdrawal of the assistant engaged on this project to take up forest-land classification, the work was suspended in September, 1912. This area will be completed during the fiscal year 1914.		This survey was taken up during the fiscal year 1912 and completed during 1913.	
Mississippi: Jones County, \$1,116.02; Lafayette County, \$1,228.50; Wilkinson County, \$1,088.89.....	3,433.41	Pennsylvania: Lancaster County, \$25.31; Lehigh County, \$1,978.22; York County, \$1,577.87; Southeastern Reconnaissance, \$908.79.....	4,490.19
The survey of Lafayette County was begun in 1912 and completed during the fiscal year 1913. The work in Jones County and Wilkinson County was begun in 1913 and will be completed during the fiscal year 1914.		The detailed surveys in Lehigh County and York County and the southeastern reconnaissance were taken up in 1912 and completed during 1913. The Lancaster County survey was begun during 1913 and will be completed during 1914.	
Missouri: Barton County, \$491.52; Carroll County, \$731.25; Cass County, \$350.90; Greene County, \$175.51; Miller County, \$480.05; Nodaway County, \$323.49; Perry County, \$526.21; Pike County, \$1,192.30; Ralls County, \$1,061.33; Stoddard County, \$957.68.....	6,290.24	South Carolina: Bamberg County, \$1,293.86; Orangeburg County, \$4,901.96; Union County, \$2,246.55.....	8,432.37
The surveys of Carroll County, Cass County, Miller County, Pike County, and Stoddard County were begun during the fiscal year 1912 and finished during the fiscal year 1913. The work in Greene, Nodaway, Perry, and Ralls Counties was taken up during the fiscal year 1913 and will be completed in 1914.		The work in Orangeburg County was begun during 1912 and will be completed during the fiscal year 1914. The Union County project was begun in 1913 and will be completed during 1914.	
Nebraska: Otoe County, \$1,146.99; Saunders County, \$793.89; Scotts Bluff County, \$19.27.....	1,960.15	Tennessee: Jackson County, \$97.34; Putnam County, \$1,356.91; Robertson County, \$931.16.....	2,385.41
The work in Otoe County was begun during 1912 and completed during the fiscal year 1913, and surveys covering Scotts Bluff County and Saunders County were begun during 1913 and will be completed during the fiscal year 1914.		The Jackson County survey was begun in 1913 and will be completed during 1914. The Putnam County and Robertson County work was begun during the fiscal year 1912 and finished during 1913.	
New Jersey: Freehold area.....	1,285.76	Texas: Jefferson County, \$5,203.78; south central reconnaissance, \$4,254.83; Washington County, \$2,528.55.....	11,987.16
The Freehold area was begun during the fiscal year 1912 and will be completed during the fiscal year 1914.		The reconnaissance work was begun in 1912 and completed during 1913.	
New York: Chautauqua County, \$190.04; Oneida County, \$1,120.50; Orange County, \$1,028.91.....	2,339.45	Utah: Cache Valley.....	3,635.65
The work in the Orange County survey was begun during 1912 and completed during the fiscal year 1913. The work in Oneida County was taken up in the fiscal year 1912 and will be completed during the fiscal year 1914. The work in Chautauqua County was begun during 1913 and will be completed during the fiscal year 1914.		The survey of the Cache Valley area was begun in 1912 and suspended on December 18. It will be completed during the fiscal year 1914.	
North Carolina: Ashe County, \$1,311.93; Forsyth County, \$33.60; Pender County, \$176.13; Wake County, \$1,202.35.....	2,724.01	Virginia: Henrico County.....	2,409.74
The work in Ashe County and Pender County was taken up during the fiscal year 1912 and completed during 1913. The surveys covering Forsyth County and Wake County were begun during the fiscal year 1913 and will be completed during 1914.		Washington: Stevens County.....	299.70
North Dakota: Barnes County.....	2,910.52	The Stevens County survey was begun during 1913 and will be completed during 1914.	
Barnes County was taken up during the fiscal year 1912 and completed during 1913.		West Virginia: Kanawha County, \$1,237.91; Preston County, \$229.87.....	1,467.78
Ohio: Reconnaissance.....	6,752.87	The Preston County survey was begun during the fiscal year 1912 and finished during the fiscal year 1913.	
The work in the Ohio reconnaissance survey was taken up during the fiscal year 1912 and completed during 1913.		Wisconsin: Buffalo County, \$166.69; Dane County, \$2,212.08; Fond du Lac County, \$24.45; Jefferson County, \$1,512.51; Kewaunee County, \$117.45; northeastern reconnaissance, \$1,570.76.....	5,603.94
Oklahoma: Bryan County, \$170.36; Muskogee County, \$728.96.....	899.32	The work in Jefferson County was begun in 1912 and completed during 1913. The surveys covering Buffalo County and Dane County were begun in 1912 and will be completed during the fiscal year 1914. The reconnaissance survey was begun in 1913 and will be completed during 1914.	
The work in Muskogee County was taken up during the fiscal year 1912 and that in Bryan County during the fiscal year 1913. Both of these surveys will be completed during the fiscal year 1914.		Classification of agricultural lands in national forests: This project consists of aiding the Forest Service in the classification and segregation of agricultural lands of the national forests in order to determine the value for agricultural purposes and so as to enable the Forest Service to indicate such lands as may be open for settlement, in compliance with an act of Congress.....	6,326.17
		Land classification for other departments: Examination and classification of lands for the Department of Justice and the Post Office Department, to assist them in the investigation and prosecution of suits pending regarding the misuse of the mails.....	451.00
		Correlation and supervision of field work: Correlating the soils of all areas surveyed, so as to insure the proper classification of	

<p>the soils of the United States; inspection of soil-survey field work in order to secure uniformity in methods and results; examination and review of field reports; preparation of memorandum for soil correlation and the keeping of records pertaining thereto.....</p> <p>Map drafting: Preparation of suitable base maps from all available sources for the use of soil-survey parties; securing data regarding official boundaries, railroad alignments, and other miscellaneous data required by the field parties; adjusting, redrawing, and coloring field maps of soil-survey parties for lithographic reproduction; measuring of soil areas and proof-reading the maps.....</p> <p>Photographic reproduction of base maps: For the photographic enlargement or reproduc-</p>	<p>\$12,608.95</p> <p>10,102.92</p>	<p>tion of base maps to a scale suitable for use of soil-survey parties.....</p> <p>Use of soils: General review of the results of the soil-survey work of the bureau, with particular reference to the kind and extent of use of the principal soil types, with the object of establishing more systematic and intensive forms of agriculture in the country.....</p> <p>Special study of fruit soils: General review of the results of soil-survey work, with particular reference to the value of the different soil types for fruit production.....</p> <p>Information: This work includes the answering of correspondence relating to soils and giving advice as to their use, identification of soil samples, and disseminating information to the newspapers.....</p>	<p>\$1,200.00</p> <p>5,253.78</p> <p>2,645.22</p> <p>3,156.11</p>
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**BUREAU OF ENTOMOLOGY.**

*Statement of expenditures for the fiscal year ended June 30, 1913.*

	Projects.	Salaries.			Travel, station, and field expenses.	Equipment.	Apparatus, instruments, laboratory materials.	
		Statutory.	Lump fund.					Total.
			In Wash- ington.	Out of Wash- ington.				
1	Deciduous fruit insects.....	\$1,528.33	\$9,445.02	\$17,162.84	\$28,136.19	\$5,837.58	\$2,258.64	
2	Cereal and forage insects.....	2,353.00	6,430.01	39,995.77	48,778.78	8,274.34	6,778.63	
3	Southern field-crop insects.....	2,166.67	3,451.65	29,412.95	35,031.27	7,858.97	2,438.64	
4	Forest insects.....	3,128.33	13,112.51	18,842.36	35,083.20	8,074.48	2,790.13	
5	Chestnut-tree bark disease.....		1,399.98	3,400.03	4,800.01	825.70	104.47	
6	Truck-crop and stored-product insects..	896.94	9,864.57	10,607.35	21,368.86	2,983.18	2,324.22	
7	Bee culture.....	891.67	10,793.06	1,278.80	12,963.53	998.36	883.54	
8	Citrous-fruit insects.....	832.50	6,452.78	8,725.46	16,010.74	2,681.29	1,729.09	
9	Mediterranean fruit fly.....		3,142.49	11,055.13	14,197.62	2,649.94	1,797.57	
10	Miscellaneous insects.....	6,971.66		15,998.98	22,970.64	222.98	451.03	
11	Preventing spread of moths.....	10,524.50	4,066.67	211,521.99	226,113.16	27,595.50	5,132.27	
12	Exterminating the army worm.....			7.78	7.78	4,842.92	52.20	
13	Administration.....	28,040.00			28,040.00	1,571.24		
	Total.....	57,333.60	68,158.74	368,009.44	493,501.78	74,416.48	26,688.23	

**PROJECT STATEMENTS.**

DECIDUOUS FRUIT INSECTS.		
Total expenditure as above.....	\$39,827.52	
Outstanding liabilities, Aug. 31 (estimated) ..	1,181.39	
Unexpended balance (estimated).....	1,190.84	
<b>Total allotment.....</b>	<b>42,199.75</b>	
Distributed among the several subactivities approximately as follows:		
Office and laboratory: This covers the administrative, clerical, and miscellaneous laboratory work of deciduous fruit insect investigations.....	\$6,059.97	\$4,783.98
Apple-insect investigations: Work on the life histories and habits of insects injurious to the apple, pear, quince, etc., and determination of remedies for same.....	11,932.31	
Peach-insect investigations: Investigation of the life histories and determination of remedies for insects injurious to the peach, plum, cherry, etc.....	6,216.45	
Grape-insect investigations: General study of the biology of the important grape insects in the United States, and the development and application of remedies.....	5,041.10	
Nut-insect investigations: General study of the insect enemies of cultivated nuts throughout the United States.....	1,529.87	
Investigation of orchard insecticides and spraying machinery: Study of comparative values of insecticides and spraying machinery in general use, and extent to which insecticides may be combined with different fungicides; development of new insecticides and spraying apparatus, and demonstration of their value in insect control....		1,161.15
Cranberry and small-fruits insect investigations: Investigation of insects affecting the cranberry and other small fruits, and determination of appropriate remedial measures for same; observation of methods of insect control now practiced, with a view of developing improvements where possible.....		2,084.98
Investigation of insect control by natural agencies: Determination of the importance of Hymenopterous parasites and predatory insects in the control of various species of insects injurious to deciduous fruit orchards, vineyards, etc., and for development of methods for their practical propagation and dissemination.....		2,199.10
Orchard insect survey: This work involves the obtaining of information regarding a large number of insect pests of orchards, vineyards, etc., not normally of first-class importance as pests but which in the aggregate do a large amount of injury and which may become seriously destructive at any time, so as to be prepared to promptly suggest remedies in case of serious insect outbreaks and minimize the loss from such causes.....		
<b>Total.....</b>		<b>41,008.91</b>

Supplies: Purchase of plane-tables, compasses, augers, alidades, and other instruments, drafting and photographic supplies, and other materials for field and office work..... \$4,819.23

Total..... 181,935.85

ADMINISTRATIVE AND OVERHEAD EXPENSES.

Total expenditure as above..... \$31,583.72

Outstanding liabilities, Aug. 31 (estimated).. 114.47

Unexpended balance (estimated)..... 342.71

Total allotment..... 32,040.90

Distributed among the several subactivities approximately as follows:

Office of the chief: Salaries..... \$5,376.11

Office of the chief clerk:

Salaries—

Statutory..... \$10,990.29

Lump-fund..... 688.99

General overhead expenses.. 977.89

12,657.17

(a) Accounts—salaries... 3,158.33

(b) Editorial—salaries.. 5,986.17

(c) Supplies—salaries... 2,100.00

General overhead supplies..... 2,420.41

13,664.91

Total expenditures..... 31,698.19

BUREAU OF ENTOMOLOGY.

Statement of expenditures for the fiscal year ended June 30, 1913.

Stationery.	Furniture.	Rent.	Telegraph, telephone, and postage.	Freight, express, and drayage.	Furnishing of heat, light, power, and electricity.	Forage and other supplies for animals when purchased in bulk.	Fuel.	Miscellaneous.		Total.
								Supplies, services, etc.	Specified items not otherwise classified.	
\$103.38	\$497.12	\$1,311.51	\$117.56	\$428.27	\$65.30		\$10.26	\$562.21		\$39,827.52
242.24	1,523.96	1,679.86	305.69	629.28	71.32		29.00	495.10		69,965.15
125.25	585.87	1,446.70	150.50	553.75	119.94	\$231.95	9.00	117.76		48,669.60
185.57	563.80	732.48	100.56	48.54	5.40	21.63	50.68	21.25		47,677.72
5.05	136.98		.60	16.55						5,889.36
182.45	360.22	318.50	24.51	27.55				30.41		28,555.30
64.64	78.82	180.00	10.35	27.51	338.51			83.97		15,629.23
32.30	179.92	538.50	82.31	274.48	93.94			78.03		22,076.60
51.42	268.30		74.61	93.69	2.00			163.88		19,299.03
179.52	40.46		53.96	56.73				50.31		24,025.63
196.66	1,021.32	1,795.17	104.43	933.94			280.38	1,268.19		266,840.02
								5.30		4,908.20
359.04	1,349.36									31,319.64
1,727.52	6,606.13	8,002.72	1,025.08	3,090.29	696.41	253.58	379.32	2,876.41		624,683.00

CEREAL AND FORAGE INSECTS.

