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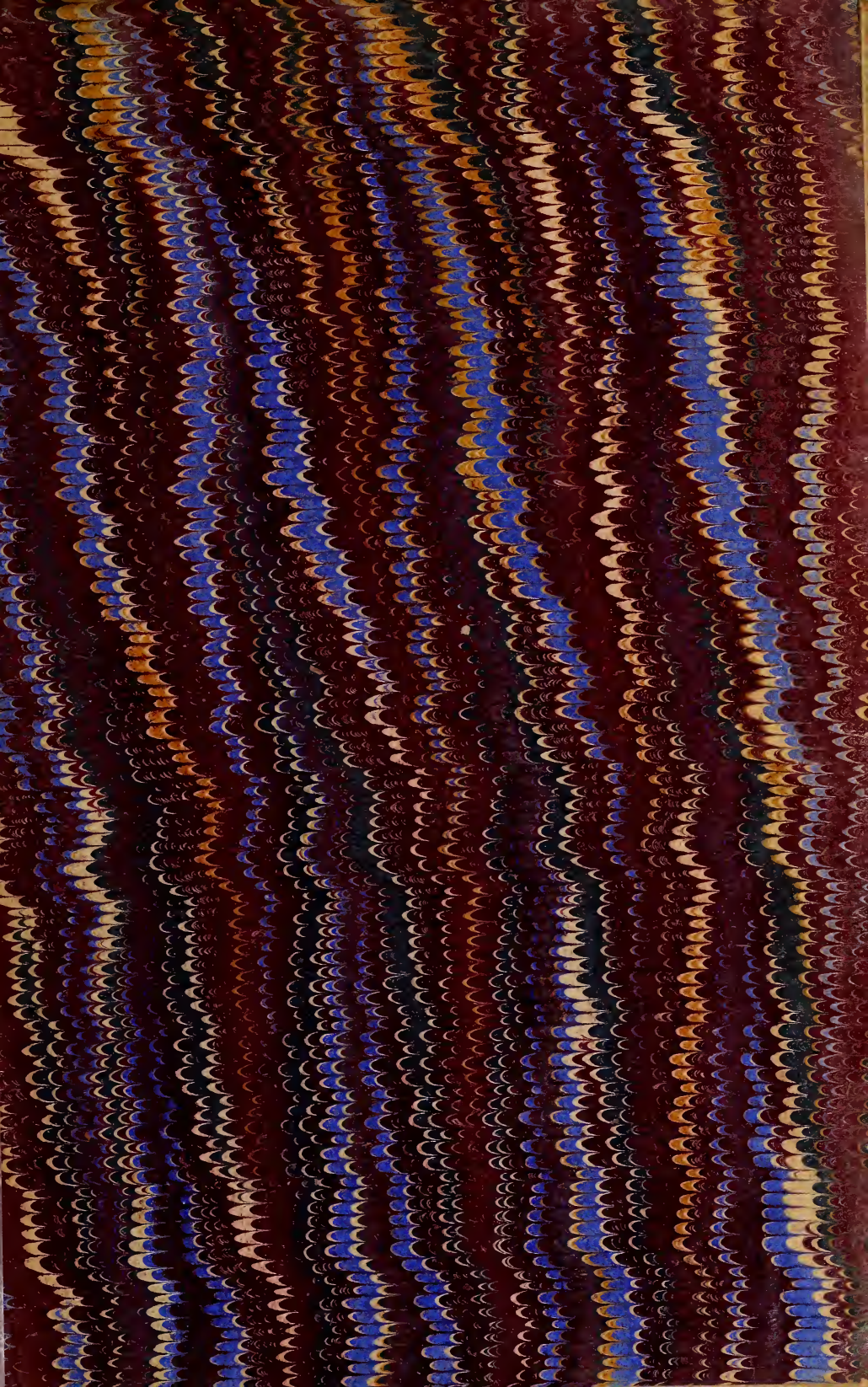
UNITED STATES

DEPARTMENT OF AGRICULTURE

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EXPENDITURES IN THE DEPARTMENT OF AGRICULTURE.

LETTER

FROM

THE SECRETARY OF AGRICULTURE,

PRESENTING

A DETAILED STATEMENT OF THE EXPENDITURES OF THE DEPARTMENT FOR THE FISCAL YEAR ENDING JUNE 30, 1904, INCLUDING SUPPLEMENTAL ACCOUNTS.

JANUARY 23, 1905—Referred to the Committee on Expenditures in the Department of Agriculture and ordered to be printed.

DEPARTMENT OF AGRICULTURE,  
 OFFICE OF THE SECRETARY,  
 Washington, D. C., January 21, 1905.

SIR: I have the honor to present herewith, in conformity to law, a detailed statement of the expenditures of all appropriations for the Department of Agriculture for the fiscal year ending June 30, 1904, including supplemental accounts to September 30, 1904.

Very respectfully,

JAMES WILSON,  
*Secretary.*

The SPEAKER OF THE HOUSE OF REPRESENTATIVES.

*Expenditures of the Department of Agriculture for fiscal year ending June 30, 1904.*

SALARIES.

Name.	Amount.	Name.	Amount.
Jas. Wilson .....	\$8,000.00	L. O. Howard .....	\$2,750.00
J. H. Brigham .....	4,487.62	C. Hart Merriam .....	2,750.00
D. E. Salmon .....	4,500.00	Geo. K. Holmes .....	2,500.00
B. F. Galloway .....	4,000.00	Jasper Wilson .....	2,500.00
H. W. Wiley .....	3,500.00	L. H. Dewey .....	2,500.00
Jno. Hyde .....	3,500.00	W. A. Taylor .....	2,500.00
Gifford Pinchot .....	3,500.00	A. S. Hitchcock .....	2,500.00
Milton Whitney .....	3,500.00	W. D. Bigelow .....	2,500.00
Geo. Wm. Hill .....	3,000.00	F. K. Cameron .....	2,500.00
Frank L. Evans .....	2,750.00	O. W. Price .....	2,500.00



## EXPENDITURES IN DEPARTMENT OF AGRICULTURE.

Expenditures of the Department of Agriculture for fiscal year ending June 30, 1904—Cont'd.

## SALARIES—Continued.

Name.	Amount.	Name.	Amount.
A. D. Melvin	\$2,500.00	M. M. McClure	\$1,400.00
A. M. Farrington	2,500.00	F. W. Patterson	1,400.00
H. E. Alvord	2,500.00	F. H. Hillman	1,400.00
Jno. R. Mohler	2,500.00	S. L. Sommers	1,400.00
R. W. Hickman	2,500.00	M. F. Safford	1,400.00
S. R. Burch	2,415.80	E. S. Thompson	1,400.00
S. D. Fessenden	2,200.00	H. R. Smedes	1,400.00
G. T. Moore	2,059.95	T. C. Halloway	1,400.00
J. B. Bennett	2,000.00	Anna L. Pierce	1,400.00
C. B. Lower	2,000.00	W. G. Smith	1,400.00
A. Zappone	2,000.00	G. N. Coffee	1,400.00
Jos. A. Arnold	2,000.00	G. W. Baumann	1,400.00
Jas. E. Jones	2,000.00	Henry Grinnell	1,400.00
C. W. Dorsey	2,000.00	McP. Reynolds	1,400.00
A. G. Rice	2,000.00	G. B. Morse	1,400.00
E. B. Jones	2,000.00	C. F. Flocken	1,400.00
E. C. Schroeder	2,000.00	Mary Sullivan	1,400.00
C. H. Greathouse	1,800.00	Evelyn Lyons	1,400.00
B. D. Stallings	1,800.00	F. N. Gregory	1,400.00
R. B. Handy	1,800.00	C. C. Carroll	1,400.00
J. A. Clark	1,800.00	I. C. I. Evans	1,400.00
D. W. Coquillet	1,800.00	W. S. D. Haines	1,400.00
A. K. Fisher	1,800.00	C. R. Barnett	1,396.20
W. A. Orton	1,800.00	Bertha Burch	1,382.61
R. E. Smith	1,800.00	F. R. Rutter	1,335.17
I. W. Stone	1,800.00	T. A. Scott	1,300.00
C. C. Moore	1,800.00	J. H. Barnes	1,274.70
W. H. Heilman	1,800.00	Allen Dodge	1,265.93
F. E. Olmsted	1,800.00	Chas. A. Jensen	1,247.80
H. J. Washburn	1,800.00	J. P. M. Haas	1,232.57
Jas. A. Emery	1,800.00	David Griffith	1,201.70
Albert Hassell	1,800.00	Thos. J. Ray	1,200.00
H. H. Gerdes	1,800.00	Wm. Collier	1,200.00
J. M. Pickens	1,800.00	Geo. A. Harlow	1,200.00
C. R. Ball	1,800.00	C. B. Clarke	1,200.00
N. E. Fealy	1,800.00	H. A. Benner	1,200.00
Josephine Brigham	1,600.00	B. M. Dodson	1,200.00
R. W. Roberts	1,600.00	I. J. Nichols	1,200.00
A. M. Housemann	1,600.00	F. J. P. Cleary	1,200.00
Jno. A. Harvey	1,600.00	M. E. Edwards	1,200.00
L. J. Harrington	1,600.00	M. E. Thorn	1,200.00
W. W. Jones	1,600.00	T. C. Cooney	1,200.00
F. C. Cox	1,600.00	M. A. S. Colman	1,200.00
A. I. Mudd	1,600.00	E. B. Hawkes	1,200.00
Ephraim Cornman	1,600.00	R. C. Althouse	1,200.00
Theo. Pergande	1,600.00	W. F. Tastet	1,200.00
B. C. Saunders	1,600.00	A. B. Morrison	1,200.00
C. A. Leith	1,600.00	Merritt Cary	1,200.00
D. W. Stier	1,600.00	H. C. Oberholser	1,200.00
E. G. Ward, jr.	1,600.00	L. J. Smith	1,200.00
F. P. Veitch	1,600.00	W. E. Taylor	1,200.00
M. S. Tidd	1,600.00	Ernest Morsell	1,200.00
Geo. G. Anderson	1,600.00	E. H. Bradley	1,200.00
Jno. S. Buckley	1,600.00	E. E. McDonell	1,200.00
Jos. Abel	1,600.00	E. W. Catchcart	1,200.00
Chas. H. Seaton	1,595.64	R. F. Johnson	1,200.00
M. E. Fagan	1,534.90	A. M. Fousel	1,200.00
D. S. Bliss	1,500.00	C. B. Finkel	1,200.00
Henry Oldys	1,500.00	Wm. M. King	1,200.00
A. H. Howell	1,500.00	V. K. Wharton	1,200.00
C. A. Drake	1,474.66	M. S. Bowie	1,200.00
E. A. de Schweinitz	1,462.90	F. B. Linton	1,200.00
Jno. R. Covert	1,425.32	A. G. McCall	1,200.00
H. N. Price	1,400.00	C. C. Scott	1,200.00
I. S. Pennybacker	1,400.00	Janette Steuart	1,200.00
W. C. Wyatt	1,400.00	H. Winklemann	1,200.00
M. McCutchen	1,400.00	P. R. Hindman	1,200.00
C. E. Donnelly	1,400.00	Frank Bennett, jr.	1,200.00
Louise Breedin	1,400.00	Albert Gaskill	1,200.00
Anna Montgomery	1,400.00	Edna M. Frost	1,200.00
Eva H. Quinn	1,400.00	F. M. Allen	1,200.00
Jno. Roberts	1,400.00	A. M. Winfield	1,200.00
Jno. H. Hendrix	1,400.00	N. F. Houghton	1,200.00
M. A. Champney	1,400.00	M. A. Marshall	1,200.00
S. D. Judd	1,400.00	M. H. Mahon	1,200.00
Edmund Burke	1,400.00	Mary E. Fagan	1,200.00
Carrie Harrison	1,400.00	Carl A. Crawford	1,200.00
W. W. Tracy, jr.	1,400.00	C. C. Clarke	1,198.40
O. H. Gates	1,400.00	C. B. Lane	1,198.40

## EXPENDITURES IN DEPARTMENT OF AGRICULTURE.

3

Expenditures of the Department of Agriculture for fiscal year ending June 30, 1904—Cont'd.

