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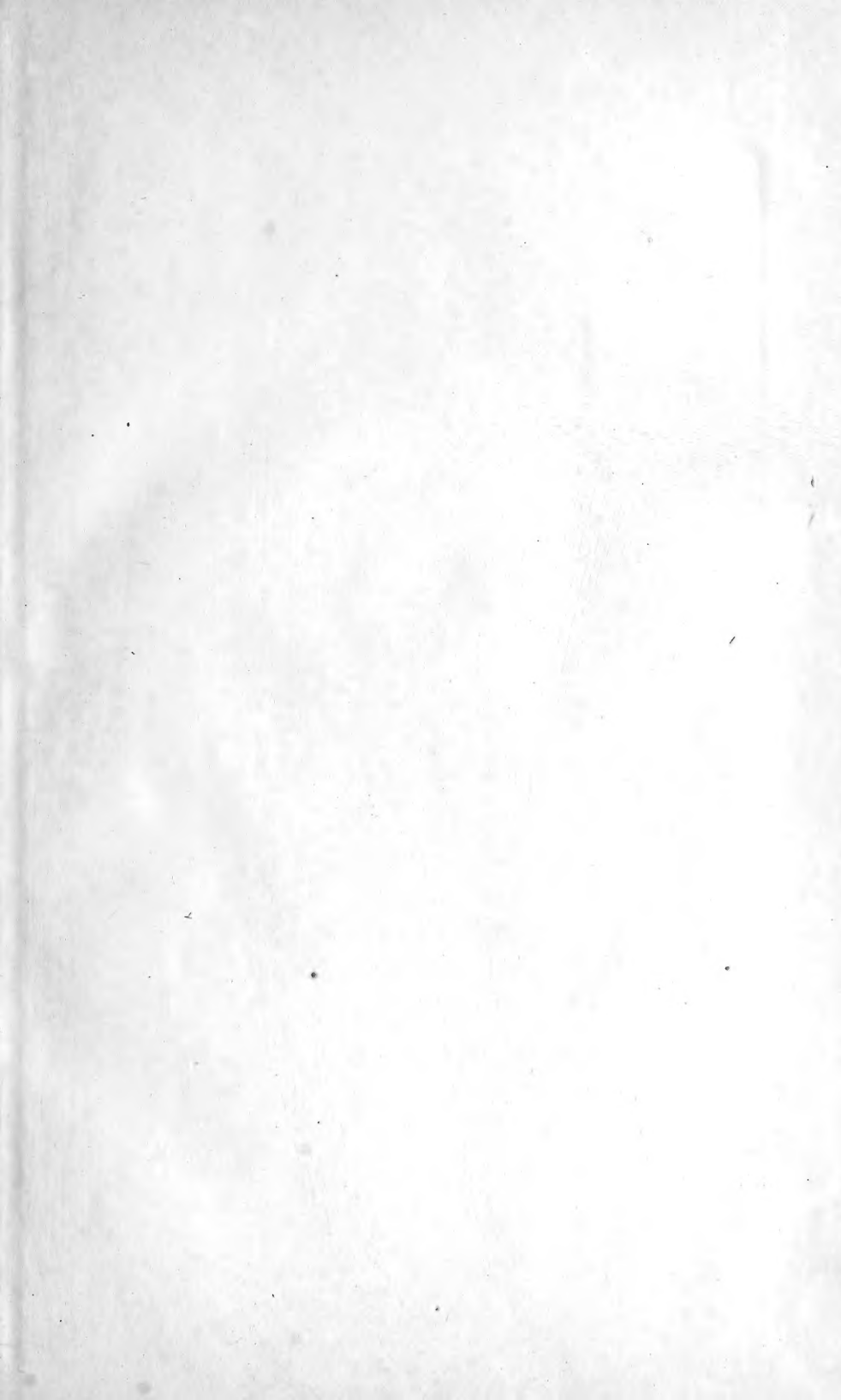
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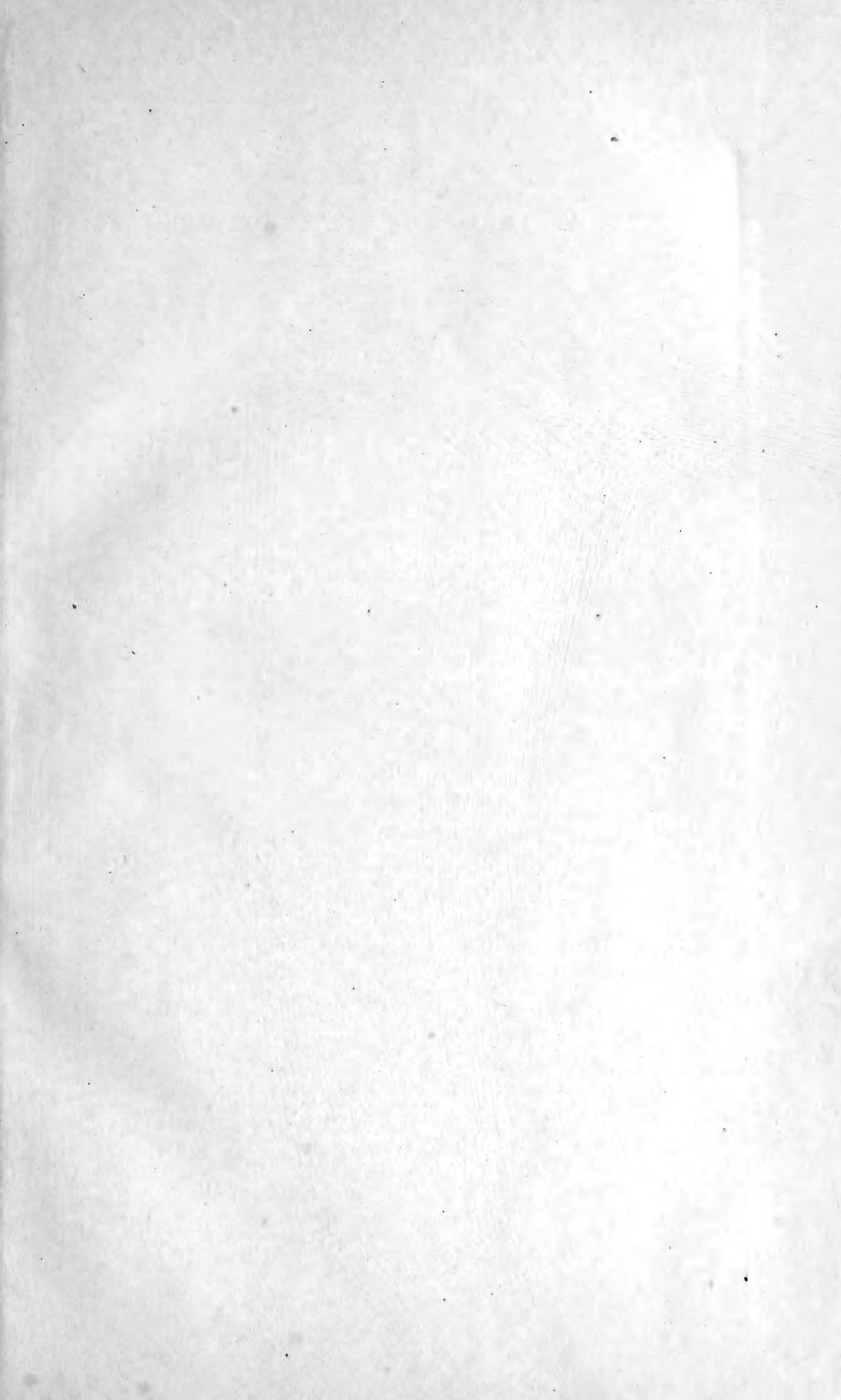
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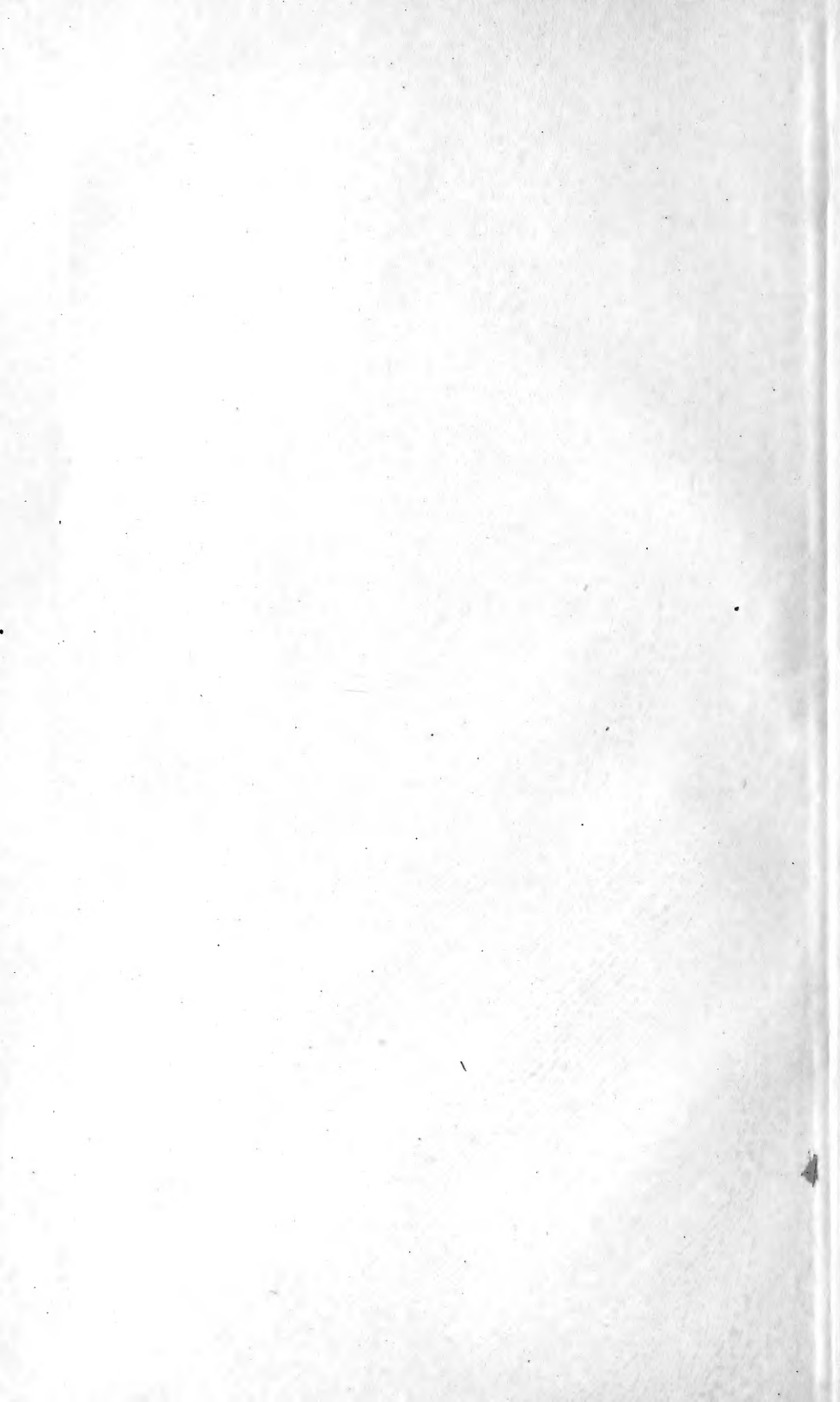
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EXPENDITURES FOR NATIONAL FOREST ADMINISTRATION.

LETTER

FROM

THE SECRETARY OF AGRICULTURE,

TRANSMITTING,

PURSUANT TO PROVISION IN AGRICULTURAL APPROPRIATION BILL, APPROVED MARCH 4, 1911, STATEMENT OF EXPENDITURES FOR NATIONAL FOREST ADMINISTRATION, ETC.

APRIL 5, 1912.—Referred to the Committee on Agriculture and ordered to be printed, with illustration.

U. S. DEPARTMENT OF AGRICULTURE,
OFFICE OF THE SECRETARY,
Washington, D. C., April 1, 1912.

SIR: The statement transmitted herewith presents, as nearly as the records make possible, the information called for by one of the provisions of the agricultural appropriation act of March 4, 1911. The assembling of this information has entailed a line-by-line analysis of some 165,000 vouchers, covering the disbursement of over \$16,000,000. One result is to show that the net cost of the national forests to the Government for the six years from 1905 to 1910, inclusive, was a little less than \$3,200,000, or about \$530,000 per year. The amount of the cost is reached by deducting from the gross expenditures for national-forest administration, protection, and improvement (including all overhead charges) the value of all improvements and property on hand and the receipts from the forests during the period.

Since the statement is necessarily detailed, a brief summary presentation of the salient facts regarding expenditures is desirable. The information called for with regard to them may be classified under the following headings:

- (1) Compensation of employees.
- (2) Expenditures for travel.
- (3) Payments of freight, express, telegraph, and telephone charges.
- (4) Payments for purchases.
- (5) Payments for rent.

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COMPENSATION OF EMPLOYEES.

Regarding the compensation of employees information is called for along three separate lines, namely, according to (a) official position, (b) character of employment, and (c) place of employment.

With regard to official position the act specifies that there shall be shown—

all expenditures made each fiscal year * * * for salaries and other compensation of inspectors, forest supervisors, deputy forest rangers, assistant forest rangers, stating the number of each class.

Presumably the purpose was to ascertain the amounts paid to forest officers of all grades. The positions named, however, do not form a complete list of the forest force. The total salary expenditures for all national forest positions during the five years and seven months after the forests were transferred to the Department of Agriculture totaled \$6,891,977.42.

With regard to the character of the employment the act calls for a statement of expenditures (a) "for part time force to meet emergencies in extinguishing forest fires," (b) "for compensation of persons engaged in writing descriptive or other matter for publication," and (c) "for lecturers." Concerning expenditures under the second and third heads it need only be said here that the cost of all work chargeable under these heads was relatively small and the general line followed in diffusing information not materially different in character from that of other bureaus.

Concerning the expenditures "for part time force" it should be pointed out that, as shown on Sheet 1, temporary labor is employed not only for fire fighting, but also in improvement work and for miscellaneous purposes. The item "temporary labor—miscellaneous" includes some labor not employed upon the forests; but the total disbursements for temporary labor employed in connection with the national forest work may be put at approximately \$1,100,000. This amount, added to the salary expenditures for the regular forest force already reported, makes the total disbursed in salaries and wages for work on the forests approximately \$8,000,000.

To obtain the administrative salary cost of the national forest work outside of Washington (except for salaries of men who, as explained below, are officially stationed at Washington but are employed largely in the field), there should be added the salaries paid to persons connected with the district offices. The total district salary expenditures were \$553,151.25, which gives a total, in round numbers, of \$8,500,000 paid out in salaries to persons employed in national forest work outside of Washington.

With regard to place of employment, the act calls for a statement of expenditures "for statutory and lump-fund salaries of officers and clerks * * * in the city of Washington" and "for salaries" and "clerk hire * * * in connection with the conduct of the Forest Service outside of the city of Washington." The statement shows a total expenditure for salaries and wages in Washington of \$2,469,099.51, and for salaries and wages out of Washington of \$9,523,929.38. It should be pointed out, however, that the compensation paid to employees in the city of Washington is often for work performed outside of the city of Washington. Both in the administrative and in the investigative work of the Forest Service men whose official station is

Washington, and who are therefore recorded as paid in Washington, are actually employed in the field during a large part of each year; but it is not possible to segregate the amounts of salary paid them while employed in the field, so as to show what part of the total payment was actually made for services rendered in Washington. In other words, a considerable fraction of the approximately \$2,500,000 shown as paid in Washington was compensation for field work, either investigative or supervision, and inspection of the work on the national forests.

EXPENDITURES FOR TRAVEL.

The expenditures for travel include all charges for transportation and subsistence of men on field trips, whether in connection with national forest administrative work, inspection, or investigative studies. In the years prior to the transfer of the national forests the travel expenditures ranged from 22.14 per cent to 13.71 per cent of the total yearly expenditures. For the years 1905 to 1910, inclusive, the percentage spent for travel ranged from 11.54 per cent in 1905 to 6.56 per cent in 1910. The total spent in the entire 11 years was a little less than \$1,350,000, or 8.07 per cent of the total expenditures.

FREIGHT, EXPRESS, TELEGRAPH, AND TELEPHONE CHARGES.

The total expenditures for freight, express, telegraph, and telephone charges were as follows:

Freight and drayage.....	\$215, 763. 07
Express.....	37, 045. 36
Telegraph.....	31, 725. 49
Telephone.....	34, 619. 39

PURCHASES.

The act calls for information with regard to purchases by years as follows:

For * * * all other expenditures made for the conduct of the bureau in the city of Washington, including * * * fuel, stationery, furniture, furnishings, typewriters, giving the number purchased; miscellaneous supplies, giving classification of same; for * * * miscellaneous supplies, giving classification thereof; office supplies, and all other expenditures made in connection with the conduct of the Forest Service outside of the city of Washington; for photographs, lantern slides, lecture equipment.

The statement shows expenditures for purchases as follows:

	Amount.	Percentage of total expenditures.
Stationery.....	\$139, 372. 18	0. 83
Printed matter purchased.....	57, 633. 94	. 35
Furniture and furnishings.....	170, 771. 10	1. 02
Photographic supplies and equipment.....	42, 095. 02	. 25
Office supplies.....	238, 064. 50	1. 43
Laboratory supplies.....	17, 731. 05	. 11
Instruments.....	205, 467. 60	1. 23
Building materials.....	598, 476. 50	3. 58
Field equipment, etc.....	366, 555. 36	2. 19
Miscellaneous purchases.....	456, 693. 33	2. 73
Total.....	2, 292, 860. 58	13. 72

Pages 12 and 15 classify these and other expenditures between "in Washington" and "out of Washington." It should be noted, however, that a part of the purchases in Washington were of material for field use, including use in the districts and on the national forests. Of the above expenditures for purchases \$1,524,588.09 are recorded as "out of Washington."

RENT.

The expenditures for rent during the 11 years totaled \$329,840.43, or 1.98 per cent of all expenditures. Of this amount, \$145,274.34 was for rent in Washington and \$184,566.09 for rent out of Washington.

TOTAL EXPENDITURES IN WASHINGTON AND OUT OF WASHINGTON.

The statement shows all expenditures (without deductions for repayments) divided as follows:

In Washington.....	\$3, 292, 937. 62
Out of Washington.....	13, 126, 605. 45
In and out of Washington ¹	284, 533. 92
Total.....	16, 704, 076. 99

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

Very respectfully,

JAMES WILSON, *Secretary.*

The SPEAKER OF THE HOUSE OF REPRESENTATIVES.

¹ Freight and drayage, express, and telegraph charges on goods shipped or messages sent from or to Washington.

EXPENDITURES FOR NATIONAL FOREST ADMINISTRATION.

I. Classified summary of expenditures, fiscal years beginning July 1, 1899, and ending June 30, 1910—Continued.

	Division of Forestry.				Bureau of Forestry.					Forest Service.					Total.		
	1900	1901	1902	1903	1904	1905	1906	1907	1908	1909	1910						
SALARIES AND WAGES—contd.																	
Stationery—Continued.																	
Pencils.....	\$0.05		\$133.98	\$98.87	\$188.73	\$196.59	\$444.80	\$1,354.02	\$3,561.93	\$2,102.31	\$1,488.78						\$9,545.15
Penracks and penholders.....				14.40	23.04	56.21	67.42	61.55	96.36	262.37	262.37						690.20
Pens, steel.....			48.27	46.86	87.83	123.16	270.83	478.74	1,455.45	909.89	233.83						3,684.96
Twine.....		.05	7.35	15.90	11.83	58.44	17.25	209.64	671.28	1,370.95	64.75						2,427.55
Miscellaneous.....					17.43	41.40	44.25	16.77	8.50	270.79	377.62						776.76
Total.....	27.15	189.84	1,198.77	1,812.10	2,098.21	4,850.88	7,961.71	20,897.86	42,769.97	35,177.87	22,387.82						139,372.18
Percentage of total expenditures.....	0.0006	0.0022	0.0066	0.0064	0.0060	0.0076	0.0067	0.0115	0.0124	0.0089	0.0048						0.0053
Printed matter:																	
Law books.....						\$123.00		\$332.50	\$514.80	\$519.30	\$533.08						\$2,022.68
Maps, charts, etc.....			\$49.15	\$245.05	\$231.61	1,141.72	\$256.19	1,367.92	11,423.59	18,951.99	12,657.31						46,324.53
Periodicals.....				3.15				6.93	462.28	537.60	1,799.28						3,716.30
Technical works on forestry.....	\$2.50						11.49	879.17	442.61	943.09	1,437.44						3,771.15
Miscellaneous books.....				4.15	35.00	69.75	130.00	434.67	1,123.65	922.65	1,051.43						
Total.....	2.50		49.15	252.35	266.61	1,334.47	397.74	3,021.19	13,966.93	21,874.42	16,468.58						57,633.94
Percentage of total expenditures.....	0.0001		0.0003	0.0009	0.0008	0.0021	0.0003	0.0017	0.0040	0.0055	0.0035						0.0035
Furniture and furnishings:																	
Bookcases.....			\$41.50	\$40.16	\$32.35	\$107.50	\$896.53	\$3,036.72	\$998.75	\$2,394.81	\$177.33						\$7,725.55
Chairs.....		\$9.60	259.25	188.23	388.83	975.76	825.71	1,637.64	3,801.87	1,992.12	6,363.98						16,442.59
Clocks.....				25.00	56.00	25.00	46.10	57.95	178.90	56.69	55.26						500.90
Cupboards.....			2.45	7.01	47.70	6.59	35.18	90.97	278.26	199.80	100.93						708.89
Desks, office.....		56.40	1,092.50	250.67	1,060.01	1,013.67	1,359.40	89.25	1,172.52	156.80	129.50						6,380.72
Desks, typewriter.....			154.61	378.00	173.95	1,108.51	341.82	279.25	475.60	380.78	113.75						3,339.80
Fans, electric.....			180.11	288.60	143.00	97.65	276.65	133.10	764.00	622.95	833.74						3,339.80
Filing cases.....			2,052.35	1,458.99	1,383.22	8,005.24	5,834.13	8,438.99	26,111.14	7,055.70	20,370.85						81,222.56
Fly screens.....		\$146.75	102.75		4.95	3.50	11.89	45.97	177.00	441.73	906.88						1,694.68
Linoform and carpets.....			165.40		319.57	881.67	337.60	573.89	2,494.11	2,565.39	3,061.49						10,410.12
Mirrors.....		3.00	60.00	137.85		47.89	169.20	61.68	164.91	50.17	24.30						568.40
Safes and steel filing cases.....				242.00		828.85		911.50	1,791.00	1,215.50	2,148.90						7,276.95
Shades, window and awnings.....			64.00	109.67	90.80	105.30	191.86	322.81	365.68	767.07	1,099.67						3,116.86

EXPENDITURES FOR NATIONAL FOREST ADMINISTRATION.