Total expenditure as above..... \$69,965.15

Outstanding liabilities, Aug. 31 (estimated).. 4,482.93

Unexpended balance (estimated)..... 2,904.92

Total allotment..... 77,353.00

Distributed among the several subactivities approximately as follows:

Office and administration: Covers the general supervision of the expenditure of this office, the preparation of results for publication, etc..... \$5,353.00

Cereal-insect investigations: Investigations of insects attacking cultivated grains; experiments in the utilization of natural enemies of such insects, besides remedial and preventive measures through mechanical means. Work of this sort has been conducted in connection with the white, grub, fall army worm, cutworms, western army cutworm, joint worm, wireworms, chinch bug, Hessian fly, corn-root worms, and miscellaneous insects affecting rye, barley, and other small grains..... 34,241.46

Forage-insect investigations: Studies of insects attacking plants used as forage through the employment of their natural enemies and the utilization of mechanical remedial and preventive measures. The work covers the alfalfa weevil, range caterpillar, alfalfa seed chalcis, insects attacking soja bean, cowpea, and any other plants or grasses used for forage..... 34,853.62

Total..... 74,448.08

SOUTHERN FIELD CROP INSECT INVESTIGATIONS.

Total expenditure as above..... \$48,669.60

Outstanding liabilities, Aug. 31 (estimated).. 506.24

Unexpended balance (estimated)..... 150.83

Total allotment..... 49,326.67

Distributed among the several subactivities approximately as follows:

Office and laboratory: Consists of clerical work, compilation of records of field experiments, and determinations of insects concerned in the field investigations..... \$2,166.67

Cotton insects: Investigation of the cotton-boll weevil and other cotton insects whose attacks complicate the loss resulting from the ravages of the weevil, including the introduction of parasites of these insects into the Mississippi Valley; determination of the efficiency of hand-picking of infested squares; life history studies; determination of local variations in weevil injury and dispersion of the weevil to previously uninfested territory..... 21,368.10

Tobacco insects: Includes investigations of two species of hornworms in Kentucky and Tennessee; the cigarette beetle, and insects which transmit the so-called Mosaic disease; the tobacco splitworm of Florida and other States; the larger tobacco beetle (only recently found for the first time in the United States), and the tobacco wireworm..... 9,276.35

Rice insects: Work on the rice water weevil and other enemies of rice..... 2,074.16

Sugar-cane insects: Studies of the sugar-cane moth borer and other insect enemies of sugar cane.....	\$3,122.13
Argentine ant: A study of this insect has been made with a view to reducing losses in cane plantations and annoyance in residences, warehouses, and elsewhere, and to prevent or restrict the further advance of the Argentine ant into the United States.....	2,070.15
Ticks: A number of American ticks have been shown to be instrumental in the carriage of disease among cattle. Their life histories are being studied in order to ascertain the best means of controlling them....	9,098.28
Total.....	49,175.84

## FOREST-INSECT INVESTIGATIONS.

Total expenditures as above.....	\$47,677.72
Outstanding liabilities, Aug. 31 (estimated)..	200.61
Unexpended balance (estimated).....	
Total allotment.....	47,878.33

Distributed among the several subactivities approximately as follows:

Office and laboratory: General supervision of field investigations; preparation of results for publication; laboratory experiments pertaining to the work as a whole; correspondence, and general office details..	\$7,828.33
Insects affecting forest growth: Investigation of insects injurious to forests, the character and extent of their depredations, methods for their control, and the prevention of losses to forests from such causes....	20,200.61
Insects affecting wood of dying and dead trees and crude forest products: Investigations of wood-boring insects which contribute to the rapid deterioration of dying, dead, standing, and felled timber, sawed logs, and other crude forest products.....	2,000.00
Insects affecting unseasoned manufactured forest products: Investigation of wood-boring insects which injure, reduce values of, or destroy unseasoned lumber, square timbers, handle, wagon, and agricultural implements, stock, telegraph, and telephone poles, posts, mine props, and like products; determining character and extent of damage and methods of prevention..	1,000.00
Insects affecting seasoned and finished forest products: Investigation of wood-boring and so-called "powder post" insects which injure, reduce values of, or destroy sapwood portions of seasoned hardwood lumber of all kinds, cabinet woods, agricultural-implement stock; determination of character, extent of damage, and methods of prevention.....	550.00
Insects affecting utilized forest products: Studies of wood and bark-boring insects which injure or destroy wood material used in implements, machinery, wagons, furniture, inside finish of buildings, bridges, railroad ties, telegraph and telephone poles, mine props, fence posts, log houses, rustic work; determination of the character and extent of damage and demonstration of practical methods of prevention.....	1,500.00
Miscellaneous forest insects: Control and prevention of miscellaneous injurious forest insects; protection and encouragement of beneficial species; studies of the relation of	

climate, latitude, altitude, and injuries by lightning to insect life; investigations of the interrelation of insects and forest fires, problems of their control and prevention, and the various natural laws and principles to be considered in connection with the science and practice of forest entomology..	\$14,799.39
Total.....	47,878.33

## INVESTIGATION OF THE CHESTNUT TREE BARK DISEASE.

Total expenditure as above.....	\$5,889.36
Outstanding liabilities, Aug. 31 (estimated)..	98.15
Unexpended balance (estimated).....	4,012.49
Total allotment.....	10,000.00
Investigations to determine the relation of wounds made by insects in the bark of chestnut trees to infection by the disease spores; relation of insects to the dissemination of the disease, destruction of the spores, cause of unhealthy and dying condition of the trees, etc.....	5,987.51

## TRUCK-CROP AND STORED-PRODUCT INSECT INVESTIGATIONS.

Total expenditure as above.....	\$28,555.30
Outstanding liabilities, Aug. 31 (estimated)..	1,404.64
Unexpended balance, Aug. 31 (estimated)...	937.00
Total.....	30,896.94

Distributed among the several subactivities approximately as follows:

Office and laboratory: General supervision of the field and laboratory work, including the preparation of results for publication, correspondence, etc.....	\$4,305.28
Potato-insect investigations: General study of insects affecting the potato, including the potato tuber moth, the potato flea beetle, and the Colorado potato beetle....	2,100.00
Sugar-beet insect investigations: Study of important sugar-beet pests, including the curly-top leaf hopper, the sugar-beet webworm, the sugar-beet leaf beetle, and various species of wireworms.....	9,500.00
Onion insect investigations: Includes investigation of methods of controlling the onion thrip, onion maggot, and other species of insects which cause injury to the crop....	3,700.00
General truck-crop insect investigations: Study of miscellaneous insects affecting truck crops not covered by special work on insects injurious to the potato, sugar beet, and onion.....	5,250.02
Stored-product insect investigations: Work directed toward the control of injurious forms of insects affecting cereals, stored beans, peas, dried fruits, nuts, ham and stored meats, cheese, hides, furs, woolen fabrics, etc.....	5,104.64
Total.....	29,959.94

## BEE-CULTURE INVESTIGATIONS.

Total expenditure as above.....	\$15,629.23
Outstanding liabilities Aug. 31 (estimated)..	201.62
Unexpended balance (estimated).....	60.82
Total allotment.....	15,891.67

Distributed among the several subactivities approximately as follows:

Office and laboratory: General supervision of investigations, clerical work, and maintenance of the apiary.....	\$4,596.71
Wintering of bees: Study of the activities of bees in winter, effects of various foods in relation to accumulation of feces, and difference in behavior of bees during confinement according to age; preliminary experiments in the practical wintering of bees to ascertain effects of various methods of packing, ventilation, etc.....	3,863.44
Diseases of bees: Study of infectious diseases of bees in developmental and adult stages, including geographical distribution and means of control.....	3,801.82
Development of bees: Investigations of the development of the bee in the egg.....	1,600.00
Wax production: Study of the activities of bees in wax secretion to determine conditions most favorable for this activity....	293.97
Sense organs of bees: Study of the sense organs of bees to determine their location, function, and influence on the behavior of the bee.....	1,480.00
Bee keeping: Investigation of the present extent and possibilities for the future development of the bee-keeping industry in Porto Rico; cooperation with the State entomologist of Wisconsin in the study of the bee-keeping industry in the white clover belt, with special reference to methods of manipulation, and spread of bee diseases..	194.91
Total.....	15,830.35

#### CITRUS-FRUIT INSECT INVESTIGATIONS.

Total expenditure as above.....	\$22,076.60
Outstanding liabilities Aug. 31 (estimated)..	186.80
Unexpended balance (estimated).....	69.10

Total allotment..... 22,332.50

Distributed among the several subactivities approximately as follows:

Office and administration: Execution of administrative affairs, conducting correspondence, preparation of results for publication, etc.....	\$4,332.50
White-fly investigations: Work has been directed toward obtaining an economical and effective method of controlling the destructive citrus white fly in Florida.....	4,849.76
Investigations of citrus insects in Louisiana: Work in the control of insect enemies of citrus fruits; investigations looking to discovery of methods for early detection of new pests which may have gained a foothold in this region.....	3,980.26
Insects affecting date palms, avocado, etc.: Includes investigations of the two principal date scale insect pests.....	2,673.39
Hydrocyanic-acid gas investigations: Experiments in the fumigation of citrus orchards in southern California, with a view to securing a more economical and efficient method than the one in use at the present time.....	6,427.49
Total.....	22,263.40

#### INVESTIGATIONS OF THE MEDITERRANEAN FRUIT FLY.

Total expenditure as above.....	\$19,299.03
Outstanding liabilities Aug. 31 (estimated)..	6,366.41
Unexpended balance (estimated).....	9,334.56

Total allotment..... 35,000.00

Distributed among the several subactivities approximately as follows:

Investigations in the United States: Consists of thorough inspection of imported fruit, in cooperation with the Federal Horticultural Board and the authorities of the State of California and the Territory of Hawaii, for detection of the presence of the fruit fly and its exclusion from this country....	\$4,383.15
Investigations in Hawaii: Study of the life history and introduction and establishment of parasitic enemies of the Mediterranean fruit fly, practical control work, examination and certification for export, cooperation to prevent carrying infected fruit on shipboard, etc.....	21,282.29
Total.....	25,665.44

#### MISCELLANEOUS INSECTS.

Total expenditure as above.....	\$24,025.63
Outstanding liabilities, Aug. 31 (estimated)..	510.53
Unexpended balance (estimated).....	12.78

Total allotment..... 24,548.94

Distributed among the several subactivities approximately as follows:

Insects affecting the health of man: Includes the investigation and eradication of the house fly, malaria-carrying mosquitoes, stable fly, Rocky Mountain spotted-fever tick; investigation of the possible transmission of pellagra by insects.....	\$2,402.02
Insects affecting the health of domestic animals: Investigation of the various species of ticks which transmit diseases or are of importance as parasites of domestic animals; and of screw worm and ox warble.....	2,224.17
Investigation, identification, and systematic classification of miscellaneous insects: This provides for miscellaneous investigational work not specifically provided for in other projects of the bureau.....	19,909.97
Total.....	24,536.16

#### PREVENTING SPREAD OF MOTHS.

Total expenditure as above.....	\$266,840.02
Outstanding liabilities, Aug. 31 (estimated)..	11,572.06
Unexpended balance (estimated).....	15,835.50

Total allotment..... 294,247.58

Distributed among the several subactivities approximately as follows:

Office and administration: General supervision of the work, preparation of the results for publication, correspondence, and other clerical work.....	\$13,024.50
--	-------------

Experimental work: Investigations concerning the gypsy moth and brown-tail moth and the proper methods for their control; the importation, breeding, and colonization of the parasites and natural enemies of these insects, and investigation of the diseases affecting them; also experiments to determine best methods of silvicultural management of moth-infested woodlands.....

\$69,450.00

Field work: Application of results of experimental work; enforcing regulations prescribed by Federal Horticultural Board; determination of limits of infested area; and application of measures to prevent spread of these insects.....

\$195,937.58

Total..... 278,412.08

## BUREAU OF BIOLOGICAL SURVEY.

Statement of expenditures for the fiscal year ended June 30, 1913.