## SALARIES—Continued.

Name.	Amount.	Name.	Amount.
Geo. E. King.....	\$1,196.70	T. B. Reamy.....	\$840.00
V. K. Chesnut.....	1,196.70	A. S. Crain.....	840.00
M. M. Ingram.....	1,191.81	L. J. Simonton.....	840.00
Ludwicka Wieser.....	1,183.10	J. B. Adams.....	833.30
H. L. Vining.....	1,167.04	O. F. Jones.....	800.00
L. F. Caswell.....	1,164.12	J. W. Duval.....	797.80
J. S. Holmes.....	1,162.59	Lawrence Gallagher.....	796.18
Virginia Miller.....	1,160.44	Fred. J. Tyler.....	794.31
C. P. Fletcher.....	1,115.20	Annie Parker.....	792.02
M. B. Zimmerman.....	1,102.20	Frank Andrews.....	762.20
H. M. Hendricks.....	1,100.00	F. C. Oberly.....	743.38
F. R. Fravell.....	1,100.00	O. S. Schriener.....	734.03
E. A. Bennett.....	1,100.00	Ed. C. Johnson.....	725.79
C. L. Du Bois.....	1,099.45	Jno. Hornbacker.....	725.00
David Waters.....	1,067.00	Henry Crompton.....	720.00
T. M. Price.....	1,050.00	Thos. Rutledge.....	720.00
Marion Dorset.....	1,037.10	Clarence Bean.....	720.00
Bertha Heiges.....	1,000.00	B. F. Ridgeway.....	720.00
W. A. Murray.....	1,000.00	J. M. Boardman.....	720.00
M. C. Stoddard.....	1,000.00	W. H. Johnson.....	720.00
M. A. Goodchield.....	1,000.00	M. F. Ryan.....	720.00
J. O. Riley.....	1,000.00	W. H. Moor.....	720.00
C. E. Bracey.....	1,000.00	H. S. Mott.....	720.00
E. L. Ogden.....	1,000.00	W. S. Canatsey.....	720.00
Jacob Kotinski.....	1,000.00	R. H. Cooke.....	720.00
A. N. Caudell.....	1,000.00	Thad Fairfax.....	720.00
N. H. Kent.....	1,000.00	Alfred Hawkins.....	720.00
J. H. Gaut.....	1,000.00	Jas. Monroe.....	720.00
P. S. Ricker.....	1,000.00	Moses Smith.....	720.00
A. L. Scribner.....	1,000.00	S. D. Frost.....	720.00
H. E. Gray.....	1,000.00	A. J. Hodges.....	720.00
Sara Skinner.....	1,000.00	L. T. Harrison.....	720.00
L. M. Jones.....	1,000.00	L. C. Kellerhouse.....	720.00
T. J. Blair.....	1,000.00	E. M. Olmsted.....	720.00
R. B. Blankman.....	1,000.00	E. L. Price.....	720.00
Sallie J. Adams.....	1,000.00	W. C. Shimoneck.....	720.00
M. L. Wood.....	1,000.00	Jno. Nicholas.....	720.00
F. A. Reynolds.....	1,000.00	B. R. Sherwood.....	720.00
S. E. Jenkins.....	1,000.00	Geo. I. Hall.....	720.00
F. M. J. Greene.....	1,000.00	C. C. Crogan.....	720.00
W. F. Hubbard.....	1,000.00	J. E. Field.....	718.04
G. W. Brett.....	1,000.00	M. C. Gannett.....	718.04
M. C. Montgomery.....	1,000.00	A. M. Dye.....	717.00
C. A. Pfender.....	1,000.00	Frank Snyder.....	712.22
E. R. Oberly.....	1,000.00	Alvena Haas.....	700.00
H. M. Thompson.....	1,000.00	M. A. Nelson.....	700.00
Nathl. Shatswell.....	1,000.00	R. S. Hosmer.....	692.89
H. D. Tiemann.....	1,000.00	A. H. Kite.....	688.37
A. M. Doyle.....	997.80	G. L. Clothier.....	688.23
W. F. Harding.....	981.56	H. A. Daly.....	678.26
Mary T. Dent.....	875.00	Otto Luebckert.....	668.50
M. E. Ryder.....	859.28	H. C. Graham.....	665.80
H. L. Watson.....	850.00	G. W. Sheerer.....	660.00
Sue McGill.....	837.54	E. G. Grau.....	660.00
Clara M. Loyd.....	820.00	M. A. Spillman.....	651.18
Geo. B. King.....	815.80	Sadia Haskell.....	635.72
R. P. Caruthers.....	815.80	E. J. Lindsay.....	630.00
Thos. Riggles.....	800.00	B. I. Bennett.....	630.00
G. L. Wooden.....	800.00	E. Brown.....	603.30
E. Simonson.....	800.00	J. H. Gordon.....	600.00
Grace M. Stoddard.....	800.00	W. W. Cooke.....	600.00
F. D. Strause.....	800.00	D. G. Passmore.....	600.00
E. M. Hollidge.....	800.00	A. A. Newton.....	600.00
C. D. Harvey.....	800.00	Frank Sprague.....	600.00
Fay Leonard.....	873.10	Q. R. Craft.....	600.00
A. H. Failyer.....	865.93	Edw. Block.....	600.00
J. A. Rice.....	857.18	A. H. B. Kinney.....	585.20
M. S. Cartón.....	855.85	G. W. Stiles, jr.....	570.70
A. G. Masius.....	849.92	D. A. Plumley.....	567.93
C. S. Weldmann.....	840.00	C. V. Grant.....	541.21
Jos. Williams.....	840.00	Celia Gelletly.....	540.00
A. H. Brooks.....	840.00	J. A. Farley.....	537.35
J. A. Mason.....	840.00	S. R. Reeves.....	520.80
F. T. Moore.....	840.00	P. E. Brown.....	516.30
R. H. Edmundson.....	840.00	E. C. Herrick.....	500.00
G. E. Upton.....	840.00	Fred Lees.....	500.00
A. R. Knapp.....	840.00	V. P. Bradford.....	500.00
Lillian Burch.....	840.00	E. W. Sawyer.....	500.00
H. D. Walter.....	840.00	F. O. Martin.....	500.00



Expenditures of the Department of Agriculture for fiscal year ending June 30, 1904—Cont'd.

## SALARIES—Continued.

Name.	Amount.	Name.	Amount.
W. S. Stamper.....	\$500.00	L. E. Fairfax.....	\$210.00
Carrie Meyers.....	500.00	A. W. Thiel.....	206.01
Ernest A. Bennett.....	500.00	L. J. Taliafero.....	197.82
P. E. Brown.....	492.41	Eliza Meredith.....	192.17
J. W. Joyce.....	490.00	E. A. Weeks.....	180.00
V. B. Newton.....	482.97	Flora Schmidt.....	176.91
A. G. Varela.....	481.32	M. L. Sewell.....	175.60
Martha Boss.....	480.00	A. C. Shepard.....	164.82
Susie Morgan.....	480.00	Lizzie Rollins.....	164.22
Elily Werner.....	480.00	W. S. Shaler.....	150.00
K. W. Lane.....	477.07	Ralph W. Magee.....	148.33
Warren Parsons.....	470.78	W. L. Jepsom.....	145.05
A. W. Smith.....	469.20	E. J. Lundy.....	130.03
Geo. R. Ferguson.....	464.88	Sarah L. Garner.....	126.55
R. W. Magee.....	460.00	A. H. Williams.....	124.96
M. T. Warner.....	458.76	S. A. Noone.....	113.45
T. B. Harrison.....	450.00	Harry Berckhead.....	105.00
Andrew Geddes.....	421.20	Mary Anderson.....	103.71
M. B. Berryhill.....	420.00	F. W. S. Blanchard.....	101.10
M. C. Vance.....	420.00	Virginia Tenney.....	100.20
S. A. Burlingame.....	420.00	M. N. Hassell.....	98.90
C. B. Milligan.....	408.02	E. J. Newmeyer.....	97.80
E. H. Stevens.....	401.10	W. A. Sherman.....	84.78
Mark Winchester.....	396.70	Noah Lohr.....	77.42
J. A. Bonsteel.....	396.13	Andrew Fossum.....	75.80
Harry Goding.....	374.96	J. B. Tournay.....	75.00
A. A. Alexander.....	369.53	Gertrude Parker.....	67.83
E. B. Preston.....	360.00	Eliza Lewis.....	60.00
J. W. Raley.....	353.43	Harry Haws.....	60.00
Irving Frickey.....	350.00	L. T. Conway.....	59.30
Byron Hunter.....	335.20	Robt. Bilsborough.....	49.22
G. S. Meloy.....	335.20	Harry Thompson.....	45.00
M. L. Hall.....	335.20	R. A. Boss.....	43.50
S. M. Huddleson.....	334.03	J. C. Waite.....	41.21
C. O. Wilhite.....	319.78	Patk. O'Brien.....	29.35
Mary A. Agnew.....	318.18	M. C. Smith.....	25.73
J. G. Willier.....	317.32	I. F. Bagley.....	24.00
G. B. McGinty.....	313.81	O. H. Collin.....	22.58
H. S. Graves.....	300.00	M. B. O'Brien.....	14.35
W. L. Bray.....	300.00	L. L. White.....	13.19
A. V. Steubenrauch.....	300.00	P. O. Differ.....	5.00
W. R. Dudley.....	300.00	Geo. P. Parks.....	4.57
W. F. Fox.....	300.00	Jas. Smallwood.....	1.50
C. E. Bessey.....	300.00	Chas. Norman.....	1.50
H. N. Whitford.....	300.00	Jno. Higgins.....	1.50
S. M. Coulter.....	300.00	Robt. H. Carter.....	1.50
Ethel Eckman.....	262.09	Burrell Carter.....	1.50
M. L. Brown.....	260.85	Wm. Atkinson.....	1.50
W. F. Tomlinson.....	250.00	E. B. Blackwell.....	1.50
B. H. Smith.....	250.00	J. Brown.....	1.50
Fred Lees.....	250.00	J. Brooks.....	1.50
Leroy Scribner.....	250.00	Alex. Washington.....	1.50
Helen Stokes.....	240.00	Phil. Briscoe.....	1.50
Martha Barnett.....	240.00	Jno. Thomas.....	1.50
Catherine Baltimore.....	240.00	J. Thompson.....	1.50
H. Hayward.....	234.75	Jno. Higgins.....	1.50
A. L. Dahl.....	230.77	Wm. Smallwood.....	1.50
G. W. Stiles.....	225.00	Wm. Atkins.....	1.50
H. H. Chapman.....	225.00		
A. M. Bryant.....	219.15	Total.....	459,278.81
C. F. Morris.....	213.01		

## SALARIES, WEATHER BUREAU, STATUTORY ROLL.

Willis L. Moore.....	\$5,000.00	Edgar B. Calvert.....	\$2,000.00
H. E. Williams.....	3,000.00	Jno. P. Church.....	2,000.00
Cleveland Abbe.....	3,000.00	W. F. R. Phillips.....	1,945.09
Frank H. Bigelow.....	3,000.00	D. Maring.....	1,800.00
Charles F. Marvin.....	3,000.00	Jas. R. Cook.....	1,726.63
Edward B. Garriott.....	2,500.00	Frank Gillam.....	1,800.00
A. J. Henry.....	2,500.00	J. H. Jones.....	1,800.00
Harry C. Frankenfield.....	2,000.00	F. M. Cleaver.....	1,800.00
William B. Stockman.....	2,000.00	Robert Seyboth.....	1,600.00
D. J. Carroll.....	2,249.95	P. C. Day.....	1,600.00
James Berry.....	2,000.00	George E. Hunt.....	1,600.00
J. H. Robinson.....	2,000.00	John C. Ashton.....	1,600.00

Expenditures of the Department of Agriculture for fiscal year ending June 30, 1904—Cont'd.