Stands, typewriter.....	20.00	6.00	.....	348.15	5.00	102.60	43.00	571.08	871.05	460.00	3,410.70	5,550.03
Tables.....	20.55	12.50	.....	.....	157.12	82.00	200.94	1,563.82	5,701.23	2,123.82	3,984.23	14,203.36
Wardrobes and costumes.....	.....	.....	.....	.....	42.30	72.20	111.00	32.75	.....	73.55	517.73	.....
Water coolers and glasses.....	.....	.....	.....	.....	38.08	42.71	.....	30.82	151.82	171.68	93.62	622.34
Miscellaneous, including re- pairs.....	18.60	61.84	223.46	103.90	404.16	523.93	451.66	484.31	1,649.60	1,309.90	1,671.39	6,962.75
Total.....	105.35	545.29	4,417.89	3,645.23	4,347.54	14,150.87	11,246.48	18,353.10	47,117.44	22,038.46	44,743.46	170,771.10
Percentage of total ex- penditures.....	0.0034	0.0052	0.0242	0.0128	0.0125	0.0221	0.0095	0.0101	0.0137	0.0456	0.0095	0.0102
Photographic supplies and equipment:												
Cardboard for mounting.....	\$39.14	\$101.99	\$130.28	\$85.41	\$62.99	\$138.52	\$25.70	\$352.53	\$701.74	\$1,172.04	\$470.87	\$3,350.21
Chemicals.....	38.45	256.40	188.22	308.82	489.89	810.75	122.64	127.97	1,700.12	510.65	1,043.42	5,439.12
Developing paper.....	72.72	173.40	283.21	417.93	837.53	750.54	601.18	1,463.32	1,700.25	4,033.36	1,284.45	10,448.67
Films and plates.....	424.22	977.73	1,117.77	1,394.80	1,236.61	828.71	984.44	1,111.78	707.25	1,493.66	982.41	10,099.08
Glass, ground and plain.....	40.90	52.14	10.60	22.45	230.00	348.44	384.86	348.00	494.74	229.47	191.76	2,488.07
Miscellaneous supplies.....	73.00	55.35	8.00	58.59	230.82	171.60	384.84	340.92	1,062.58	1,288.66	4,669.21	2,288.66
Miscellaneous equipment.....	53.00	313.60	153.92	406.28	831.67	410.58	414.45	298.91	205.41	1,051.95	1,230.89	5,390.66
Total.....	702.03	1,991.61	1,901.00	2,741.28	4,318.08	2,917.04	3,590.82	3,638.32	5,051.54	9,310.61	5,929.69	42,095.02
Percentage of total ex- penditures.....	0.0144	0.0226	0.0104	0.0096	0.0124	0.0046	0.0030	0.0020	0.0015	0.0024	0.0013	0.0025
Office supplies:												
Baskets.....	.....	.....	\$32.22	\$2.40	\$7.37	\$26.94	\$115.40	\$154.03	\$70.28	\$304.35	\$155.73	\$1,138.72
Calendars.....	.....	.....	19.28	398.35	85.46	526.05	2,444.24	1,796.38	6,555.11	814.33	635.26	1,641.42
Cards, index.....	\$31.38	\$604.04	.....	.....	.....	.....	314.14	1,550.93	3,838.40	2,470.76	1,043.22	19,723.80
Cases, transfer.....	.90	15.49	15.00	25.35	9.67	19.20	.....	.....	.....	.....	1,540.77	9,800.61
Comptometers, adding, and numbering machines.....	.....	.....	33.90	392.40	695.26	940.10	1,089.44	605.50	3,596.59	2,361.96	2,398.46	12,572.36
Crayons.....	.....	.....	27.15	44.40	16.91	72.17	214.73	543.30	3,342.85	564.26	8.55	4,839.32
Cups, sponge, glass.....	.....	.....	1.32	.....	2.40	4.30	16.00	17.90	42.95	24.70	22.58	132.15
Files.....	.....	.....	.....	16.95	5.30	59.95	87.00	1,324.70	108.05	108.05	65.00	1,757.34
Folders.....	.....	.....	8.50	.....	5.65	8.60	120.73	956.00	2,652.76	1,057.41	362.75	5,193.50
Holders and binders.....	.....	.....	108.45	131.37	70.20	687.94	531.35	1,617.50	2,199.60	3,202.57	1,104.86	9,683.84
Inkboxes.....	.....	.....	30.10	17.92	73.00	65.50	299.48	43.52	1,981.02	1,081.28	61.63	3,086.95
Ink wells.....	.....	.....	12.47	7.15	28.10	1.25	48.63	43.05	59.52	.....	40.70	3,323.32
Paper fasteners.....	.....	.....	38.85	111.07	110.19	172.64	219.25	409.25	1,211.20	1,822.52	1,090.67	5,187.14
Paper weights.....	.....	.....	.....	45.25	28.00	38.50	240.75	34.80	108.00	73.03	1,216.43	2,216.43
Pens, fountain.....	.....	.....	1.95	.....	.....	.....	.....	.....	.....	.....	1,913.39	6,333.35
Tags.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	13.05	834.38
Tracing cloth, printing.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Tubes, and drawing paper.....	.....	.....	73.40	102.84	151.06	749.54	1,229.36	3,211.72	5,526.47	4,127.28	2,446.31	17,655.78
Tubes, mailing.....	4.00	12.75	.....	5.50	13.50	40.18	138.35	50.10	305.30	459.22	179.15	1,905.46
Typewriters.....	73.00	423.75	933.75	1,543.25	1,178.50	6,084.00	6,023.42	9,220.30	25,184.00	11,977.53	26,397.70	89,063.40
	1 (1)	1 (6)	1 (12)	1 (19)	1 (14)	1 (80)	1 (85)	1 (140)	1 (338)	1 (100)	1 (343)	1 (1,202)

1 Number of typewriters purchased.

I. Classified summary of expenditures, fiscal years beginning July 1, 1899, and ending June 30, 1910—Continued.

	Division of Forestry.					Bureau of Forestry.					Forest Service.					Total.
	1900	1901	1902	1903	1904	1905	1906	1907	1908	1909	1910					
SALARIES AND WAGES—contd.																
Office supplies—Continued.																
Type-writer parts and repairs																
Miscellaneous	\$15.60	\$19.50	\$95.77	\$123.85	\$226.07	\$348.55	\$489.56	\$1,457.73	\$2,376.04	\$3,225.65	\$3,039.85	\$11,417.57				
Mimeographs and duplicating machine	29.62	37.84	335.82	372.15	410.08	564.36	1,278.43	3,746.54	8,546.05	7,352.39	5,780.43	28,465.31				
Graphophones and phonographs										742.41	705.50	1,447.91				
Stamps, dies, pads										485.12	442.70	2,582.35				
									1,486.34	907.21	639.05	3,032.60				
Total	233.90	923.07	1,999.58	3,340.20	3,473.92	10,409.77	14,921.01	26,039.63	75,053.16	50,418.14	50,652.12	238,064.50				
Percentage of total expenditures	0.0048	0.0105	0.0109	0.0117	0.0099	0.0162	0.0126	0.0146	0.0217	0.0128	0.0108	0.0143				
Laboratory supplies:																
Chemicals	\$6.77	\$28.31	\$7.50	\$98.71	\$71.65	\$265.57	\$309.01	\$1,261.95	\$1,254.39	\$1,203.09	\$2,042.54	\$6,009.40				
Glassware	2.02	5.90	12.40	89.61	59.61	160.65	28.87	235.27	564.58	259.57	291.13	1,709.71				
Specimens	10.00		34.00	285.78	79.96	23.10	8.65			5.27	123.90	570.64				
Miscellaneous		3.24	379.86	175.87	159.54	468.08	266.08	826.38	2,186.39	922.54	3,453.23	8,841.21				
Total	18.79	37.45	433.76	649.97	370.76	917.40	612.71	2,323.60	4,005.36	2,450.45	5,910.80	17,731.05				
Percentage of total expenditures	0.0004	0.0004	0.0023	0.0023	0.0011	0.0014	0.0005	0.0013	0.0012	0.0006	0.0012	0.0011				
Instruments:																
Alidades:																
Barometers and thermometers	\$91.20	\$90.30	\$301.50	\$330.46	\$224.34	\$2,250.00			\$548.00			\$2,798.00				
Binoculars and magnifying glasses and lenses	136.55	77.19	1,484.07	802.97	498.35	678.25	1,088.98	588.23	2,681.03	582.07	3,371.48	11,989.77				
Calipers	217.50	126.00	1,004.15	389.30	169.05	389.75	609.08	3,950.65	6.30	6.30	170.00	7,131.78				
Cameras	215.02	425.50	1,082.43	1,356.60	570.21	1,590.85	232.45	1,087.35	2,728.91	977.52	479.35	10,796.19				
Chains, surveyor's	74.80	90.10	102.00	561.00		141.80	834.25	3,060.00	241.20	938.47	6,306.04	26,898.83				
Compasses, surveyor's	33.10	320.30	320.30	205.25	128.00	925.10	787.75	1,495.78	11,179.00	5,472.20	6,398.55	8,747.15				
Compasses, pocket	83	57.60	81.80	246.20	321.32	383.45	1,963.05	3,008.55	1,719.15	311.20	1,065.50	9,650.96				
Drafting tools	69.21	29.57	191.77	179.36	254.32	515.25	1,381.59	1,074.08	3,169.28	1,508.72	1,477.39	2,605.00				
Hypsometers and altimeters		98.22	434.90	610.00		57.75	106.12	103.25	17.80	444.00	206.25	2,486.26				
Levels		20.45	18.00	25.00	33.50		30.09	350.18	1,373.20	346.39	231.70					

Machinery, pumps, etc.	66,842.1	22,748.37	16,102.94	2,267.58	4,704.00	2,766.16	2,367.58	16,102.94	66,842.1
Planimeters	2,020.42	228.75	219.45	562.00	219.05	219.05	562.00	219.45	2,020.42
Rulers	393.50	4,131.78	266.04	736.00	1,183.03	1,183.03	736.00	266.04	393.50
Tally registers	1,151.18	447.50	.....	14.00	605.36	.....	14.00	.....	1,151.18
Tapes	7,540.79	833.45	828.80	3,046.24	578.00	522.10	3,046.24	828.80	7,540.79
Traveling boards and drawing boards	5,163.04	751.96	540.52	1,266.02	219.85	297.04	1,266.02	540.52	5,163.04
Tripods	3,679.03	1,486.93	1,720.03	1,457.02	1,321.58	674.05	1,457.02	1,720.03	3,679.03
Miscellaneous and repairs	5,631.55	1,486.93	1,090.99	948.77	340.48	914.05	948.77	1,090.99	5,631.55
Scales and balances	3,312.96	400.32	312.96	835.05	317.01	317.01	835.05	312.96	3,312.96
Transit surveyors	8,812.02	1,156.57	687.65	3,095.93	1,365.12	1,759.20	3,095.93	687.65	8,812.02
Total	205,467.00	48,490.42	31,646.11	42,786.24	15,109.44	23,027.99	42,786.24	31,646.11	205,467.00
Percentage of total expenditures	0.0123	0.0103	0.0080	0.0124	0.0127	0.0126	0.0124	0.0080	0.0123
Building materials:									
Electric and telephone supplies	\$27,420.33	\$8,962.24	\$5,922.89	\$7,157.05	\$644.46	\$383.27	\$7,157.05	\$5,922.89	\$27,420.33
Lumber	190,496.59	62,074.47	52,989.20	48,887.34	5,980.08	1,084.36	48,887.34	52,989.20	190,496.59
Other materials	142,932.25	46,932.94	40,324.85	36,424.07	4,775.66	3,505.92	36,424.07	40,324.85	142,932.25
Tools for building	8,028.64	2,826.33	1,732.01	1,732.88	342.02	2,333.38	1,732.88	1,732.01	8,028.64
Wire, fence, etc.	134,899.63	33,862.34	39,750.19	35,264.75	982.36	467.12	35,264.75	39,750.19	134,899.63
Graph									
Telephone and tele- graph brackets, in- stallations, etc.	76,354.37	14,412.78	5,352.58	27,983.77	54.57	2,993.22	27,983.77	5,352.58	76,354.37
Total	19,040.69	5,115.90	151,716.36	7,777.90	74,003.41	427.00	7,777.90	151,716.36	19,040.69
Percentage of total ex- penditures	0.0358	0.0369	0.0386	0.0478	0.0409	0.0022	0.0478	0.0386	0.0358
Field equipment, etc:									
Axes and hatchets	\$26,139.41	\$7,017.27	\$3,506.30	\$7,483.93	\$2,553.63	\$793.14	\$7,483.93	\$3,506.30	\$26,139.41
Boots and launchets	18,547.33	4,204.62	11,279.86	3,000.55	13.80	8.50	3,000.55	11,279.86	18,547.33
Buckets and water bags	4,064.90	974.40	1,477.70	1,853.55	251.58	22.15	1,853.55	1,477.70	4,064.90
Canteens	4,891.81	732.63	171.81	3,155.49	165.17	82.14	3,155.49	171.81	4,891.81
Carrying cases (leather and canvas)	15,446.46	2,183.11	1,762.08	6,047.15	565.04	900.01	6,047.15	1,762.08	15,446.46
Cooking utensils	6,032.27	1,939.19	1,436.90	1,625.48	180.01	220.70	1,625.48	1,436.90	6,032.27
Farm implements and tools	37,016.51	13,152.92	7,132.92	9,301.27	1,619.88	402.54	9,301.27	7,132.92	37,016.51
Horses and mules	25,666.00	13,626.00	4,934.00	4,839.00	300.00	497.50	4,839.00	4,934.00	25,666.00
Mattocks, picks, and grub- bing hoes	4,435.33	2,026.03	937.09	724.36	231.18	147.15	724.36	937.09	4,435.33
Saddles, saddlebags, etc	7,891.04	1,920.04	1,201.14	1,277.87	690.95	1,277.87	1,277.87	1,201.14	7,891.04
Saws	8,250.70	2,773.93	1,718.04	1,790.92	585.60	331.07	1,790.92	1,718.04	8,250.70
Shovels and spades	11,978.82	5,808.14	2,403.47	2,025.50	714.95	17.75	2,025.50	2,403.47	11,978.82
Stoves	33,658.27	12,951.85	9,545.49	2,590.77	405.42	1,687.10	2,590.77	9,545.49	33,658.27
Tableware	881.60	2,511.53	189.99	515.19	144.21	189.99	515.19	189.99	881.60
Tents and tent equipment	55,697.55	9,535.18	1,009.73	30,310.64	2,799.76	1,470.15	30,310.64	1,009.73	55,697.55
United States flags	4,819.92	632.71	402.56	3,003.01	9.75	294.93	3,003.01	402.56	4,819.92

I. Classified summary of expenditures, fiscal years beginning July 1, 1899, and ending June 30, 1910—Continued.

	Division of Forestry.				Bureau of Forestry.				Forest Service.				Total.	
	1900	1901	1902	1903	1904	1905	1906	1907	1908	1909	1910			
SALARIES AND WAGES: contd.														
Field equipment, etc.—Contd.														
Wagons and harness.....		\$25.00	\$126.00	\$153.31	\$126.41	\$384.75	\$375.30	\$459.02	\$2,382.80	\$3,204.81	\$7,729.50	\$14,906.90		
Miscellaneous and repairs.....	\$108.49	331.20	834.41	387.62	356.66	869.47	1,825.33	4,245.83	20,572.44	16,287.97	27,484.10	73,484.98		
Fire tool boxes.....						4.50	15.00	351.00	56.07	251.97	1,794.69	2,577.72		
Bicycles and speeders.....				40.75	110.25			423.81	1,036.13	1,136.34	1,741.26	4,997.54		
Horseshoeing outfit.....														
Total.....	445.27	1,364.85	4,215.71	3,626.41	2,563.14	10,246.59	13,236.33	30,189.15	109,261.76	69,909.29	121,496.86	366,555.36		
Percentage of total expenditures.....	0.0092	0.0155	0.0231	0.0128	0.0073	0.0160	0.0111	0.0166	0.0316	0.0178	0.0258	0.0219		
MISCELLANEOUS PURCHASES.														
Fuel.....				\$76.42	\$120.51	\$299.57	\$1,145.21	\$1,706.16	\$2,784.25	\$3,735.59	\$5,360.66	\$15,298.37		
Stereopticons and accessories.....	\$75.25		\$112.00	7.00				3.70	189.61	10.20	325.64	525.64		
Lantern slides.....	13.75	\$45.40	36.00	111.53	15.77	64.55	15.20	27.75	100.35	138.38	555.55	1,125.43		
Photographs.....	139.74	109.45	239.50	206.25	426.73	430.43	717.54	283.03	231.08	514.17	590.15	3,009.17		
Press clippings.....	10.09	71.02				2.00	3.53	22.84	325.41	819.33	1,856.58	3,000.18		
Seeds and trees.....		6.26	62.38	84.15	356.27	206.97	1,051.94	2,198.09	1,654.99	6,882.53	21,453.05	33,930.63		
Subsistence supplies, temporary labor.....														
Ranger sites, land buildings, etc.	764.06	1,598.47	2,520.00	3,648.99	4,942.03	3,895.84	9,666.41	12,019.78	53,265.81	53,922.00	94,345.12	240,588.51		
Wells.....				1,525.00		1,725.84	90.00	1,500.00	19,571.20	32,185.25	68,868.16	125,692.76		
Type and printing outfit.....				325.00			139.09	74.58	2,535.72		953.09	4,793.92		
Fire-extinguishing apparatus.....							1,311.70	1,195.90	1,108.53	18,972.00	1,264.10	26,039.41		
Total.....	1,004.29	1,830.00	2,989.58	5,984.14	6,875.33	8,739.91	14,141.42	20,292.23	82,396.95	117,481.50	194,957.08	456,693.33		
Percentage of total expenditures.....	0.0207	0.0207	0.0163	0.0210	0.0197	0.0137	0.0119	0.0111	0.0239	0.0299	0.0414	0.0273		
GENERAL EXPENSES.														
Advertising.....														
Box rent, registry fees, etc.				\$3.80	\$26.06		\$3,129.08	\$4,098.48	\$5,663.92	\$3,334.46	\$4,877.33	\$25,826.54		
Express.....	\$65.52	\$90.07	\$300.55	1,173.69	1,176.62	1,831.67	3,778.28	4,328.53	3,069.19	843.98	1,096.11	2,452.02		
Freight and drayage.....	47.16	324.65	532.83	755.40	1,243.77	2,393.05	4,957.76	10,199.48	5,972.69	11,384.61	6,943.13	37,045.36		
Printing and binding.....			13,576.83	27,694.04	12,007.26	22,543.56	17,385.68	46,277.99	1,824.80	3,317.29	69,076.92	215,703.07		
Rent.....			2,000.00	6,731.07	10,090.46	11,664.37	18,829.58	30,994.07	54,829.06	92,499.64	102,201.18	329,839.43		

Street-car fare for messengers.....	126.24	247.01	50.00	53.00	75.00	90.00	125.45	162.74	242.50	296.00	192.90	1,289.59
Telephone.....	5.24	53.59	105.71	464.97	660.40	1,061.84	1,991.60	4,382.21	7,992.70	8,072.29	6,480.99	31,725.49
Gas and electricity.....				231.60	435.06	873.49	1,308.62	3,230.36	7,485.04	9,060.58	10,909.10	34,619.39
Miscellaneous (laundry, ice, etc.).....				18.30	137.67	241.01	602.80	794.90	1,691.74	2,445.65	2,027.02	7,959.69
Horse hire—pack animals, etc.....				10.41	109.72	175.91	234.07	276.97	376.38	1,089.48	1,550.88	3,829.82
Horseshoeing.....						1,787.18	7,337.46	8,932.03	36,604.56	40,059.22	51,104.27	145,824.72
Forage.....						99.80	138.05	194.45	528.70	592.29	1,258.50	2,811.79
.....						270.80	1,951.19	2,304.74	8,896.51	10,736.18	63,158.90	87,318.32
Total	244.16	716.32	16,804.36	37,142.28	25,968.02	47,771.29	61,800.62	116,303.49	186,409.12	256,894.99	322,442.36	1,072,497.21
Percentage of total expenditures.....	0.0050	0.0081	0.0919	0.1304	0.0745	0.0747	0.0519	0.0639	0.0540	0.0652	0.0684	0.0642
TRAVEL EXPENSES.												
Meals and lodging.....	83,583.57	34,341.30	\$9,067.82	\$21,871.12	\$30,922.00	\$27,859.25	\$42,877.10	\$68,023.70	\$110,004.16	\$127,811.24	\$148,476.83	\$595,739.09
Baggage, etc., transfer.....	212.29	241.00	488.63	1,010.27	1,360.00	1,391.90	1,906.32	2,260.28	3,267.71	4,216.01	3,092.33	20,052.83
Railroad fares.....	5,250.05	5,438.69	10,283.59	20,169.93	27,814.37	29,557.95	42,431.25	55,162.49	84,214.94	97,089.31	90,010.45	467,422.93
Pullman fares.....	877.00	665.85	1,650.55	3,498.52	4,656.00	5,130.81	6,124.84	8,382.87	9,718.21	14,935.78	11,728.37	67,375.84
Ferry and stage fares.....	84.71	120.70	181.30	307.29	493.03	370.85	2,108.39	3,360.84	6,252.54	5,723.00	8,659.20	27,996.81
Hire, automobiles.....			65.25	584.22	1,230.21	332.93	908.50	57.35	143.75	542.60	983.56	7,682.26
Livery, carriage and horse hire (including pack animals to fiscal year 1904).....	613.96	2,390.20	2,251.08	3,646.08	7,030.23	6,294.83	6,540.26	8,119.01	7,647.15	9,950.08	13,410.04	66,892.92
Horse feed (includes all horse feed to fiscal year 1904).....	12.30	303.32	616.69	1,173.92	1,612.41	1,743.44	1,938.04	3,464.82	10,159.63	13,017.64	22,356.77	56,399.88
Laundry.....			204.77	781.58	1,280.80	1,151.34	1,751.68	2,570.44	3,413.00	4,138.64	4,358.40	19,651.05
Miscellaneous portage.....	59.08	51.70	134.42	348.24	372.40	446.48	577.63	666.70	1,301.90	2,364.37	2,697.54	8,918.86
Jurat.....	51.00	59.50	114.22	209.33	255.25	236.79	354.00	541.67	1,407.26	2,429.29	2,595.41	8,234.32
Total	10,744.96	13,612.26	25,058.32	53,600.50	77,026.70	73,860.57	107,398.71	153,818.02	239,722.01	283,639.11	399,269.15	1,347,690.31
Percentage of total expenditures.....	0.2214	0.1543	0.1371	0.1882	0.2209	0.1154	0.0902	0.0845	0.0693	0.0721	0.0656	0.0807
FIELD EXPENSES.												