Project.	Salaries.				Travel, station, and field expenses.	Equipment.	Apparatus, instruments, laboratory materials.
	Statutory.	Lump fund.		Total.			
		In Washington.	Out of Washington.				
1 Administration.....	\$13,546.78	\$8,519.13		\$22,065.91	\$339.60	\$184.50	
2 Enforcement of the Lacey Act.....	2,525.00		\$1,002.00	3,527.00	1,154.91		
3 Game preservation.....	5,783.06	5,370.00	11,941.55	23,094.61	5,784.41	166.32	
4 Food habits of birds and mammals.....	1,912.50	21,498.19	8,863.02	32,273.71	11,061.90	143.04	\$21.93
5 Biological investigations.....	802.50	8,634.84	350.00	9,787.34	950.07		
Total.....	24,569.84	44,022.16	22,156.57	90,748.57	19,290.89	493.86	21.93

## PROJECT STATEMENTS.

## ADMINISTRATION.

Total expenditures as above..... \$24,541.80  
 Outstanding liabilities, Aug. 31 (estimated).. 422.86  
 Unexpended balance (estimated)..... 755.34

Total allotment..... 25,720.00

General direction of the investigational work of the bureau, business routine, laboratory operations, and maintenance of sectional library..... 24,964.66

## ENFORCEMENT OF THE LACEY ACT.

Total expenditures as above..... \$4,697.51  
 Outstanding liabilities, Aug. 31 (estimated).. 55.78  
 Unexpended balance (estimated)..... 46.71

Total allotment..... 4,800.00

Distributed among the several subactivities approximately as follows:

Importation of foreign birds and mammals: Preventing, by rigid inspection at ports of entry, introduction into the United States of injurious birds and mammals..... \$1,558.33

Interstate commerce in game: Collecting evidence of violation of Federal game laws, transmitting such evidence to the solicitor of the department and to State officials, and furnishing expert testimony when necessary..... 3,194.96

Total..... 4,753.29

## GAME PRESERVATION.

Total expenditure as above..... \$38,349.17  
 Outstanding liabilities, Aug. 31 (estimated).. 407.15  
 Unexpended balance (estimated)..... 2,326.58

Total allotment..... 41,082.90

Distributed among the several subactivities approximately as follows:

Reservations and refuges: Maintenance of breeding refuges for birds and game mammals..... \$13,455.81

Bison range: Protection and care of buffalo herd on Montana bison range and stocking this range with elk and other big game.... 1,842.17

Restocking reservations: Restocking national game preserves and other reservations with big game and game birds adapted thereto. 1,832.60

Elk protection and removal: Maintenance of elk during winter; also the transfer of small experimental elk herds to other locations on public lands..... 5,802.90

Wind Cave preserve, South Dakota: Acquisition of land preparatory to establishment of a bison herd..... 2,000.00

Publications on game birds: Compilation, publication, and distribution of information concerning game birds, interstate commerce in game, and protection and propagation of game and nongame birds..... 13,822.84

Total..... 38,756.32

**EXTERMINATING THE ARMY WORM.**  
 Total expenditure as above..... \$4,908.20  
 Outstanding liabilities, Aug. 31 (estimated).. 91.80  
 Total allotment..... 5,000.00  
 Expended for salaries and traveling expenses of employees assigned to work under this emergency appropriate

ation to investigate a disastrous outbreak of the army worm.  
**ADMINISTRATION.**

Total expenditure as above..... \$31,319.64  
 This covers the general supervision of the work of the bureau, under the personal direction of the chief of the bureau.

**BUREAU OF BIOLOGICAL SURVEY:**

*Statement of expenditures for the fiscal year ended June 30, 1913.*

Stationery.	Furniture.	Rent.	Telegraph, telephone, and postage.	Freight, express, and drayage.	Furnishing of heat, light, power, and electricity.	Forage and other supplies for animals when purchased in bulk.	Fuel.	Miscellaneous.		Total.
								Supplies, services, etc.	Specified items not otherwise classified.	
\$547.39	\$158.85		\$205.74	\$568.40				\$471.41		\$24,541.80
			15.60							4,697.51
75.34	96.72		17.25	803.62		\$4,781.15	\$143.78	1,385.95	\$2,000.00	38,349.15
159.41	101.75		3.15	88.20				659.01		44,512.10
2.20			.90					474.99		11,215.50
784.34	357.32		242.64	1,460.22		4,781.15	143.78	2,991.36	2,000.00	123,316.06

<sup>1</sup> Land.

**FOOD HABITS OF BIRDS AND MAMMALS.**

Total expenditure as above..... \$44,512.10  
 Outstanding liabilities Aug. 31 (estimated).. 366.84  
 Unexpended balance (estimated)..... 221.06

Total allotment..... 45,100.00

Distributed among the several subactivities approximately as follows:

Food habits of birds: Field study and laboratory investigations of the food habits of native birds and their relations to agriculture; preparation of reports on beneficial and injurious species for use of farmers.... \$14,447.62  
 Relation of native mammals to agriculture: Investigating the food habits of native wild animals, especially rodents and carnivores, and their relation to agriculture; devising methods for control of the injurious species, and publication of data..... 24,403.24  
 Control of crawfish: Devising methods for the economic control of crawfish in corn and cotton fields in Mississippi and Alabama where they seriously injure crops..... 1,015.50  
 Destroying ground squirrels: Experimental and general work in destroying ground squirrels in the national forests..... 2,984.34  
 Rearing fur-bearing animals: Experiments to develop superior grades of fur-bearing animals and to place the rearing of such animals on an economic basis..... 2,028.24  
 Total..... 44,878.94

**BIOLOGICAL INVESTIGATIONS.**

Total expenditure as above..... \$11,215.50  
 Outstanding liabilities, Aug. 31 (estimated).. 80.18  
 Unexpended balance (estimated)..... 204.32

Total allotment..... 11,500.00

Distributed among the several subactivities approximately as follows:

Bird migration: Securing accurate information concerning the time and routes of migration of game and nongame birds for use in the conservation of the species and the administration of the migratory bird act... \$1,533.34  
 Biological surveys of States: Investigations of the distribution and abundance of native birds and mammals in the States and of their relation to the natural climatic belts or zones in each area..... 2,584.85  
 Preparation of reports, maps, and files: Preparation of data secured as a result of field work for publication and for office files; study and identification of material collected by the bureau or submitted by State institutions and individuals; mapping distribution of species of North American birds and mammals, and compilation of data concerning bird migration..... 7,177.49  
 Total..... 11,295.68

DIVISION OF PUBLICATIONS.

Statement of expenditures for the fiscal year ended June 30, 1913.

Project.	Salaries.				Travel, station, and field expenses.	Equipment.	Apparatus, instruments, and laboratory materials.
	Statutory.	Lump fund.		Total.			
		In Wash- ington.	Out of Wash- ington.				
Publication work of the Department of Agriculture.....	\$161,574.60			\$161,574.60		\$3,798.24	\$120.35

PROJECT STATEMENT.

Total expenditures.....	\$176,175.65	expenditures therefor; routine correspondence, and clerical work.....	\$20,334.37
Outstanding liabilities, Aug. 31 (estimated).....	321.43	Editorial work: Comprises handling of all manuscripts submitted for publication, including preparation of copy for the printer, editing, revising, proofreading, compiling, abstracting, etc.....	18,928.01
Unexpended balance (estimated).....	43,202.92	Indexing: Preparation of indexes to publications; maintenance of card index, by subjects, of all publications issued by department.....	10,614.60
		Illustration work: Preparation of drawings and photographs for use in illustrating de-	
Total allotment.....	219,700.00		

Distributed among the several subactivities approximately as follows:

Administration and overhead expenses: Supervision of the editorial and publication work of the division, including all printing and binding for the department, and of the

BUREAU OF STATISTICS.

Statement of expenditures for the fiscal year ended June 30, 1913.

Projects	Salaries.				Travel, station, and field expenses.	Equipment.	Apparatus, instruments, laboratory materials.
	Statutory.	Lump fund.		Total.			
		In Wash- ington.	Out of Wash- ington.				
1 Administration.....	\$21,639.90	\$3,201.02		\$24,840.92		\$561.55	
2 Special field agents' service.....	652.29		\$33,518.33	34,170.62	\$24,665.35	51.01	
3 State statistical agents' service.....	1,304.57		27,286.94	28,591.51	4,568.96		
4 Domestic voluntary statistical service.....	44,411.58	3,731.81		48,143.39		711.80	
5 Miscellaneous investigations.....	42,841.28	7,215.83		50,057.11	116.22	1,210.78	
Total expenditures.....	110,849.62	14,148.66	60,805.27	185,803.55	29,350.53	2,535.14	

PROJECT STATEMENTS.

ADMINISTRATION.

Total expenditures as above.....	\$26,537.75
Outstanding liabilities, Aug. 31 (estimated).....	759.12
Unexpended balance (estimated).....	383.13
Total allotment.....	27,680.00

Distributed among the several subactivities approximately as follows:

Office of chief of bureau: General direction and supervision of the work of the bureau. \$6,418.13

Associate statistician's office: The work of this office directly pertaining to specific projects of the bureau (conducting and supervising statistical correspondence, miscellaneous investigations, the final computations and preparation of monthly crop reports, and the preparation of special reports and articles for publication, and acting as chief of bureau in the absence of the latter) has been charged accordingly.

For that portion of the work which is general in character, as the opening of mail, distribution of work, preparation of letters on administrative and executive matters, etc. 4,189.08

Chief clerk's office: Has general supervision of the work and personnel of the bureau's force in Washington; immediate direction and supervision of the work relating to the bureau's fiscal matters, property and cost records, files and outgoing mail, purchase and distribution of supplies, distribution of seeds and publications to voluntary correspondents, and of the messengers, laborers, and char force..... \$16,689.66

Total..... 27,296.87

SPECIAL FIELD AGENTS' SERVICE.

Total expenditures as above.....	\$59,283.12
Outstanding liabilities, Aug. 31 (estimated).....	2,808.74
Unexpended balance (estimated).....	5,168.14
Total allotment.....	67,260.00

Twenty-two special field agents, each traveling within a prescribed territory, report to the bureau in proper seasons relative to acreage, condition, yield, value, etc., of farm products and live stock in their respective territories, based on information obtained by correspondence

DIVISION OF PUBLICATIONS.

Statement of expenditures for the fiscal year ended June 30, 1913.

Stationery.	Furniture.	Rent.	Telegraph, telephone, and postage.	Freight, express, and drayage.	Furnishing of heat, light, power, and electricity.	Forage and other supplies for animals, when purchased in bulk.	Fuel.	Miscellaneous.		Total.
								Supplies, services, etc.	Specified items not otherwise classified.	
\$2,808.30	\$657.52	\$537.63	\$148.50	\$3.02	\$0.88	.....	.....	\$6,526.61	.....	\$176,175.65

partment publications; photographic and drafting work for all bureaus of the department for official record and for lectures; preparation of lantern slides for official use, and photographs and lantern slides for furnishing to applicants at a price authorized by law. .... \$24,294.30

Distribution of documents: Cooperation with the Government Printing Office in the distribution of department publications; maintenance of record of distribution of

department publications; storing and mailing of publications used in the department distribution; mailing of all press notices; preparation of duplicating forms and circular letters for the various bureaus; preparation of congressional correspondence relating to quotas of farmers' bulletins; mailing of all publications sent to foreign addresses, and recording such distribution; maintenance of mailing lists, etc. .... \$102,325.80

Total..... 176,497.08

BUREAU OF STATISTICS.

Statement of expenditures for the fiscal year ended June 30, 1913.

Stationery.	Furniture.	Rent.	Telegraph, telephone, and postage.	Freight, express, and drayage.	Furnishing of heat, light, power, and electricity.	Forage and other supplies for animals when purchased in bulk.	Fuel.	Miscellaneous.		Total.
								Supplies, services, etc.	Specified items not otherwise classified.	
\$621.28	\$181.32	.....	\$116.00	\$54.03	.....	.....	.....	\$101.29	<sup>1</sup> \$61.36	\$26,537.75
118.66	46.04	.....	171.65	54.85	.....	.....	.....	4.94	.....	59,283.12
219.90	421.60	.....	252.81	130.08	.....	.....	.....	.....	.....	34,184.86
3,723.99	278.90	.....	1.91	6.40	.....	.....	.....	379.27	<sup>1</sup> 10.60	53,256.26
513.25	137.63	.....	.....	2.98	.....	.....	.....	58.45	.....	52,096.42
5,197.08	1,065.49	.....	542.37	248.34	.....	.....	.....	543.95	71.96	225,358.41

<sup>1</sup> Cleaning and toilet supplies.

with voluntary aids, and by personal observation and inquiry among leading producers, dealers, consumers, and others who by reason of business relations or other interests are well informed on the subjects reported upon. The entire agricultural area of the United States is covered and reported upon by this service, two agents devoting their entire time to rice and tobacco, respectively. These reports, in conjunction with those from the State statistical agents and voluntary correspondents, form the bases of the bureau's crop reports, estimates, and forecasts.