## SALARIES, WEATHER BUREAU, STATUTORY ROLL—Continued.

Name.	Amount.	Name.	Amount.
Henry Pennywitt.....	\$1,600.00	Isaac N. Dolph.....	\$1,196.74
H. H. Kimball.....	1,610.92	F. A. Claveloux.....	997.28
S. W. Beall.....	1,400.00	Lucien F. Senior.....	233.62
J. T. Foy.....	1,400.00	Julius J. Martin.....	766.30
G. W. Smith.....	1,400.00	Edward Dillon.....	1,000.00
T. O. Pugh.....	1,400.00	James F. Collins.....	1,000.00
G. W. Hay.....	1,400.00	Stewart S. Sharp.....	990.38
Hiram J. Penrod.....	1,150.00	Hiram Johnson.....	1,000.00
Theo. T. Moore.....	1,400.00	Daniel F. O'Neil.....	840.00
H. L. Heiskell.....	1,405.48	Fred L. Francis.....	840.00
Jno. C. Stewart.....	1,400.00	William Patrick.....	840.00
M. C. Bennett.....	1,400.00	Gustav E. Rausch.....	840.00
Jno. C. Fry.....	1,400.00	Walter S. Thornton.....	840.00
Enoch G. Johnson.....	1,400.00	John W. Towers.....	579.27
Sophia A. Beuter.....	1,400.00	John M. Haynes.....	840.00
H. W. Smith.....	1,400.00	Michael Hayes.....	720.00
Harry B. Wren.....	292.87	Charles W. Chambers.....	757.23
Wm. Berry.....	1,400.00	W. K. Durnbaugh.....	478.70
S. A. Potter.....	1,400.00	R. Hanson Weightman.....	720.00
Edward C. Easton.....	1,107.07	William O. Harvey.....	720.00
A. H. Kinnear.....	1,250.00	R. H. Morton.....	714.13
R. F. de Grain.....	1,200.00	Frank M. Angelo.....	328.70
J. H. Melton.....	1,200.00	Joseph Carey.....	720.00
W. D. Porter.....	1,200.00	David Keller.....	652.34
R. D. Meston.....	1,200.00	E. A. Branham.....	700.22
J. L. Whiteside.....	1,200.00	Richard E. Rozelle.....	720.00
Arthur Thompson.....	1,200.00	W. Plummer.....	660.00
Belle P. N. Spencer.....	782.06	Horace F. Lyon.....	247.50
Benjamin A. Blundon.....	1,205.49	John A. Balster.....	55.60
E. M. Mattison.....	1,200.00	William McLane, jr.....	660.00
Ruby S. Hotze.....	1,200.00	Everett H. Hughes.....	258.50
Wm. M. Husson.....	1,196.74	Joseph Brown.....	692.61
Clinton J. Ashton.....	1,200.00	Jesse Jones.....	448.90
D. Marean.....	1,200.00	Richard S. N. Sartz.....	600.00
Frank O. Stetson.....	1,200.00	Robert Williams.....	409.72
Homer W. Clough.....	1,200.00	John Driscow.....	410.44
Charles Holmes.....	1,200.00	Edward McDermott.....	600.00
Jos. B. Wilson.....	1,116.77	Plato T. Lee.....	567.03
Alvin T. Burrows.....	995.90	Harry W. Maedel.....	600.00
I. Gwynn Gardiner.....	1,200.00	Frederick Rice.....	581.89
John J. McLean.....	1,200.00	John Sullivan.....	665.21
Herman Volker.....	1,200.00	Wesley W. Jefferson.....	498.40
Henry Goucher.....	1,200.00	Adaline W. North.....	50.50
Samuel B. Gregory.....	600.00	Thomas H. Fichelberger.....	600.00
Charles F. Talman.....	1,189.12	William Jones.....	656.74
Mattie H. Chapman.....	1,000.00	George W. Thomas.....	284.40
S. Percy Minnick.....	1,033.30	Louis M. Campfield.....	668.48
Genevra B. Diehl.....	1,000.00	Danfel J. Brown.....	40.40
William N. Parker.....	1,000.00	Lemuel E. Taft.....	610.00
Conrad E. Hesse.....	1,000.00	Thomas Patrick.....	513.27
Frank D. Emery.....	1,000.00	Frank Matthews.....	385.82
Ralph C. Mize.....	1,000.00	Frederick M. Eisenstein.....	518.57
Franklin G. Tingley.....	1,005.52	George M. Wilmeth.....	39.20
Richard O. Lazenby.....	1,000.00	Thomas Woolfolk.....	561.91
Le Roy Weber.....	689.09	John W. Wolcott.....	552.95
Frederick W. Brist.....	40.76	Keith K. Rozzelle.....	109.95
Charles A. Howe.....	252.64	James N. Kline.....	431.30
Louis V. Luber.....	43.44	Alice L. Lieutaud.....	360.00
John F. Humer.....	624.96	Lucy Payne.....	240.00
Joseph U. Monroe.....	1,033.50	Amanda Lomax.....	240.00
Rowena A. Edwards.....	1,000.00	Clara A. Templeton.....	240.00
T. Frederick Davis.....	1,000.00	Fay F. Lewis.....	95.79
Walter J. Bennett.....	994.56	John T. S. Burns.....	317.40
Alice T. Hercus.....	916.80	Joseph B. Coleman.....	23.23
Luman M. Cleveland.....	931.37	James Kane.....	404.55
Laura F. Hawkins.....	900.00	Thomas D. Brohun.....	351.08
Herbert C. Merrill.....	900.00	Martin L. Barry.....	38.04
Charles W. Taylor.....	900.00	Walter J. McDonald.....	11.41
C. Grant Bigham.....	902.70	Lulu C. Hyle.....	72.71
Eric R. Miller.....	851.09	Shermont L. Lewis.....	28.74
Mary Long.....	840.00	Michael P. Roux.....	29.34
Claude C. Cooper.....	781.09	Carey A. Dolph.....	61.49
Charles W. Rohrer.....	630.00	George C. Beck.....	32.77
Belle Gaston.....	703.08	William Plummer, jr.....	268.91
Charles S. Grindle.....	63.91	Stephen L. McCarthy.....	32.12
Henry A. Meyers.....	210.00	Walter G. Avery.....	44.50
Virginia M. Peticolas.....	720.00	William Bronsnan.....	37.14
C. B. Tuch.....	1,400.00	Charles J. Stoddard.....	32.96
C. H. Pilcher.....	1,200.00	Frank P. Torbert, jr.....	156.61



EXPENDITURES IN DEPARTMENT OF AGRICULTURE.

Expenditures of the Department of Agriculture for fiscal year ending June 30, 1904—Cont'd.

SALARIES, WEATHER BUREAU, STATUTORY ROLL—Continued.

Name.	Amount.	Name.	Amount.
Joseph D. Burns.....	\$192.44	Henry Hockstein.....	\$106.31
Louise P. Hiss.....	174.36	Robert B. Atkinson.....	75.81
Walter B. B. Hill.....	39.56	Daniel J. Byrnes.....	19.78
D. R. Holmes.....	213.63	Johannie A. Dummore.....	79.11
Herbert Roswell.....	43.86	James H. Richards, jr.....	56.86
Edward J. Williams.....	33.36	Robert L. Fearson.....	23.49
Walter E. Kelly.....	198.49	Nettie P. McKnew.....	74.20
Henry W. Edgerton.....	26.37	Herman E. Hobbs.....	24.73
Walter Parker.....	94.28	Edward P. Gates.....	18.54

BUREAU OF ANIMAL INDUSTRY, EXPENSES.

Date.	Name.	Nature of payment.	Total.
1903.			
July 15	Geo. E. Howard.....	Labels.....	\$2,749.50
21	Wilcox & Harvey Manufacturing Co.....	Punch, etc.....	13.75
	J. M. Lovelady.....	Pigs.....	24.00
	Jno. Zickrick.....	Mare.....	15.00
	Jas. B. Lambie.....	Morticer.....	30.00
22	S. R. Burch.....	Traveling expenses.....	15.40
28	White Horse.....	Mare.....	15.00
	Jno. J. Slater.....	Abstract.....	44.68
29	G. T. DeFreece.....	Corn.....	30.15
	National Electric Supply Co.....	Desk fan.....	10.50
	Miller Lock Co.....	Padlock.....	14.00
	Jos. M. Good.....	Expenses.....	1.11
	H. A. Hedrick.....	Traveling expenses.....	12.70
31	Marion T. Dorset et al.....	Salaries.....	5,705.02
Aug. 3	Ed. H. Webster.....	Services.....	168.50
	M. W. Lang.....	do.....	151.60
	Levi Wells.....	do.....	151.60
	B. F. Van Valkenburgh.....	do.....	151.60
	Geo. M. Whittaker.....	do.....	126.40
	W. D. Collyer.....	do.....	151.60
	Geo. E. Howard.....	Labels.....	1,800.50
	L. S. Depue.....	Meal and bran.....	249.00
	D. E. Salmon.....	Traveling expenses.....	14.35
4	Edwd. S. Schmid.....	Feed.....	14.00
	do.....	Mice.....	1.50
	Jas. Johnston et al.....	Salaries.....	1,881.53
	Julius Huelsen et al.....	do.....	670.40
	H. A. Hedrick et al.....	do.....	478.30
	W. H. Rose et al.....	do.....	1,188.45
	Geo. C. Faville et al.....	do.....	294.80
	G. H. Parks.....	Services.....	134.80
	Jno. Callaghan.....	do.....	27.00
	Harry F. Hume.....	do.....	58.70
	H. D. Mayne.....	do.....	101.10
	W. J. Kennedy.....	do.....	125.00
5	Nathan K. Fegley et al.....	Salaries.....	262.80
	F. W. Bicknell.....	Services.....	250.00
	Geo. S. Hickox.....	do.....	134.80
	H. J. Hammond.....	do.....	117.90
	Allen A. Holcombe.....	do.....	126.40
	W. S. Cass.....	do.....	117.90
	Geo. A. Bond.....	do.....	117.90
	N. L. Townsend.....	do.....	117.90
	Robt. H. Treacy.....	do.....	117.90
	H. M. Rowe.....	do.....	117.90
	Wm. Proudfoot.....	do.....	84.20
	R. M. Ramsay.....	do.....	117.90
	Thos. Redmond.....	do.....	84.20
	David C. Hanawalt.....	do.....	117.90
	S. W. McClure.....	do.....	101.10
	Clinton H. Bugbee.....	do.....	117.90
	David R. Hodges.....	do.....	84.20
	Thos. White.....	do.....	117.90
	W. W. Worcester.....	do.....	117.90
	Jno. McBirney.....	do.....	134.80
	Horace H. Collins.....	do.....	101.10
	Wilton F. Crewe.....	do.....	101.10
	Catherine J. Gard.....	do.....	17.50
	W. S. Hughes.....	Mare.....	20.00
	Jos. M. Turner.....	Services.....	75.80
	Jas. Irwin.....	do.....	84.20

Expenditures of the Department of Agriculture for fiscal year ending June 30, 1904—Cont'd.