Express.....	77.05	\$21.55	\$48.21	\$232.13	\$230.06	\$484.70	\$808.99	\$961.56	\$1,629.49	\$3,937.97	\$1,894.21	\$10,298.02
Freight.....	46.41	253.02	361.04	431.54	826.53	889.38	1,622.82	2,028.14	4,425.88	1,382.19	4,655.14	16,902.09
Supplies and equipment.....	160.31	742.97	1,457.40	2,996.15	4,317.14	7,014.78	13,772.82	16,311.36	28,233.20	19,820.16	20,907.06	115,740.04
Telephone.....	21.40	19.37	20.93	130.75	107.07	38.28	77.78	73.33	95.72	86.24	70.10	731.03
Telephone.....	5.24	3.14	10.25	29.55	33.75	143.49	567.97	1,514.55	2,263.84	1,910.73	1,318.20	7,830.71
The following station and field items, paid in travel vouchers, are not properly travel expenses and have consequently been taken out and charged elsewhere under their appropriate headings:												

I. Classified summary of expenditures, fiscal years beginning July 1, 1899, and ending June 30, 1910—Continued.

	Division of Forestry.				Bureau of Forestry.					Forest Service.				Total.
	1900		1901	1902	1903	1904	1905	1906	1907	1908	1909	1910		
FIELD EXPENSES—continued.														
Temporary labor:														
Fire.....							\$117.75	\$484.64	\$9,252.93	\$4,899.10	\$5,095.58	\$9,304.89	\$23,154.29	
Improvement.....								3,356.08	740.77	10,076.63	2,659.26	3,624.88	20,457.62	
Miscellaneous.....								12,797.63	9,317.51	10,276.75	9,458.51	8,164.03	94,493.96	
Subsistence.....								3,785.93	3,420.03	4,253.88	5,366.17	5,623.28	39,472.92	
Total.....	1,974.48	4,802.90	9,193.59	15,900.83	24,033.82	26,156.85	37,274.12	37,027.00	66,056.49	49,894.11	55,364.39	329,078.58		
Total gross charges for travel, station, and field expenses.....	12,719.44	18,415.16	34,251.91	69,501.33	101,015.84	100,017.42	144,672.83	191,445.02	306,378.50	333,533.22	364,773.54	1,676,734.21		

The above amounts were expended approximately as follows:

	IN WASHINGTON.												
Salaries and wages.....	\$14,099.28	\$28,003.32	\$54,172.75	\$64,509.29	\$91,415.23	\$170,822.28	\$292,227.97	\$371,790.74	\$590,673.61	\$469,088.21	\$306,296.83	\$2,467,099.51	
Stationery.....	27.15	189.84	1,198.77	1,812.10	2,098.21	4,687.91	7,655.96	19,550.21	38,732.48	28,804.72	9,405.45	114,162.80	
Printed matter, books, etc.....	2.50		49.15	252.35	266.61	1,067.87	244.70	2,401.34	1,402.97	2,463.93	3,327.23	11,478.65	
Furniture.....	162.35	530.05	3,747.88	3,151.85	3,353.63	8,482.54	7,876.37	15,434.49	31,905.05	11,905.38	4,840.94	91,390.53	
Furnishings.....	3.00	15.24	607.56	486.37	946.21	1,383.23	1,121.93	947.99	1,618.09	1,139.22	248.29	8,577.13	
Photographic supplies and equipment.....	696.60	1,793.84	1,716.00	2,469.85	3,886.08	2,762.59	3,286.11	2,746.12	2,947.23	7,390.26	2,990.74	32,615.42	
Office supplies.....	233.90	923.07	2,002.03	3,347.21	5,221.62	9,537.88	12,501.40	25,517.40	66,476.25	38,162.98	10,221.47	172,437.36	
Instruments.....	55.00	95.77	348.61	730.66	557.56	1,131.71	3,126.09	6,390.16	20,165.47	5,245.58	3,666.80	41,513.41	
Laboratory supplies.....	18.79	37.45	433.76	649.97	370.76	390.76	221.93	747.15	2,046.32	1,537.19		6,453.95	
Building material, electrical supplies, etc.....	14.64	249.96	1,380.24	1,172.80	1,095.16	1,422.71	2,744.03	1,958.96	4,024.68	1,706.71	943.76	16,713.65	
Rent.....			2,000.00	6,731.07	9,239.65	10,996.36	14,267.95	18,654.75	30,222.87	27,905.00	25,256.69	145,274.34	
Fuel.....			13,576.83	27,694.04	12,007.26	22,332.81	17,371.18	46,049.68	4,500.00	870.79	169.75	140,076.82	
Printing and binding.....									1,152.70	18,797.15	298.52	24,784.34	
Printing outfit and type.....									1,076.13	1,076.13	942.07	5,993.43	
Telephone.....			50.85	202.05	401.31	555.46	691.78	749.80	1,228.62	1,076.13	584.51	3,559.92	
Gas and electricity.....				18.30	137.67	166.94	369.55	368.80	777.07	1,137.02		1,686.00	
Fire-extinguishing apparatus.....									270.00				
Lanterns, slides, photographs, etc.....	139.74	109.45	259.50	206.25	226.73	217.10	456.68	237.14	262.16	210.57	1,146.70	3,492.02	

Miscellaneous (laundry, lee, cleansing supplies, press clippings, street-car fare for messenger service, etc.).....	10.09	71.02	50.00	69.41	184.72	247.24	348.55	386.92	844.88	1,600.79	1,252.08	5,125.70
Total in Washington.....	15,393.04	32,069.86	81,698.54	113,503.57	130,722.43	243,523.82	365,826.03	516,272.95	802,884.05	619,340.90	371,702.43	3,292,937.62
OUT OF WASHINGTON.												
Salaries and wages.....	19,620.00	87,569.28	61,205.51	88,836.78	124,458.53	261,575.47	632,108.65	955,365.43	1,842,169.17	2,413,332.33	3,087,589.23	9,523,929.38
Subsistence of temporary labor.....	704.06	1,598.47	2,520.00	3,548.99	4,942.03	3,895.84	9,606.41	12,019.78	53,273.81	53,922.00	94,345.12	240,588.51
Stationery.....						162.97	305.75	1,847.65	4,037.40	6,373.15	6,373.15	25,200.38
Printed matter, books, etc.....						266.60	153.04	610.85	12,563.96	19,410.49	13,141.35	46,155.23
Furniture.....						4,078.10	2,054.13	1,329.56	9,983.42	4,584.20	33,074.37	53,106.84
Furnishings.....						200.33	188.87	550.09	3,329.62	4,209.86	6,579.85	19,028.64
Photographic supplies and equipment.....	75.43	197.77	185.00	274.43	482.00	154.45	304.71	892.20	2,104.31	1,920.35	2,938.95	9,479.60
Office supplies.....						888.48	2,452.34	1,213.20	8,559.17	12,453.20	40,430.65	66,296.10
Instruments.....	1,133.98	1,087.00	6,373.29	12,634.39	2,939.22	17,320.21	11,983.33	16,637.83	22,620.77	26,400.33	44,823.62	163,954.19
Laboratory supplies and building material, etc.....						526.77	390.78	1,576.45	1,969.04	913.26	5,910.80	11,277.10
Telephone.....						8,927.26	12,973.77	72,644.45	161,213.66	150,069.65	173,243.24	584,280.84
Purchase of ranger sites, lands, and buildings.....						229.69	229.69	1,634.58	22,406.92	32,185.25	69,822.25	128,128.69
Field equipment.....	445.27	1,364.85	4,215.71	1,850.00	2,563.14	10,242.09	13,221.33	30,189.15	109,261.76	69,909.29	121,496.86	366,535.86
Rent.....						668.01	4,561.03	12,339.32	24,606.19	64,594.64	76,944.49	184,565.09
Fuel.....						299.57	1,145.21	1,692.59	2,675.05	3,496.32	5,220.06	14,725.73
Printing and binding.....						210.75	14.50	228.33	1,820.30	2,446.50	1,394.78	6,115.16
Advertising.....	5.24	3.14	10.25	29.55	33.75	4,723.27	3,129.08	4,098.48	5,663.92	3,334.46	4,877.33	25,826.54
Gas and electricity.....						318.03	616.84	2,426.04	6,257.12	8,904.45	9,967.03	28,625.96
Box rent, registration fees, etc.....						15.34	74.07	426.04	914.97	1,308.63	1,443.11	4,399.77
Seeds and trees.....						200.97	31.00	126.54	309.19	843.98	1,096.11	2,452.02
Printing outfit and type.....						62.38	84.15	356.27	1,654.99	6,882.53	21,433.03	33,950.63
Lanterns, slides, photos, etc.....	90.40	45.40	148.00	118.33	215.77	277.88	276.26	78.24	238.88	452.18	524.64	2,465.98
Travel expenses.....	10,744.96	13,612.26	25,058.32	53,600.50	77,026.70	73,898.71	153,818.02	239,722.01	283,639.11	309,209.15	1,347,690.31	3,745,363.07
Forage, team hire, etc.....						2,137.78	9,426.70	11,431.22	46,029.77	51,387.69	115,521.67	235,954.84
Miscellaneous.....						25.17	29.50	75.13	99.41	546.02	1,084.56	1,869.79
Fire-extinguishing apparatus.....										301.45	487.70	739.15
Total out of Washington.....	32,888.34	55,484.43	100,041.49	168,876.28	214,988.04	391,070.06	813,917.74	1,283,080.99	2,583,781.43	3,223,938.73	4,256,557.92	13,126,605.45
IN AND OUT OF WASHINGTON.												
Freight and drayage.....	47.16	324.65	532.83	755.40	1,243.77	2,393.05	4,957.76	10,199.48	53,990.73	72,241.32	69,076.92	215,763.07
Express.....	65.52	90.07	300.55	1,173.69	1,176.62	1,831.78	3,778.28	4,328.33	3,972.69	11,384.01	6,943.13	37,045.36
Telegraph.....	126.24	247.61	238.64	464.97	666.40	1,061.84	1,991.00	4,282.21	8,962.70	8,072.29	6,480.99	31,725.49
Total.....	238.92	662.33	1,072.02	2,394.06	3,086.79	5,286.79	10,727.04	18,910.22	67,956.12	91,696.22	82,501.04	284,533.92
Grand total, gross expenditures.....	48,520.30	88,216.62	182,812.05	284,773.91	348,777.26	639,880.44	1,190,471.41	1,820,264.16	3,454,621.60	3,984,977.85	4,710,577.29	16,704,076.99

I. Classified summary of expenditures, fiscal years beginning July 1, 1899, and ending June 30, 1910—Continued.

	Division of Forestry.		Bureau of Forestry.					Forest Service.					Total.	
	1900	1901	1902	1903	1904	1905	1906	1907	1908	1909	1910			
IN AND OUT OF WASHINGTON— continued														
Less repayments, including amounts expended in cooperative work on account of other Federal bureaus for which the Forest Service appropriation has been reimbursed by transfer settlement through the Treasury.....	\$8.82	\$0.75	\$5.11	\$20.95	\$3.95	\$62.31	\$42.98	\$150.97	\$7,744.46	\$22,107.38	\$16,169.13			\$46,317.01
Net expenditures for Forest Service work.....	48,511.48	88,215.87	182,806.94	284,752.96	348,773.31	639,818.13	1,190,428.43	1,820,113.19	3,446,876.94	3,912,870.47	4,694,562.26			16,657,759.98
Paid from the following appropriations:														
Salaries and general expenses.....	48,520.00	88,520.00	185,440.00	291,860.00	350,000.00	425,140.00	875,140.00	1,000,000.00	1,900,000.00	3,296,200.00	4,046,200.00			12,507,020.00
Testing timber, Louisiana Purchase Exposition, St. Louis, Mo.....					44.68	9,955.32								10,000.00
Protection of forest reserves (unexpended balance transferred from Interior Department appropriation).....						207,092.36								207,092.36
Administration, etc., forest reserves (receipts fund).....						816,260.21		786,360.91	1,019,030.59					2,121,651.71
Administration, etc., national forests.....								6,213.21	493,786.79					500,000.00
Improvement of the national forests.....								15,000.00						15,000.00
Wichita Forest and Game Preserve.....										606,000.00	600,000.00			1,200,000.00
Cooperative work, forest investigations (contributed by individuals and corporations for cooperative forest work with the Forest Service).....														
Survey and report on Appalachian and White Mountains watersheds.....								18,019.15	22,569.69	24,006.46	39,430.79			104,026.09
								1,596.24	23,403.76					25,000.00

Naval stores industry.....										8,940.32	1,046.13	9,986.45
National Bison Range.....										219.00	47,391.22	47,610.22
Paper tests.....										3,085.87	9,560.75	12,646.62
Total.....												16,760,043.05
Unexpended balances returned to general funds in the United States Treasury.....	48,520.00	185,440.00	291,860.00	350,044.08	642,187.08	1,191,400.21	1,827,189.51	3,458,790.83	3,932,461.25	4,743,028.89		
Net expenditures.....	8.52	304.13	2,033.06	1,271.37	2,369.55	971.78	7,076.32	11,913.89	19,590.78	149,036.03		102,283.07
In addition the following payments were made by, or under the general direction of, the Forest Service:	48,511.48	88,215.87	182,806.94	348,773.31	639,818.13	1,190,428.43	1,820,113.19	3,446,876.94	3,912,870.47	4,094,592.26		16,657,759.98
Refunds to contributors, unexpended balances of cooperative contributions.....												
Refunds to depositors excess of deposits; national forest funds.....							1,039.03	800.14	2,081.17	1,239.00		5,820.54
Payments to States and Territories, national forest funds (10 and 25 per cent of receipts from national forest resources).....						3,817.74	32,551.89	48,078.61	40,088.73	48,966.86		174,113.80
Paid from "Payments to States, etc.".....												
Paid from appropriation "Administration forest reserves".....									443,652.57	506,194.83		
Payments to Indians on account of timber sale receipts on former Uinta Indian lands (33 Stat., 1070).....							275,510.19	3153,391.77				1,617,451.87
Paid from "Special fund".....												
Paid from "Administration forest reserves".....								4,848.07	1,113.47			20,367.24
Grand total expended.....	48,511.48	88,215.87	182,806.94	348,773.31	639,818.13	1,194,230.17	1,943,120.57	4,098,807.80	4,395,466.05	5,250,993.55		18,475,513.43

¹ Balance, Dec. 31, 1911, available for payment of delayed accounts until June 30, 1912.

² Payments made during year here charged on account of collections during the year immediately preceding.

³ Includes two years' collections.

In addition to the printing and binding reported above as paid from Forest Service appropriations, the following amounts are reported by the Division of Publications as expended for forestry printing and binding from the regular Department of Agriculture appropriation for that purpose.

	Bureau of Forestry.					Forest Service.					Total.	
	1900	1901	1902	1903	1904	1905	1906	1907	1908	1909		1910
Printing and binding.....	\$7,971.00	\$5,016.55	\$7,550.53	\$2,833.53	\$4,220.02	\$8,255.80	\$10,411.73	\$21,447.73	\$90,907.78	\$59,407.66	\$18,644.87	\$236,667.60

Of the total expended for forest work, the following amounts were on account of permanent improvements on national forests in the various States and Territories:

STATES AND TERRITORIES.	Bureau of Forestry.					Forest Service.					Total.	
	1900	1901	1902	1903	1904	1905	1906	1907	1908	1909		1910
Alaska.....						\$301.57	\$1,551.17	\$87.80	\$50.96	\$11,300.00	\$1,400.00	\$12,838.76
Arizona.....								3,565.47	28,970.96	52,578.33	46,764.93	133,741.43
Arkansas.....						929.79	6,319.24	19,288.76	90,315.31	6,547.34	9,223.71	15,833.67
California.....							1,561.96	4,847.83	64,925.11	92,251.41	100,496.58	310,301.09
Colorado.....								5,257.14	80,942.88	55,577.53	40,957.80	167,870.23
Florida.....						263.30	1,456.62	201.44	250.83	81,444.07	78,742.88	1,541.41
Idaho.....											283.14	1,516.64
Kansas.....											140.79	140.79
Michigan.....											4,027.01	5,425.96
Minnesota.....						113.40	3,600.73	266.49	56.95	877.50	62,606.65	240,625.36
Montana.....								7,215.27	98,757.10	68,757.10	1,215.83	9,471.98
Nebraska.....								3,242.04	4,064.28	949.83	1,215.83	19,745.63
Nev. Id.....								210.25	3,091.98	5,437.64	11,065.76	19,745.63
New Mexico.....						182.28	1,045.64	3,445.07	31,746.23	27,108.59	34,208.26	97,796.07
North Dakota.....											902.66	40.00
Oklahoma.....						94.80	455.27	15,323.56	2,186.18	683.50	902.66	19,645.97
Oregon.....						114.98	1,076.90	2,936.07	56,562.42	58,558.54	67,098.49	186,347.40
South Dakota.....								2,173.32	4,229.37	3,277.71	3,109.51	11,083.30
Utah.....						109.08	1,266.51	2,669.93	23,761.60	20,573.76	26,172.22	74,583.10
Washington.....						69.79	603.55	1,873.68	44,331.21	39,657.57	50,875.96	137,411.76
Wyoming.....						583.19	4,196.20	4,024.52	17,908.00	24,877.66	29,749.13	81,338.70

Engineering supervision and drafting, all States.....							4, 115.72	40, 231.19	27, 592.92	120, 171.54	120, 171.54
Total.....			2, 762.18	23, 521.28			78, 788.27	592, 169.19	599, 471.02	598, 835.64	1, 895, 547.58

NOTE.—The administration of the national forests was transferred from the Interior Department to the Department of Agriculture on February 1, 1905. The first specific appropriation for permanent improvements on the national forests was for the fiscal year 1910.

The following statement shows the amounts paid for salaries and other compensation of inspectors, forest supervisors, forest rangers, deputy forest rangers, assistant forest rangers, forest guards, and other forest officers engaged in administrative work on the national forests from February 1, 1905, to June 30, 1910. These amounts are included in the "salaries" shown above in the statement of expenditures:

Fiscal year.	Inspectors.	Supervisors, rangers, etc., on forests.	Salaries of Forest-Service officers and employees at district headquarters Dec. 1, 1908, to June 30, 1910.						Total.		
			District 1.	District 2.	District 3.	District 4.	District 5.	District 6.		Total districts.	
1905.....	\$9, 112.98	\$157, 634.84									\$163, 747.82
1906.....	22, 141.39	841, 685.01									563, 826.40
1907.....	39, 377.93	830, 994.17									890, 472.10
1908.....	32, 166.12	1, 446, 988.11									1, 499, 154.23
1909.....	127, 872.69	1, 567, 487.65	\$24, 999.87	\$66, 978.34	\$26, 663.28	\$42, 867.99	\$31, 299.45	\$10, 345.11		\$183, 094.04	1, 788, 454.38
1910.....	14, 060.33	2, 175, 336.20	58, 059.26	60, 470.12	54, 713.38	73, 040.34	53, 315.30	60, 458.81		360, 057.21	2, 589, 473.74
Total.....	151, 831.44	6, 740, 145.98	83, 059.13	97, 448.46	81, 376.66	2 115, 908.33	84, 554.75	90, 803.92		553, 151.25	7, 445, 128.67

1 On Dec. 1, 1908, district headquarters were established at (1) Missoula, Mont., (2) Denver, Colo., (3) Albuquerque, N. Mex., (4) Ogden, Utah, (5) San Francisco, Cal., (6) Portland, Ore., and the work of inspection was transferred in the main to the district foresters and their assistants, a limited number of inspectors being retained and assigned to general inspection.
 2 Includes the supply depot and property auditor's office, both located at Ogden, Utah, as a convenient central point.

The following statement shows the expenditures by the Forest Service: (1) For investigative, cooperative, and other general and special forest work, and (2) for the administration, protection, and improvement of the National forests, respectively, including in both items the proper proportion of general administrative or overhead charges:

	1900	1901	1902	1903	1904	1905	1906	1907	1908	1909	1910	Total.
Investigations, etc.....	\$38, 511.48	\$88, 215.87	\$182, 806.94	\$284, 752.96	\$348, 773.31	\$348, 539.09	\$233, 428.76	\$281, 693.88	\$328, 609.73	\$357, 974.44	\$343, 439.71	\$2, 846, 746.17
Administration, etc.....						1, 291, 279.04	956, 999.67	1, 538, 419.31	3, 118, 267.21	3, 554, 896.03	4, 351, 152.55	13, 811, 943.81
Total.....	48, 511.48	88, 215.87	182, 806.94	284, 752.96	248, 773.31	639, 818.13	1, 190, 428.43	1, 820, 113.19	3, 446, 876.94	3, 912, 870.47	4, 694, 592.26	16, 657, 759.98

1 Feb. 1 to June 30, 1905, only. Adding the amount disbursed by the Interior Department, \$217,907.64 makes the total for the fiscal year \$509,186.68.