STATE STATISTICAL AGENTS' SERVICE.

Total expenditures as above .....	\$34,184.86
Outstanding liabilities, Aug. 31 (estimated) ..	1,337.75
Unexpended balance (estimated) .....	2,137.39
Total allotment .....	37,660.00

One State statistical agent renders seasonable reports to the bureau relative to the acreage, condition, yield, value, etc., of important crops and live stock, for each of 47 States, based upon reports received by him from a corps of voluntary correspondents located throughout the agricultural sections of his State, augmented by occasional

trips of inspection. In conjunction with reports from special field agents, and from various classes of voluntary correspondents reporting to Washington direct, these form the bases of the bureau's crop reports, estimates, and forecasts.

DOMESTIC VOLUNTARY STATISTICAL SERVICE.

Total expenditure as above .....	\$53,256.26
Outstanding liabilities, Aug. 31 (estimated) ..	441.49
Unexpended balance (estimated) .....	957.25
Total allotment .....	54,655.00

This line of work consists of the maintenance of several corps of voluntary correspondents, each being well distributed throughout the agricultural sections of the United States, numbering about 150,000 on all lists maintained, who report direct to the bureau upon schedules of inquiry mailed to them relative to crop acreages, conditions, yields, values, etc., in their respective localities. The information is classified, arranged, edited, and tabulated, and in conjunction with reports from State statistical agents and special field agents forms the bases of the bureau's crop reports, estimates, and forecasts.

MISCELLANEOUS INVESTIGATIONS.

Expenditures as above.....	\$52,096.42
Outstanding liabilities Aug. 31 (estimated)...	755.00
Unexpended balance.....	573.58

Total allotment..... 53,425.00

Distributed among the several subactivities approximately as follows:

Bulletins and circulars: This line of work covers the preparation and editing of bureau bulletins and circulars containing comprehensive information to meet the demand for data concerning special subjects related to agriculture. Some of the subjects under consideration, or publications still in demand, are: Expenses and methods of mar-

keting farm products; imports and exports of farm and forest products; foreign crops; production and consumption of farm products; dates of planting and harvesting of principal crops; farm wages; supply of farm labor; land and labor; railroads and agriculture; statistics relating to cold storage and its effect on prices; international trade in farm products; inland boat service; farmers' cooperation; movement to the country; area yield and production of tobacco by types; production value and consumption of rice, cotton, tobacco, and hops through a long period of years. Included under this activity is the preparation of the statistical appendix of the department year-book, which shows comparative data for

OFFICE OF EXPERIMENT STATIONS.

Statement of expenditures for the fiscal year ended June 30, 1913.

Project.	Salaries.				Travel, station, and field expenses.	Equipment.	Apparatus, instruments, laboratory materials.
	Statutory.	Lump fund.		Total.			
		In Washington.	Out of Washington.				
1 Agricultural Experiment Stations.....	\$37,403.86	\$31,641.42	\$300.00	\$69,345.28	\$2,196.12	\$464.49	.....
2 Alaska Experiment Station.....			21,903.77	21,903.77	2,469.01	1,706.64	\$3.10
3 Hawaii Experiment Station.....			24,734.35	24,734.35	214.85	972.17	1,149.76
4 Porto Rico Experiment Station.....			25,872.24	25,872.24	1,604.14	3,443.72	738.54
5 Guam Experiment Station.....			9,046.07	9,046.07	145.31	2,772.02	15.10
6 Farmers' institutes.....	4,334.15	11,217.26	104.46	15,655.87	1,143.08	82.00	.....
7 Nutrition investigations.....	2,498.44	14,107.72		16,606.16	263.80		860.84
8 Irrigation investigations.....	3,732.82	13,868.34	55,582.20	73,183.36	19,488.82	169.65	1,590.60
9 Drainage investigations.....	8,004.84	15,314.31	33,692.05	57,011.20	32,024.92	1,083.22	2,250.87
Total.....	55,974.11	86,149.05	171,235.14	313,358.30	59,550.05	10,693.91	6,608.81

PROJECT STATEMENTS.

AGRICULTURAL EXPERIMENT STATIONS.

Total expenditure as above.....	\$74,677.01
Outstanding liabilities, Aug. 31 (estimated)...	375.67
Unexpended balance (estimated).....	786.18

Total allotment..... 75,838.86

Examination of the work and expenditures of the State agricultural experiment stations, including the annual inspection of each station, examination of the accounts, financial reports, equipment, publications, etc., and personal conference with the station officials to determine the legitimacy and efficiency of their work and expenditures; direct management of Territorial experiment stations in Alaska, Hawaii, Porto Rico, and the Island of Guam; preparation of annual report to Congress on the work and expenditures of each station; advice to stations regarding personnel, lines of work, equipment, publications, etc.; collection of literature on agricultural science throughout the world and the preparation of summaries of the same in Experiment Station Record, consisting of eighteen numbers of one hundred pages each, annually, with detailed indexes; preparation of card indexes on publications of American stations for the use of agricultural colleges and experiment stations, State departments of agriculture and others; and exchange of information regarding the organization and progress of agricultural research with over one thousand experiment stations and kindred institutions in more than fifty countries..... 75,052.68

ALASKA AGRICULTURAL EXPERIMENT STATION.

Total expenditures as above:	
Appropriation 1913.....	\$29,162.63
Appropriation 1913-14.....	<sup>1</sup> 2,675.84
Receipts from sale of products.....	4,811.87

\$36,650.34

Outstanding liabilities, Aug. 31, 1913 (estimated).....	3,156.53
Unexpended balance (estimated).....	5.00

Total allotment..... 39,811.87

Maintenance of a central station located at Sitka, Alaska, with subsidiary stations at Fairbanks, Rampart, and Kodiak, to investigate the agricultural and horticultural resources of Alaska, including the development of animal industry, dairying, etc., and the introduction of cattle and sheep for experimental purposes..... 39,806.87

HAWAII AGRICULTURAL EXPERIMENT STATION.

Total expenditures as above:	
Appropriation 1913.....	\$29,999.75
Receipts from sale of products.....	588.65

\$30,588.40

Unexpended balance (estimated).....	.25
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Total allotment..... 30,588.65

Maintenance of a station at Honolulu, Hawaii, to study diversified agriculture, including the proper management of soil for rice and pineapples, plant-breeding experiments, in-

<sup>1</sup> Amount expended to June 30, 1913, from immediately available fund of \$5 000, appropriation act for 1913-14.

long periods relative to acreages, yields, prices, values, etc., of farm products, exports and imports of principal crops, and information relative to transportation rates by rail and water, and vegetable and animal products, such as sugar, flour, wool, etc....	\$21, 157. 14	tive to poultry and egg movement, apple shipments, production of beet and cane sugar, exports of durum wheat, etc., the accumulation of information along definite lines in anticipation of future demands for statistics; work for other bureaus, etc.....	\$19, 823. 38
Statistical correspondence: This line of work covers the compilation and tabulation of information for special tables in response to requests from other bureaus, statesmen, various associations, foreign Governments, voluntary correspondents, etc.....	7, 930. 36	Library: To facilitate the research work necessary in the investigations above described a statistical library is maintained. A cross-reference card index is kept current which renders accessible the wealth of statistical information contained in official reports and publications of State and foreign Governments, boards of trade, chambers of commerce, etc.....	3, 940. 54
Other investigations: Covers investigations not falling under the above classifications, as the preparation of statistical tables and special articles for the Crop Reporter and other publications of the department rela-		Total.....	52, 851. 42

OFFICE OF EXPERIMENT STATIONS:

Statement of expenditures for the fiscal year ended June 30, 1913.

Stationery.	Furniture.	Rent.	Telegraph, telephone, and postage.	Freight, express, and drayage.	Furnishing of heat, light, power, and electricity.	Forage and other supplies for animals when purchased in bulk.	Fuel.	Miscellaneous.		Total.	
								Supplies, services, etc.	Specified items not otherwise classified.		
\$876. 16	\$1, 045. 98		\$111. 23	\$14. 62				\$623. 13		\$74, 677. 01	1
47. 28	14. 38	\$172. 93	38. 76	3, 087. 73	\$618. 04	\$3, 162. 53		3, 426. 17		36, 650. 34	2
203. 79	110. 20		130. 08	83. 18	389. 92	377. 31		2, 222. 79		30, 588. 40	3
208. 74	91. 76		8. 54	462. 50	169. 70	766. 13		1, 628. 02		34, 994. 03	4
143. 04	62. 65		20. 73	274. 23	76. 50	641. 31		1, 145. 59		14, 342. 55	5
83. 06	718. 59		15. 44	1. 70				242. 42		17, 942. 16	6
			7. 37	15. 50				129. 16		17, 882. 83	7
118. 68	533. 11	1, 987. 92	93. 75	377. 38				285. 00		97, 828. 27	8
469. 30	617. 47	1, 309. 75	56. 48	502. 45				1, 017. 02		96, 342. 68	9
2, 150. 05	3, 194. 14	3, 470. 60	482. 38	4, 819. 29	1, 254. 16	4, 947. 28		10, 719. 30		421, 248. 27	

roduction of forage crops, and a general study of the peculiar agricultural needs of this group of islands..... \$30, 588. 40

PORTO RICO AGRICULTURAL EXPERIMENT STATION.

Total expenditures as above:	
Appropriation 1913.....	\$29, 996. 50
Receipts from sale of products.....	4, 997. 53
	\$34, 994. 03
Unexpended balance (estimated).....	3. 50

Total allotment.....	34, 997. 53
Maintenance of a station at Mayaguez, P. R., to carry on experiments in agronomy, entomology, horticulture, etc. Material contributions to the development of the citrus fruit and pineapple industries have been made, improved coffees developed, methods for control of various fungus and insect pests worked out, and interest in bee-keeping as an industry, live stock improvement, and attention to the care and feeding of stock advanced.....	34, 994. 03

GUAM AGRICULTURAL EXPERIMENT STATION.

Total expenditure as above.....	\$14, 342. 55
Outstanding liabilities, Aug. 31 (estimated).....	400. 00
Unexpended balance (estimated).....	257. 45

Total allotment.....	15, 000. 00
Maintenance of a station at Agana, Guam, to conduct investigations and carry on experiments designed to improve the agricultural	

conditions of the island, including the introduction of improved varieties of crops, live stock, and modern implements. The introduction of better crops and stock have been the leading lines of investigation thus far, and have been attended with gratifying results. The production of forage sufficient for stock raising has been demonstrated as possible through the introduction of new varieties of tropical forage plants. Improved varieties of fruits and vegetables have been secured and distributed and experiments begun for the improvement of the live stock of the island through the introduction of pure-bred horses, cattle, hogs, and chickens..... \$14, 842. 55

FARMERS' INSTITUTES.