## BUREAU OF ANIMAL INDUSTRY, EXPENSES—Continued.

Date.	Name.	Nature of payment.	Total.
1903.			
Aug. 5	Wm. H. Wade	Services	\$75.80
	C. L. Morin	do	101.10
	A. J. Pistor	do	117.90
	F. O. Pettey	do	84.20
	Wm. Pflaeging	do	84.20
	Isaac W. O'Rourke	do	117.90
	Frank Parker	do	78.26
	Clayton E. Moss	do	84.20
	Thos. J. Lowry	do	84.20
	Jay Merrill	do	84.20
	R. G. Merrill	do	75.80
	Jno. C. Massie	do	84.20
	Willis B. Lincoln	do	117.90
	F. W. Hopkins	do	117.90
	Lowell Clarke	do	126.40
	W. P. Ellenberger et al.	Salaries	188.70
	Wm. G. Shaw	Services	117.90
	Murray J. Myers	do	78.26
	W. H. Meadors	do	117.90
	M. S. Lantz	do	117.90
	Arthur R. Glaisyer	do	117.90
	J. Otis Jacobs	do	117.90
	Matthew A. Farley	do	84.20
	Wilbur H. Hurst	do	101.10
	E. N. Hutchinson	do	48.91
	Frank C. Eells	do	117.90
	Wm. R. Fleming	do	117.90
	Henry R. McNally	do	101.10
	Morris T. Hascall	do	80.60
	Jno. J. Hayes	do	117.90
	Roy N. Drake	do	117.90
	W. R. Dennis	do	84.20
6	Harry Hayward	Traveling expenses	13.08
	Albert Dean et al.	Salaries	673.90
	A. G. G. Richardson et al.	do	7,325.91
	Albert E. Behnke et al.	do	1,186.87
	L. K. Green et al.	do	328.10
	H. A. Christmann et al.	do	178.50
	Fredk. Braginton et al.	do	187.00
	Geo. Ditewig et al.	do	278.00
	R. J. Blanche et al.	do	187.00
	Jas. S. Kelly et al.	do	202.20
	Edwd. P. Dowd et al.	do	187.00
	F. W. Huntington et al.	do	129.10
	Leslie J. Allen	Services	126.40
	H. B. Adair	do	126.40
	Peter I. Kershner	do	126.40
	Thos. A. Bray	do	126.40
	Arch. H. Wallace	do	117.90
	Geo. W. Browning	do	117.90
	Louis Metsker	do	117.90
	W. M. MacKeller	do	117.90
	Louis A. Klein	do	117.90
	Ernest J. Foreman	do	117.90
	Clarence A. Clawson	do	117.90
	Geo. E. Totten	do	117.90
	Jno. A. Sloan	do	117.90
	Dan McCuningham	do	101.10
	R. W. McKibbin	do	81.52
	Jno. L. Burgett	do	101.10
	Frank W. Brewer	do	101.10
	Chas. Pearson	do	101.10
	C. A. McCall	do	101.10
	W. S. Johnson	do	101.10
	Wm. D. Jordan	do	101.10
	Chas. A. Brown	do	84.20
	Marion Dorset	Expenses	17.45
	J. D. Richards	Mare	25.00
7	Nathl. B. Smith	Services	117.90
	Jno. A. Bell	do	40.00
	D. Cumming	do	65.00
	A. J. Smith	do	84.20
	Walter E. Howe	do	117.90
	G. W. Butler	do	117.90
	F. L. Russell	do	56.00
	Wm. E. Smith	do	90.00
	Jas. Hewes	do	72.00
	Chas. Cowie	do	104.00
	do	Traveling expenses	8.35



Expenditures of the Department of Agriculture for fiscal year ending June 30, 1904—Cont'd.

BUREAU OF ANIMAL INDUSTRY, EXPENSES—Continued.

Date.	Name.	Nature of payment.	Total.
1903.			
Aug. 7	F. L. Russell .....	Traveling expenses .....	\$24. 10
	Wm. Thompson et al. ....	Salaries .....	845. 29
	Chas. A. Schaufier et al. ....	do .....	1,052. 80
	Louis R. Baker et al. ....	do .....	1,142. 00
	B. P. Wende et al. ....	do .....	1,861. 10
	Louis Abel et al. ....	do .....	2,767. 93
	Edw. P. Schaffter .....	do .....	771. 54
	W. B. Niles et al. ....	do .....	494. 20
	J. B. Clancy et al. ....	do .....	4,240. 62
8	Geo. W. Pope et al. ....	do .....	1,598. 07
	J. J. Brougham et al. ....	do .....	1,628. 80
	H. H. George et al. ....	do .....	857. 40
	Trajan A. Shipley et al. ....	do .....	338. 60
	Wesley Neil et al. ....	do .....	186. 38
	F. L. De Wolf et al. ....	do .....	265. 80
	I. A. Bell et al. ....	do .....	134. 36
	Boyd Baldwin et al. ....	do .....	712. 50
	F. W. Ainsworth et al. ....	do .....	366. 90
	Harry D. Paxson et al. ....	do .....	1,231. 02
	F. D. Ketchum et al. ....	do .....	1,106. 56
	Boyd Baldwin .....	Expenses .....	5. 12
10	Wm. J. Murphy et al. ....	Salaries .....	202. 20
	M. O. Anderson et al. ....	do .....	187. 00
	W. H. Gibbs et al. ....	do .....	161. 70
	Joshua Miller et al. ....	do .....	225. 18
	Chas. H. Zink et al. ....	do .....	475. 00
	Ella M. Caldwell et al. ....	do .....	26. 08
7	Henry E. Alvord .....	Traveling expenses .....	107. 15
	S. R. Burch .....	do .....	5. 60
	F. Auerback & Bro. ....	Rent .....	30. 00
12	Wm. Lochte .....	Shoeing horses .....	15. 12
	Geo. W. Moss .....	Passenger transportation .....	245. 00
13	Harvard Laundry Co. ....	Towel service .....	5. 06
	E. C. Schroeder .....	Expenses .....	9. 51
14	Don C. Ayer et al. ....	Salaries .....	3,836. 65
	O. E. Dyson et al. ....	do .....	9,700. 56
	Walter C. Stewart et al. ....	do .....	2,294. 24
	Arthur B. Morse et al. ....	do .....	187. 00
	O. B. Hess et al. ....	do .....	417. 70
	Jno. Forbes et al. ....	do .....	3,497. 25
	Chas. Keane et al. ....	do .....	547. 50
	J. C. Milnes et al. ....	do .....	726. 10
	Geo. S. Baker et al. ....	do .....	422. 80
	Nels C. Sorensen et al. ....	do .....	2,020. 41
	Robt. Darling et al. ....	do .....	202. 20
	Jas. Fleming et al. ....	do .....	1,026. 54
	V. L. Brown et al. ....	do .....	2,489. 16
	H. D. Mayne .....	Traveling expenses .....	9. 25
	W. C. Barth .....	do .....	3. 00
	Warren J. Fretz .....	do .....	46. 65
	M. W. Lang .....	do .....	108. 03
	H. T. Potter .....	do .....	9. 25
	Wm. C. Honan .....	do .....	20. 50
	Levi Wells .....	do .....	96. 61
	R. G. Merrill .....	do .....	2. 10
	Geo. S. Hickox .....	do .....	50. 83
	B. A. Gallagher .....	do .....	5. 25
	F. W. Bicknell .....	do .....	111. 05
	Clarence Loveberry .....	do .....	13. 65
	O. B. Hess .....	do .....	1. 50
	Chas. M. Day .....	do .....	39. 30
	Robt. H. Harrison .....	do .....	8. 25
	Jas. Hewes .....	do .....	15. 82
	W. D. Collyer .....	do .....	74. 14
	B. F. Van Valkenburgh .....	do .....	28. 90
	Thos. J. Lawry .....	do .....	2. 00
	C. L. Morin .....	do .....	8. 25
	Willis B. Lincoln .....	do .....	16. 35
	Loamer West .....	Services .....	101. 10
	W. E. Hill .....	do .....	101. 10
	G. W. Ward .....	do .....	117. 90
	Amy T. Mace .....	do .....	23. 65
	Margaret Enright .....	do .....	13. 04
	Jos. M. Good .....	do .....	117. 90
	Albert Long .....	do .....	117. 90
	F. M. Perry .....	do .....	117. 90
	E. A. McDonald .....	do .....	136. 00
	W. H. Saylor .....	do .....	64. 00
	H. T. Potter .....	do .....	18. 00

## EXPENDITURES IN DEPARTMENT OF AGRICULTURE.

9

Expenditures of the Department of Agriculture for fiscal year ending June 30, 1904—Cont'd.

## BUREAU OF ANIMAL INDUSTRY, EXPENSES—Continued.

Date.	Name.	Nature of payment.	Total.
1903.			
Aug. 14	Mae Searles	Services	\$14.67
	Addie E. Benneson	do	13.04
	M. R. Fletcher	do	1.95
	Clara E. Holmes	do	8.15
	Kate H. Brady	do	13.04
	Mattie Kneeland	do	8.15
	Jas. W. Davis	do	75.80
	Dean G. Cooper	do	117.90
	A. G. G. Richardson	Expenses	9.15
	H. H. George	do	6.37
	O. B. Hess	do	9.85
	W. H. Rose	do	14.40
	Anderson & Rounds	Three mares	120.00
	J. R. Stafford	Use horse and buggy	10.00
	F. D. Ketcham	do	25.00
	A. P. Little	Supplies	5.10
	Chas. Wooden Leg	Mare	15.00
	Jno. Eagle Louse	do	17.00
	Chas. Keane	Use horse and buggy	25.00
	Saml. E. Bennett	do	45.00
	Robt. Darling	do	25.00
	Albert E. Behnke	do	35.00
	Johnson Bros.	Mare	15.00
	Russell G. Merrill	Use horse and buggy	25.00
	Hiram W. Hawley	do	32.00
	Jno. C. Lorenzen	do	35.10
	Geo. W. Butler	do	30.00
	Chas. M. Shank	Butter	3.45
	Corbin Morse	Mares	35.00
	Aug. C. Jens	Livery	25.00
	Rawlins Implement Co.	Repairs, etc.	25.43
	W. S. Cass	Livery	34.00
	Travis & De Freece	Wire	11.40
	Jas. W. Davis	Livery	18.00
	Don C. Ayer	do	15.00
	Jas. J. Brougham	do	40.00
	Jno. Post	Oats and bran	36.00
	Geo. E. Howard	Labels	500.50
	The M. Lindsay Rubber Co.	Aprons	9.00
	Densmore Typewriter Co.	Rubber covers	2.00
	St. Louis National Stockyards Co.	Rent	50.00
	W. S. Goodhue	do	50.00
15	Z. D. Gilman	Supplies	5.40
	W. B. Moses & Sons	Chair	5.50
	Fred. A. Schmidt	Pens	1.10
	National Electric Supply Co.	Fan	10.50
	do	do	10.50
	do	Clusters	3.00
	do	Fuses	2.64
	Geo. E. Howard	Labels	2,749.50
17	Yawman & Erbe Manufacturing Co.	Indexes, etc.	12.20
	The Publishers and Printers' Engraving Co.	Engraving	18.90
	Eimer & Amend	Aniline	2.50
18	Woodward & Lothrop	Desk	42.11
	Lamb & Tilden	Ink	12.00
	R. Carter Ballantyne	Binding cases	3.48
	do	Pens	19.79
19	E. T. Davison et al.	Salaries	802.20
	Henry P. Armsby et al.	do	190.00
	Caroline Burnaby	Services	40.00
	W. H. Wray	do	387.50
	Levi P. Beechy	do	117.90
	Toolie A. Geddes	do	210.60
	Isaiah Richards	do	84.20
	Henry M. Edsall	Traveling expenses	11.95
	W. H. Wray	do	7.53
	Robt. H. Treacy	do	42.50
	Arthur A. Glaisyer	do	50.00
	W. B. Niles	do	3.85
	W. R. Fleming	do	23.50
	N. L. Townsend	do	11.25
	Morris T. Haskell	do	1.50
	Geo. S. Baker	do	6.85
	W. S. Cass	do	16.60
	Wm. E. Smith	do	7.85
	F. M. Perry	do	11.20
	Geo. W. Pope	do	7.14
	Jno. A. Bell	do	10.52
	Geo. E. Totten	do	20.15



Expenditures of the Department of Agriculture for fiscal year ending June 30, 1904—Cont'd.