II. Receipts.

	1900	1901	1902	1903	1904	1905	1906	1907	1908	1909	1910	Total
(a) Amounts received from national forest resources:												
By Interior Department sales of timber.....	\$36,754.02	\$29,250.88	\$25,431.87	\$45,838.08	\$58,436.19	\$13,133.53						\$208,844.57
By Agricultural Department sales of timber.....						60,136.62	\$245,013.49	\$686,813.12	\$849,027.24	\$732,324.04	\$1,042,794.12	3,616,108.63
Permits for use, etc.....						6.00	522,206.47	884,246.32	993,254.63	1,074,946.62	1,047,353.96	4,522,014.00
Total receipts from forest resources.....	36,754.02	29,250.88	25,431.87	45,838.08	58,436.19	73,276.15	767,219.96	1,571,059.44	1,842,281.87	1,807,270.66	2,090,148.08	8,346,967.20
(b) The following amounts were collected by the Forest Service from various sources and deposited in the U. S. Treasury as miscellaneous receipts:												
Sale of photographic prints, etc.....							173.68	300.43	592.18	454.97	383.18	1,904.44
Sale of maps.....										24.44	27.08	51.52
Telephone tolls on national forest lines.....									196.21	209.35	783.90	1,189.46
Sale of condemned Government property.....										242.82	1,753.89	1,996.71
On account of lost Government property.....							2.82	28.48	259.86	696.40	1,228.54	2,216.10
Total.....							176.50	328.91	1,048.25	1,627.98	4,176.59	7,358.23
(c) Receipts from contributors for cooperative forest work included in expenditures reported above.....												
								19,058.78	23,429.83	26,687.03	40,670.39	109,846.63

III. *Permanent improvements, equipment, etc., on hand June 30, 1910, on account of which expenditures shown above were made.*

1. The permanent improvements in the national forests on June 30, 1910, were reported as follows:

States and Territories.	Roads.	Trails.	Telephone lines.	Fences.	Fire lines.	Cabins.	Barns.	Corrals.	Bridges.
	Miles.	Miles.	Miles.	Miles.	Miles.	Number.	Number.	Number.	Number.
Alaska.....						3			
Arizona.....	158	255	285	240	45	100	48	35	5
Arkansas.....	26	112	7	6		10	7		
California.....	117	1,034	1,285	195	70	200	108	32	35
Colorado.....	77	581	622	308	1	124	68	36	18
Florida.....				3		2	1	1	1
Idaho.....	141	1,194	723	163		123	62	24	49
Kansas.....			17		78	1		1	
Michigan.....					20				
Minnesota.....		15	42	6		4	2		
Montana.....	102	1,190	697	215		138	98	11	21
Nebraska.....			107	6	188	6	3	1	
Nevada.....			26	13		13	7	1	
New Mexico.....	4	347	345	264	105	68	43	29	
North Dakota.....									
Oklahoma.....	8		3	18			4		
Oregon.....	223	1,124	440	187		103	36	4	23
South Dakota.....		3	16	26		16	15		
Utah.....	161	254	327	63	11	46	17	8	8
Washington.....	33	673	161	54	1	52	24		13
Wyoming.....	238	393	449	119		61	29	11	15
Total.....	1,288	7,175	5,552	1,886	519	1,070	573	193	188

2. The records of the property auditor show the following items of nonexpendable property on hand June 30, 1910, in the various district and forest headquarters:

No.	Article.	Value.
152	Adzes.....	\$333.71
	Alidades:	
248	Ordinary.....	679.52
30	Telescopic.....	3,900.00
9	Ammeters.....	27.40
6	Anchors.....	42.85
4	Andirons.....	9.00
9	Anemometers.....	225.00
5	Annunciators.....	82.80
165	Anvils.....	1,294.33
	Apparatus:	
1	Aneroid testing.....	90.00
1	Compression tests.....	5.80
1	Distillation.....	31.04
1	Distilling, Buehl's.....	7.75
1	Extraction and steam distillation.....	200.00
1	Loading, third-point.....	10.00
2	Naphthalene.....	20.00
1	Shaking.....	13.00
1	Steam, with tripod.....	10.00
	Attachments:	
1	Auto drilling.....	3.50
1	Clear phone.....	3.00
1	Focusing.....	10.00
1	Portrait.....	.50
	Augers:	
203	Assorted.....	281.19
14	Post.....	23.15
1	Autoclave.....	59.50
13	Automatics, noiseless, typewriter.....	21.00
50	Awnings.....	263.60
	Axes:	
2	Marble.....	4.50
1,132	Marking.....	3,282.80
1	Background, photo.....	3.00
3,485	Badges.....	697.00

III. *Permanent improvements, equipment, etc., on hand June 30, 1910, on account of which expenditures shown above were made—Continued.*

No.	Article.	Value.
	Bags:	
4	Duffel.....	\$12.00
27	Mail, canvas, and leather.....	117.45
171	Packsaddle (pairs).....	1,006.09
125	Saddle (pairs).....	824.54
1	Sleeping.....	25.00
2	Tool.....	3.70
16	Ball bearings.....	224.00
878	Bars, crow, etc.....	1,711.39
72	Bark blazers.....	54.00
23	Bark peelers or spuds.....	62.65
5	Barographs.....	235.00
	Barometers:	
445	Aneroid.....	4,632.32
1	Bunson's syphon.....	3.75
1	United States Signal Service.....	35.10
1	Barrel, steel.....	7.75
	Baskets:	
13	Galvanized-iron.....	25.15
1	Test-tube.....	.30
	Baths:	
4	Blotter.....	22.40
4	Dip.....	10.00
1	Paraffine, copper.....	3.75
5	Water.....	108.00
2	Batteries, storage.....	50.00
4	Beam rests.....	20.00
61	Beds.....	239.95
	Bells:	
4	Brass, boat.....	8.00
1	Electric, door.....	1.00
80	Electric, extension.....	188.52
18	Bellows.....	115.80
303	Belts, lineman's.....	600.22
	Benches:	
2	Cabinetmaker's.....	37.80
3	Carpenter's.....	21.00
4	Chemical, work (complete with hooded bases, tops, and sinks).....	630.50
2	Saw, Oliver.....	670.00
2	Bicycles.....	40.00
6	Bins, flour.....	10.45
1	Binder, staple.....	35.00
206	Binoculars.....	2,582.55
	Bits:	
2,266	Auger, brace, etc.....	727.31
2	Guy.....	4.00
2	Blackboards.....	21.26
478	Blankets, assorted.....	1,188.38
391	Blocks and pulleys.....	556.12
2	Blocks, saw-setting.....	.96
	Blower:	
1	Fan.....	1.25
15	Forge.....	177.50
2	Blowpipes.....	3.45
1	Blowpiping set.....	30.40
	Boards:	
37	Army sketching.....	932.92
122	Drawing.....	1,002.08
3	Map.....	10.75
2	Pressing blue prints.....	6.00
6	Sketching.....	9.00
2	Trimming.....	6.45
23	Boats.....	712.05
	Boiler:	
1	Copper pan.....	4.00
1	Range.....	8.50
3	Steam.....	400.00
1	Boots, rubber (pairs).....	4.50
3	Borers, cork (set).....	4.40
2	Bottles, water, acid-proof.....	22.00
	Boxes:	
1	Blue-print paper.....	2.50
8	Bread.....	9.05
2	Copper.....	21.25
4	Filing, metal.....	9.50
2	Fixing.....	11.20
2	Flour, tin.....	3.50
2	Herbarium.....	4.00
4	Iron, for sealers.....	8.00
5	Mail.....	6.50
26	Or chests, mess and grub.....	266.31

III. *Permanent improvements, equipment, etc., on hand June 30, 1910, on account of which expenditures shown above were made—Continued.*

No.	Article.	Value.
	Boxes—Continued.	.
8	Metal, cash.....	\$10.10
12	Miter.....	57.25
2	Negative developing.....	6.00
2	Tent.....	11.30
36	Tool, fire-fighting.....	518.35
1	Wagon.....	37.00
	Braces:	
6	Canopy-top, launch.....	6.00
328	Carpenter's.....	490.86
7	Drill.....	21.15
	Brackets:	
3	Mission.....	16.20
1	Tilting (pairs).....	1.95
7	Bread raisers.....	8.25
116	Bridles.....	233.90
696	Bromides.....	1,085.76
20	Buffers, shoeing.....	41.76
	Burners:	
2	Alcohol, Barthel.....	12.75
115	Bunsen, etc.....	65.57
1	Hot-plate.....	7.25
2	Burnishers.....	2.00
7	Burros.....	161.00
	Cabinets:	
1	Hamilton (printing outfit).....	26.50
1	Ink and roller (printing outfit).....	9.31
2	Kitchen.....	40.00
1	Phonograph.....	7.50
1	Cage, steel.....	70.00
	Calipers:	
23	Carpenters' and machinists'.....	14.50
1	Steel, metric.....	5.00
	Tree—	
322	18-inch.....	833.98
162	24-inch.....	445.50
627	34-inch.....	2,031.48
6	48-inch, Minnesota model.....	30.00
297	50-inch.....	1,259.28
101	60-inch.....	549.44
2	Vernier.....	30.00
	Cameras:	
86	4 by 4, Century.....	3,397.00
8	4 by 4, Hawkeye.....	180.00
2	4 by 4, Premo.....	45.00
19	5 by 7, Century.....	1,235.00
4	5 by 7, Premo.....	140.00
1	5 by 7, Press Graflex.....	110.00
2	5 by 8, Naturalist's.....	260.50
1	6½ by 8½, City View and Studio.....	21.00
2	8 by 10, Century View.....	40.00
1	8 by 10, copying, S. & A.....	20.00
1	8 by 10, enlarging and reducing.....	38.00
1	11½ by 6½ by 7, Panorama.....	25.50
1	14 by 17, copying, S. & A.....	50.00
1	24 by 24, copying, Anthony.....	98.50
1	34 by 34, copying, S. & A.....	300.00
1	Lucida.....	12.00
4	Seneca View.....	166.80
	Cans:	
9	Ash.....	35.45
1	Bread.....	.50
1	Drip.....	2.00
1	Flour.....	1.25
4	Galvanized.....	13.80
40	Garbage.....	110.35
425	Soil, aluminum.....	161.50
1	Sugar.....	.45
5	Water.....	15.00
8	Canoes.....	218.25
515	Cant hooks and peavies.....	792.46
4	Cantinas (pairs).....	14.85
1	Canvas, kitchen, 7 by 9 feet.....	2.00
14	Cars, carts, and trucks.....	170.30
1	Carpet.....	50.00
	Carriers:	
1	Bundle.....	2.50
1	Hay.....	5.25
17	Timber.....	35.08
1	Cart, road.....	10.00

III. *Permanent improvements, equipment, etc., on hand June 30, 1910, on account of which expenditures shown above were made—Continued.*

No.	Article.	Value.
	Cases:	
37	Army sketching board.....	\$61.25
28	Atlas, steel.....	2,688.00
1	Binocular (extra).....	4.00
1	Blank (printing outfit).....	.50
1	Book.....	3.00
1	Botanist's collecting.....	2.00
	Caliper—	
30	34-inch.....	22.50
19	50-inch.....	15.20
251	Camera.....	858.45
1	Canvas, for carrying poles.....	4.50
351	Compass, leather.....	449.90
7,887	Filing and storage, assorted.....	73,328.70
8	Instrument.....	65.50
2	Lantern.....	1.50
1	Lantern slides.....	3.00
1	Leveling rod.....	4.50
399	Manuscript carrying, leather.....	2,736.05
1	Map, galvanized iron.....	3.00
19	Map, wall, California.....	295.00
186	Map and tripod.....	404.75
2	Medicine.....	8.00
1	Metal furniture (printing outfit).....	1.25
12	News.....	15.00
7	Planetable and traverse board.....	35.75
4	Plate-carrying.....	24.00
3	Quad and space (printing outfit).....	2.32
948	Rangers, metal.....	2,370.00
4	Rule and blank (printing outfit).....	3.48
7	Sketch-board, canvas.....	15.75
1	Standard, Hamilton (printing outfit).....	8.70
2	Suit, special.....	45.75
3	Test-set, leather.....	13.50
1	Thermometer.....	2.00
20	Two-thirds (printing outfit).....	11.74
2	Typewriter, leather.....	16.25
16	Casks.....	36.75
	Chains:	
58	Assorted.....	160.00
2	Fifth.....	5.25
135	Log.....	350.84
52	Proof test (feet).....	12.68
	Surveyor's—	
98	33 feet.....	416.50
782	66 feet.....	5,261.69
5,164	Chairs, stools, etc.....	13,206.98
1	Charger, battery.....	31.00
4	Chases (printing outfit).....	17.40
	Chests:	
29	Carpenter's.....	242.43
3	Ice.....	41.45
1	Instrument.....	6.00
36	Wood, field.....	180.00
1	Chiffonier.....	10.00
638	Chisels, wood.....	361.43
51	Choppers, meat and food.....	70.01
	Chuck:	
1	Drill.....	4.85
1	Lathe.....	30.00
	Clamp:	
1	Belt.....	9.00
37	Carpenter's.....	22.16
3	Eccentric.....	5.50
11	Haven.....	23.70
47	Laboratory, assorted.....	24.00
6	Lineman's.....	10.40
8	Mal. C.....	2.10
6	Parallel.....	7.50
23	Saw or vises.....	31.70
4	Toolmaker's, Starrett's.....	4.50
1	Clariphone.....	4.00
15	Cleavers.....	13.65
409	Climbers, lineman's and tree (pairs).....	824.34
1	Clinchers, nail.....	.75
4	Clinometers.....	56.00
	Clippers:	
1	Horse.....	1.75
69	Pruning.....	123.25
	Clocks:	
56	Assorted.....	297.75
2	Watchman's.....	120.00

III. *Permanent improvements, equipment, etc., on hand June 30, 1910, on account of which expenditures shown above were made—Continued.*

No.	Article.	Value.
	Coils:	
1	Spark.....	\$12.00
4	Repeating.....	24.20
16	Come-alongs.....	23.40
	Compasses:	
2	Barbow.....	40.00
4	Beam.....	78.40
526	Box, pocket.....	1,680.25
834	F. S. standard.....	18,082.90
1	Forester's.....	4.50
1	Mariner's.....	8.50
1	Planetable.....	15.00
	Pocket—	
1,311	Sight.....	4,719.60
30	Watch.....	82.50
6	Prismatic.....	138.00
1	Solar.....	195.50
388	Surveyor's.....	4,600.35
3	Compression collars (sets).....	26.20
1	Compressometers.....	70.00
112	Compasses, Brinton.....	2,408.00
2	Compressors, air.....	281.63
19	Comptometers.....	2,850.00
	Condensers:	
1	Abbe.....	3.15
1	Achromatic.....	27.00
3	Surface.....	166.00
2	Cones, platinum, filter.....	6.00
556	Connectors, or clamps, splicing.....	936.12
2	Containers, calorimeter.....	7.00
2	Controllers, motor-speed.....	27.50
1	Cookers, fireless.....	11.15
42	Coolers, water.....	254.74
336	Costumers and hatracks.....	486.83
287	Cots.....	700.67
2	Countershafts.....	62.00
	Covers:	
2	Crucible, platinum.....	6.00
1	Drawing-board.....	1.25
48	Pack.....	89.15
1	Stack.....	25.00
77	Wagon.....	343.34
4	Crimpers, cap.....	2.60
4	Crucibles, platinum.....	40.00
16	Cultivators, assorted.....	238.97
1	Cups, grease.....	2.75
739	Curves, draftsman's.....	381.89
4	Cushions, assorted.....	33.00
	Cutters:	
1	Feed.....	18.00
1	Glass, diamond-point.....	5.00
1	Lead, Success (printing outfit).....	7.80
6	Milling, high-speed.....	16.80
	Paper—	
1	Dietzgen.....	.40
1	Hanging.....	1.50
27	Pipe.....	63.54
1	Steel.....	.65
1	Stovepipe.....	3.50
1	Washer.....	.75
3	Cylinders.....	100.00
4	Brass.....	36.00
1	Calcium gas.....	31.50
1	Impregnating.....	209.00
2	Standard washing.....	210.00
1	With treating car.....	644.00
3	Dado-heads.....	52.10
1	Dark room, collapsible.....	9.00
10	Deflectometers.....	423.00
1	Derricks and equipment.....	202.09
542	Desks, assorted.....	11,679.73
1	Developers, film.....	3.20
1	Diamond, glazier's.....	1.88
3	Dibbles.....	.75
	Dies:	
680	Forest Service, etc.....	1,202.85
2	Pipe.....	3.00
3	Pipe (sets).....	19.76
34	Round, "U. S. S.," etc.....	28.30
4	Steel, "U. S.,".....	2.60
5	Stock (sets).....	6.50
3	Die plates and dies.....	20.58

III. *Permanent improvements, equipment, etc., on hand June 30, 1910, on account of which expenditures shown above were made—Continued.*

No.	Article.	Value.
	Digester:	
1	Rotary, soda	\$20.00
2	Wood-pulp	950.00
	Diggers:	
43	Post-hole	68.20
2	Tree	37.50
	Dishes:	
1	Aluminum .....	.60
1	Evaporating	4.80
3	Platinum	96.33
13	Dispensers, liquid soap	32.50
8	Dissecting sets	21.60
	Distributors:	
1	Gas	3.00
1	Pressboard	7.50
	Dividers:	
6	Carpenter's	3.35
1791	Draftsman's assortment	2,784.77
3	Spring, B. A. S.	4.30
1	Universal B. & S.	3.00
1	Dog, logging	1.50
37	Doubletrees	101.80
4	Drags, fire	320.00
2	Drainers, of bar	26.00
1	Dresser, emery wheel	3.15
2	Drifts, drill .....	.90
	Drills:	
4	Automatic	10.65
1	Bench	3.00
4	Garden-seed	39.15
1	Oliver	20.00
6	Pipe	3.05
1	Post	14.00
9	Ratchet	6.50
1	Sensitive, "Allen"	70.00
8	Star	4.90
26	Twist, taper shank	25.91
	Drums:	
17	Gasoline	153.50
4	Steel, black	29.00
1	Dynamo, Fisher	48.25
2	Ejectors	6.30
14	Ends, for vertical files	73.42
	Engines:	
1	Beating	150.00
1	Distillate	224.00
7	Gasoline	1,038.40
2	Estimators, timber	50.00
63	Evaporimeters	319.90
3	Eveners	5.58
6	Eye-pieces	52.70
26	Exposuremeters	23.40
	Extinguishers, fire:	
12	Pyroicide	30.00
2	Special	18.50
206	Underwriters	2,398.80
2	Extractors, copper	24.00
260	Fans, electric	2,965.45
100	Ferrules, marking	187.00
22	Figures, steel, 0-9 (sets)	45.70
	Filters:	
3	Ray	4.40
1	Water	4.50
1	Finder, view, Ingento	3.50
2	Fire-sets	4.58
	Flags:	
2	6 by 10 feet	8.00
1	10 by 20 feet	9.50
1	18 feet	11.25
3	Ensign	5.75
2	Pennant	3.25
5	Special	5.25
1	Union jack	2.40
4	Flasks (printing outfit)	11.75
	Flies, tent:	
1	7 by 7 feet	3.80
3	7 by 9 feet	11.34
1	7 by 10 feet	5.00
65	9 by 9 feet	341.25
1	9 by 12 feet	4.50
6	10 by 12 feet	28.09

III. *Permanent improvements, equipment, etc., on hand June 30, 1910, on account of which expenditures shown above were made—Continued.*

No.	Article.	Value.
	Flies, tent—Continued.	
1	10 by 20 feet.....	\$4.50
1	11 by 14 feet.....	4.50
1	12 by 12 feet.....	6.35
6	12 by 14 feet.....	46.30
1	12 by 15 feet.....	12.50
1	12 by 19 feet.....	5.00
305	14 by 14 feet.....	4,323.99
4	14 by 16 feet.....	33.50
2	16 by 20 feet.....	25.00
1	30 by 35 feet.....	31.25
2	Miscellaneous.....	20.00
	Floats:	
4	Copper.....	11.50
1	Horse.....	1.40
14	Forceps, laboratory.....	6.40
154	Forges.....	1,708.88
2	Forks, raising.....	2.75
	Frames:	
1	Hayrack.....	10.00
1	Iron, for shear pieces.....	25.00
1	Map.....	10.50
	Printing—	
2	4 by 5 inches.....	.80
41	5 by 7 inches.....	16.40
26	6½ by 8½ inches.....	13.00
11	8 by 10 inches.....	7.70
3	10 by 12 inches.....	5.15
1	11 by 13 inches.....	3.00
3	11 by 14 inches.....	10.00
4	11 by 16 inches.....	10.19
1	12 by 14 inches.....	3.00
1	13 by 16 inches.....	3.00
3	14 by 17 inches.....	15.00
1	17 by 18 inches.....	5.00
2	18 by 22 inches.....	10.00
1	18 by 30 inches.....	2.50
1	20 by 24 inches.....	2.50
45	24 by 30 inches.....	349.24
1	26 by 36 inches.....	7.50
1	30 by 40 inches.....	3.40
5	30 by 42 inches.....	153.10
1	32 by 44 inches.....	44.00
2	36 by 48 inches.....	45.00
3	miscellaneous.....	5.60
2	16 by 20 inches.....	8.70
2	panorama.....	10.00
1	vacuum.....	25.00
3	Retouching.....	12.00
122	Froes.....	120.32
2	Furnaces, combustion.....	150.00
3	Galleys (printing outfit).....	5.13
	Gauges:	
2	Battery.....	10.00
1	Bit.....	.60
1	Center.....	.30
3	Chemical.....	42.60
3	Drill.....	4.60
1	Hatchet.....	.35
1	Iron-case.....	20.00
14	Lumber.....	14.00
19	Marking.....	8.30
1	Micrometer depth.....	5.00
1	Music wire.....	1.50
1	Oil.....	23.45
1	Paring.....	.50
1	Pica, nonpareil (printing outfit).....	.90
1	Planer and shaper.....	2.00
11	Pressure.....	232.29
8	Rain and snow.....	55.75
59	Saw.....	40.71
	Screw—	
2	Pitch.....	2.50
1	Thread.....	2.00
1	Thickness or slot.....	1.20
1	Turning.....	.50
1	Universal surface.....	3.00
4	Vacuum.....	100.08
4	Wire.....	9.00
1	Gears (pairs).....	7.50