Total expenditure as above.....	\$17, 942. 16
Outstanding liabilities, Aug. 31 (estimated).....	1, 202. 93
Unexpended balance (estimated).....	949. 06

Total allotment..... 20, 094. 15  
Distributed among the several subactivities approximately as follows:

Administrative expenses: This includes proportionate share of the general administrative expenses, such as miscellaneous stenographic and clerical services, employment of laborers and charwomen, and purchase of miscellaneous supplies..... \$845. 46

Farmers' Institutes: Investigations and reports upon the organization and progress of farmers' institutes in the United States

and foreign countries, for the purpose of obtaining special suggestions of plans and methods for making these organizations more effective for the dissemination of the results of the work of the department and the agricultural experiment stations and to improve methods of agricultural practice..	\$8, 128. 31	Irrigation practice: Investigations to determine the best methods and means of supplying water requirements of crops under varying conditions of crop and soils, effect of different methods of applying water, distribution of moisture in soil, waste of water through evaporation, run-off, and seepage; observations of irrigation practice throughout the irrigated section. The results of these investigations have been made available through personal advice, correspondence, and publications and through the maintenance of experimental stations which serve also as demonstrations.....	\$7, 764. 23
Agricultural schools: Investigations and reports upon the organization and progress of agricultural schools in the United States and foreign countries, for the purpose of obtaining special suggestions for plans and methods for making these organizations more effective for the dissemination of the results of the work of the department and the agricultural experiment stations and to improve methods of agricultural practice.	10, 171. 32	Power and appliances: Investigations and experiments in the use of engines and pumps of various types for supplying water for irrigation; designing and construction of irrigating structures and devices; construction and use of irrigating implements and equipment; construction of farm ditches and application of water to lands. The results are used in the preparation of bulletins and in answering inquiries.....	20, 018. 86
Total.....	19, 145. 09	Laws and institutions: Studies of the laws, forms of organization, regulations, systems of distribution, etc., effecting the use of water for irrigation, to determine the effect of these laws and institutions on the utilization of water resources; study of the equitable distribution of water and its economical use; settlement and utilization of lands under irrigation enterprises.....	2, 101. 59
NUTRITION INVESTIGATIONS.		Supplying information: Dissemination to the public and especially to new settlers of the results of the work of the Irrigation Division and general advice on irrigation possibilities, equipment, methods, etc., through publications, demonstrations, and written and oral advice to individuals and communities requesting assistance.....	21, 689. 13
Total expenditure as above.....	\$17, 882. 83	Total.....	99, 390. 28
Outstanding liabilities, Aug. 31 (estimated).	313. 43	The cost of the foregoing subactivities is further distributed among State, sectional, station, and topical projects as follows:	
Unexpended balance (estimated).....	302. 18	Alabama: A study of the possibilities of irrigation from flowing wells on worn-out cotton lands of Alabama and probable profits accruing from supplemental irrigation during periods of drouth.....	\$933. 13
Total allotment.....	18, 498. 44	All States: Studies of organization, financing, and management of irrigation enterprises, studies of irrigation institutions; preparation of reports on the economic phases of irrigation.....	616. 09
Investigation and reports upon the nutritive value of agricultural products used for human food, with special attention to plans and methods for the more effective utilization of such products for the purpose. A large amount of accumulated information has been incorporated in textbooks on physiology and dietetics which are used in schools, colleges, and elsewhere, and the results of the investigations also find wide practical application by housekeepers, institutions, physicians, and others interested in the feeding of man either as an individual or in groups.....	18, 196. 26	Arid regions: Preparation of reports upon irrigation under different forms of organization; on transpiration losses, and other factors concerned in the determination of the duty of water in irrigation; investigation and report of various methods of lining canals; collection of data on headgates, and preparation of reports of investigation.	3, 584. 97
IRRIGATION INVESTIGATIONS.		Arizona: Cooperation with Arizona Experiment Station in ascertaining possibilities of irrigation in Arizona from surface and underground water supplies.....	3, 182. 63
Total expenditure as above.....	\$97, 828. 27	Investigation of power and pumps used for irrigation; advice to irrigators regarding power and pumping equipment and its installation; preparation of reports on subjects relating to power and pumping.....	1, 313. 36
Outstanding liabilities, Aug. 31 (estimated).	1, 562. 01	California: Assisting irrigators and irrigation enterprises. Study of district organization under Wright Act of California and	
Unexpended balance (estimated).....	2, 642. 54		
Total allotment.....	102, 032. 82		
Distributed among the several subactivities approximately as follows:			
Administration and equipment: Direct supervision of irrigation investigations, including travel incidental to supervisory and administrative work, and purchase of supplies and equipment not chargeable to State or section projects; includes also miscellaneous stenographic and clerical services, employment of laborers and charwomen, and purchase of miscellaneous supplies.....	\$18, 209. 98		
Use of water: Experiments and investigations to establish standards for the most effective and economical use of available water supplies for crop production, including field experiments in which water is applied in different quantities at different times; tank experiments to determine disposition of water used; experiments to determine advantages and possibilities of irrigation in semiarid and humid sections. The results of these investigations have been disseminated among irrigators through publications, correspondence, and orally; and have been instrumental in causing a rapid extension of the practice of irrigation.....	29, 606. 49		

<p>other irrigation district laws; ascertaining causes of failure and successes, with view to aiding in organization of new districts. Study of organization, management, and operation of mutual water companies in southern California, with a view to aiding in the information of such companies as elsewhere. Investigations and report of irrigation resources and possibilities in southern California; irrigation of citrous and other fruits, and walnuts; study of the utilization of underground water supplies by pumping and submerged dams, storage of water, etc., in cooperation with the owners of irrigated lands and irrigation plants. Preparation of reports of investigations of irrigation resources of California, in cooperation with the Conservation Commission of California, including water supply available for irrigation, extent, location, and character of land susceptible of and adapted to irrigation, present extent of irrigation, and extent and location of unused available waters.....</p>	<p>\$10, 102. 32</p>	<p>acres and is divided into tracts of various sizes, upon which different methods of irrigation, different crops, and different amounts of water are used and results compared. Determination of proper and economical duty of water for soils and crops commonly grown in Idaho. Tracts of typical irrigated regions in the State were experimented upon in cooperation with the owners. Data were kept of the soil moisture, soils, amount of water used, yields, etc....</p>	<p>\$7, 222. 08</p>
<p>Colorado: Experiments in orchard irrigation, with a view to improving practices and bringing about a more economical use of water; investigation of the water requirements of crops and flow of water in channels; study of and report upon irrigation conditions of the chief irrigated regions in the State, with a view to improving present practices; application of the results of experiments conducted at the irrigation experiment station at Eads to the plains of eastern Colorado, and investigations in the use of small water supplies for supplemental irrigation; hydraulic laboratory tests of flow of water over weirs, through pipes, orifices, etc.; determination of coefficients in hydraulic formulæ, etc., in cooperation with Colorado Agricultural Experiment Station.....</p>	<p>8, 632. 31</p>	<p>Kansas: Collection of information and report regarding methods of irrigation; tests of pumping plants; experiments in winter irrigation; securing data on subirrigation methods; advice to settlers regarding irrigation matters. The work includes determination of methods best adapted to the use of well water, with special reference to needs of the high plains area; study of methods and application; rotation with reference to duty of water; winter irrigation, subirrigation, etc. A study of reservoirs to determine to what extent crops may be irrigated from this source was undertaken and a comparison made of the cost of securing water from reservoirs and from pumping plants.....</p>	<p>4, 522. 30</p>
<p>Florida: A study of the possibilities of irrigation in the citrous districts by small pumping plants; investigation of surface, overhead, and subirrigation, and the movement of irrigation water in soils.....</p>	<p>1, 431. 75</p>	<p>Maryland: Determination of benefits of supplemental irrigation for alfalfa, truck, potatoes, basket willows, etc., and investigation of the best methods of pumping, distributing, and applying water, and the duty of water.....</p>	<p>894. 42</p>
<p>Georgia: A study of the benefits and adaptability of methods of irrigation in Georgia, amount of water required for standard crops, irrigation from flowing wells and reservoirs, and need of irrigation during periods of drouth.....</p>	<p>442. 11</p>	<p>Minnesota: A study of the possibilities and methods best adapted to irrigation in Minnesota and of the effects of irrigation upon plants; experiments in irrigation by the spray, furrow, and check methods.....</p>	<p>50. 00</p>
<p>Gulf States and Arkansas: Collection of data on the efficiency of pumping plants in the rice sections; determination of seepage and evaporation losses and duty of water under rice canal systems; assistance to growers in planning and installing pumping systems; investigation and report on best methods of irrigating rice, with a view to ascertaining proper depth and time to irrigate, and relation between irrigation and rice blight; assistance to rice growers in improving methods of irrigation.....</p>	<p>3, 854. 26</p>	<p>Montana: Tank experiments to determine evaporation from irrigated soils and amount of water used by plants at different stages of growth; study and report of present irrigation practices and suggestions for improvements; investigation of the advantages and possibilities of irrigation in different parts of the State; aiding and advising water users and irrigation companies.....</p>	<p>2, 030. 43</p>
<p>Humid sections: Studies and reports of irrigation practices in or adapted to humid sections, and aid to irrigators in the improvement of same and the extension of irrigation in humid sections.....</p>	<p>2, 087. 10</p>	<p>Nebraska: A study and report of present practices, with suggestions for improvements; investigation of possibilities of irrigation by pumping; advice to water users and irrigation companies.....</p>	<p>2, 759. 42</p>
<p>Idaho: General investigation of irrigation problems throughout the State; advice to settlers; collecting data on canal structures of various kinds. This work also includes cooperation with the Idaho Experiment Station in maintaining an irrigation demonstration and experimental farm to aid settlers in Idaho. The farm contains 40</p>		<p>Nevada: Study of use of water and methods of applying in irrigation; ascertaining losses due to evaporation and seepage, relation of crop yields to the quantity of water applied; advising and aiding irrigators in a more economical use of water; determination of the duty of water in typical districts; ascertaining amount of seepage and return waters in various valleys; determination of losses by evaporation from rivers; study of storage possibilities and amount of appropriated and unappropriated waters, with a view to aiding in a more economical use of flow.....</p>	<p>2, 523. 04</p>
		<p>New Jersey: A study of the advantages, possibilities, and methods best adapted to irrigation of alfalfa and truck crops in New Jersey.....</p>	<p>1, 522. 91</p>
		<p>New Mexico: Collection of data on study of irrigation practices; introduction of better irrigation practices, with a view to raising the duty of water used; advice to irrigators in installing pumps and structures, etc. This work includes cooperation with scientific investigations of the values of different fuel oils for internal-combustion engines</p>	

used in pumping water for irrigation; also a study of the cost of orchard irrigation, study of end contractions in weirs, experiments to ascertain water requirements of different crops, and demonstration of wastes under present practices. . . . .	\$3,161.04	Maintenance of meter-reading station and instrument-repair shop at Berkeley, Cal.; Rating and adjusting meters, etc., and repairs and improvements to instruments used by field engineers. . . . .	\$2,188.93
New York: Determination of benefits of supplemental irrigation for orchard, truck, and other crops at various points. . . . .	408.86	Total. . . . .	99,390.28
Oklahoma: Collection of data concerning the feasibility and economy of irrigation from storage reservoirs; comparison of cost of securing water from reservoirs and from pumping plants. . . . .	233.70	DRAINAGE INVESTIGATIONS.	
Oregon: Study of the value of irrigation in Rogue River Valley under existing semi-arid conditions, investigation of effect of irrigation upon different crops, and study of the duty of water on different types of land; also general irrigation experiments, investigations of duty of water, collection of data, and advice to irrigators; study of seepage measurements on canals. . . . .	1,274.56	Total expenditure as above. . . . .	\$96,342.68
South Dakota: Collection of data regarding present practices; investigation of possibilities and advantages of irrigation by pumping and gravity systems; advice to water users and irrigation companies. . . . .	169.33	Outstanding liabilities, Aug. 31 (estimated). . . . .	1,158.20
Texas: Study of effects of irrigation on crops and methods of applying water to determine best methods of irrigation and soil culture; advice to settlers. . . . .	2,757.24	Unexpended balance (estimated). . . . .	10,503.96
Utah: Collection of data on and study of present irrigation practices, duty of water, effect of irrigation upon quantity and quality of crops, and advice to settlers on irrigated lands. . . . .	2,958.06	Total allotment. . . . .	108,004.84
Washington: Advice to irrigators in relation to the improvement of irrigation practices; instructions to beginners as to proper irrigation methods; investigation and report of possibilities of irrigation by gravity and pumping systems; collection of data on various phases of irrigation; and conducting evaporation experiments. . . . .	3,066.55	Distributed among the several subactivities approximately as follows:	
Western division of United States: Collection of data and preparation of bulletin on construction, use, and repair of wood pipe for irrigation purposes. . . . .	660.78	Administration and equipment: Direct supervision of drainage investigations, including travel incidental to supervisory and administrative work and purchase of supplies and equipment not chargeable to State or section projects; includes also miscellaneous stenographic and clerical services, employment of laborers and charwomen, and purchase of miscellaneous supplies. . . . .	\$19,153.37
Wisconsin: A study of the possibilities in irrigating apples, berries, and truck, and experiments in spray and slip-joint irrigation. . . . .	168.20	Farm drainage: Studies of methods for removing excess moisture from ground and of relieving sloping lands of rainfall without loss of soil; dissemination of results among farmers and landowners. . . . .	6,870.44
Wyoming: Cooperation with State of Wyoming in demonstrating cost, methods, and benefits of utilizing limited or intermittent water supplies in the irrigation of small areas in connection with dry farming; investigation of the minimum amount of water required for best production of different crops; comparison of methods and yields under irrigation and dry farming; and demonstration of advantages of winter irrigation. The work comprises also a general study of irrigation conditions and practices in the State and involves giving advice and assistance to irrigators and general supervision of irrigation demonstration farms at Cheyenne and Newcastle. . . . .	6,458.74	Swamp lands: Studies of methods of drainage of comparatively large tracts of land, naturally swampy for a considerable portion of the year, and preparation of drainage plans and reports for a few representative areas, for the purpose of demonstrating methods of reclamation and encouraging landowners to organize and provide for drainage work. This work has resulted in marked activity in drainage construction work in certain districts. . . . .	14,281.24
General planning and supervision of irrigation investigations throughout the United States: Preparation of reports, drafting and other work on illustration; correspondence with field agents and the public; purchase of field instruments, accessories, and general supplies. . . . .	18,189.66	Overflowed lands: Investigation of lands injured by overflow of streams; studies of methods of preventing inundation and of draining protected lands; and drainage surveys of representative areas, including the preparation of plans and reports, for the purpose of determining whether or not construction of new channels, correction of existing water courses, or protection by embankments, with subsidiary ditches, sluices, or pumping plants, is required; and to encourage the use of fertile river-bottom lands usually producing hay of small or no value, furnishing indifferent grazing, or entirely abandoned to weeds and brush. . . . .	25,803.67
		Irrigated lands: Investigations of land in arid and semiarid regions injured by waterlogging and resulting accumulation of alkali and dissemination of information as to practical drainage methods. Data on the movement of ground water under various conditions of the soil and topography are gathered for the purpose of formulating statements sufficiently accurate and definite to serve as a guide to farmers in planning and constructing drainage works. Studies have also been made of the value of drainage in removing injurious salts accumulated at or near the ground surface. . . . .	22,941.95
		Technical investigations: Investigations to determine the maximum rate at which water should be removed from definite areas to secure efficient drainage; effect of	