BUREAU OF ANIMAL INDUSTRY, EXPENSES—Continued.

Date.	Name.	Nature of payment.	Total.
1903.			
Aug. 19	M. A. Sappington.....	Traveling expenses.....	\$22.40
	Louis A. Klein.....	do.....	13.95
	Jos. W. Parker.....	do.....	3.15
	Chas. A. Brown.....	do.....	5.90
	Geo. C. Moser.....	do.....	4.05
	F. O. Pettey.....	do.....	10.75
	W. H. Wray.....	Expenses.....	3.51
	J. B. Clancy.....	do.....	2.85
	do.....	do.....	8.00
	Julius Hudson.....	do.....	7.30
	Geo. S. Hickox.....	do.....	13.00
	E. T. Davison.....	do.....	5.99
	Clarence Loveberry.....	do.....	17.95
	N. C. Sorensen.....	do.....	5.00
	W. B. Niles.....	do.....	13.00
	Saml. E. Bennett.....	do.....	2.75
	The Jas. A. Gray Co.....	File ties.....	9.24
	Union Envelope Co.....	Envelopes.....	77.00
	T. S. Buck Manufacturing Co.....	Cement.....	19.95
	Queen & Co. (Incorporated).....	Alcohol.....	6.00
	Chadwick Copying Book Co.....	Books.....	46.00
	Leo G. Wood.....	Mare.....	20.00
	Chas. M. Bourne.....	Mares.....	60.00
	C. H. Mathews.....	Stallion.....	25.00
	Valentine Hussong.....	Mare.....	25.00
	Wm. S. Wood.....	Mares.....	65.00
	Jno. Phillips.....	Mare.....	20.00
	Mrs. E. F. Arnold.....	do.....	25.00
	Norvell Shapleigh Hardware Co.....	Clippers.....	6.00
	Boston Electric Co.....	Fans.....	21.00
	O. E. Dyson.....	Livery.....	25.00
	S. W. Burt.....	do.....	25.00
20	Thos. R. Riley.....	Tags.....	8.50
	Lutz & Co.....	Pads.....	1.50
21	Ed. H. Webster.....	Expenses.....	14.38
	Frank Parker.....	do.....	35.50
	Ed. H. Webster.....	Traveling expenses.....	71.27
22	G. W. Ward.....	do.....	20.75
	Wm. F. Pfingling.....	do.....	48.10
	S. W. McClure.....	do.....	41.00
	D. C. Hanawalt.....	do.....	101.35
	Jno. McBirney.....	do.....	72.00
	E. N. Hutchinson.....	do.....	47.05
	A. J. Pistor.....	do.....	49.80
	N. B. Smith.....	do.....	47.15
	Henry R. McNally.....	do.....	23.25
	A. H. Wallace.....	do.....	25.40
	Western L. Johnson.....	do.....	5.25
	Dan McCuningham.....	do.....	30.00
	Thos. A. Bray.....	do.....	45.25
	Chas. Pearson.....	do.....	25.70
24	M. S. Lantz.....	do.....	46.25
	Walter E. Howe.....	do.....	91.60
	Clayton E. Moss.....	do.....	150.25
	Toolie A. Geddes.....	do.....	36.04
	Ernest J. Foreman.....	do.....	41.85
	Louis Metsker.....	do.....	81.75
	C. A. Clawson.....	do.....	40.15
	Wm. M. MacKellar.....	do.....	46.75
	F. W. Brewer.....	do.....	58.50
	Wm. G. Shaw.....	do.....	82.84
	M. A. Farley, jr.....	do.....	87.80
	Frank C. Eells.....	do.....	102.25
	Jno. J. Hayes.....	do.....	89.00
	C. H. Bugbee.....	do.....	114.75
	L. J. Allen.....	do.....	48.95
	W. D. Jordan.....	do.....	47.67
	J. W. O'Rourke.....	do.....	71.10
	Jno. R. Mohler.....	Expenses.....	3.00
25	J. F. Ryder.....	Traveling expenses.....	30.00
	Jno. L. Burgett.....	do.....	14.45
	O. B. Hess.....	do.....	8.10
	E. A. McDonald.....	do.....	136.13
	C. A. McCall.....	do.....	55.10
	Lowell Clarke.....	do.....	86.70
	J. F. Ryder.....	Services.....	168.50
	American Ice Co.....	Ice.....	32.71
	Rudolph, West & Co.....	Wire.....	11.34
	Eimer & Amend.....	Flasks.....	6.20

Expenditures of the Department of Agriculture for fiscal year ending June 30, 1904—Cont'd.

## BUREAU OF ANIMAL INDUSTRY, EXPENSES—Continued.

Date.	Name.	Nature of payment.	Total.
1903.			
Aug. 25	Bausch & Lomb Optical Co.	Supplies	\$49.43
	.....do.....	Microtome	62.25
	Trustees of the Milk Street Trust	Rent	75.00
26	David R. Hodges	Traveling expenses	131.75
	Wesley N. Niel	do	21.15
	Roy N. Drake	do	61.50
	W. W. Worcester	do	51.75
	E. T. Davison	do	84.80
	Jno. A. Stauffer	do	5.00
	H. J. Gilmore	Copying press	7.20
	The Anderson Lumber Co.	Lumber	96.06
27	Wilbur H. Hurst	Traveling expenses	86.05
	Thos. Redmond	do	81.30
	A. R. Wake	do	57.25
	Isaiah Richards	do	91.05
	J. Otis Jacobs	do	104.30
	L. K. Green	do	5.67
	Harry M. Ball	do	87.28
	Thos. White	do	15.75
	Geo. M. Rommel	do	65.71
	H. M. Rowe	do	95.30
	Clarence Loveberry	Expenses	35.48
	Chas. M. Bourne	Mare	20.00
	J. P. Nawrath	Cable	10.15
	I. J. M. Brown	Service, man, horse, and saddle	45.00
	L. S. Depue	Corn, etc.	30.00
	Thos. R. Riley	Lumber	74.00
	Geo. D. Markham	Hogs	148.75
	E. G. Schafer & Co.	Solder	.91
	News Publishing Co.	Advertising	2.52
28	Henry E. Alvord	Traveling expenses	46.50
	Clarence Loveberry et al.	Salaries	485.53
	Geo. D. Markham	Cattle	200.00
	Chas. Hubinger	Hardware	41.75
31	Marion T. Dorset et al.	Salaries	5,962.42
Sept. 3	Ed. H. Webster	Services	168.50
	Geo. M. Whitaker	do	126.40
	W. D. Collyer	do	151.60
	M. W. Lang	do	151.60
	B. F. Van Valkenburgh	do	151.60
	Levi Wells	do	151.60
	Jno. Callahan	do	39.00
	H. D. Mayne	do	101.10
	G. H. Parks	do	134.80
	Harvey F. Hume	do	60.60
	F. W. Hopkins	do	117.90
	Willis B. Lincoln	do	117.90
	Wm. G. Shaw	do	11.41
	Joseph M. Good	do	117.90
	W. H. Meadors	do	117.90
	Jos. M. Turner	do	75.80
	Marion Dorset	Expenses	10.24
	F. W. Ainsworth	do	5.00
	S. R. Burch	Traveling expenses	31.30
	W. P. Ellenberger	do	9.65
	E. J. Drake	do	19.25
	Geo. A. Bond	do	145.40
	R. A. Ramsay	do	87.25
	Edw. C. Joss	do	1.25
	A. J. Smith	do	120.00
	Wm. Proudfoot	do	51.00
	Jno. C. Massie	do	85.00
	Jay Merrill	do	123.00
	W. H. Meadors	do	34.70
4	Henry P. Armsby et al.	Salaries	190.00
	Jas. Johnston et al.	do	2,074.46
	W. P. Ellenberger et al.	do	188.70
	Geo. C. Faville et al.	do	294.80
	H. A. Hedrick et al.	do	478.30
	Julius Huelsen et al.	do	658.97
	W. H. Rose et al.	do	1,188.45
	Geo. E. Bedell	Recaning chairs	3.50
	Potomac Electric Power Co.	Electric current	50.73
	Washington Gas Light Co.	Gas	36.10
	F. W. Bicknell	Services	250.00
5	Geo. W. Pope et al.	Salaries	1,349.02
	Lewis R. Baker et al.	do	1,119.16
	A. E. Behnke et al.	do	1,257.78
	Nathan K. Fegley et al.	do	262.80



*Expenditures of the Department of Agriculture for fiscal year ending June 30, 1904—Cont'd.*

BUREAU OF ANIMAL INDUSTRY, EXPENSES—Continued.

Date.	Name.	Nature of payment.	Total.
1903.			
Sept. 5	Edw. P. Schaffter et al.	Salaries	\$650.62
	C. A. Schaufiler et al.	do.	1,088.80
	J. J. Brougham et al.	do.	1,628.80
	J. E. Blackwell et al.	do.	3,356.68
8	O. E. Dyson et al.	do.	9,618.37
	Harry N. Waller et al.	do.	2,972.38
	Virgil L. Brown et al.	do.	2,482.41
	A. J. Pistor.	Services	117.90
	A. D. Melvin.	Traveling expenses	51.15
9	C. L. Morin.	do.	5.45
	Boyd Baldwin.	Expenses	4.92
	F. L. De Wolf.	do.	.50
	Horace H. Collins.	do.	101.10
	Lowell Clarke.	Services	126.40
	Geo. A. Bond.	do.	117.90
	Thos. J. Lowery.	do.	84.20
	Wilbur H. Hunt.	do.	101.10
	Walter E. Howe.	do.	117.90
	Allen A. Holcombe.	do.	126.40
	John J. Hayes.	do.	117.90
	Geo. S. Hickox.	do.	134.80
	I. W. O'Rourke.	do.	117.90
	Frank Parker.	do.	101.10
	F. O. Petty.	do.	84.20
	W. W. Worcester.	do.	117.90
	G. R. Brewer.	do.	23.48
	Jno. C. Massie.	do.	84.20
	M. S. Lantz.	do.	117.90
	J. Otis Jacobs.	do.	117.90
	Ernest N. Hutchinson.	do.	126.40
	David R. Hodges.	do.	84.20
	Morris T. Hascall.	do.	84.20
	H. J. Hammond.	do.	117.90
	D. C. Hanawalt.	do.	117.90
	A. R. Glaisyer.	do.	15.22
	Thos. Redmond.	do.	84.20
	W. R. Fleming.	do.	117.90
	Thos. J. White.	do.	117.90
	W. R. Dennis.	do.	84.20
	Laomer West.	do.	101.10
	Jno. L. Burgett.	do.	101.10
	Geo. W. Browning.	do.	117.90
	Arch. H. Wallace.	do.	117.90
	C. A. McCall.	do.	101.10
	Geo. E. Totten.	do.	117.90
	Ernest J. Foreman.	do.	117.90
	H. B. Adair.	do.	126.40
	D. Cumming.	do.	101.10
	C. L. Morin.	do.	101.10
	W. S. Cass.	do.	117.90
	W. F. Crewe.	do.	101.10
	Chas. W. Deming.	do.	101.10
	Clinton H. Bugbee.	do.	117.90
	Ray N. Drake.	do.	117.90
	Frank C. Eells.	do.	117.90
	M. A. Farley, jr.	do.	84.20
	A. J. Smith.	do.	84.20
	N. B. Smith.	do.	117.90
	N. L. Townsend.	do.	117.90
	Clarence O. Durfee.	do.	26.63
	Jas. Irwin.	do.	84.20
	F. M. Perry.	do.	117.90
	Wm. H. Wade.	do.	75.80
	Harry M. Ball.	do.	117.90
	Henry R. McNally.	do.	101.10
	R. G. Merrill.	do.	75.80
	S. W. McClure.	do.	101.10
	Clayton E. Moss.	do.	84.20
	Jno. McBirney.	do.	134.80
	Jno. Forbes.	do.	134.80
	Isaiah Richards.	do.	84.20
	H. M. Rowe.	do.	117.90
	R. A. Ramsay.	do.	117.90
	Wm. Froidfoot.	do.	84.20
	C. A. Clawson.	do.	117.90
	W. L. Johnson.	do.	101.10
	Frank W. Brewer.	do.	101.10
	S. J. Allen.	do.	126.40
	Jno. A. Sloan.	do.	117.90

Expenditures of the Department of Agriculture for fiscal year ending June 30, 1904—Cont'd.