III. *Permanent improvements, equipment, etc., on hand June 30, 1910, on account of which expenditures shown above were made—Continued.*

No.	Article.	Value.
	Generator:	
1	Gas.....	\$5.00
1	Steam.....	25.00
1	Telephone.....	4.86
	Glasses:	
1	Focusing.....	25.00
	Magnifying—	
144	Barrel.....	547.20
89	Draftsman's.....	47.20
98	2-lens.....	50.75
2	3-lens.....	2.00
1	Vest-pocket.....	.50
24	Reducing, draftsman's.....	17.28
16	Grabhooks, etc.....	7.05
2	Graders, road.....	550.00
	Grates:	
7	Camp.....	14.76
1	Fireplace.....	14.00
12	Gravers, engraver's.....	12.00
24	Griddles.....	36.63
	Grinders:	
1	Bench.....	10.00
1	Sickle.....	5.00
1	Twist-drill, Yankee.....	60.00
656	Grindstones.....	2,675.79
4	Grips or telescopes.....	4.35
356	Grips, Buffalo.....	873.50
	Guides:	
2	Saw.....	5.00
34	Stock.....	8.95
8	Guns, shot.....	51.00
5	Hacks, turpentine.....	2.65
117	Halters.....	174.00
	Hammers:	
2,443	Assorted.....	1,705.63
228	Farrier's.....	159.64
801	Marking.....	2,480.20
3	Handcuffs (pairs).....	15.00
	Handles:	
1	Coning-tool.....	5.25
1	Truck-base.....	1.00
12	Engraver's, Buren.....	12.00
70	Hardies, anvil.....	23.97
	Harness:	
4	Dog (sets).....	20.00
74	Double (sets).....	3,321.00
1	Pack (sets).....	3.50
11	Single (sets).....	226.62
5	Single plow (sets).....	15.00
61	Harrows.....	1,093.24
	Hatchets:	
1	Combination, for telephone.....	1.50
1,940	Marking.....	5,256.50
	Heaters:	
1	Gasoline (printer's outfit).....	12.50
1	Glue.....	15.00
2	Soldering iron.....	6.00
12	Tent.....	36.00
2	Hectographs.....	16.00
1	Hellostast.....	33.50
136	Hobbles (pairs).....	126.24
2	Hoes, wheel.....	21.30
3	Hoists.....	108.00
1	Hoists, differential.....	9.00
	Holders:	
345	Blank.....	256.10
1	Boring-tool, Krieger.....	3.50
1	Drill and reamer.....	1.60
2	Gas.....	40.00
7	Laboratory, clamp.....	5.32
1	Mail-bag.....	5.00
1	Map.....	7.50
	Plate—	
27	4 by 5 inch.....	16.00
24	5 by 7 inch.....	35.75
12	5 by 8 inch.....	(1) 22.50
7	6½ by 8½ inch.....	46.56
17	6½ by 8½ inch (Seneca view).....	52.00
38	8 by 10 inch.....	5.50
1	Leather.....	49.70
13	Miscellaneous.....	

¹ Cost included in cost of cameras 5 by 8 inches.

² Cost of 12 included in cost of cameras, Seneca view.

III. *Permanent improvements, equipment, etc., on hand June 30, 1910, on account of which expenditures shown above were made—Continued.*

No.	Article.	Value.
	Holdings—Continued.	
	Roll—	
24	4 by 5 inch.....	\$180.00
4	5 by 7 inch.....	29.50
36	Telephone.....	191.40
3	Tool, Armstrong.....	3.60
1	Hole borer.....	2.86
	Hones:	
1	Lithographic.....	3.00
3	Razor.....	5.54
	Hoods:	
1	Canvas, searchlight.....	1.00
1	Chemical.....	165.00
	Hooks:	
4	Boat.....	.90
3	Pruning.....	2.25
1	Shave, plumber's.....	.25
8	Swamp.....	11.51
1	With rings.....	1.10
158	Horses.....	17,808.50
5,098	Hose (feet).....	796.56
1	Hot well.....	100.00
12	Hydrometers.....	23.50
9	do.....	23.50
100	Hypsometers, assorted.....	1,500.00
75	Hypsometer-grodemeters.....	636.25
2	Igniters.....	70.55
1	Indicator, speed.....	3.15
4	Inkstands, Altenede, pen-filling.....	4.80
9	Instruments, drafting (sets).....	189.00
	Irons:	
78	Branding.....	165.25
18	Chopping-board.....	9.00
18	Clamp (pairs).....	12.60
1	Clinching.....	.50
9	Flat.....	3.96
10	Grab.....	2.50
34	Soldering.....	22.50
1	Soldering, electric.....	1.50
	Jacks:	
1	Grubbing.....	1.32
2	Riehle.....	42.00
4	Wagon.....	11.75
17	Screws.....	40.20
2	Jars.....	3.75
	Keys:	
10,222	Lock, F. S.....	1,124.42
2	Water.....	2.50
	Knives:	
1	Brush.....	4.00
202	Butcher.....	202.00
221	Draw.....	257.15
49	Electrician's.....	28.58
339	Farrier's.....	210.68
1	French.....	.75
6	Hay.....	6.50
1	Leather.....	2.00
1	Microtome.....	15.00
3	Pocket.....	2.50
1	Press button.....	1.00
10	Pruning.....	6.00
2	Shingle.....	3.50
	Kodaks:	
2	3-A.....	42.50
50	4-A.....	1,750.00
62	5 by 4 inches.....	1,550.00
21	7 by 5 inches.....	588.00
66	Ladders, step, etc.....	193.00
75	Lamps.....	200.00
2	Blast, laboratory.....	20.00
3	Dark-room.....	4.50
132	Electric.....	248.35
8	Electric, pocket.....	13.85
1	Flashlight.....	18.00
1	Motor-cycle and bracket.....	14.75
2	Lathes.....	500.00
12	Launches.....	14,367.79
1	Leads, sounding.....	.70
31	Lenses, assorted.....	1,650.96
8	Letters, steel (set).....	31.85
2	Letter plates (sets).....	6.50

III. *Permanent improvements, equipment, etc., on hand June 30, 1910, on account of which expenditures shown above were made—Continued.*

No.	Article.	Value.
	Levels:	
34	Abney	\$357.77
330	Carpenter's	425.35
3	Cross-test	2.25
4	Engineer's, Y	370.50
1	For leveling rod	2.55
213	Locke	1,067.50
1	Triangle ditch	5.00
12	Life preservers	20.00
	Lights:	
1	Combination, for launch	6.00
3	Head	9.75
2	Search	69.09
6	Side	13.50
2,298	Linoleum (square yards)	2,439.96
1	Loading device for testing beams	25.00
3,300	Locks, pad, F. S.	3,729.60
1	Locker	10.00
1	Log, taffrail	18.00
1	Lubricator	3.00
	Machines:	
	Adding—	
7	Burroughs	2,859.81
2	Dalton	534.60
1	Pike	360.00
2	Universal, electric	760.00
6	Wales	1,755.00
4	Blue-printing	1,855.00
1	Blue-printing (Wagenhurst)	500.00
7	Boring	49.50
1	Calculus	125.00
2	Cement-block	50.00
	Computing—	
3	Dactyle	450.00
2	Thatcher's	76.00
3	Drafting	136.90
2	Impact testing	2,400.00
1	Milling, Garvin	778.00
97	Numbering	628.14
	Paper—	
1	Fusey-Jones	3,400.00
1	Cutting	105.00
1	Perforating	10.00
3	Riveting	3.25
1	Rotary grinding	200.00
1	Shoeing	100.00
6	Shaving, phonograph	259.00
1	Stencil cutting	90.00
1	Stitching	249.70
1	Tenon	22.88
	Testing—	
3	Olsen	1,455.00
1	Riehle	790.00
1	Torsional, Riehle	690.00
1	Trenching	16.00
2	Wood-chipping	400.00
1	Magnets .....	.40
1	Magnets, bar	2.50
1	Magnifier for slide rule	2.50
20	Mantas	30.00
13	Maps, special	73.90
1	Marlinspikes	1.10
12	Martingales	30.00
30	Mattresses	118.06
70	Mauls	105.00
	Measure:	
1	Half-bushel .....	.75
1	Light	16.42
1	Map	3.00
1	Megaphone	2.25
1	Metronomes	25.00
14	Micrometers (including calipers and thickness gauges)	101.18
2	Micrometers, stage	6.20
6	Microscopes	357.81
	Microtomes:	
1	Bench	13.50
1	Hand	6.00
2	Minot automatic precision	238.50
12	Mills, fanning	310.00
127	Mimeographs	2,073.90
155	Mirrors	419.43

III. *Permanent improvements, equipment, etc., on hand June 30, 1910, on account of which expenditures shown above were made—Continued.*

No.	Article.	Value.
34	Mirrors, angle	\$142.00
1	Mixer, cement	24.95
454	Minoculars	4,968.21
6	Mortars and pestles	3.03
15	Mortars, electric	2,028.63
1	Mortiser, foot-power	50.00
1	Motor, water	12.00
3	Motorcycles	655.00
2	Molds, paper	22.63
24	Mowers, lawn and horse	1,141.15
1	Muffler, telephone	5.00
14	Mules	2,324.00
5	Neostyles, electric	420.00
4	Nets, fly	14.50
1	Nipper and hammer, wire .....	.90
1	Nose pieces	5.00
2	Nummerirschlagels	20.00
34	Oars (pairs)	59.61
3	Oars (single)	3.40
13	Oarlocks (pairs)	6.50
6	Objectives	164.00
2	Odometers	30.00
38	Oilers	28.25
54	Oilstones	41.00
	Outfits:	
	Cooking—	
16	1-man	80.00
2	2-man	24.00
2	4-man	8.30
1	Photomicrographic	487.35
1	Repair	5.00
81	Tape repair	233.75
	Ovens:	
13	Drying	343.40
1	Drying, electric	78.00
230	Dutch	422.40
1	Laboratory, bomb	38.00
5	Portable, soil	25.00
10	Paddles, canoe	18.00
24	Pans, gold	12.00
9	Pantographs	63.84
1	Paper-roll	1.25
8	Parallels, adjustable	2.00
1	Parer, apple	2.25
169	Paulins	815.90
1	Pedometer	4.50
	Pens:	
2	Dotting, with cases	8.00
2323	Draftsman's, assorted	2,388.25
2487	Fountain	4,476.60
5	Stylographic	9.78
1	Perforator, Damon (printing outfit)	4.90
41	Phonographs	2,536.47
10	Photometers	70.00
1	Pick, ice .....	.50
14	Pillows (pairs)	20.75
7	Pincers, clamp	29.00
1	Pinions, motor driving	15.00
631	Planes, carpenter's	1,329.07
	Planers:	
1	Berlin	382.00
	And jointers—	
1	Clement's	150.00
1	Oliver	283.50
1	And mallets .....	.65
1	Proof (printing outfit) .....	.50
31	Planetables	1 6.00
191	Planimeters	1,911.55
2	Planographs	6.75
	Planters:	
1	Ball	2.14
106	Seed, corn, etc	209.70
	Plates:	
2	Electric, hot	14.40
2	Steel	14.08
1437	Pliers, pincers, etc	1,734.39
130	Plows	2,018.76
1	Plows, carpenter's	5.65
184	Plumb-bobs	109.25

¹ Cost of 30 included in cost of 30 Alidades, telescopic.

III. *Permanent improvements, equipment, etc., on hand June 30, 1910, on account of which expenditures shown above were made—Continued.*

No.	Article.	Value.
	Poles:	
74	Pike	\$104.86
67	Range	106.10
3	Pole rests (or deadmen)	11.18
1	Post, drilling	10.00
1	Pot, fire	3.75
1	Pot, glue .....	.45
1	Pot, solder, and ladle	1.00
	Presses:	
2	Drill	75.00
3	Hay	259.00
3	Copying	26.50
1	Herbarium	1.50
31	Letter	218.70
1	Mimeograph	21.95
1	Molding (printing outfit)	45.50
1	Mounting	46.00
1	Printing, job	281.15
1	Pulp	231.00
5	Seal	17.50
1	Tablet (printing outfit)	3.45
1	Tincture, laboratory	6.50
1	Pricker, alteneder .....	.85
2	Propellers, reversing	8.00
7	Protectograph, check	180.00
1,399	Protractors	677.02
1	Bevel	2.00
9	Vernier, with arm	85.05
15	Psychrometers	60.50
	Pullers:	
13	Nail	16.37
3	Spike	15.85
13	Staple	13.78
	Pumps:	
5	Air	267.03
6	Bilge	18.50
2	Centrifugal	100.90
1	Cistern	1.00
20	Filter	29.65
4	Force	596.46
3	Horizontal	111.00
1	Oil	1.00
1	Rotary	25.50
10	Spray	59.80
2	Steam	94.55
1	Tank	1.75
1	Vacuum	462.00
6	Water	106.10
	Punches:	
107	Assorted	188.34
6	Atlas, "Banner"	175.50
4	Shoeing	1.58
1	Pyrometer, Whipple	231.00
	Racks:	
1	Book .....	.75
9	Cooking	28.80
1	Hay	15.00
1	Lead, Wisconsin (printing outfit)	4.95
3	Map	11.50
1	Map-tube	6.75
2	Negative	2.12
1	Paper	4.00
1	Stationery	10.00
1	Wall	1.50
1	Radiator, gas	6.75
17	Rakes, hay, horse	558.11
4	Rams, hydraulic	40.10
13	Range finders	104.00
61	Reamers	91.74
18	Receivers, rubbish	49.90
2	Reels and barrows	21.00
45	Reels, hose, wire, etc.	588.63
1	Reflector, searchlight	3.50
2	Refractometers	232.70
4	Refrigerators	42.00
	Registers:	
1,743	Tally	3,254.34
2	Telephone	76.00
4	Regulators, gas, pressure	13.50
2	Retorts, copper	94.50
2	Revolvers	19.35

III. *Permanent improvements, equipment, etc., on hand June 30, 1910, on account of which expenditures shown above were made—Continued.*

No.	Article.	Value.
1	Rifle.....	\$9.00
5	Robes, buggy.....	14.85
	Rods:	
2	Fishing.....	3.00
138	Leveling and stadia.....	992.67
1	Transit.....	1.65
	Rolls, map:	
7	Assorted.....	36.00
20	Jenkins.....	1,079.00
11	Johnston.....	77.00
1	Roll cutters, paper.....	1.25
1	Roller, print.....	2.50
1	Rolling cutter.....	1.50
2	Roulettes, engravers'.....	10.00
60	Rugs.....	475.05
	Rules:	
10	Board.....	5.50
	Boxwood—	
1,064	6-inch.....	526.12
727	12-inch.....	993.63
4	Curve.....	8.85
	Folding—	
2	12-inch.....	1.00
89	24-inch.....	28.25
2	6-foot.....	1.25
1	Hook.....	1.25
321	Metal, 12-inch.....	491.65
1	Metric.....	1.50
12	Miscellaneous.....	3.00
105	Parallel.....	72.35
2,564	Scalers'.....	1,776.76
60	Slide.....	455.87
12	Steel, B & S.....	9.50
	Sacks:	
1	Canvas, for saddle.....	3.50
17	Pack.....	45.50
	Saddles:	
235	Pack.....	1,479.66
94	Riding.....	2,110.99
	Safes:	
8	Iron.....	1,407.00
1	Screen meat.....	1.00
15	Samplers, soil, or geotomes.....	122.00
	Saws:	
3	Band.....	17.49
1	Band (Oliver).....	308.00
12	Circular.....	74.60
2,742	Crosscut, hand, etc.....	8,072.85
1	Cut-off, one-swing.....	100.00
7	Hack (frames).....	7.20
1	Hack, special.....	42.75
1	Ice.....	3.75
102	Meat.....	110.86
3	Metal slitting.....	3.65
1	Nut.....	1.25
1	Sawmills.....	405.50
258	Saw sets.....	223.23
1	Saw sets, circular.....	10.00
110	Saw tools (sets).....	82.50
	Scales:	
1	3-inch.....	.50
4	4-inch.....	2.80
1	6-inch.....	1.00
4	9-inch.....	5.60
1	24-inch.....	3.00
140	Scales and balances.....	1,276.92
1	Scalers, tie.....	5.00
1	Scalpels.....	1.00
1	Scoops, grain.....	1.50
3	Scows.....	218.42
	Scrapers:	
2	Box.....	.80
47	Drag and road.....	426.78
1	Engravers'.....	3.00
1	(Printing outfit).....	.50
1	Soldering iron.....	.50
	Screens:	
5	Fire.....	15.00
49	Portable.....	208.00
3	Pulp.....	525.00
1	Seed-cleaning.....	2.25
1	Stereopticon.....	11.00

III. *Permanent improvements, equipment, etc., on hand June 30, 1910, on account of which expenditures shown above were made—Continued.*

No.	Article.	Value.
7	Screen plates, pulp.....	\$68.20
	Screws:	
43	Bench.....	29.83
16	Hand.....	7.90
39	Screw-drivers.....	34.03
1	Screw-driver set.....	3.60
6	Screw plates (sets).....	75.25
1,028	Scrubbers, timber.....	731.68
1	Scriber.....	.40
2	Seals, for lead buttons.....	5.00
1	Seat, buggy.....	8.00
1	Section lifter.....	.35
9	Section liners.....	37.85
1	Seed mixer and sampler.....	30.00
12	Settees.....	400.00
1	Shaper, crank, Cincinnati.....	395.00
	Sharpeners:	
3	Cork borers.....	2.30
11	Pencil.....	54.80
	Shears:	
27	Brush and hedge.....	56.89
1	Cogged.....	1.85
54	Pruning.....	97.90
3,193	Sheaths, ax, etc.....	2,106.97
2	Sheaves, triplex hoist.....	7.20
	Sheets:	
5	Bed, canvas.....	34.50
20	Seeds.....	160.00
3	Shelves, reference, etc.....	4.80
1	Shield, canvas.....	2.75
	Shutter:	
1	Graflex, focal plane.....	27.00
1	Zeiss, convertible.....	70.94
224	Sickles and scythes.....	285.63
1	Side files, saw.....	.75
2	Sieves or riddles, grain.....	2.60
5	Sieves, laboratory, brass.....	5.60
15	Sieves and screens, sand.....	13.75
2	Sights, level (pairs).....	1.50
1	Signal, code (set).....	22.50
5	Sign markers, Easey, etc.....	28.00
99	Singletrees.....	83.10
3	Sinks.....	19.10
2	Skis (pairs).....	12.00
	Slab:	
1	Imposing (printing outfit).....	15.60
1	Ink (printing outfit).....	.90
1	Mixing (printing outfit).....	1.60
16	Sleds and sleighs.....	131.50
1	Slicker.....	3.50
1	Sling for condenser.....	12.50
3	Slips.....	1.50
29	Snips, tinners'.....	38.35
18	Snowshoes (pairs).....	97.25
4	Sockets for H. & M. thermometers.....	20.50
1	Sockets, lathe.....	2.38
1	Sparker.....	15.00
33	Speeders, railroad.....	1,645.12
1	Splines (set).....	10.00
16	Spokeshaves.....	7.20
1	Spools, wire.....	6.00
6	Sprays or sprayers.....	21.45
21	Springs, bed.....	83.25
36	Sprinklers and nozzles.....	32.78
2	Spuds, stump and digging.....	6.80
	Squares:	
953	Carpenter's.....	564.66
1	Miter.....	.75
851	Tee.....	815.10
	Stands:	
17	Dictionary.....	72.00
2	Double news (printing outfit).....	8.30
1	I. C. with swing-out Abbe condenser.....	110.00
22	1 laboratory, assorted.....	25.00
1	Micrometer.....	2.00
27	Miscellaneous.....	100.00
1	For oil-jacketed cylindrical retort.....	17.50
26	Phonograph.....	57.20
8	Telephone.....	22.60
750	Typewriter.....	2,678.68
13	Wash.....	57.15
21	Water cooler.....	66.39

III. *Permanent improvements, equipment, etc., on hand June 30, 1910, on account of which expenditures shown above were made—Continued.*