area, soil, climate, topography, etc., upon rate of run-off; capacity of ditches, natural streams, and tile drains at different grades and under varying conditions of smoothness or alignment; means of preventing silting and erosion; types of excavating machinery best suited to different working conditions; proper relation between capacity of drainage pumping plants and available storage in ditches; cost of different classes of drainage construction; value of hydraulic-cement mortar for drain tile, especially in the alkaline soil of irrigated regions. The data collected will be used in the preparation of reports for the information and guidance of engineers and others interested and in filling requests for information and advice.....	\$8,450.21	Georgia: General drainage and advisory work throughout the State and maintenance of headquarters for division engineer; advisory work in the installation of tile-drainage system on farm to serve as an example of tile drainage in a section where considerable land could be rendered productive if it were drained; preparation of plans for drainage of Red Cap Swamp and swamp lands lying along Little Satilla River, where the agricultural value of land would be greatly enhanced through a proper system of drainage; drainage survey and preparation of plans for installation of drainage system for 19,500 acres of swamp and overflowed land to render it suitable for trucking purposes; collection of information relating to the effectiveness and sedimentation of ditches and amount of run-off from a known area; drainage survey and preparation of plans for system of tile drainage on 500 acres of typical land in the Piedmont section to serve as an illustration of the benefits of underdrainage and its effect on hillside erosion; drainage survey and preparation of plans for the reclamation for agricultural purposes of about 2,000 acres of wet and overflowed lands along Flint River in Walton County, in cooperation with local interests.....	\$3,585.22
Total.....	97,500.88	Idaho: Study of overirrigated lands and determination of the best plan for their reclamation; demonstration of the feasibility of reclaiming farm lands from the evil effects of seepage and alkali by means of underdrainage by the installation of an experimental system of underdrainage, with a view of encouraging private reclamation; preparation of plans for system of open ditches and tile drains for underdraining a tract of 200 acres typical of land affected by seepage and alkali to encourage private reclamation; preliminary examination for the purpose of preparing estimate of cost and location of proposed ditches....	3,270.94
The cost of the foregoing subactivities is further distributed among State, sectional, station, and topical projects as follows:		Louisiana: General drainage and advisory work throughout the State and maintenance of headquarters of division engineer; collection of information regarding the proper run-off coefficient for areas; study of conditions affecting maintenance of ditches; investigation of the customary methods of doing the work and cost of drainage work in this region.....	4,038.82
Alabama: A study of various tile-drainage systems which have already been installed; assistance to farmers in the installation of tile-drainage systems; study of terracing methods.....	\$2,088.79	Maryland: General advisory work throughout the State and maintenance of headquarters of division engineer; devising a system of drainage for the reclamation of swamp lands for agricultural purposes and plans for the installation of tile; preparation of plans for installing experimental tile-drainage system as an example of benefits to be derived from underdrainage.....	948.25
Arkansas: General drainage and advisory work throughout the State and maintenance of headquarters of division engineer; collection of information relating to amount of run-off from a known area, rise and fall of water in ditches, effectiveness of ditches, etc.; drainage survey and preparation of plans for a tile-drainage system for about 40 acres as an experimental tract to demonstrate effect and results of underdrainage; drainage survey of a portion of Desha County to determine drainage units; preparation of plans for proper control and diversion of Cypress Creek and plans for main drainage channels; drainage survey and preparation of plan for tile drainage of about 80 acres of typical land in Lonoke County; drainage survey and preparation of plans for an underdrainage system for about 15 acres of typical land in Woodruff County.	5,992.24	Mississippi: General drainage and advisory work throughout the State and maintenance of headquarters of division engineer; collection of information relating to run-off in the vicinity of Bogue Phalla, Bolivar County; preparation of plans and reports on methods to be adopted in the installation of an underdrainage system on the Stigler farm to serve as an example to owners of similar lands in the vicinity; drainage survey and preparation of plans for drainage of about 90,000 acres of land along Big Black River to insure the value of this land for agricultural purposes.....	11,901.06
Arizona: Preparation of plans for a system of drainage to reclaim from the effects of seepage and alkali lands which have been irrigated; preventing other lands from being affected.....	266.25		
Colorado: General drainage investigations and advice to land owners; determination of the best methods of relieving the soil of excessive accumulations of alkali and seepage appearing after irrigation has been conducted for some time. The amount of land examined is about 88,960 acres. Assistance has been given to farmers in determining the best methods of relieving the soil of the excessive accumulation of alkali and seepage which appear after extensive irrigation. Plans for the reclamation of about 600 acres of seeped land and conservation of as much of the water as possible for irrigation purposes have been made; also plans for an experimental tile-drainage system, with a view of determining the depth, distance apart, and grade at which tile should be laid to provide for the removal of seepage and alkali. Assistance in connection with plans and specifications for a system of drainage in Conejos County has been rendered.....	5,756.59		

<p>Missouri: General drainage and advisory work throughout the State and maintenance of headquarters of division engineer; collection of data relating to run-off and preparing a report on drainage districts contemplating improvements; study of watersheds of such streams as may be examined.</p>	<p>\$1,167.99</p>	<p>system for about 100 acres to serve as an illustration of manner in which an efficient drainage system should be planned and benefits to be derived therefrom; cooperation with the North Carolina department of agriculture in collecting data relating to tile drainage, erosion, and run-off; study of methods employed throughout the State and advice to farmers in relation to installing drainage systems, etc.</p>	<p>\$3,435.57</p>
<p>New Mexico: Investigations to determine the best methods of reclaiming the farm lands in the Pecos and Rio Grande Valleys seeped and more or less ruined by alkali; investigations to supply State officials with information necessary to assist them in framing a drainage law; assistance in the organization of drainage districts throughout the valley; assistance to farmers and land owners in determining the best methods of relieving the soil of excessive accumulations of alkali and seepage.</p>	<p>2,809.24</p>	<p>Oklahoma: Devising system of drainage to prevent overflow of Bitter Creek, by relocation of channel, to enhance agricultural value of land.</p>	<p>800.08</p>
<p>New York: Assisting in preparation of plans for installation of tile-drainage system on 150 acres of the new university farm at Fishkill to be used for agricultural purposes. The system will serve as an illustration of the benefits to be derived from underdrainage. Assistance has been rendered Cornell University in preparing plans for drainage of swamp, 7 to 8 miles long and one-fourth to 1 mile wide, for the purpose of estimating cost of drainage to community at interest.</p>	<p>1,337.34</p>	<p>South Carolina: General drainage and advisory work throughout the State and maintenance of headquarters of division engineer; preparation of plans for drainage and reclamation for agricultural purposes of about 80,000 acres of overflowed land in the Black and Boggy Swamps district; preparation of plans for the drainage of about 25,000 acres of swamp land in the northeastern part of Horry County, where only 15 per cent of the land is cultivated in dry seasons and practically none in wet seasons; drainage survey and preparation of plans for the installation of an underdrainage system on about 1,000 acres of the Rose Bank farm as a demonstration of the results of underdrainage in this section.</p>	<p>6,139.83</p>
<p>North Carolina: General drainage and advisory work throughout the State and maintenance of headquarters of division engineer; preparation of plans for the installation of an experimental tile-drainage system on test farm of the State department of agriculture at Willard, N. C., to demonstrate benefits of underdrainage in this section; devising system of drainage for about 22,000 acres of swamp lands, which it is proposed to reclaim for agricultural purposes; determination of plan to prevent overflow of bottom lands along Buffalo Creek and its tributaries and improve them for agricultural purposes; assisting the Agricultural and Mechanical College in the preparation of plans for the installation of a tile-drainage</p>		<p>Tennessee: Drainage survey and preparation of plans for system of underdrainage for 100 acres of school farm to serve as an example of underdrainage in this section.</p>	<p>378.44</p>
		<p>Texas: General drainage investigations and advice to landowners; devising methods to relieve land of salt accumulated near the surface since irrigation began; rendering assistance to landowners in connection with the proposed drainage of lands in that vicinity; drainage survey and preparation of plans for drainage of the whole county, embracing an area of 1,109 square miles, the conditions being typical of the conditions in all Gulf coast counties of Texas. The plans and methods prepared for this county will be adaptable to the other counties. Such</p>	

OFFICE OF PUBLIC ROADS.

Statement of expenditures for the fiscal year ended June 30, 1913.

Project.	Salaries.				Travel, station, and field expenses.	Equipment.	Apparatus, instruments, and laboratory materials.
	Statutory.	Lump fund.		Total.			
		In Washington.	Out of Washington.				
1 Administration and overhead expenses.	\$13,340.00			\$13,340.00		\$2,015.02	\$1,028.66
2 Road management.	14,647.97	\$3,900.00	\$13,949.76	32,497.73	\$4,636.43	247.27	
3 Road building and maintenance.	2,400.00	7,900.00	44,123.64	54,423.64	18,694.92	1,094.00	
4 Road material.	6,180.00	18,547.39		24,727.39	1,325.72	423.30	493.66
5 Field experiments.			1,891.00	1,891.00	402.89	129.45	
6 Post roads.					24.35		
Total.	36,567.97	30,347.39	59,964.40	126,879.76	25,084.31	3,909.04	1,522.32

information relating to run-off as will be of most value in the drainage investigations as conducted by the Office of Experiment Stations has been collected.....	\$8,892.88	assistance to persons installing drainage systems.....	\$1,967.82
Utah: Experiments to determine best methods for removing excessive accumulations of water and alkali from the irrigated lands.....	3,265.46	General planning and supervision of drainage investigations throughout the United States: Preparation of report; drafting and other work on illustration; correspondence with field agents and the public; purchase of equipment, field instruments, and accessories, etc.....	14,611.54
Virginia: General drainage and advisory work throughout the State and maintenance of headquarters of division engineer; determination of a feasible plan for the reclamation of 16,000 acres of valuable swamp lands along the river which are flooded for a larger portion of the year, involving the examination of 25 or 26 miles of the river valley; determination of plans for drainage of 13,000 acres for agricultural purposes, with estimates of cost, to be used in the organization of a district under the State drainage law.....	2,532.68	Advisory and consulting work and special scientific investigations: Determination of the nature and size of projects for which assistance is desired, in order to report their probable cost to the Office of Experiment Station and prepare plans for surveys; collecting data on current drainage practice and progress; examinations of localities where drainage improvements are contemplated and giving advice to communities regarding the organization and means required for such work, with explanations of the methods and results of the investigations of the department; assistance to engineers and commissioners of drainage districts in perfecting their plans for the drainage work; determination of the most practicable methods of draining peat and turf lands and subsequent treatment necessary to fit them for cultivation; investigation of various types of excavating and dredging machinery, to obtain cost data, compare efficiency, and ascertain the most practicable machinery to use under certain conditions; collection of data for use in connection with the adoption of a uniform method of assessing drainage benefits in arid regions; collection of data on the most efficient methods to pursue in drainage of irrigated lands, and compilation and publication of this information in both popular and technical form; collection of information on land drainage methods in foreign countries, including the operative laws, costs of the work, and results obtained and preparation of a report of same.....	9,810.15
Washington: General drainage investigations and advice to landowners; determination of the best method of draining lands in Yakima Valley once profitably cultivated under irrigation, but now unfit for use on account of water-logging or from the accumulation of alkali; determination of water table after construction of underdrains in Moxee Valley and of flow of water through soil; cooperation with and advice to officials in Walla Walla County in preparation of plans for the drainage of same; assistance to officials in Pierce County in the preparation of plans for the drainage of about 2,000 acres of land. It is especially desired that permanent drainage be effected, the district being the first in Pierce County and the land being very valuable for trucking purposes.....	2,341.97	Total.....	97,500.88
West Virginia: Preparation of plans for the installation of an experimental tile-drainage system on 125 acres of lowlands along Green Briar Creek.....	161.73		
Wyoming: General drainage investigations and advice to landowners; collection of information regarding best methods for removing from irrigated lands excessive accumulations of water and alkali; rendering			

OFFICE OF PUBLIC ROADS.