## BUREAU OF ANIMAL INDUSTRY, EXPENSES—Continued.

Date.	Name.	Nature of payment.	Total.
1903.			
Sept. 9	Chas. Pearson	Services	\$101.10
	Wm. M. MacKellar	do	117.90
	Wm. D. Jordan	do	101.10
	Louis Metsker	do	117.90
	Peter J. Kershner	do	126.40
	Chas. O. Brown	do	84.20
	Thos. A. Bray	do	126.40
	Dan McCunningham	do	101.10
	Louis A. Klein	do	117.90
	Jay Merrill	do	84.20
	Albert Dean et al.	Salaries	673.90
	Geo. Ditewig et al.	do	278.00
	R. P. Blanche et al.	do	126.40
	Edw. P. Dowd et al.	do	187.00
	Fredk. Braginton et al.	do	187.00
	L. K. Greene et al.	do	320.10
	W. J. Murphy et al.	do	202.20
	Boyd Baldwin et al.	do	611.40
	F. W. Huntington et al.	do	127.10
	J. S. Kelly et al.	do	202.20
	B. P. Wende et al.	do	1,958.93
	H. H. George et al.	do	857.40
	F. L. De Wolf et al.	do	259.80
	W. F. Pfaeving	Services	84.20
	Albert N. Irwin	do	48.91
	G. W. Ward	do	117.90
	do	Traveling expenses	21.75
	L. S. Depue	Bran and meal	228.00
	Geo. E. Howard	Labels	3,250.00
10	Harry D. Paxson et al.	Salaries	1,244.42
	F. D. Ketchum et al.	do	1,091.09
	W. H. Gibbs et al.	do	161.70
	C. H. Zink et al.	do	448.90
	Jas. Fleming et al.	do	1,014.80
	A. F. Martins	Traveling expenses	11.85
	Allen A. Holcombe	do	100.50
	H. T. Potter	Services	6.00
	Morris Wooden	do	151.60
	A. G. G. Richardson	Expenses	7.65
	Wm. Thompson	do	3.05
	Julius Huelson	do	10.25
	H. H. George	do	7.17
	Rudolph, West & Co.	Shovels, etc.	47.65
	Eimer & Amend	Pestle	2.30
	Queen & Co., Inc.	Cover glasses	3.00
	do	Paraffin, etc.	6.69
	Union Envelope Co.	Envelopes	79.31
	Henry Heil Chemical Co.	Peptone, etc.	21.00
	Whitall, Tatum & Co.	Droppers	4.35
	do	Flasks	20.67
	F. Bishop & Co.	Platinum wire	4.52
	Mallinckrodt Chemical Co.	American sulphate	13.70
	Fred. A. Schmidt	Sealing wax	3.00
	do	Paper	4.50
	R. P. Clarke Co.	Sheeting	1.80
	Barber & Ross	Files	7.20
	Jas. B. Lambie	Brooms, etc.	25.30
	Edw. Schmid	Feed	14.00
	do	Pigeons	.40
	Blum Bros.	Brushes	6.37
	L. G. Orndorff	Tubing and bands	1.60
	do	Reins	2.50
	W. H. Kupp & Co.	Books and ink	6.00
	do	Glass stoppers	2.25
	Mallinckrodt Chemical Works	Benzole	14.50
11	Mamie Trice	Hogs	21.25
	Harvard Laundry Co.	Towel service	4.70
	Underwood Typewriter Co.	Repairs	15.00
	Geo. D. Markham	Hogs	60.00
	The Evening News Publishing Co.	Advertising	5.40
	Chicago Car Seal and Manufacturing Co.	Seals	14.50
	G. W. Butler	Use horse and buggy	30.00
	F. Auerbach & Bro.	Office rent	30.00
	J. R. Stafford	Use horse and buggy	10.00
	R. G. Merrill	do	25.00
	Aug. C. Jens	do	25.00
	E. J. Brooks & Co.	Seals	50.88
	Whirlwind Horse	Mare	15.00
	Chas. Robertson	do	20.00

Expenditures of the Department of Agriculture for fiscal year ending June 30, 1904—Cont'd.

BUREAU OF ANIMAL INDUSTRY, EXPENSES—Continued.

Date.	Name.	Nature of payment.	Total.
1903.			
Sept. 11	F. D. Ketchum .....	Use horse and buggy .....	\$25.00
	Jas. J. Brougham .....	.....do.....	40.00
	Geo. A. Myers & Co. ....	Paper .....	29.00
	J. R. Brennan .....	Mare .....	25.00
	W. S. Goodhue .....	Office rent .....	50.00
	Jno. Post .....	Oats, etc. ....	44.25
	Old Dominion Paper Co. ....	Books .....	8.64
	David Pifferling .....	Horses .....	90.00
	The Anderson Lumber Co. ....	Lumber .....	215.22
	Samuel E. Bennett .....	Use horse and buggy .....	45.00
12	Wm. Lochte .....	Shoeing horses .....	12.70
	American Ice Co. ....	Ice .....	32.07
	Dan. C. Ayer et al. ....	Salaries .....	3,827.08
	Levi P. Beechy et al. ....	.....do.....	441.65
	T. A. Shipley et al. ....	.....do.....	333.72
	A. G. G. Richardson et al. ....	.....do.....	7,621.88
14	Geo. E. Howard .....	Stamps, etc. ....	245.85
	L. S. Depue .....	Oats .....	480.00
16	Geo. S. Baker et al. ....	Salaries .....	422.80
	W. B. Niles et al. ....	.....do.....	546.70
	Chas. Keane et al. ....	.....do.....	547.50
	O. B. Hess et al. ....	.....do.....	417.70
	Clarence Loveberry et al. ....	.....do.....	423.00
	Fredk. Ainsworth et al. ....	.....do.....	372.90
	Joshua Miller et al. ....	.....do.....	255.85
	E. T. Davison et al. ....	.....do.....	939.20
	W. N. Neil et al. ....	.....do.....	709.20
	Wm. Thompson et al. ....	.....do.....	813.50
	N. C. Sorensen et al. ....	.....do.....	1,997.79
	J. B. Clancy et al. ....	.....do.....	4,222.25
	W. J. Stewart et al. ....	.....do.....	4,368.29
	Robt. Darling et al. ....	.....do.....	202.20
	J. C. Milnes et al. ....	.....do.....	210.60
	Herman A. Christman et al. ....	.....do.....	151.90
	M. O. Anderson et al. ....	.....do.....	187.00
	Isetta A. Bell et al. ....	.....do.....	212.91
	W. H. Wray .....	Expenses .....	3.21
	Geo. W. Pope .....	.....do.....	4.47
	Matilda Evanson .....	Services .....	44.02
	Charlotte R. Grosse .....	.....do.....	30.98
	W. H. Wray .....	.....do.....	387.50
	J. F. Ryder .....	.....do.....	168.50
	Dean G. Cooper .....	.....do.....	117.90
	A. C. Hart .....	.....do.....	117.90
	Geo. W. Butler .....	.....do.....	117.90
	Robt. H. Treacy .....	.....do.....	117.90
	Caroline Burnaby .....	.....do.....	40.00
	Chas. Cowie .....	.....do.....	96.00
	Wm. E. Smith .....	.....do.....	90.00
	W. E. Hill .....	.....do.....	101.10
	Jas. W. Davis .....	.....do.....	75.80
	Jas. Hewes .....	.....do.....	72.00
	M. W. Lang .....	Traveling expenses .....	140.51
	Levi Wells .....	.....do.....	155.36
	J. F. Ryder .....	.....do.....	30.00
	W. B. Niles .....	.....do.....	13.65
	W. H. Wray .....	.....do.....	6.72
	Geo. W. Pope .....	.....do.....	5.88
	Chas. M. Day .....	.....do.....	45.60
	Jas. Hewes .....	.....do.....	16.35
	Jno. P. O'Leary .....	.....do.....	9.87
	Wm. C. Honan .....	.....do.....	16.75
	T. P. White .....	.....do.....	4.25
	Thos. W. Oshel .....	.....do.....	7.00
	Ed. H. Webster .....	.....do.....	70.84
	W. D. Collyer .....	.....do.....	32.72
	Clarence Loveberry .....	.....do.....	13.25
	H. D. Mayne .....	.....do.....	6.95
	F. M. Perry .....	.....do.....	9.70
	Geo. S. Baker .....	.....do.....	7.00
	Geo. S. Hickox .....	.....do.....	38.75
	B. F. Van Valkenburgh .....	.....do.....	12.62
	Chas. Pearson .....	.....do.....	15.25
	Louis Metsker .....	.....do.....	27.00
	Jos. W. Parker .....	.....do.....	2.05
	W. J. Fretz .....	.....do.....	55.95
	R. W. Hickman .....	.....do.....	32.40
	Wm. M. MacKeller .....	.....do.....	62.25
	Thos. A. Bray .....	.....do.....	39.95



Expenditures of the Department of Agriculture for fiscal year ending June 30, 1904—Cont'd.