No.	Article.	Value.
10	Steels, butchers'	\$14.35
	Stencils:	
65	Sets	79.49
59	Miscellaneous	63.65
4	Stereopticons	248.45
	Sticks:	
40	Biltmore	40.00
1	Composing (printing outfit)	1.20
2	Job	4.60
3	Stills, water	150.00
16	Stocks and dies (sets)	106.44
34	Stocks, die	35.50
2	Stocks, pipe	12.00
18	Stones, lithographic	293.94
6	Stops, bench	3.80
	Stoves:	
2	Alcohol	10.50
2	Electric	10.70
6	Gas	25.65
2,058	Heating, cooking, etc.	29,981.23
6	Oil	34.40
473	Straightedges	474.35
3	Strainers	5.25
	Straps:	
1	Bed (pairs)	2.75
1	Plant-press (pairs) .....	.75
	Stretchers:	
21	Assorted	76.15
2	Fence	15.00
274	Wire	420.11
22	Supports, laboratory, assorted	7.97
5	Swages, saw	5.70
1	Sweepers, carpet	3.50
9	Switchboards	188.10
1	Syringes, horse	1.25
	Tables:	
2	Adjustable support, laboratory	4.50
1,331	Assorted	13,101.08
141	Drafting	1,581.33
1	Roller, for cut-off saw	56.00
36	And stands, steel, Atlas	1,318.50
133	Tanks and trays, assorted	2,669.34
	Taps:	
5	And dies (sets)	40.30
20	Hand "U. S. S."	25.25
18	Machine-screw	4.20
20	Pipe	17.35
6	Stove-bolt .....	.57
4	Taper	4.00
	Tapes:	
1	Metallic or linen—	
	25-foot	2.50
210	50-foot	376.20
25	100-foot	88.75
3	10-meter	4.50
45	Steel—	
	6-foot	39.72
213	12-foot	342.90
7	25-foot	27.75
702	50-foot	3,254.89
1	66-foot	4.00
1	75-foot	4.50
202	100-foot	1,517.41
1	200-foot	7.50
72	Bandchain—	
	100-foot	339.10
1	100-link	6.00
8	300-foot	90.00
1	330-foot	36.00
3	Taper sleeves	2.64
726	Telephones	7,531.14
	Telescopes:	
5	"Marvel"	21.00
1	Saddle	12.50

III. *Permanent improvements, equipment, etc., on hand June 30, 1910, on account of which expenditures shown above were made—Continued.*

No.	Article.	Value.
	Tents:	
4	Tents, 16 by 20 feet.....	\$72.00
366	5 by 7 feet.....	3,557.70
19	7 by 7 feet.....	101.50
1,566	7 by 9 feet.....	19,531.80
1	7 by 10 feet.....	12.00
18	8 by 10 feet.....	177.85
92	9 by 9 feet.....	1,285.05
1	9 by 10 feet.....	12.00
1	9 by 12 feet.....	9.50
3	10 by 10 feet.....	25.50
67	10 by 12 feet.....	777.40
1	10 by 14 feet.....	14.00
13	12 by 12 feet.....	211.92
24	12 by 14 feet.....	350.30
15	12 by 16 feet.....	248.37
1	12 by 19 feet.....	16.00
393	14 by 14 feet.....	17,815.55
17	14 by 16 feet.....	388.10
1	14 by 18 feet.....	24.00
1	14 by 20 feet.....	25.00
3	16 by 18 feet.....	60.00
1	16 by 24 feet.....	22.50
1	16½ by 26 feet.....	32.00
1	20 by 20 feet.....	69.50
7	Baker.....	98.40
1	Hip-roof.....	10.00
1	Spencer.....	13.50
1	Trapper's.....	8.50
	Testers:	
2	Beam.....	50.00
1	Gauge.....	95.00
1	Oil.....	13.00
1	Paper.....	75.00
120	Test-sets, telephone.....	2,017.42
5	Thermographs.....	275.00
	Thermometers:	
100	Assorted.....	600.00
2	Bristol, recording.....	126.00
25	Soil.....	70.00
2	Thermo-regulators.....	4.00
1	Thermostat.....	2.75
5	Toilet sets.....	9.60
	Tongs:	
240	Blacksmith's, etc.....	161.32
6	Ice.....	5.70
8	Pipe.....	37.55
1	Pump.....	6.00
16	Skidding.....	56.52
	Tools:	
6	Armstrong.....	9.20
1	Barbed-wire.....	.90
3	Compression, spherical-headed.....	147.00
1	Corking.....	1.20
10	Electrician's.....	3.00
7	Fence.....	3.75
3	Fire-fighting, special.....	23.50
5	Lineman's, Buffalo.....	25.75
1	Milling machine, Garvin (set).....	40.00
1	Scraping (set).....	10.00
5	Shearing.....	100.00
1	Turning, Oliver (set).....	10.00
6	Set, handled.....	10.65
	Torches:	
45	Assorted.....	65.71
42	Blow.....	149.00
1	Trammels.....	3.50
30	Transits and tripods.....	5,060.95
3	Transplanters.....	9.85
2,975	Traps, steel.....	2,350.00
136	Traverse boards.....	1,717.04
	Trays:	
1	Card, bill size, Y & E.....	7.85
55	Desk.....	76.75
25	Photographic.....	50.56
2	Sorting, L. B., and stands.....	30.00
5	Trenchers, hand.....	31.00
	Trestles:	
22	Drawing-board (pairs).....	40.76
4	Map-case.....	5.34
2,147	Triangles.....	\$34.42

III. *Permanent improvements, equipment, etc., on hand June 30, 1910, on account of which expenditures shown above were made—Continued.*

No.	Article.	Value.
2	Triangles, platinum.....	\$20.00
	Trimmers:	
18	Photo.....	182.75
4	Tree.....	6.75
2	Wood, Oliver.....	282.50
	Tripods:	
270	Camera.....	862.96
13	Laboratory.....	3.57
31	Planetable.....	135.00
1	Scales, Fairbanks.....	3.00
1	Stereopticon.....	10.00
656	Surveyor's.....	2,695.30
140	Traverse-board.....	(2)
1	Trolley and triplex block.....	104.00
185	Trowels.....	145.47
	Trunks:	
166	Assorted.....	1,455.90
1	Stereoscopic.....	37.50
	Tubes:	
1	Phonograph.....	2.00
4	Vacuum.....	6.40
2	Turners, wire.....	.50
4	Tuyure irons.....	6.00
1	Tweezers.....	.75
	Twisters:	
1	Drill.....	.75
1	Wire.....	.75
	Typewriters:	
17	Blickensderfer.....	722.50
	Densmore—	
1	No. 2.....	67.50
12	No. 5.....	942.00
2	Elliott-Fisher.....	300.00
1	Junior.....	15.00
	Monarch—	
2	No. 1.....	156.00
101	No. 2.....	8,050.00
10	No. 3.....	1,076.00
	Oliver—	
86	No. 3.....	6,113.74
467	No. 5.....	34,044.30
1	No. 5, 18 inches.....	87.48
	Remington—	
3	No. 6.....	240.00
112	No. 7.....	8,960.00
14	No. 10.....	1,120.00
3	Royal Standard.....	175.50
1	L. C. Smith.....	80.00
	Smith Premier—	
2	No. 2.....	160.00
1	No. 4.....	80.00
4	Standard folding.....	190.00
71	Sun.....	3,372.50
	Underwood—	
24	No. 3.....	2,544.50
8	No. 3, check.....	672.00
236	No. 5.....	18,880.00
	Umbrella:	
1	Stereoscopic, folding.....	4.00
1	Wagon.....	2.50
1	Undercutters.....	3.75
	Valves:	
4	Davis regulating.....	74.61
1	Floot.....	1.90
1	Phosphor bronze.....	4.00
2	Viscosimeters.....	97.50
	Vises:	
4	Belt, with straps.....	8.00
82	Carpenter's, pipe, etc.....	436.97
1	Circular saw filing and jointer.....	10.00
1	Filing bandsaw.....	12.00
1	Hand.....	20.00
3	Voltmeters.....	12.00
1	Vulcanizers (printing outfit).....	161.00
80	Wagons.....	8,576.07
2	Walls, common tent, 7 by 35 feet.....	17.80
2	Washers, negative and plate.....	5.53
	Watch:	
1	Ingersoll.....	1.00
1	Stop.....	3.50

¹ Cost of 30 included in cost of 30 telescopic alidades.

² Included in cost of traverse boards.

III. *Permanent improvements, equipment, etc., on hand June 30, 1910, on account of which expenditures shown above were made—Continued.*

No.	Article.	Value.
1	Wattmeter.....	\$56.00
	Weights:	
40	50-pound standard.....	70.00
11	Sets.....	49.50
108	Spline.....	81.41
95	Wheels and grinders, emery.....	419.16
1	Wheels, tiller.....	2.50
101	Wheelbarrows.....	472.90
4	Whistles, boat.....	27.00
2	Windlasses.....	10.30
522	Wrenches, assorted.....	528.19
	Wringers:	
15	Mop.....	35.25
1	Press-copy.....	8.50
2	Writer-presses.....	300.00
1	Xylometers.....	7.00
	Yokes:	
2	Carrying, for canoe.....	4.50
1	Neck.....	1.50
24	Zuwachsbohrers.....	96.00
		636,816.40

IV. *Summary—July 1, 1899, to June 30, 1910 (11 years).*

Debits:		
(1)	Total expenditures from Forest Service appropriations for forest work.....	\$16,657,759.98
(2)	Expenditures for printing and binding, bulletins, circulars, etc., paid from departmental appropriation for printing and binding.....	236,667.60
(3)	Payment to States, refunds, and other miscellaneous disbursements under the general direction of the Forest Service.....	1,817,753.45
	Total expenditure.....	18,712,181.03
Credits:		
(a) Receipts—		
(1)	From national-forest resources (\$8,346,967.20 less \$208,844.51 collected by Interior Department)....	\$8,138,122.63
(2)	From miscellaneous sources.....	7,358.23
(3)	From contributions for cooperative work with the Forest Service.....	109,846.63
		\$8,255,327.49
(b) Improvements and property on hand June 30, 1910—		
(1)	Permanent improvements, other than equipment....	1,864,226.63
(2)	Equipment and other nonexpendable property.....	636,816.40
(3)	Supplies and expendable property on hand June 30, 1910 (estimated).....	96,325.68
		2,597,368.71
	Balance (net expenditures for investigative work and for protection, etc., of the national forests for the 11 years beginning July 1, 1899, and ending June 30, 1910).....	7,859,484.83

V. *Classification of employees, Forest Service.*

Officers, clerks, etc.	1900	1901	1902	1903	1904	1905	1906	1907	1908	1909	1910
<i>In Washington.</i>											
Forester and Associate Forester...	1	1	1	1	1	2	2	2	2	2	2
Assistant Forester.....			4	4	4	4	5	8	8	11	8
Chief and assistant chief of office and section.....	1			1	1	2	1	19	30	10	12
Law officer and assistant law officer.....								1	1	2	3
Law examiner, law clerk and land-law clerk.....						4	2	5	19	13	6
Dendrologist, dendrochemists, etc.			1	1	1	1					6
Artist and map colorist.....						1	1	1	4	3	6
Expert (office).....		1	2	2	4	7	9	10	16	20	15
Geographer and topographer.....								2	4	2	2
Photographer, assistant photographer, lithographer, and helper.....		1	3	3	5	3	4	6	6	6	7
Clerk, bookkeeper, stenographer, typewriter, copyist, and assistant.....	14	15	23	37	55	103	146	229	369	171	138
Computers.....			2	2		1					

V. Classification of employees, Forest Service.—Continued.

Officers, clerks, etc.	1900	1901	1902	1903	1904	1905	1906	1907	1908	1909	1910
<i>In Washington—Continued.</i>											
Draftsmen.....			2	3	9	10	17	29	44	12	12
Carpenter, painter, electrician, machinist, etc.....		1	1				8	7	10	7	8
Watchmen, janitor, messenger, and messenger boy.....				4	6	9	19	22	28	21	20
Charwomen.....			4	3	4	4	6	9	13	13	13
Laborers, skilled and unskilled...	13	33	27	30	28	28	14	9	17	8	15
Total in Washington.....	29	52	70	91	117	179	234	359	571	301	257
<i>Out of Washington.</i>											
District forester, associate and deputy district forester.....										12	11
Assistant district forester and district assistant.....	1										38
Agents, special agents, etc.....	14	29	16	34	40	32	18	16	24	31	17
Collaborators.....	11	22	19	21	21	13	33	28	28	20	5
Assistant forest expert and forest and field assistant.....	1	3	41	81	96	110	117	99	109	132	254
Expert, examiners, miners, sur- veyors, plant ecologists, field.....	2	1	6	6	8	7	21	22	36	35	52
Planting and grazing assistant.....		1						5	13	12	10
Lumberman, scaler, and cruiser.....	1	1	1	1	1		2	14	12	21	19
Civil engineer, constructing engi- neer and superintendent tele- phone construction.....				1	1	1	2	2	14	10	5
Engineer in timber tests, wood preservation, laboratory, etc.....					2	1	9	13	9	12	21
Forest students and student assist- ants.....	29	72	94	61	21	31	22	6	4	2	2
Forest inspectors, grazing inspect- ors, and assistant inspectors.....						16	29	31	6	6	3
Forest supervisor and deputy fore- st supervisor.....						52	61	101	161	216	245
Forest ranger.....						408	42	94	186	173	256
Deputy forest ranger.....							115	258	506	436	64
Assistant forest ranger.....							420	409	361	581	1,058
Forest guard.....						86	264	530	554	485	723
Clerk, stenographer, typewriter.....								23	95	255	320
Scientific assistant, timber-testing assistant, and aid.....	1			1		1	1		20	9	9
Forest superintendent.....						2		1			
Game warden, rodman, lineman, etc.....								1	1	3	3
Chief and assistant chief, office and section.....										56	6
Draftsman.....										17	21
Artist and map colorist.....										5	6
Law officers, law clerks, etc.....										20	18
Watchman, janitor, messenger, etc.....										23	22
Laborers, packers and carpenters, etc.....									11	8	6
Total out of Washington.....	60	129	177	206	190	760	1,156	1,653	2,182	2,580	3,194
Grand total, Forest Service.....	89	181	247	297	307	939	1,390	2,012	2,753	2,881	3,461

VI. Expenditures for compensation of persons engaged in writing descriptive or other matter for publication.

This includes (a) compensation paid in the form of salaries and (b) compensation paid in the form of purchase of completed manuscripts.

(a) *In salaries.*—At no time since July 1, 1899, has any person been employed by the Forest Service merely to write matter for publication. All material which has been prepared by salaried employees for publication in any form or through any agency whatever has been written by persons employed primarily for other purposes. These purposes may be enumerated as follows:

(1) Original investigations, conducted for the purpose of acquiring new knowledge. The results of such investigations are, when of importance, first published in official bulletins. Lesser results are sometimes prepared for publication in technical journals or proceedings of learned societies or for publication by States, cooperating associations, etc. Subsequently, the information gathered may be given more extensive circulation in some popularized form, either as a Farmers' Bulletin, Forest Service

circular, or other form of public document, or through preparation for use by newspapers or other private agencies of publication. All investigators employed by the Forest Service who have done work of any considerable importance have doubtless been engaged at some time in writing matter for publication, either in official bulletins (which contain portions contributed by various persons besides the author) or in magazines, newspapers, etc.; but no record exists as to the exact amount of time given to such work, and consequently no statement can be made of the amount of compensation paid for it. Moreover, it is not believed that the purpose of the provision of law in response to which this report is made was to call for such a statement. Presumably the purpose of the provision was to ascertain to what extent, if at all, compensation has been paid to persons employed primarily as writers of material intended for publication in newspapers and magazines; and when it has been made clear that writers have not been employed by the Forest Service for this purpose, the information desired will have been supplied.

(2) Compilation of existing data: Besides gathering new knowledge through original scientific investigations, the Forest Service has worked up much material for publication by assembling, analyzing, and recombining or developing to new conclusions data previously gathered either by its own or by outside investigators. Examples of such studies which have furnished the material for public documents are: Bulletin 83, Forest Resources of the World; Bulletin 78, Strength Values for Structural Timbers. As in the case of original investigations, studies of this kind have also furnished material for publication in Proceedings, State reports, and various other forms of print, including technical journals, magazines, and newspapers. Here again there is no record of the precise amount of time given to such work or of its cost. A considerable part of the technical force of the Forest Service has, at one time or another, had some employment in such work.

(3) Supervision and administration: The officers in charge of the various lines of work, in Washington and in the districts, have given time to the preparation of material for publication both by the department and by outside agencies; but how much time it is impossible to say. Two recent examples of such work, one of which was published in the American Lumberman and the other in various California newspapers, are appended as Exhibit A. Throughout the Forest Service the effort has steadily been to furnish to the public, whenever possible, information which it was evidently desirable that the public should have because of its value; and in doing this, advantage has been taken of the readiness of newspaper and magazine writers and publishers to print such information, whenever it appeared that its diffusion in this way would most effectively promote the purposes for which the Forest Service was created and is maintained. The method employed, however, in preparing such material (furnished in accordance with the provision of the appropriation act which sets forth that "this shall not prevent the giving to all persons without discrimination, including newspaper and magazine writers and publishers, of any facts or official information of value to the public") has not been that of employing a special force of writers to produce articles; the men possessed of first-hand information or in direct charge of the line of work concerned have been depended on to supply the facts, which were then put into the best shape for newspaper use by a process of editing.

(4) Editing official publications: Under the conditions existing in the Forest Service it has been necessary to provide for a thorough review of all proposed publications by an editorial force so organized as to insure careful criticism of the substance of texts from a technical standpoint, as well as to promote effectiveness and economy by clearness and directness of statement and the elimination of superfluous material. A combination of reasons has made especially needful the provision for such editing in the Forest Service. In bureaus which exist primarily for scientific research the organization is naturally along corresponding lines. The men in supervisory positions are practically directors of research, and the putput of the bureau in publications becomes in a sense the measure of its productive work. But in the Forest Service the principal task is the administration of the national forests, and even of the purely scientific work a large part is carried on in order to obtain a basis for better administrative work. The main output of the service is not publications, but public business transacted and public property conserved. In consequence the men in the higher positions can not give the amount of time to reviewing and perfecting the manuscripts submitted for publication which is necessary in order to maintain a high standard of technical accuracy. This condition is accentuated by the need for administrative officers to spend much of their time in the field. On the other hand, with a subject so new as American forestry, in which each investigator has been likely to find himself a pioneer exploring some previously untrodden territory, and with men still young in the work, there was the greater need for critical review of all matter intended for official publication; while the fact that most of these publications were prepared not solely for the use

of specialists but for lumbermen, farmers, and wood users of various kinds, and for the information of the general public, called for especial care to secure simplicity and directness of statement and to avoid over-technicality of form.

In short, the Forest Service has, practically throughout the period covered by this report, had in its employ one or more men of special training, engaged primarily in editing manuscripts for official publication. This editorial force has corresponded closely with the editorial force which the Geological Survey employs. Like the members of the Forest Service engaged primarily in original investigations, in compilation of data, and in administrative work, these editors have, as occasion arose, written matter for publication, both in official bulletins and circulars and in periodicals of various kinds, including newspapers; but they were not employed as writers, nor regularly engaged in writing, any more than were the employees engaged on the other lines of work specified above. The statement of the names of the persons who have been engaged in editorial work, and the salaries paid them, is, however, given below in order that the actual facts with regard both to the number of men employed in editorial work and the amount of expenditures involved (sometimes mistakenly assumed to be for the employment of writers as press agents) may be made clear. In short, there has at no time been in the Forest Service a large force of editors, nor has the compensation paid to them ever amounted to any considerable sum; and the small force which has been employed has been engaged, not as has sometimes been alleged, in writing magazine and newspaper articles but in reviewing and preparing for the press the manuscripts submitted in regular course with a view to their official publication.

Editorial force of the Forest Service, 1900-1910.

Fiscal year.	Name.	Total salary paid during year.	Number of publications issued.
1899-1900	Treadwell Cleveland, jr.	\$719.40	6
1900-1901	Herbert A. Smith	419.73	6
1901-1902	do	217.00	8
1902-1903	do	\$539.00	
	Edward A. Braniff	890.00	
		1,429.00	18
1903-1904	Herbert A. Smith	980.00	10
1904-1905	do	1,200.00	
	Alfred Gaskill	500.00	
	Findley Burns (3 months, 8 days)	275.00	
	Treadwell Cleveland, jr. (4 days)	20.83	
		1,995.83	20
1905-1906	Herbert A. Smith	1,867.34	
	Findley Burns	1,083.33	
	Treadwell Cleveland, jr. (2½ months)	312.50	
	Thomas E. Will (2½ months)	350.00	
		3,613.17	20
1906-1907	Herbert A. Smith (9½ months)	2,013.89	
	Findley Burns	1,266.67	
	Treadwell Cleveland, jr. (2 months)	300.00	
	Thomas E. Will	250.00	
	Bristow Adams	1,300.00	
	Hu Maxwell (2½ months)	261.18	
		5,391.74	61
1907-1908	Findley Burns	1,600.00	
	Treadwell Cleveland, jr. (1 month)	150.00	
	Bristow Adams	1,500.00	
	Everett W. Smith	1,050.00	
		4,300.00	75
1908-1909	Findley Burns	1,800.00	
	Bristow Adams	1,600.00	
	Everett W. Smith (6 months)	750.00	
		4,150.00	63
1909-1910	Findley Burns	1,800.00	
	Treadwell Cleveland, jr.	1,650.00	
	Bristow Adams	1,650.00	
	Everett W. Smith	1,500.00	
		6,600.00	27

(5) Promoting the diffusion of information relating to forests and forestry through its use by newspapers and periodicals.—In the earlier years covered by this report no individual members of the Forest Service were assigned especially to this work, which then consisted chiefly of the preparation of brief summaries of publications about to be issued, as press notices. Between 1904 and 1910, however, there were in the Forest Service from one to four men whose duty, or a part of whose duty, it was to promote the diffusion of useful information through the press. While these men

were often employed upon the actual writing of material, it would be both inaccurate and misleading to report their salaries as "compensation of persons engaged in writing descriptive or other matter for publication." The work involved was principally that of putting into shape for newspaper use the material prepared by technical and administrative men and the development of a system which would insure as wide use as possible of all information given to the newspapers. Further, except for one man whose term of employment extended from May 9, 1904, to September 15, 1905, and another whose term of employment extended from May 1, 1907, to January 25, 1910, much, if not most, of the time of the men whose salaries are included in the statement below was given to other kinds of work. In other words, there was never in the Forest Service at any one time more than one man employed exclusively upon publicity work, and much if not most of the money expenditure reported below was actually compensation for work done in editing official publications, compiling scientific data, writing official publications and reports, and miscellaneous duties connected with the general administrative work of the service.