Statement of expenditures for the fiscal year ended June 30, 1913.

Stationery.	Furniture.	Rent.	Telegraph, telephone, and postage.	Freight, express, and drayage.	Furnishing of heat, light, power, and electricity.	Forage and other supplies for animals, when purchased in bulk.	Fuel.	Miscellaneous.		Total.	
								Supplies, services, etc.	Specified items not otherwise classified.		
\$2,197.68	\$1,365.57	\$376.34	\$519.79	\$539.98				\$1,298.15		\$22,681.19	1
	132.80									37,381.43	2
100.50	33.00							5.25		74,345.36	3
				1,194.87			\$25.06	26,993.95		27,108.82	4
										30,637.22	5
										24.35	6
2,298.18	1,531.37	376.34	519.79	1,734.85			25.06	28,297.35		192,178.37	

## PROJECT STATEMENTS.

## ADMINISTRATION AND OVERHEAD EXPENSES.

Total expenditure as above.....	\$22,681.19
Outstanding liabilities, Aug. 31 (estimated).....	453.39
Unexpended balance (estimated).....	152.71

Total allotment..... 23,287.29

Distributed among the several subactivities approximately as follows:

Office of the director: This project covers the general administration of the business affairs of the office; a general direction of all its investigational activities..... \$23,134.58

## ROAD-MANAGEMENT INVESTIGATIONS.

Total expenditure as above.....	\$37,381.43
Outstanding liabilities, Aug. 31 (estimated).....	688.59
Unexpended balance (estimated).....	278.03

Total allotment..... 38,347.97

Distributed among the several subactivities approximately as follows:

General statistical and research investigations: The object of this work is to determine nation-wide figures of mileage of roads; costs of construction, repair, and maintenance; bond issues by States, counties, and subdivisions thereof; costs of hauling; expenditures by State highway commissions under various subheads; the formation of associations for highway improvement; and the general highway movement of the country..... \$15,075.12

Experimental maintenance: Determination of the best methods of maintenance of natural soil, macadam, bituminous macadam, concrete, and brick highways..... 1,405.26

Economic study of highway systems: Work has been carried forward in 10 counties for from 1 to 4 years, having for its object the determination of the economic value of highways improved simultaneously as a system and to demonstration of the effectiveness of the bond issue for highway improvement..... 2,639.47

Traffic census: The object of taking a traffic census upon highways is to determine the economic value of the highways as well as to determine the type of road which should be built..... 1,873.68

Lectures and demonstration of road and bridge models: The demand for lectures and demonstrations of road and bridge models by representatives of this office continuously increases. It is found that such work is of great benefit to the local communities in improving their highway management and their types of construction, repair, and maintenance..... 13,696.50

Instruction of students in highway engineering: The object of this work is to increase the supply of men trained in road management. So far, the instruction of students has resulted in an increase of the supply of available highway engineers, many of whom are now holding responsible positions in county and State work, but the services of a considerable percentage of the employees so trained are retained by this office..... 468.02

State index: Establishment of an accurate file of all information obtained from the various operations of the Office of Public Roads throughout the several States, in

order that correspondence may be quickly and effectively handled, particularly where such correspondence calls for extensive data which would otherwise involve a loss of time in preparation..... \$1,171.05

State collaborators: One collaborator is employed in each State to secure immediately any available information concerning highway matters in that State, there being at present 46 States so represented. In most cases the collaborator is connected with the State highway department, where such a department exists. The information furnished by these collaborators is of great value in the preparation of data for lectures as well as for the publications of the department concerning road matters..... 1,740.84

38,069.94

## ROAD BUILDING AND MAINTENANCE INVESTIGATIONS.

Total expenditure as above.....	\$74,345.36
Outstanding liabilities Aug. 31 (estimated).....	851.96
Unexpended balance (estimated).....	1,002.68

76,200.00  
16.01  
76,216.01

Distributed among the several subactivities approximately as follows:

Object-lesson roads: The construction of object-lesson roads constitutes the largest and one of the most important subdivisions of the office work. By placing a man on the work to superintend in detail the construction of a model section of road, principles of construction are demonstrated to the local road officials. The best methods of using local materials; the construction of any desired type of modern road for which local funds are available, whether the materials are local or not; the proper details of construction, such as aligning, grading, crowning, ditching, shaping, and dressing, are demonstrated. The construction of highway bridges and culverts, the laying of proper foundations, the correct handling of concrete, and efficient methods are demonstrated to the county officials. The general object of all of this work is to instruct in the proper use of materials of all kinds, with a view of securing efficient and economical administration of road funds by the local units. During the fiscal year 1913 409,698 square yards of object-lesson roads were constructed, in connection with which a large number of small culverts and bridges were also constructed..... \$22,839.42

County model system: Consists of furnishing assistance to counties entering upon a systematic plan of highway improvement. The immediate object is to devise for the county a complete system of highways which at a minimum economic cost will furnish the best possible means of communication to all parts of the county. This requires the elimination of a large mileage of cross-roads and byroads, and frequently somewhat elaborate studies are required to be made of the local traffic conditions, in order to demonstrate that the system devised will best serve the largest possible percentage of population and area. The general purpose of this work is to direct the expendi-

<p>ture of large local funds, such as the proceeds of bond issues, along proper lines, in order to avoid waste and to secure to the locality the greatest possible good. In connection with the planning of the model system, details of design are also considered, such as type and cross sections of roads, designs for bridges and culverts, study and advice concerning materials to be used and their sources, methods of construction, administration, and maintenance, and, in general, all subjects pertinent to the development of a complete county system of improved roads.....</p>	<p>\$18,271.33</p>	<p>Instruction of students in highway engineering: The broad scope of the general work of this office, involving large problems of highway systems as well as the smallest details of construction, has always made it difficult to secure trained men who can be sent into the field to cover general assignments and for this reason it has been customary for several years to appoint, after examination, graduates of approved engineering schools to be trained during one year in the field work of the office. These men are then retained, if desired, and become valuable assistants or seek employment with the highway organizations of States or counties.....</p>	<p>\$8,007.67</p>
<p>Advice and inspection: The department is constantly being called upon to make inspections and to give special advice in details of road construction, administration, and maintenance. The object of the work is to aid the county in the solution of peculiar road problems. The assistance given has to do with the choice of materials from different sources; the solution of a problem in the adjustment of grades at an important point on a main highway; recommendations for draining a short section of road, which may have been troublesome for years; inspection and general recommendations for a short mileage of roads with reference to its better maintenance, or improvement by realigning or regrading. Frequently this advice has to do with bridges, in which case designs are furnished or the local officials directed to such other sources of advice as may be required. In the Southern States during the past year many of the assignments under this subdivision have been of unusual importance inasmuch as they have had to do with the construction of roads through swamps or other bad locations for distances varying from a few hundred feet to one-half or three-quarters of a mile. In such cases specific advice with the design of the proposed work is supplied.....</p>	<p>11,503.51</p>	<p>Roads and trails in forest reserves: Work under this subdivision, begun late in the fiscal year 1913, is in cooperation with the Forest Service. Advice and inspection is furnished to rangers and those locally in charge of forest reserves regarding the location, construction, and maintenance of roads and trails in the reserves. As many of these reserves have been opened to settlement, this work is becoming increasingly important.....</p>	<p>5,095.79</p>
<p>Superintendence of county roads: The object of this work is to demonstrate to counties making the necessary application better methods than those customarily employed by the county officials in administering their road funds. In rural communities having a large mileage of roads and comparatively small annual revenues it is a very serious problem to secure efficient organization and management in road construction and maintenance. On certain conditions the office will assign an engineer or superintendent of construction practically to administer the road funds of the county during the working season, with the view of demonstrating in detail the best and most effective method of using the annual county-road funds.....</p>	<p>5,095.79</p>	<p>Total expenditure as above.....</p>	<p>\$27,108.82</p>
<p>Road surveys: The road laws of many States now require or permit contract work. As the type of construction advances the county road forces are not competent to execute actual construction and contracting is resorted to. In a great many cases counties do not recognize the use and fail to see the economy of having this contract work done according to properly established lines and grades. The object of this work is to provide complete surveys for limited sections of road, with a view of their construction by contract methods and as an example to counties of the advantage of a county engineer in preparing plans and specifications for road work.....</p>	<p>4,367.82</p>	<p>Outstanding liabilities, Aug. 31 (estimated)..</p>	<p>1,242.19</p>
		<p>Unexpended balance (estimated).....</p>	<p>328.99</p>
			<p>28,680.00</p>
		<p>ROAD-MATERIAL INVESTIGATIONS.</p>	
		<p>Distributed among the several subactivities approximately as follows:</p>	
		<p>Chemical testing and inspection of dust preventives and road binders: Routine chemical testing and inspecting of dust preventives and road binders and materials allied to road construction is for the purpose of determining the relative efficiency of various dust preventives and road binders, including tar, oil, native asphalt preparations, and any other materials which might be used as a dust palliative or as a bonding material for any of the various types of roads. The work is essential also for the purpose of drawing specifications for this class of material.....</p>	<p>\$8,189.24</p>
		<p>Microscopic examination and classification of road-building rocks: Covers the general study of rocks in relation to their adaptability for road construction and maintenance along the lines of classification and determination of chrySTALLINE structure. In addition to this, study of other materials, such as blast-furnace and open-hearth slags, has been carried on for the purpose of determining their value in road work.....</p>	<p>1,108.55</p>
		<p>Bituminous-road materials investigations: Research work has been conducted upon the properties of dust preventives and road binders to determine the qualities of bituminous materials, including investigations on the changes produced in tars on exposure to atmospheric conditions, with the idea of obtaining information as to the changes which take place on long exposure in a road surface; investigations of the effect of air blowing on tar; and a study of the relation between the effects of exposure and results obtained in routine laboratory tests. Other investigations along new lines are contemplated and will be initiated at an early date.....</p>	<p>1,208.50</p>

<p>Standardization of methods of testing bituminous road materials: Investigations along this line are for the purpose of standardizing the methods of testing already in use and to devise new ones, in order to be able to improve existing specifications and determine the relative value of various products. Work upon the distillation tests of tars, the method of determining relative hardness of road binders, and methods of determining the loss at certain temperatures is already under way and will be continued during the coming year. At the present time the methods used in different laboratories vary to a wide extent and with some of the tests in use it is difficult to obtain satisfactory results owing to the crudity of the apparatus or the method of operation.....</p>	\$1, 168. 55	<p>Engineers spend a portion of their time in the laboratories testing road materials for the purpose of familiarizing themselves with the methods of testing, the results obtained, and the value of such results as related to actual construction.....</p>	\$332. 56
<p>Experimental bituminous road construction and maintenance: Cooperation between the laboratory force and the force in the field is essential in order to improve the methods of road construction and maintenance. Accordingly, there have been constructed various sections of road for the investigations of the wearing qualities of bituminous materials when applied by different methods..</p>	1, 120. 33	<p>Physical testing of road-building materials: Covers the physical testing of all materials intended for use in road construction. It is important that road builders in general should obtain information as to the value of various available materials for this work, and this information can only be obtained through laboratory tests.....</p>	10, 849. 94
<p>Instruction of students in highway engineering: The object of this work is to give civil engineer students, highway engineers, and employees of the Office of Public Roads experience in the laboratory testing of non-bituminous road materials. It is important that all those engaged in highway construction should be familiar with the meaning of the various road materials tests, so that they may properly interpret them in their field work. A number of civil engineer students are appointed annually. These men and additional highway en-</p>		<p>Concrete investigations: The object of this activity is to investigate the properties of Portland cement concrete, with special reference to its use in road construction. In order to study the formation of cracks occurring in concrete roadways, so as to be able to design expansion joints more economically, a series of measurements has been started on an experimental concrete roadway constructed by the department at Chevy Chase, Md. This work has been supplemented by a series of laboratory tests to determine the amount of contraction due to drying out of Portland cement concrete. The extensive use within recent years of short span reinforced concrete highway bridges has demonstrated the value of studying stresses produced by loads coming upon them, in order that they may be more economically designed with reference to span, thickness, and percentage of reinforcement. For this purpose a series of laboratory tests have been started on full-sized reinforced concrete slabs. A series of tests has been in progress for some years to determine the properties of concrete to</p>	

## INSECTICIDE AND FUNGICIDE BOARD.

Statement of expenditures for the fiscal year ended June 30, 1913.