## BUREAU OF ANIMAL INDUSTRY, EXPENSES—Continued.

Date.	Name.	Nature of payment.	Total.
1903.			
Sept. 16	Jno. L. Burgett.....	Traveling expenses.....	\$15.50
	Peter I. Kershner.....	do.....	10.35
	Geo. F. Totten.....	do.....	8.75
	W. H. Rose.....	do.....	13.10
	Clarence Loveberry.....	Expenses.....	20.91
	A. B. Morse et al.....	Salaries.....	187.00
17	Jno. C. Lorenzen.....	Use horse, etc.....	35.10
	Albert E. Behnke.....	do.....	35.00
	O. E. Dyson.....	Use saddle horse.....	25.00
	E. T. Davison.....	Use horse, etc.....	38.40
	Don C. Ayer.....	Use horse.....	15.00
	Jas. W. Davis.....	Use horse, etc.....	18.00
	H. W. Hawley.....	do.....	32.00
	Chas. Hubinger.....	Dynamite, etc.....	33.35
	do.....	Gasoline.....	7.50
	Hooper, Lewis & Co.....	Ink, etc.....	3.20
	do.....	Glue, etc.....	9.00
	Chas. Keane.....	Use horse, etc.....	25.00
	S. W. Burt.....	Use horse.....	25.00
	Robt. Darling.....	Use horse, etc.....	25.00
	Trustees of the Milk St. Trust.....	Office rent.....	75.00
	Saml. E. Bennett.....	Expenses.....	4.65
	Jno. A. Sloan.....	Traveling expenses.....	33.45
	Chas. A. Brown.....	do.....	15.40
	C. A. McCall.....	do.....	28.40
	L. J. Allen.....	do.....	39.50
	E. J. Foreman.....	do.....	45.15
	Albert Dean.....	do.....	6.40
	Dan McCuningham.....	do.....	39.60
	Jno. A. Sloan.....	do.....	30.50
	Frank W. Brewer.....	do.....	64.10
	Laomer West.....	do.....	29.50
	L. K. Greene.....	do.....	10.30
	W. R. Dennis.....	do.....	111.50
18	Wm. H. Saylor.....	Services.....	64.00
	F. L. Russell.....	do.....	16.00
	Pennsylvania R. R. Co.....	Passenger transportation.....	20.00
	Jean I. Nelson.....	Traveling expenses.....	19.65
	Wm. D. Jordan.....	do.....	84.00
	E. T. Davison.....	do.....	49.00
19	Southern Rwy. Co.....	Passenger transportation.....	10.00
21	Jas. B. Lambie.....	Steel.....	.55
	D. N. Wallford.....	Shells.....	1.60
	National Mortar Co.....	Lime.....	5.00
	Woodward & Lothrop.....	Soap.....	7.50
	M. G. Copeland Co.....	Flags.....	6.82
	E. Morrison Paper Co.....	Tags.....	2.25
	D. E. Salmon.....	Traveling expenses.....	72.25
22	Tovie A. Geddes.....	Services.....	210.60
	M. E. Knowles.....	do.....	20.00
	E. C. Schroeder.....	Expenses.....	8.34
	W. B. Niles.....	do.....	13.00
	Chas. M. Day.....	do.....	4.30
	H. J. Hammond.....	do.....	81.50
	W. F. Crewe.....	Traveling expenses.....	14.45
	W. W. Worcester.....	do.....	28.50
	W. R. Fleming.....	do.....	27.00
	Wm. Proudfoot.....	do.....	77.00
	M. T. Hascall.....	do.....	5.75
	Jno. McBirney.....	do.....	103.50
	David C. Hanawalt.....	do.....	81.45
	Jno. J. Hayes.....	do.....	54.75
	A. H. Wallace.....	do.....	4.25
	Robt. H. Treacy.....	do.....	47.00
	Wm. J. Muldoun.....	do.....	18.30
	Chas. W. Deming.....	do.....	21.50
	N. L. Townsend.....	do.....	6.25
	W. L. Johnson.....	do.....	24.45
	David R. Hodges.....	do.....	144.75
	M. S. Lantz.....	do.....	64.50
	A. D. Melvin.....	do.....	66.30
	A. J. Pistor.....	do.....	16.25
	N. B. Smith.....	do.....	30.25
	Frank Baker.....	do.....	66.70
	F. O. Petty.....	do.....	31.25
	Louis A. Klein.....	do.....	44.35
	Tovie A. Geddes.....	do.....	91.79
	H. J. Hammond.....	do.....	70.25
	Clinton H. Bugbee.....	do.....	112.75

Expenditures of the Department of Agriculture for fiscal year ending June 30, 1904—Cont'd.

BUREAU OF ANIMAL INDUSTRY, EXPENSES—Continued.

Date.	Name.	Nature of payment.	Total.
1903			
Sept. 22	W. F. Pflaeging .....	Traveling expenses	\$63.70
	M. A. Farley, jr. ....	do.	107.77
	Jay Merrill .....	do.	92.40
	Isaac W. O'Rourke .....	do.	96.25
	Horace H. Collins .....	do.	71.80
	Lowell Clarke .....	do.	56.00
	Jno Forbes .....	do.	49.85
	W. S. Cass .....	do.	14.50
	R. A. Ramsay .....	do.	89.25
	A. R. Wake .....	do.	47.50
	Frank C. Fells .....	do.	55.35
	Wilber H. Hurst .....	do.	23.25
	Roy N. Drake .....	do.	11.25
	E. J. Drake .....	do.	12.70
	Thos. Redmond .....	do.	69.80
	Clayton E. Moss .....	do.	150.25
	Walter E. Howe .....	do.	29.50
24	P. E. Quinn .....	Services	29.35
	W. S. Alexander .....	do.	45.00
	A. H. Post .....	Sand, etc.	31.05
	H. B. Keese .....	Seed	5.15
	Biddell & Bogart Painters' Supply Co. ....	Oil, etc.	24.18
	The D. Henry Building Co. ....	Compo. board	17.76
	Milton P. Haywood .....	Sash	13.50
	Emil Greiner .....	Rubber stoppers	6.25
	T. J. Edwards .....	Services	9.10
	Library Bureau .....	Cards	7.20
	Queen & Co. (Incorporated) .....	Tubes	7.20
	Mallinckrodt Chemical Works .....	Iodide, etc.	3.20
	Bausch & Lomb Optical Co. ....	Needles, etc.	7.03
	F. J. Lamb .....	Corn	27.45
	Bert Loomer .....	Mare	15.00
	Kny-Scheerer .....	Creolin	9.00
	Chicago Car Seal and Manufacturing Co. ....	Tags	91.00
	W. S. Cass .....	Use horse and buggy	34.00
	S. W. McClure .....	Traveling expenses	112.75
	Allen A. Holcombe .....	do.	105.00
	Henry R. McNally .....	do.	26.25
	Horace H. Collins .....	do.	66.50
	Ernest N. Hutchinson .....	do.	78.20
	F. L. Russell .....	do.	7.25
	W. H. Headors .....	do.	94.20
28	H. M. Rowe .....	do.	90.50
	Isaiah Richards .....	do.	93.10
	Jno. C. Massie .....	do.	96.50
	Jacob Leismann .....	do.	1.45
	J. B. Clancy .....	Expenses	3.00
	do. ....	do.	8.00
	Geo. S. Hickox .....	do.	7.05
	St. Louis National Stock Yards .....	Rent	50.00
	Jno. Balmier .....	Mare	35.00
	Edison Electric Illuminating Co. of Boston ..	Electric current	1.35
	W. J. Kennedy .....	Services	100.00
30	Marion Dorset et al. ....	Salaries	5,670.40
	Total, first quarter .....		208,213.73
Oct 3	S. R. Burch .....	Traveling expenses	3.95
	D. E. Salmon .....	do.	31.15
	Jno. S. Buckley .....	do.	12.25
	Marion Dorset .....	Expenses	17.14
5	Ed. H. Webster .....	Services	163.00
	M. W. Lang .....	do.	146.80
	W. D. Collyer .....	do.	146.80
	Levi Wells .....	do.	146.80
	Geo. M. Whitaker .....	do.	122.20
	Jno. F. Markley .....	do.	60.60
	B. F. Van Valkenburgh .....	do.	146.80
6	F. M. Perry .....	do.	114.20
	W. E. Smith .....	do.	90.00
	Jas. Irwin .....	do.	81.60
	F. W. Bicknell .....	do.	250.00
	W. J. Kennedy .....	do.	100.00
	G. H. Parks .....	do.	130.40
	Jos. M. Turner .....	do.	73.40
	Wm. M. MacKeller .....	do.	114.20
	Jos. M. Good .....	do.	114.20
	D. Cumming .....	do.	85.00
	Wm. H. Wade .....	do.	73.40

Expenditures of the Department of Agriculture for fiscal year ending June 30, 1904—Cont'd.

## BUREAU OF ANIMAL INDUSTRY, EXPENSES—Continued.

Date.	Name.	Nature of payment.	Total.
1903. Oct. 6	W. B. Lincoln	Services	\$114.20
	W. H. Meadors	do	114.20
	Geo. D. Painter	do	97.80
	F. W. Hopkins	do	114.20
	C. L. Morin	do	97.80
	H. D. Mayne	do	97.80
	Walter H. Yingst	do	97.80
	A. A. Holcombe	do	122.20
7	Fredk. Braginton et al.	Salaries	181.00
	L. K. Green et al.	do	309.80
	Trapan A. Shipley et al.	do	327.80
	Geo. Ditewig et al.	do	269.00
	Wilber J. Murphy et al.	do	195.60
	Henry P. Armsley et al.	do	185.00
	Geo. C. Faville et al.	do	285.40
	H. A. Hedrick et al.	do	463.40
	Julius Huelson et al.	do	673.60
	M. K. Pegley et al.	do	254.40
	Edw. P. Dowd et al.	do	181.00
	A. E. Behnke et al.	do	1,204.35
	Albert Dean et al.	do	636.00
	W. P. Ellenberger et al.	do	182.60
	F. W. Huntington et al.	do	133.80
	Thos. A. Bray	Services	122.20
	Peter I. Kershner	do	122.20
	H. B. Adair	do	122.20
	Leslie J. Allen	do	122.20
	Jno. A. Sloan	do	114.20
	Ernest J. Foreman	do	114.20
	Louis Metsker	do	114.20
	Geo. E. Totten	do	114.20
	Geo. W. Browning	do	114.20
	C. A. Clawson	do	114.20
	Louis A. Klein	do	114.20
	Geo. A. Bond	do	114.20
	Nathaniel B. Smith	do	114.20
	R. A. Ramsay	do	114.20
	Clinton H. Bugbee	do	114.20
	Robt. H. Treacy	do	114.20
	J. Otis Jacobs	do	114.20
	Geo. Jerome	do	97.80
	C. A. McCall	do	97.80
	Jno. L. Burgett	do	97.80
	Wm. L. Hiatt	do	97.80
	W. L. Johnson	do	97.80
	Jno. A. Stauffer	do	97.80
	Laomer West	do	97.80
	Theo. S. Rich	do	97.80
	Frank W. Brewer	do	97.80
	Wm. D. Jordan	do	97.80
	Dan. McCunningham	do	97.80
	Albert N. Irwin	do	97.80
	S. W. McClure	do	97.80
	W. F. Crewe	do	97.80
	Chas. Pearson	do	97.80
	A. H. Wallace	do	87.50
	Morris T. Hascall	do	81.60
8	Geo. E. Howard	Labels	3,250.00
9	I. W. Pew	Traveling expenses	13.25
	Jay Merrill	Services	81.60
	Thos. Redmond	do	81.60
	Willard A. Savage	do	122.20
	E. E. Woodward	do	14.68
	F. P. Herron	do	58.80
	H. T. Potter	do	3.00
	Geo. W. Butler	do	114.20
	Wilbur H. Hurst	do	97.80
	Frank Parker	do	97.80
	Wm. Proudfoot	do	81.60
	H. J. Hammond	do	114.20
	W. W. Worcester	do	114.20
	H. H. Collins	do	114.20
	Henry R. McNally	do	97.80
	Wm. F. Pflaeging	do	81.60
	Isaiah Richards	do	81.60
	Thos. J. Lowry	do	81.60
	F. O. Petty	do	81.60
	W. S. Cass	do	114.20



Expenditures of the Department of Agriculture for fiscal year ending June 30, 1904—Cont'd.