The names of the men partly or wholly employed in putting information into shape for use by newspaper and magazine writers and publishers, and in providing for its distribution, and the amounts of salary paid them during the years or portions of years when they were assigned or detailed to this work, are shown as follows:

Fiscal year.	Name.	Total salary paid during year.
1903-1904	Peyton Brown (1½ months).....	\$174.72
1904-1905	Peyton Brown.....	1,200.00
1905-1906	Peyton Brown (2½ months).....	\$250.00
	Treadwell Cleveland, jr. (9½ months).....	1,270.78
		1,520.78
1906-1907	Treadwell Cleveland, jr. (10 months).....	1,500.00
	Herbert A. Smith (2½ months).....	519.44
	Raymond W. Pullman (2 months).....	300.00
		2,319.44
1907-1908	Herbert A. Smith.....	2,700.00
	Raymond W. Pullman.....	1,800.00
	Treadwell Cleveland, jr. (11 months).....	1,650.00
	Hu Maxwell (6 months).....	1,000.00
		7,150.00
1908-1909	Herbert A. Smith.....	3,000.00
	Raymond W. Pullman.....	2,400.00
	Treadwell Cleveland, jr.....	1,495.00
	Everett W. Smith (6 months).....	750.00
		7,645.00
1909-1910	Herbert A. Smith.....	3,000.00
	Raymond W. Pullman (7 months).....	1,366.67
		4,366.67

In addition to the persons employed as described above, there was employed from October 1, 1907, to March 15, 1909, one other person, Mr. Thomas R. Shipp, who had been appointed as an associate editor with the expectation that he would be engaged in this line of the Forest Service's work. Owing, however, to the demands of work which was devolved upon the Forest Service by presidential assignment, this expectation was never fulfilled. His name, therefore, does not appear in either of the above statements.

There remains to be reported the compensation to persons engaged in writing matter for publication in the form of—

(b) *Purchase of completed manuscripts.*—The following statement shows all payments made between July 1, 1899, and June 30, 1910, for manuscripts purchased from writers:

Year.	Name of writer.	Title of manuscript purchased.	Price paid.
1900	C. S. Harrison.....	Forestry for Central Nebraska from Seed Bed to Plantation.....	\$100.00
1900	W. Goodrich Jones.....	Forestry in Texas.....	50.00
1902	F. L. Clarke.....	Report with original map of the San Bernardino Reservation.....	100.00
1902	A. J. McClatchie.....	Eucalypts Cultivated in the United States.....	425.00
1904	Ernest Bruncken.....	State and Federal Forest Laws.....	500.00
1904	Austin Cary.....	Observations on Deteriorations of Burnt Timber.....	30.00
1908	L. C. Glenn.....	Denudation and Erosion in the Southern Appalachian Mountains.....	1,650.00
1908	P. W. Ayres.....	Commercial Importance of the White Mountain Forests.....	206.00
1909	C. R. Pettis.....	How to Grow and Plant Conifers in the Northeastern States.....	100.00
	Total.....		3,161.00

Outside of the expenditures made in the manner and for the purposes already set forth, no payments whatever were made as compensation to any person for writing matter of any kind (other than official advertisements of timber sales, contracts for the purchase of supplies, and similar matters required by law, and official forms, instructions, and the like) intended for, or which has received publication in, any book, trade journal, magazine, newspaper, brochure, pamphlet, or any other form of print.

It appears, therefore, that during the 11 years covered by this report no payment of public moneys was made by, through, or on account of the Forest Service for the compensation of persons engaged in writing descriptive or other matter for publication, official or otherwise, save as indicated above; and the total amount paid in the entire 11 years for the services of editors and others employed in preparing matter for publication either by the Forest Service or by any outside agency, and in promoting the diffusion of information valuable to the public through its use by newspaper and magazine writers and publishers, as \$54,197.48, or an average of \$4,927.04 per year, of which amount a considerable percentage was compensation for time spent in the discharge of other duties, such as work of compilation, investigation, and supervision.

In this connection it is proper to point out that the figures published in the annual reports of the Forester for the years 1908 and 1909, which gave the total expenditures for the "diffusion of information" in those years as \$55,665.88 and \$82,790.02, respectively, have been misinterpreted as indicating that these sums were spent largely as compensation to writers of publicity material and to lecturers. As a matter of fact the great bulk of the expenditures thus reported represents the cost of correspondence and of clerical and other labor required to maintain mailing lists, attend to requests for publications, address envelopes, etc., the cost of equipment purchased, and a part of the cost of rental in Washington and other general expenses of administration which were prorated, in classifying the expenditures of the Forest Service among its various lines of work.

NAMES OF PUBLICATIONS ACCEPTING SUCH MATTER FOR PUBLICATION AND AMOUNT PAID TO EACH THEREFOR.

Material prepared for dissemination to the public through publication by newspapers and other periodicals may be classified under two heads: (1) Material furnished upon the request of individual papers or writers for information on some specific topic, and (2) material sent out to a regular mailing list maintained for this purpose. This list was gradually built up, until in 1910 it included the names of approximately 6,000 papers and individuals; but no record was ever kept of the names of the papers which made use of the material sent them. This is true both of material sent in answer to requests for specific information and of material sent to the standing list.

No payment was at any time made to any paper or writer for the publication of any material supplied by or in any way obtained from the Forest Service or any individual connected with the Forest Service, other than payments made for advertisements of timber sales and of contracts for the purchase of supplies.

VII. Expenditures for photographs, lantern slides, lecture equipment, and lecturers.

Among the items tabulated on pages 7 and 10 will be found the following, which cover all expenditures by purchase:

	1900	1901	1902	1903	1904	1905
Photographic supplies and equipment.....	\$702.03	\$1,991.61	\$1,901.00	\$2,744.28	\$4,318.08	\$2,917.04
Stereopticons and accessories.....	75.25	.....	112.00	7.00	.....	.....
Lantern slides.....	15.15	45.40	36.00	111.33	15.77	64.55
Photographs.....	139.74	109.45	259.50	206.25	426.73	430.43
Total.....	932.17	2,146.46	2,308.50	3,068.58	4,760.58	3,412.02
	1906	1907	1908	1909	1910	Total.
Photographic supplies and equipment.....	\$3,590.82	\$3,638.32	\$5,051.54	\$9,310.61	\$5,929.69	\$42,095.02
Stereopticons and accessories.....	.....	3.70	189.61	10.20	525.64	923.40
Lantern slides.....	15.20	27.75	100.35	138.38	555.55	1,125.43
Photographs.....	717.74	283.93	231.08	514.17	590.15	3,909.17
Total.....	4,323.76	3,953.70	5,572.58	9,973.36	7,601.03	48,053.02

The above items are undoubtedly complete in so far as purchases are concerned, since the making of the present report necessarily entailed the examination of every voucher covering the disbursement of any part of the entire \$16,000,000 expended for the work of the Forest Service between 1900 and 1910, inclusive. The headings call, however, for some explanation to make clear just what is covered; and a complete answer to the demands of the bill for information requires, it is believed, a supplementary statement concerning the cost of the entire photographic work of the Forest Service, including as it does not only the purchase of supplies but also salary expenditures.

The heading "Photographs" covers disbursements made for the purchase both of negatives and of prints, but represents chiefly the cost of negatives. Most of the negatives owned by the Forest Service, however, were not obtained by purchase, but represent the work of employees who took pictures in connection with their regular field work. Such pictures are taken either for their scientific value as illustrative of forest conditions or for administrative use. From the nature of the case it is impossible to state the cost in time for photographs taken incidentally as a part of the various field projects, and developed in the photographic laboratory of the Forest Service incidentally to its main work, as described below.

The heading "Lantern slides" covers chiefly the purchase of glass for use in making lantern slides, either for the use of the Forest Service or for sale. The greater part of the final cost of a lantern slide, however, is the cost of reproducing the photograph and (if the slide is colored) of coloring. The actual making of lantern-slide photographs takes place in the photographic laboratory of the Forest Service.

The photographic laboratory of the Forest Service is maintained primarily to supply the very large number of maps and blue prints required both by field men and in the offices in connection with the various lines of administrative and engineering work on the national forests, and in connection with the work of the Madison laboratory. This will be seen by a glance at the statement of the output of the laboratory, by classes of work. For example, this statement shows that during the fiscal year 1909-10, over 27,000 lithographs (almost entirely of maps) were made, nearly 14,000 maps were mounted on muslin, and nearly 7,000 photographic map prints, and 2,000 blue prints were made. Of the over 26,000 photographic prints made, much the greater part were used in connection with the administration of the national forests.

The total cost of the photographic laboratory by years (including the cost of the supplies and equipment purchased, figures for which are included in the itemized statement of purchases already given) and the output of work by classes for each year are shown in the following statement:

Class of work.	1900	1901	1902	1903	1904	1905
Negatives copied from prints.....					770	248
Field negatives developed.....	3,000	4,778	5,332	6,563	7,792	4,467
Prints made.....		6,632	9,695	15,473	42,312	11,097
Photographic prints mounted.....	1,400	4,900	5,457	4,747	3,922	4,843
Map negatives:						
Glass.....					50	112
Paper.....						136
Photo map prints.....					486	2,271
Blue prints.....		160	400	167	54	1,190
Maps mounted on muslin.....					184	.....
Bromide enlargements.....						111
Lantern slides.....				746	570	667
Transparencies.....					2	26
Total number items of work....	4,400	16,470	20,881	27,696	56,142	23,168
Total cost of photographic laboratory	\$932.17	\$3,794.19	\$4,948.50	\$6,413.66	\$8,463.85	\$6,920.02

Class of work.	1906	1907	1908	1909	1910
Negatives copied from prints.....	270	496	415	381	634
Field negatives developed.....	3,620	2,843	2,017	3,119	4,181
Prints made.....	8,173	12,333	22,202	19,927	26,402
Photographic prints mounted.....	3,391	4,346	6,643	5,016	4,046
Map negatives:					
Glass.....	337	445	844	7,910	1,780
Paper.....	150	213	292	281	55
Photo map prints.....	5,970	8,779	7,822	29,670	6,845
Blue prints.....	1,147	4,979	21,643	10,146	1,983
Transfer prints.....		116	275	137	79
Maps mounted on muslin.....		6,270	11,544	33,372	13,841
Bromide enlargements.....	137	320	1,001	1,703	340
Bromides mounted.....				430	
Bromides bleached.....				45	90
Lantern slides.....	734	870	1,765	2,231	2,325
Transparencies.....	25	53	20	12	21
Lithographs made in office.....		4,751	1,760	1,782	126
Lithographs made at Geological Survey.....			43,500	62,600	27,312
Total number items of work.....	23,954	46,814	121,743	178,762	90,060
Total cost of photographic laboratory.....	\$8,168.76	\$9,875.03	\$12,920.25	\$15,942.23	\$16,043.25

The following statement indicates by percentages the relative cost of the photographic work done in 1910 for the Washington office, the district offices, and the national forests. Much of the work done on requisitions which originated in the Washington office was, however, for material which eventually was supplied to the districts or the forests. Similarly, requisitions originating in the district offices were in large measure for material needed for use in connection with field work on the forests.

	Per cent.
Washington office.....	29
Districts and Madison laboratory.....	50
National forests.....	21

The statement made above of the output of photographic work by classes shows that the total number of lantern slides made in the 11 years was 9,912. On the other hand, there were sold during this period 4,110 slides. The number of lantern slides owned by the Forest Service on June 30, 1910, was 6,074, of which 1,112 were out on loan and 1,602 were in the districts and at Madison. It has been the custom of the Forest Service to loan lantern slides freely for use by instructors in forestry at educational institutions, and to a minor extent to other teachers in educational institutions and to lecturers who may desire to present some topic related to forestry before a general audience. The lantern-slide collection is, however, maintained primarily for the use of members of the Forest Service who may be called upon to deliver illustrated addresses in connection with their work, and next after this, for use by educational institutions which train foresters or have courses in forestry.

The expenditures of the Forest Service for lecture equipment other than lantern slides was reported on page 10, under the heading of stereopticon and accessories. The total for the 11 years was \$923.40.

The expenditures for lecturers remains to be considered. In attempting to state what expenditures were made for this purpose the same difficulty is presented which arose with regard to expenditures for writers. In the case of lecturers as in that of writers, a large number of members of the Forest Service have at different times performed such work, which, however, was either incidental to or actually a part of other work. For example, when a man is sent out to examine the wood lots of a number of farmers in any locality, a meeting of farmers is often arranged for, with an address, illustrated or otherwise. As a rule, addresses before educational institutions, associations of wood users, commercial and civic organizations, and general audiences are made by men en route and without other cost to the Forest Service than the small expenditure of time thus involved. In many cases, particularly in the Western States, men connected with the administration of the National Forests are invited, on a few hours' notice, to attend a meeting of citizens and address them concerning some phase of the work of the Forest Service; and in such cases no formal record of the fact that such a meeting was held may be made.

In 1908 a special report was made, in response to Senate resolution No. 157, of the attendance of members of the Forest Service at meetings and conventions during the year 1907. This report, which was published as Senate Document No. 485, list 459 addresses made during the year, by 37 different members of the Forest Service.

A systematic attempt to maintain a record of addresses made was not begun until July 1, 1905, and no data exist from which any statement could be made of addresses prior to that time; but for the fiscal years 1906 to 1910, inclusive, this record shows a total of 1,739 addresses, made by 117 different members of the Forest Service.

In other words, the diffusion of information through public addresses, which might be construed as falling under the head of "lectures," has been carried on, just as in other bureaus of the Department of Agriculture, by many members of the Forest Service, usually under such conditions that no statement of the compensation in salary to the lecturers is possible. The nearest approach that can be made to furnishing the information called for is a statement in detail concerning all known cases in which persons employed by the Forest Service have delivered, as a part of the work for which they were employed, a series of lectures or addresses covering a period of three days or more. This is shown in the following statement for the part of the period for which any record exists. The figures of compensation reported as paid are obtained by assuming that the salary of the person engaged in making these addresses was, for the time being, paid exclusively as compensation for this work. As a matter of fact, however, this assumption is incorrect. For example, at various expositions at which Forest Service exhibits have been made, the attendance of a representative of the service has been called for to take care of the exhibit and answer questions concerning it; and the delivery of a series of lectures in connection with the exhibit during the period of the exposition, or some part of it, has been rather incidental to the making of the exhibit than the main cause for the presence of a lecturer at the exposition.

Salary expenditures for public addresses.

Fiscal year—	
1906.....	\$503. 06
1907.....	1, 465. 84
1908.....	3, 659. 34
1909.....	2, 933. 06
1910.....	1, 077. 51
	9, 638. 81

It appears, therefore, that the average expenditure by, for, or on account of the Forest Service for lecturers, charging as an expenditure solely on account of services as lecturers all salaries paid to employees for periods of three days or longer during which a series of public addresses of any kind were delivered, was less than \$2,000 per year. No payments whatever were made, directly or indirectly, to procure the delivery of lectures by any person not officially connected with the Forest Service.

VIII. *Expenditures for printing and binding.*

In the classified summary of expenditures already given there appear the following expenditures for printing and binding:

	1900	1901	1902	1903	1904	1905
From Forest Service appropriation:						
In Washington.....			\$13,576. 83	\$27,694. 04	\$12,007. 26	\$22,332. 81
Out of Washington.....						210. 75
From department appropriation.....	\$7,971. 00	\$5,016. 55	7,550. 53	2,833. 53	4,220. 62	8,255. 80
	7,971. 00	5,016. 55	21,127. 36	30,527. 57	16,227. 88	30,799. 36
	1906	1907	1908	1909	1910	Total.
From Forest Service appropriation:						
In Washington.....	\$17,371. 18	\$46,049. 66	\$4. 50	\$870. 79	\$169. 75	\$140,076. 82
Out of Washington.....	14. 50	228. 33	1,820. 30	2,446. 50	1,394. 78	6,115. 16
From department appropriation.....	10,411. 73	21,447. 53	90,907. 78	59,407. 66	18,644. 87	236,667. 60
	27,797. 41	67,725. 52	92,732. 58	62,724. 95	20,209. 40	382,859. 58

EXHIBIT A.

(1) The following appeared in *The American Lumberman*, issue of January 27, 1912: "Much interesting information concerning the timber resources of Utah, southern Idaho, and western Wyoming has been obtained during the past summer by the United States Forest Service. Cruising parties, working under the general supervision of the district office, at Ogden, Utah, covered during the season more than 1,000,000 acres of timberland, and the information obtained will be used in bringing about the exploitation of many large tracts of mature timber in this territory. The bulk of the merchantable timber in the region is on the national forests, and it is understood that one of the principal objects of the cruising work is to place before lumbermen who operate on a large scale the best logging chances of the intermountain country.

"In the general movement of the lumber industry westward the extensive territory of Utah and southern Idaho has been overlooked. Apparently, eastern lumbermen, when their timber holdings become exhausted and they are forced to turn westward, do not stop 'going' until they reach the coast. As a result, the lumber industry of the intermountain west has not developed, although from information furnished by the Forest Service the opportunities for a number of large mills in this region seem unexcelled, both as regard the available timber supply and local-market conditions.

"Officials of the Forest Service place the annual consumption of lumber in southern Idaho at 100,000,000 feet b. m. and that of northern Utah at 150,000,000 feet. According to the 1910 census, southern Idaho shows a population of 210,000 and northern Utah 325,000. On the basis of an annual per capita consumption of 500 board feet, which is certainly conservative for a territory which is doubling its population every 10 years, the annual lumber consumption of these two regions would be 105,000,000 feet and 162,500,000 feet, respectively. The above estimate, therefore, seems well established.

"Of the 100,000,000 feet of lumber consumed each year in southern Idaho it is said that about 60,000,000 feet are shipped in from Oregon and other coast points, while only about 40,000,000 feet are produced locally. In northern Utah local mills produce less than 12,000,000 feet annually and over 100,000,000 feet are shipped in from coast points. This great importation of coast lumber into Utah and southern Idaho is explained by the fact that there are no large local mills and that the small portable mills working on a limited scale are able to supply the demand only in their vicinity. Further, the cost of producing lumber in these mills is excessive, since up-to-date logging and milling methods are not followed, and the small sawmill men are not able to compete with the coast lumber in the larger cities, notwithstanding the fact that lumber there brings higher prices.

"Under these conditions it seems remarkable that no large mills have located in this territory, and the efforts of the Forest Service to bring about the utilization of its timber resources on a larger scale should be successful. While the detailed data obtained by the various cruising parties has not yet been issued in report form, the general information at hand shows many large tracts of timber favorably located for logging. Of particular interest is the information obtained concerning the timber resources of the Jackson Hole country, which embraces a large part of the watershed of the south fork of the Snake River. The amount of timber in this region has been a matter of much speculation. The cruising party spent four and one-half months in the Teton Mountains, covering a large portion of territory. Approximately, a billion feet of merchantable timber was located, the species being Engelmann spruce, Douglas fir, and lodgepole pine of fine quality.

"One of the most attractive logging chances brought into prominence by this work is a tract of 120,000,000 feet on the banks of the Jackson Lake. The timber averages 10,000 feet b. m. per acre, the spruce averaging in diameter 36 inches with six logs to the tree and the Douglas fir averaging 32 inches in diameter with five logs to the tree. The logging of the timber, it is said, will be a simple problem, since it lies on a bench sloping gently to the lake. The logs will be thrown into the lake and driven down the Snake River to a mill site in the vicinity of Idaho Falls. The drivability of the South Fork of the Snake was investigated by a Forest Service lumberman, who declares it to be drivable throughout the year with practically no stream improvements. In low water it averages 200 feet wide and 4 feet deep. A mill located near Market Lake or Idaho Falls will be not only on the railroad and in the center of the southern Idaho markets, but will have practically an inexhaustible supply of timber upon which to draw.

"Considerable cruising was also done in the western yellow pine stands in the western portion of southern Idaho on the Boise, Payette, and Weiser National Forests,

and a number of large tracts of this species are, it is understood, to be placed on the market. On two forks of the Payette River, both of which have been driven, over 150,000,000 feet of merchantable saw timber was cruised out. This embraces the most accessible of the timber, it being roughly estimated that upon its removal there will be available a half a billion feet more of similar timber. According to the statements of forestry officials, all this timber can be driven at reasonable cost to the railroad at either Emmett or Payette. A particularly fine tract of yellow pine within a short distance of a railroad was also located and cruised on the Weiser Forest. This timber stands at the head of the Weiser River.

"In Utah the most accessible large tract of timber cruised and mapped was on the watershed of the Provo River. This timber consists of Engelmann spruce and lodgepole pine and covers 10,146 acres. It averages 10,000 feet to the acre, and the total estimate amounts to 106,000,000 feet b. m. The tract is said to be one of the most accessible large tracts in the State, it being entirely feasible by a drive of 50 miles to land the logs at the railroad at Heber City, where there are good mill-site facilities and from which point the large consuming markets of Provo, Salt Lake City, and Ogden are less than 100 miles distant by rail.

"Another cruising party in Utah spent the summer gridironing the timber on the watershed of the Sevier River in the southern part of the State. Between two hundred and fifty and three hundred million feet of yellow pine and Douglas fir timber was located and mapped. This forest averages about 5,000 feet b. m. per acre, the diameters running up to 60 inches in the yellow pine and 4 inches in the Douglas fir. The logging of the Sevier timber is said to involve the construction of a railroad of from 75 to 100 miles to connect with the present terminal at Marysvale of the San Pete branch of the Denver & Rio Grande Railroad. Such a railroad, however, will doubtless be a part of a line extending into southern Utah, where there are great amounts of agricultural land in course of development, and to the Grand Canyon of the Colorado, where on the Kaibab plateau there is a billion and a half feet of yellow pine and Douglas fir timber awaiting utilization.

"It would seem from the general data at hand that lumbermen who are looking for new locations should find a profitable field for operations in Utah and southern Idaho. Those interested can obtain full information concerning the different logging and milling chances of the district by writing the district forester, Ogden, Utah."

(2) The following material was furnished various newspapers early in 1912:

The Government is advertising for bids on a large body of timber on the Tahoe National Forest, in California, with an offer of terms which inaugurate an important departure from the policy of the past.