Project.	Salaries.			Travel, station, and field expenses.	Equipment.	Apparatus, instruments, and laboratory materials.	
	Statutory.	Lump fund.					Total.
		In Washington.	Out of Washington.				
Enforcement of the insecticide act of 1910.....		\$33, 866. 70	\$9, 414. 45	\$43, 281. 15	\$6, 517. 11	\$1, 553. 70	\$4, 438. 64

## PROJECT STATEMENT.

## ENFORCEMENT OF THE INSECTICIDE ACT.

Total expenditures as above.....	\$62, 544. 73
Outstanding liabilities, Aug. 31 (estimated).....	21, 467. 51
Unexpended balance Aug. 31 (estimated).....	2, 987. 76
<b>Total allotment.....</b>	<b>87, 000. 00</b>
Distributed among the several subactivities approximately as follows:	
Administrative work involved in the enforcement of the insecticide act of 1910.....	\$30, 607. 87
Chemical, microscopic, and bacteriological examination of insecticides and fungicides other than those used on horses, cattle, sheep, swine, and goats.....	30, 117. 42
Testing efficacy of fungicides, and action on vegetation of insecticides and fungicides.....	6, 463. 29
Testing efficacy of insecticides, and action on vegetation of insecticides.....	8, 415. 87
Chemical and bacteriological examination of insecticides and fungicides used on horses, cattle, sheep, swine, or goats, and efficacy tests of same.....	8, 407. 79
<b>Total.....</b>	<b>84, 012. 24</b>

which various amounts of mineral oil have been added. The object of this investigation has been to determine primarily the waterproofing and elastic properties of this oil-mixed concrete with special reference to road construction..... \$2, 217. 10

Nonbituminous road materials investigations: The object of this activity is to develop from time to time by means of laboratory investigations new materials to be used in road construction..... 443. 42

Standardization of tests on nonbituminous road materials: In order that comparable results may be obtained by various laboratories testing nonbituminous road materials, it is essential that these tests be standardized as soon as possible. This work also covers the development of new tests for road materials with a view of making them standard..... 110. 85

Instrument making and repairing: This covers the repair of instruments and testing machines used in the road-material investigations; also the construction of additional apparatus necessary in the work..... 1, 601. 97

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28, 351. 01

FIELD EXPERIMENTS.

Total expenditure as above..... \$30, 637. 22

Outstanding liabilities, Aug. 31 (estimated).. 3, 454. 82

Unexpended balance (estimated)..... 907. 96

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35, 000. 00

Distributed among the several subactivities approximately as follows:

Field experiments: Work under this subdivision has so far been confined to high-class construction, usually in cooperation with

some local administrative unit having funds available for the purpose of demonstrating the best methods of constructing more advanced types of roads and of studying the action of these roads under known conditions of traffic. Inquiries come to the department more and more frequently regarding the exact methods for obtaining the best results in brick, concrete, and bituminous road construction, and to supply this information these field experiments are necessary. Owing to the high cost of the type of roads used in these experiments the data obtained will be valuable to those communities intending to build a high type of road..... \$33, 894. 89

Traction tests: These tests are conducted in connection with experimental road work, to demonstrate the respective resistance of various road surfaces and the relative value of wide and narrow tires. A traction dynamometer, which is run over the road in both directions, is utilized for this purpose. 197. 15

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34, 092. 04

IMPROVING ROADS FOR RURAL DELIVERY SERVICE (POST ROADS).

Total expenditure as above..... \$24. 35

Unexpended balance carried over..... 499, 975. 65

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Total allotment..... 500, 000. 00

The object of this work is to construct improved highways along postal routes for service tests, in cooperation with the Post Office Department, States and counties, for which a special continuing appropriation of \$500,000 has been provided by Congress. Preliminary work has been begun in connection with the construction of a road in Dillon County, South Carolina.

INSECTICIDE AND FUNGICIDE BOARD.

Statement of expenditures for the fiscal year ended June 30, 1913.

Stationery.	Furniture.	Rent.	Telegraph, telephone, and postage.	Freight, express, and drayage.	Furnishing of heat, light, power, and electricity.	Forage and other supplies for animals when purchased in bulk.	Fuel.	Miscellaneous.		Total.
								Supplies, services, etc.	Specified items not otherwise classified.	
\$113. 83	\$993. 86	\$24. 19	\$98. 48	\$822. 94	.....	.....	\$244. 55	\$3, 876. 28	<sup>1</sup> \$580. 00	\$62, 544. 73

<sup>1</sup> For addition to temporary greenhouse.

## EXPENDITURES OF THE DEPARTMENT OF AGRICULTURE.

## FEDERAL HORTICULTURE BOARD.

Statement of expenditures for the fiscal year ended June 30, 1913.

Project.	Salaries.			Travel, station, and field expenses.	Equipment.	Apparatus, instruments, and laboratory materials.	
	Statutory.	Lump fund.					Total.
		In Washington.	Out of Washington.				
Enforcement of the plant-quarantine act .....		\$1,344.05	\$817.09	\$2,161.14	\$1,526.83		

## PROJECT STATEMENT.

## ENFORCEMENT OF THE PLANT QUARANTINE ACT.

Total expenditure as above.....	\$4,524.36
Unexpended balance (available during fiscal year 1914).....	30,475.64
Total allotment.....	35,000.00

Distributed among the several subactivities approximately as follows:

Administration: General direction of inspection and investigation work, issuing of permits, conducting correspondence, etc.

## OFFICE OF MARKETS.

Statement of expenditures for the fiscal year ended June 30, 1913.

Project.	Salaries.			Travel, station, and field expenses.	Equipment.	Apparatus, instruments, and laboratory materials.	
	Statutory.	Lump fund.					Total.
		In Washington.	Out of Washington.				
Marketing and distributing farm products.....		\$300.00		\$300.00			

## PROJECT STATEMENT.

Total expenditure.....	\$300.00
Unexpended balance (available during fiscal year 1914).....	9,700.00
Total allotment.....	10,000.00

The above expenditure is all for administration. The Office of Markets having been established only a short time before the close of the fiscal year 1913, investigational work was not started during that year.



APPROPRIATIONS UNDER THE WEEKS FORESTRY LAW (ACT APPROVED MAR. 1, 1911).

Statement of expenditures for the fiscal year ended June 30, 1913.

Project.	Salaries.			Travel, station, and field expenses.	Equipment.	Apparatus, instruments, and laboratory materials.	
	Statutory.	Lump fund.					Total.
		In Washington.	Out of Washington.				
1 National Forest Reservation Commission.....				\$267.68			
Acquisition of lands:							
2 Forest Service.....		\$80,414.06	\$80,414.06	30,196.62	\$8,489.13		
3 Geological Survey.....		5,331.94	5,331.94	663.10	592.77		
4 Solicitor's Office.....		14,964.64	14,964.64	6,113.84			
5 Purchase of lands.....				133.40			
6 Cooperative fire protection.....		53,247.82	53,247.82	9.20			
Total.....		153,958.46	153,958.46	37,383.84	9,081.90		

PROJECT STATEMENTS.

NATIONAL FOREST RESERVATION COMMISSION.

Total expenditure as above.....	\$933.56
Outstanding liabilities, Aug. 31 (estimated)...	237.45
Unexpended balance (estimated).....	23,828.99

Total appropriation..... 25,000.00

National Forest Reservation Commission: This commission, consisting of the Secretary of War, the Secretary of the Interior, the Secretary of Agriculture, two members of the Senate, and two members of the House of Representatives, considers and passes upon such lands as are recommended for purchase as provided in section 6 of the Weeks forestry law (act approved Mar. 1, 1911) and fixes the price or prices at which such lands may be purchased..... \$1,171.01

ACQUISITION OF LANDS FOR PROTECTION OF WATERSHEDS OF NAVIGABLE STREAMS.

Total expenditure as above.....	\$884,309.95
Unexpended balance June 30, 1913 (available for further disbursement).....	3,002,563.26

Total available July 1, 1912..... 3,886,873.21

Distributed among the several subactivities approximately as follows:

Forest Service: As provided in section 6 of the Weeks forestry law, the Forest Service, by direction of the Secretary of Agriculture, examines, locates, and recommends for purchase such lands as in the judgment of the

secretary may be necessary to the regulation of the flow of navigable streams, reporting to the National Forest Reservation Commission the results of such examinations..... \$131,576.22

Geological Survey: Before any lands are purchased by the National Forest Reservation Commission the lands are examined by the Geological Survey, as provided in section 6 of the Weeks forestry law, and a report is made to the Secretary of Agriculture showing that the control of the lands will promote or protect the navigation of streams on whose watersheds the lands lie..... 7,324.63

Solicitor's Office: As provided in section 8 of the Weeks forestry law, the Solicitor's Office of the Department of Agriculture, by direction of the Secretary of Agriculture, makes all the necessary examinations of title records to secure the safe title in the United States to the lands to be acquired under this law, no payment being made, however, until the title is satisfactory to and approved by the Attorney General and vested in the United States..... 21,409.35

Purchase of lands: During the fiscal year ended June 30, 1913, the payments for the actual purchase of lands acquired under the Weeks forestry law amounted to \$723,687.36, in addition to payments of \$178.99 for options and \$133.40 for traveling expenses in connection with payments that could not be made from Washington; a total of..... 723,999.75

APPROPRIATIONS UNDER THE WEEKS FORESTRY LAW (ACT APPROVED MAR. 1, 1911).

Statement of expenditures for the fiscal year ended June 30, 1913.

Stationery.	Furniture.	Rent.	Telegraph, telephone, and postage.	Freight, express, and drayage.	Furnishing of heat, light, power, and electricity.	Forage and other supplies for animals when purchased in bulk.	Fuel.	Miscellaneous.		Total.	
								Supplies, services, etc.	Specified items not otherwise classified.		
	\$307.50		\$0.53					\$357.85		\$933.56	1
\$23.48	862.13		100.07	\$416.72		\$117.68		10,956.33		131,576.22	2
19.65			23.80	45.98			\$12.00	635.39		7,324.63	3
		\$67.50		21.97				241.40		21,409.35	4
									\$723,866.35	723,999.75	5
										53,257.02	6
43.13	1,169.63	67.50	124.40	484.67		117.68	12.00	12,190.97	723,866.35	938,500.53	

<sup>1</sup> Lands, \$723,687.36; options, \$178.99.

COOPERATIVE FIRE PROTECTION OF FORESTED WATERSHEDS OF NAVIGABLE STREAMS.

Total expenditure as above.....	\$53,257.02
Unexpended balance, June 30, 1913 (available for further disbursement).....	101,809.45
Total available July 1, 1912.....	155,066.47

As provided in section 2 of the Weeks forestry law (act approved Mar. 1, 1911), the Secretary of Agriculture cooperates with any State or group of States desiring such cooperation in the protection from fire of forest-

ed watersheds of navigable streams, by entering into a contract with the cooperating State for the organization and maintenance of a system of fire protection on any private or State forest lands within such State and situated upon the watershed of a navigable river. During the fiscal year ended June 30, 1913, such cooperative agreements were in force with the States of Maine, New Hampshire, Vermont, Massachusetts, Connecticut, New York, New Jersey, Maryland, Wisconsin, Minnesota, Montana, Idaho, Oregon, and Washington.....

\$53,257.02

RECAPITULATION OF THE SEVERAL APPROPRIATIONS FOR THE DEPARTMENT OF AGRICULTURE.

The total expenses for the Department of Agriculture for the fiscal year ended June 30, 1913, were \$18,603,605.23, under date of August 31, 1913, of which amount \$18,261,307.83 was paid and \$342,297.39 outstanding. The payments were classified as follows:

Statutory salaries.....	\$4,358,636.01
Lump-fund salaries:	
In Washington.....	1,410,804.30
Out of Washington.....	7,068,957.71
Travel, station, and field expenses.....	1,310,873.88
Equipment, including live stock, farm machinery, and tools, etc.....	493,276.55
Apparatus, instruments, and laboratory materials.....	219,584.51
Stationery.....	198,095.44
Furniture.....	70,766.27
Rent.....	322,357.75
Telegraph, telephone, and postage.....	280,528.68
Freight, express, and drayage.....	177,832.08

Furnishing heat, light, power, and electricity.....	\$30,120.03
Forage.....	152,007.48
Fuel.....	40,155.14
Land, including acquisition for protection of watersheds of navigable streams.....	735,740.05
Miscellaneous supplies and services, including temporary and emergency services, subsistence of laborers, cleaning and toilet supplies, advertising, mechanics' supplies, printing, and purchase of seeds.....	1,391,571.95
Total.....	18,261,307.83
Total appropriation for Department of Agriculture.....	24,479,908.68
Appropriation for printing and binding (sundry civil bill).....	475,000.00
Grand total.....	24,954,908.68