About 73,000,000 board feet of saw timber is offered for sale, with a 10-year period for the removal of the timber. The national forests contain a vast supply of merchantable timber, estimated at the equivalent of over 500,000,000,000 feet board measure, a great part of which is ripe for the ax or already overmature. In many cases, however, the purchaser has to make a very heavy initial investment in transportation facilities. To have this pay, he must be able to figure on a large operation, requiring a number of years to carry through.

The timber sale policy of the Forest Service recognizes that, in view of the general tendency of stumpage prices, long contracts based on present prices would be a strong incentive to speculation and might turn out to be highly disadvantageous to the public. To protect the public, as consumers, against monopoly prices and also against exhaustion of local supplies through overcutting, sales of timber are carefully proportioned to the existing supply and demand, and sales to small purchasers, who are vastly in the majority, are encouraged. To protect the public, as owners, against sales at what may prove to be too low a price, it has been the policy in the past to allow no operations extending over more than five years. A plan has, however, now been devised for allowing longer operations, with a periodic revision of the stumpage rates.

At the end of the first five years of the Tahoe sale the price to be paid for the timber cut in the following five years will be determined by the prices of lumber which have ruled in the locality during the preceding year. Since it is recognized that present stumpage prices are rather high in proportion to present lumber prices, if lumber prices do not show an increase of \$2 per thousand feet the stumpage price will not be changed. On any increase above \$2 per thousand three-fourths of the amount of the increase may be added to the stumpage price.

The Tahoe sale will call for the construction of 20 miles of railroad, which will be a common carrier and therefore decidedly beneficial to the community—another reason for making the sale which is taken into account. A minimum price of \$2.50 per thousand feet for yellow pine, the amount of which is estimated at 52,000,000 feet, and also for sugar pine, and of \$1 per thousand feet for all other species is specified in the adver-

tisement. The interest which has been shown by lumbermen in this sale leads the forest officers to believe that one or more bids will undoubtedly be received. The usual conditions of cutting national forest timber, to insure a renewal of the forest and close utilization of what is cut, will be incorporated in the contract of sale. That national forest timber is in increasing demand is evidenced by the fact that over 830,000,000 feet were sold during the year which ended on June 30, 1911, as against less than 575,000,000 feet in the previous year. The current year is likely to show a still higher total.

National forest cross areas, in acres, by States.

State or Territory.	Area Dec. 31, 1904.	Area June 30, 1910.
Arizona.....	6,740,410	15,214,745
Arkansas.....		3,189,781
California.....	9,388,624	27,968,510
Colorado.....	2,872,599	15,491,791
Florida.....		674,891
Idaho.....	3,936,840	19,963,171
Kansas.....		302,387
Michigan.....		163,373
Minnesota.....		1,204,486
Montana.....	7,845,920	19,474,696
Nebraska.....	208,902	566,072
Nevada.....		5,109,415
New Mexico.....	3,257,920	11,140,123
North Dakota.....		13,940
Oklahoma.....	57,120	60,800
Oregon.....	4,637,560	15,920,822
South Dakota.....	1,244,840	1,294,440
Utah.....	2,722,760	7,411,157
Washington.....	6,940,760	12,007,340
Wyoming.....	8,197,799	8,941,681
Total in United States.....	58,052,054	166,103,621
Alaska.....	4,909,880	26,761,626
Porto Rico.....	65,950	65,950
Grand total.....	63,029,884	192,931,197

When the forest reserves were transferred to the Department of Agriculture in 1905, the gross area was approximately 63,000,000 acres. On June 30, 1910, the gross area of the national forests was 192,931,197 acres, or about 300,000 square miles. Within this area was embraced alienated lands of States and private owners equal to about 11 per cent of the gross area.

The forests are subdivided into ranger districts for protective purposes, each district covered by a forest officer, with an average area of 163 square miles assigned to each officer. The cost of administration, improvement, and protection, as shown by the report of the Forester for 1910, averages 2.2 cents per acre. The earnings from all sources during the year 1910 average one and eight-hundredths cents per acre.

The number of ranger districts is eight to each forest, or a total of 1,192 ranger districts. Each district ranger is assigned a headquarters, and is provided with office supplies, stationery, and furniture. The standard equipment of a ranger office consists of 1 typewriter, 1 typewriter stand, 1 table, 2 chairs, 1 filing case, 1 heating stove, window shades, linoleum, etc.

Some of the rangers, however, whose duties are entirely protective, are not provided with the entire office equipment above described. During the period 1900 to 1910, inclusive, 1,202 typewriters were purchased. It is evident, therefore, that many of the ranger stations are as yet unprovided with typewriters, but with the increase of use of the forests additional equipments must be provided.

The general administration of the Forest Service is divided into districts, with headquarters located at convenient points, as follows:

Forester, Associate Forester, and general staff, Washington, D. C.

Forest Products Laboratory, Madison, Wis.

Paper Pulp Laboratory, Wausau, Wis.

Wood Utilization, Chicago, Ill.

District forester and staff, district 1, Missoula, Mont.

District forester and staff, district 2, Denver, Colo.

District forester and staff, district 3, Albuquerque, N. Mex.

District forester and staff, district 4, Ogden, Utah.

District forester and staff, district 5, San Francisco, Cal.

District forester and staff, district 6, Portland, Oreg.

VALUE OF RESOURCES AND COST OF ADMINISTRATION.

The direct value of the national forests as property exceeds, at a very moderate estimate, \$2,000,000,000. The standing merchantable timber alone was reported on June 30, 1910, as the equivalent of 530,000,000,000 feet b. m. The forests also contribute to national prosperity through water protection, range conservation, and the maintenance of timber supplies essential to many Western industries. This indirect value greatly increases their importance as public resources, but can not be stated in terms of money equivalent.

The administration of the national forests passed to the Forest Service on February 1, 1905. Of the expenditures made in that year, \$435,095.32 was under appropriations carried by the agricultural appropriation act of April 23, 1904, for the continuation of the earlier nonadministrative work. In the five preceding years there had been spent a total of \$953,060.56. Expenditures from special appropriations not applicable to administrative work in the years 1906-1910, inclusive, totaled \$95,252.89. Deducting these sums from the total expenditures of the Forest Service for the 11 years (\$16,657,759.98), there is left \$15,174,331.21. Again deducting the credits shown on page 18, there is left a balance of \$4,321,635.01 as the net cost of all work, both investigative and administrative, paid for out of appropriations not specifically made for other than national forest work, and for which there is not either an equivalent in hand in the form of property and improvements or an offset in the form of receipts paid into the Treasury.

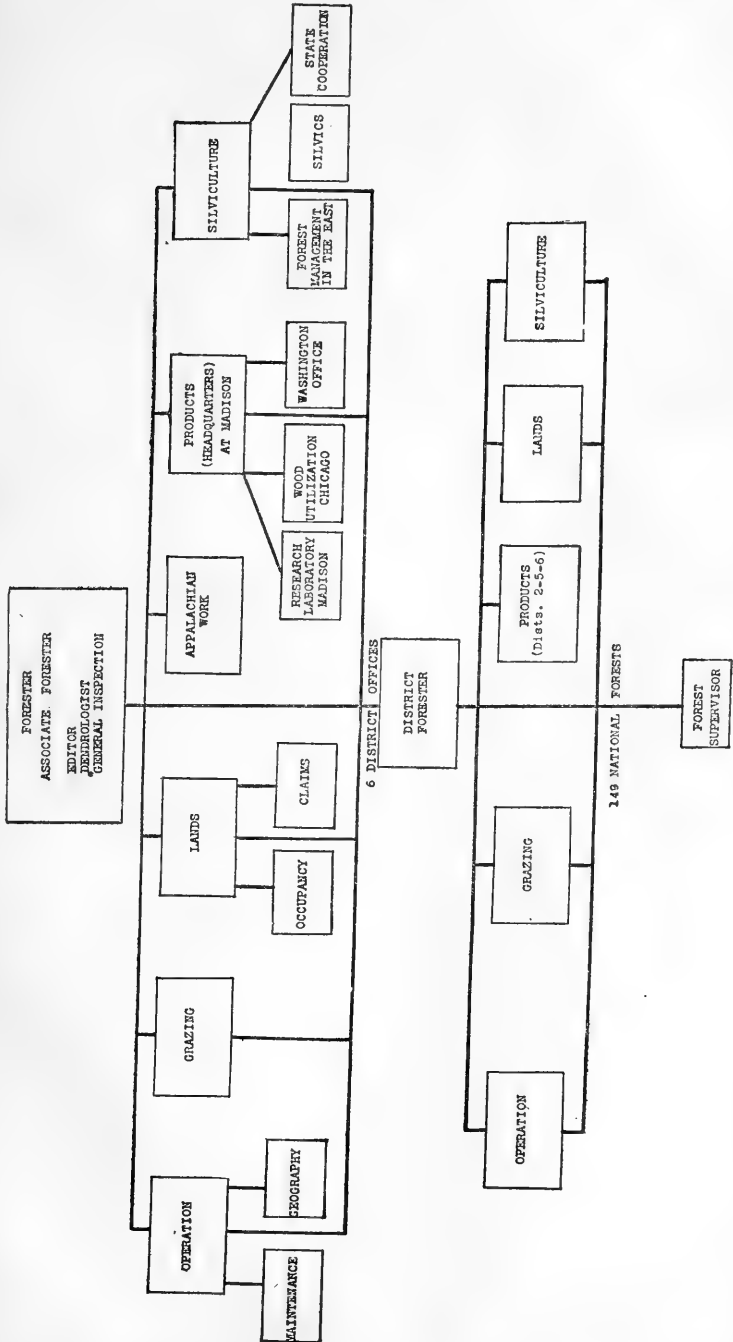
The estimated total expenditures for administering, protecting, and improving the national forests (including that part of the cost of the Washington office fairly chargeable against national-forest administration), the average per acre expenditure, and the average per acre receipts for the years 1905 to 1910, inclusive, was as follows:

Fiscal year—	Expenditures.	Expenditures per acre.	Receipts per acre.
1905.....	\$509,186.68	\$0.0059	\$0.00085
1906.....	956,999.67	.0089	.0089
1907.....	1,538,419.31	.0102	.0104
1908.....	3,118,267.21	.0186	.011
1909.....	3,554,896.03	.0182	.0093
1910.....	4,351,152.55	.022	.0108
Total.....	14,028,921.45	.....	.....

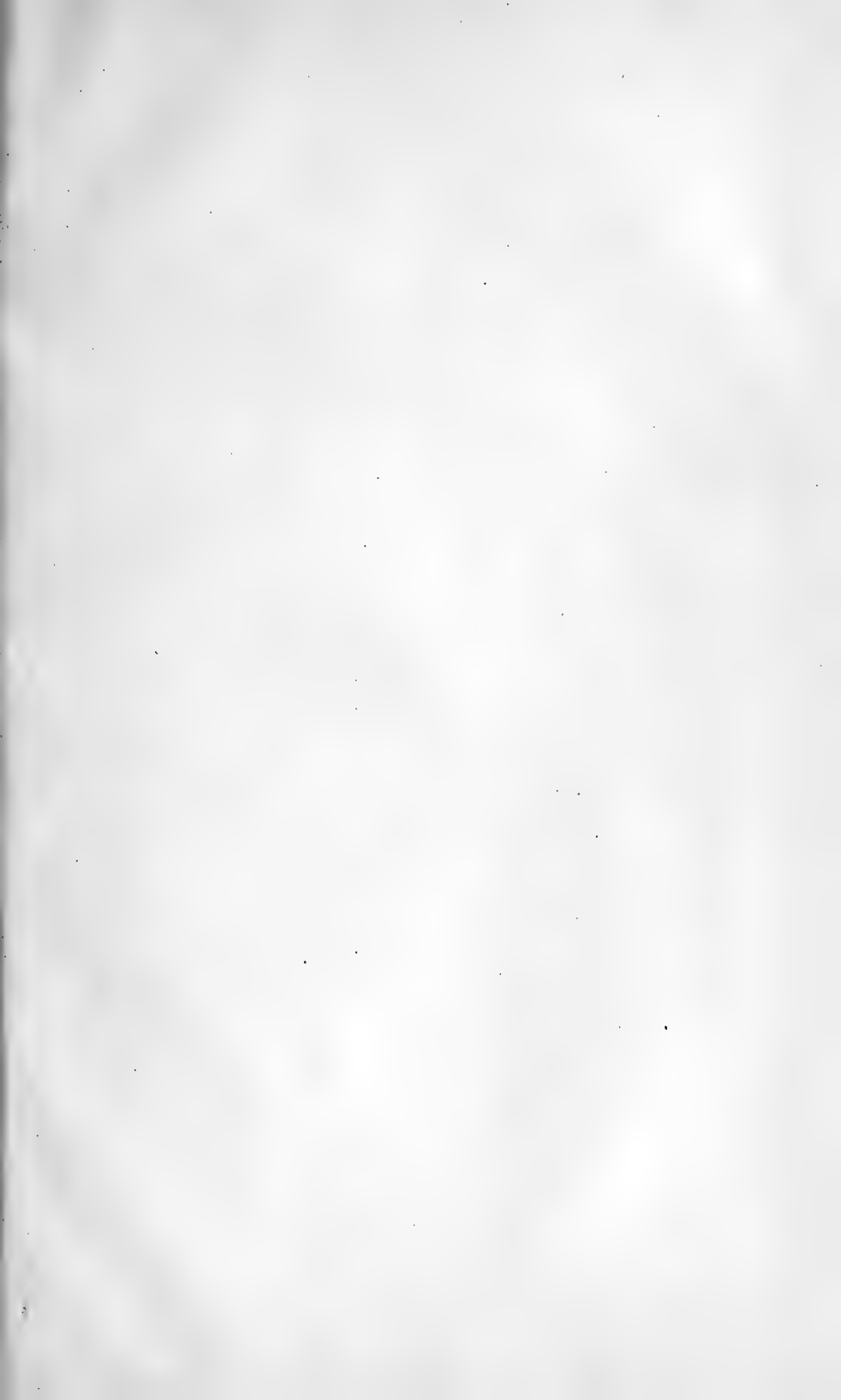
If the balance is struck by deducting the credits from this amount, the net cost of administration (including all overhead charges) becomes \$3,176,225.25. This is equal to an average net cost of less than \$530,000 a year, or under one-fourth mill on the dollar of the direct value of the property administered and protected.

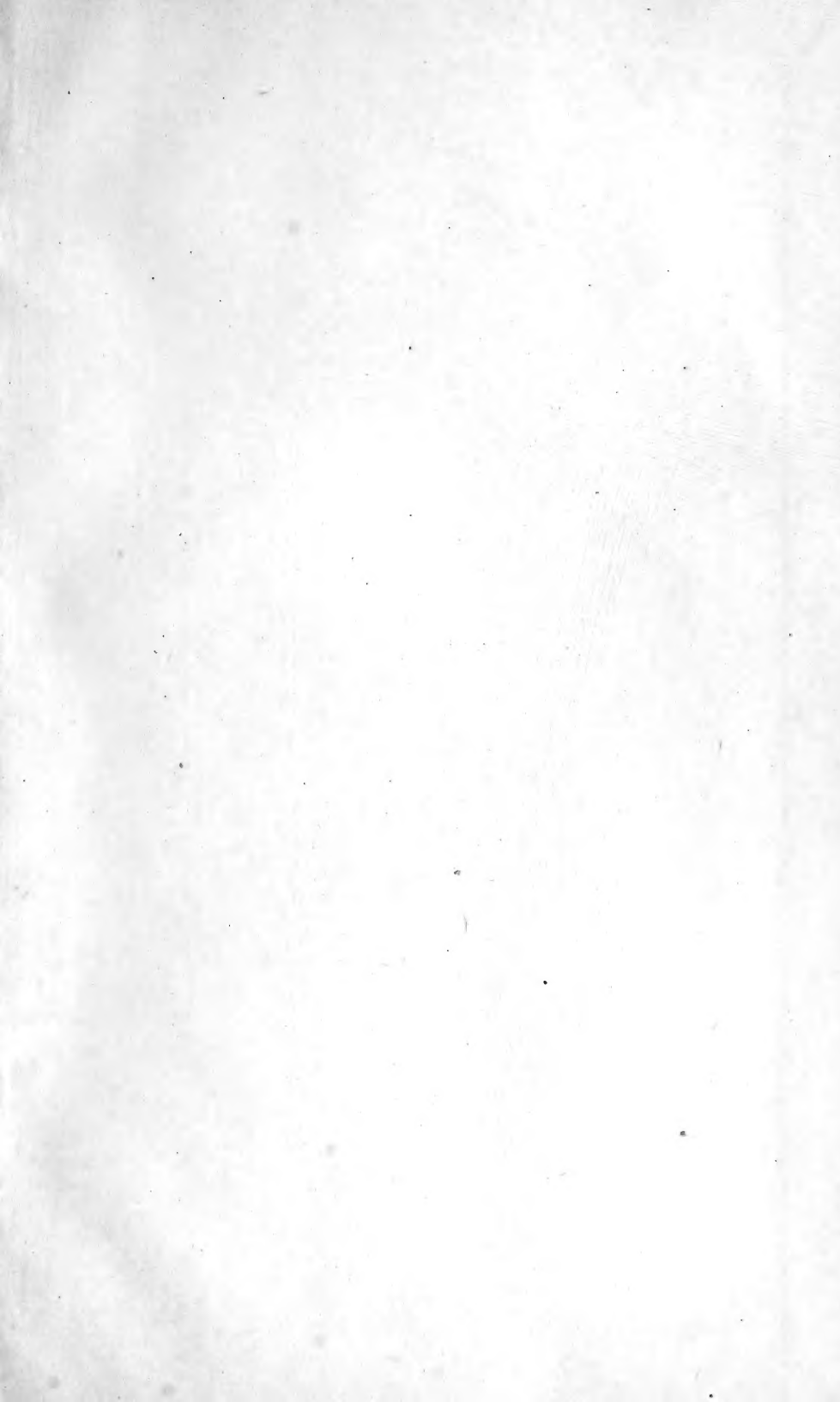
Against this net cost must be set the public service rendered by protection and regulated use of the national forests. In the single year 1910, 2,464 fires, or over 75 per cent of the total number reported on the national forests, were extinguished by the forest officers discovering them, without material damage and without extra help or expense. The stock industry alone benefits by regulated grazing to an extent far exceeding the above net cost. The timber on the forests is advancing in value at the rate of not less than \$50,000,000 a year.

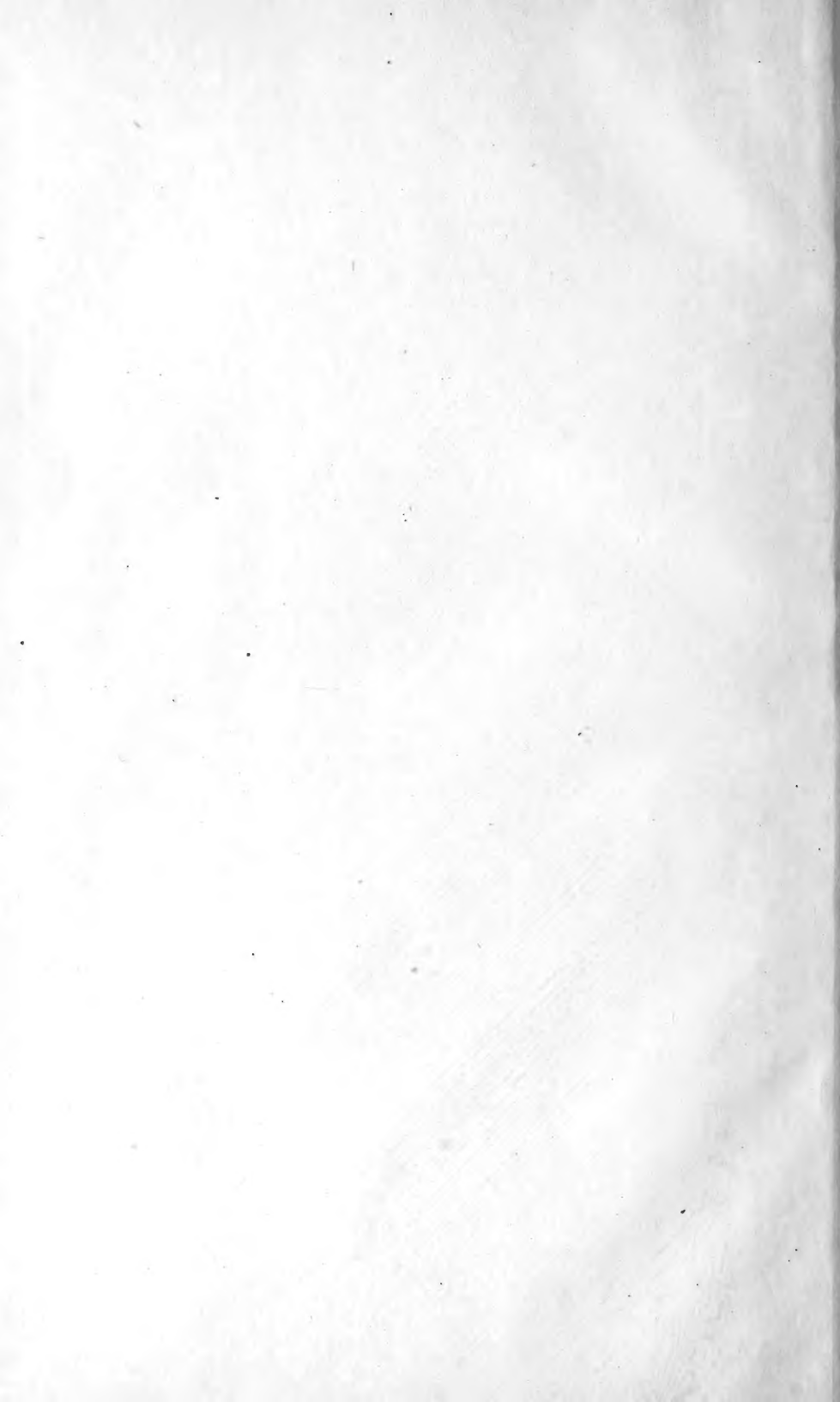
ORGANIZATION OF THE FOREST SERVICE.
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