## BUREAU OF ANIMAL INDUSTRY, EXPENSES—Continued.

Date.	Name.	Nature of payment.	Total.
1903.			
Oct. 9	N. L. Townsend	Services	\$114.20
	Ray N. Drake	do	114.20
	Wm. R. Fleming	do	114.20
	A. J. Pistor	do	114.20
	Jno. J. Hayes	do	114.20
	Thos. White	do	114.20
	Frank C. Eells	do	114.20
	I. W. O'Rourke	do	114.20
	M. S. Lantz	do	114.20
	Walter E. Howe	do	114.20
	Alex E. Wight	do	114.20
	Chas. W. Deming	do	97.80
	W. F. Jones	do	97.80
	W. J. Muldoun	do	97.80
	Jas. E. Ellis	do	97.80
	R. G. Merrill	do	73.40
	Jno. A. Kiernan	do	122.20
	David R. Hodges	do	81.60
	Jno. C. Massie	do	81.60
	A. J. Smith	do	81.60
	Clayton E. Moss	do	81.60
	Jno. McBirney	do	130.40
	W. B. Niles et al.	Salaries	488.60
	Louis R. Baker et al.	do	1,092.98
	Wesley N. Niel et al.	do	672.00
	Jas. J. Brougham et al.	do	1,577.40
	W. H. Rose et al.	do	1,150.60
	H. H. George et al.	do	830.20
	A. G. G. Richardson et al.	do	7,856.02
	E. P. Schaffter et al.	do	696.60
	Chas. A. Schaufler et al.	do	1,023.74
	Boyd Baldwin et al.	do	624.32
	Jas. Johnson et al.	do	1,922.95
	B. P. Wende et al.	do	1,866.35
	A. B. Morse et al.	do	181.00
	Harry N. Waller et al.	do	2,888.03
	Geo. W. Pope et al.	do	1,067.91
10	Geo. E. Howard	Labels	509.30
	Jas. B. Lambie	Box pulls	6.00
	Woodward & Lothrop	Cheese cloth	.88
	W. H. Rupp & Co	Files	2.50
	Francis Miller	Glass	5.60
	Harvard Laundry Co	Towel service	4.67
	Geo. D. Markham	Hogs	212.50
	do	Cattle	40.00
	Rudolph, West & Co.	Locks, etc	27.20
	Washington Gaslight Co	Gas	31.90
	do	do	39.30
	Potomac Electric Co.	Current	47.58
	do	do	56.71
12	Thos. R. Riley	Windows	18.55
	National Electrical Supply Co.	Motor	37.00
	Barber & Ross	Vis, etc	12.00
	E. G. Schafer & Co.	Nipples, etc	8.86
	Edw. S. Schmid	White mice	3.00
	Lutz & Co.	Repairing harness	3.25
	Chas. R. Edmonston	Sauce pot, etc	14.10
	A. W. Wilson & Bro.	Coal	529.56
	F. W. Balgiano & Co.	Seed	6.80
	R. P. Andrews & Co. (incorporated)	Paste	7.35
	David Piferling	Horse	45.00
	The M. Lindsay Rubber Co.	Sheeting	1.00
	Wm. Lochte	Shoeing horses	12.85
	L. G. Orndorff	Harrow, etc	20.50
	O. E. Dyson et al.	Salaries	9,422.72
	V. S. Brown et al.	do	2,540.26
	Jas. Fleming et al.	do	998.20
	Harry D. Paxson et al.	do	1,179.56
	M. O. Anderson et al.	do	181.00
	Chas. H. Zink et al.	do	435.60
	Richd. J. Blanche et al.	do	122.20
	Walter J. Stewart et al.	do	4,759.95
	Niels C. Sorensen et al.	do	2,091.33
	Geo. S. Hickox et al.	do	888.60
14	N. H. Shea	Soapine	1.44
	Thos. Somerville & Sons	Repairing pump	5.10
	E. H. Webster	Transportation	2.65
	Church & Stephenson	Lumber	65.00
	Chas. A. Schaufler	Using horse, etc	105.00

Expenditures of the Department of Agriculture for fiscal year ending June 30, 1904—Cont'd.

## BUREAU OF ANIMAL INDUSTRY, EXPENSES—Continued.

Date.	Name.	Nature of payment.	Total.
1903.			
Oct. 16	Wm. H. Saylor .....	Services .....	\$56.00
	W. P. Ellenberger .....	Expenses .....	3.38
	E. C. Schroeder .....	do. ....	7.00
	H. H. George .....	do. ....	18.78
	Fred J. Goebel .....	do. ....	5.55
	Hiram Jerome .....	do. ....	9.40
	H. A. Hedrick .....	do. ....	12.20
	Geo. C. Faville .....	do. ....	21.45
	Jno. R. Mohler .....	do. ....	3.00
	W. H. Rose .....	do. ....	19.70
	Ephraim Deitrich .....	do. ....	4.50
	Louis Abel .....	do. ....	5.00
	Harry N. Waller .....	do. ....	12.18
	B. P. Wende .....	do. ....	135.00
	Wm. C. Wootton .....	Traveling expenses .....	13.85
	Geo. M. Whittaker .....	do. ....	109.07
	Ed. H. Webster .....	do. ....	68.01
	Joseph M. Good .....	do. ....	94.96
	Wm. P. Ellenberger .....	do. ....	12.46
	Chas. Cowie .....	do. ....	17.65
	Geo. M. Rommel .....	do. ....	18.08
	R. W. Hickman .....	do. ....	4.25
	W. N. D. Bird .....	do. ....	15.75
	W. B. Lincoln .....	do. ....	13.90
	B. P. Wende .....	do. ....	5.10
	do. ....	Expenses .....	1.85
19	F. W. Ainsworth et al. ....	Salaries .....	328.61
	Wm. Thompson et al. ....	do. ....	768.33
	F. D. Ketchum et al. ....	do. ....	1,113.40
	Chas. Keane et al. ....	do. ....	530.00
	Don C. Ayer et al. ....	do. ....	3,786.83
	Geo. S. Baker et al. ....	do. ....	406.92
	F. L. DeWolf et al. ....	do. ....	254.40
	E. T. Davison et al. ....	do. ....	860.60
	J. C. Milnes et al. ....	do. ....	203.80
	Levi P. Beechy et al. ....	do. ....	536.71
	J. C. Blackwell et al. ....	do. ....	3,069.52
	Jas. S. Kelly et al. ....	do. ....	195.60
	Joshua Miller et al. ....	do. ....	254.40
	O. B. Hess et al. ....	do. ....	404.60
	Robt. Darling et al. ....	do. ....	195.60
	W. H. Gibbs et al. ....	do. ....	156.60
	Clarence Loveberry et al. ....	do. ....	502.61
	J. B. Clancy et al. ....	do. ....	4,024.78
	Dennie H. Udall .....	Services .....	13.04
	Katie A. Murphy .....	do. ....	16.30
	Jas. C. Exline .....	do. ....	43.04
	Dean G. Cooper .....	do. ....	114.20
	W. E. Hill .....	do. ....	97.80
	Caroline Burnaby .....	do. ....	40.00
	W. H. Wray .....	do. ....	375.00
	G. W. Ward .....	do. ....	114.20
	Tooe A. Geddes .....	do. ....	203.80
	Bessie M. Healy .....	do. ....	49.00
	Jas. Hewes .....	do. ....	90.00
	J. F. Ryder .....	do. ....	163.00
	Jno. A. Bell .....	do. ....	56.00
	Jas. W. Davis .....	do. ....	73.40
	Louis P. Cook .....	do. ....	30.43
	Jennie M. Shufeldt .....	do. ....	14.67
	E. L. Sturdevant .....	do. ....	33.26
	Geo. S. Hickox .....	do. ....	8.00
	L. K. Green .....	Expenses .....	10.29
	Clarence Loveberry .....	do. ....	23.50
	O. B. Hess .....	do. ....	10.25
	E. T. Davison .....	do. ....	3.00
	Clarence Loveberry .....	do. ....	11.23
	W. H. Wray .....	do. ....	54.11
	W. B. Niles .....	do. ....	59.20
	Jas. Hewes .....	do. ....	18.94
	Albert N. Irwin .....	Traveling expenses .....	33.10
	W. D. Collyer .....	do. ....	76.55
	Alex. A. Wight .....	do. ....	61.75
	W. L. Hiatt .....	do. ....	3.55
	Chas. Pearson .....	do. ....	13.50
	Chas. W. Pagle, Jr. ....	do. ....	2.25
	Geo. A. Bond .....	do. ....	70.50
	Warren J. Fretz .....	do. ....	85.80
	Benj. Howes .....	do. ....	6.70

Expenditures of the Department of Agriculture for fiscal year ending June 30, 1904—Cont'd.

BUREAU OF ANIMAL INDUSTRY, EXPENSES—Continued.

Date.	Name.	Nature of payment.	Total.
1903.			
Oct. 19	M. A. Farley, jr. ....	Traveling expenses .....	\$85.90
	J. F. Ryder .....	do. ....	30.00
	M. A. Lantz .....	do. ....	56.25
	O. B. Hess .....	do. ....	9.10
	W. H. Wray .....	do. ....	38.98
	Roy N. Drake .....	do. ....	54.25
	Russell G. Merrill .....	do. ....	2.00
	F. L. Russell .....	do. ....	24.10
	F. M. Perry .....	do. ....	5.70
	Geo. Jerome .....	do. ....	14.48
	Clarence J. Clawson .....	do. ....	45.20
	Laomer West .....	do. ....	35.65
	Arch. H. Wallace .....	do. ....	5.65
	Theo. S. Rich .....	do. ....	20.55
	Wm. M. Mackellar .....	do. ....	36.35
	Dan McCunningham .....	do. ....	59.15
	W. C. Hanan .....	do. ....	16.95
	Wm. F. Pflaeging .....	do. ....	62.25
	W. B. Niles .....	do. ....	7.23
	Ernest N. Hutchinson .....	do. ....	84.30
	Harry M. Ball .....	do. ....	6.10
	Geo. S. Baker .....	do. ....	7.00
	Jno. McBirney .....	do. ....	95.50
	Henry R. McNally .....	do. ....	35.75
	David R. Hodges .....	do. ....	106.00
	Western L. Johnson .....	do. ....	20.45
	Jno. F. Roe .....	do. ....	5.05
	Wm. F. Jones .....	do. ....	10.20
	A. J. Pistor .....	do. ....	20.95
	Lowell Clarke .....	do. ....	44.35
	Wm. D. Jordan .....	do. ....	88.45
	Jno. A. Stauffer .....	do. ....	8.05
	Peter I. Kershner .....	do. ....	11.80
	E. T. Davison .....	do. ....	52.32
	M. E. Knowles .....	do. ....	55.50
	Clarence Loveberry .....	do. ....	23.55
	Thos. A. Bray .....	do. ....	3.50
	Clarence A. Brown .....	do. ....	30.30
	Jno. A. Sloan .....	do. ....	6.00
	M. M. Welch .....	do. ....	2.50
	Geo. S. Hickox .....	do. ....	54.90
21	Eimer & Amend .....	Pyridine, etc. ....	15.20
	Saml. E. Bennett .....	Use horse and buggy .....	45.00
	F. L. Russell .....	Services .....	56.00
	Chas. Cowie .....	do. ....	128.00
	E. A. McDonald .....	do. ....	96.00
	Edw. P. Dowd .....	do. ....	1.00
	A. E. Behnke .....	Expenses .....	18.87
	Louis R. Baker .....	do. ....	32.74
	Saml. E. Bennett .....	do. ....	5.25
	Geo. W. Pope .....	do. ....	8.53
	Julius Huelsen .....	do. ....	7.80
	Chas. M. Day .....	do. ....	133.00
	Nathl. K. Fegley .....	do. ....	7.65
	do. ....	do. ....	15.00
	do. ....	do. ....	8.00
	N. C. Sorensen .....	do. ....	12.68
	Fredk. Braginton .....	do. ....	1.00
	Boyd Baldwin .....	do. ....	5.12
	Dean G. Cooper .....	do. ....	1.25
	T. A. Shipley .....	do. ....	9.86
	Joshua Miller .....	do. ....	6.81
	Jas. J. Brougham .....	do. ....	21.85
	O. F. Dyson .....	do. ....	22.29
	Chas. A. Schauffer .....	do. ....	36.47
	Jas. E. Ellis .....	Traveling expenses .....	45.45
	W. R. Fleming .....	do. ....	24.00
	H. A. Hedrick .....	do. ....	2.00
	W. J. Cass .....	do. ....	6.75
	Stephen G. Gillett .....	do. ....	24.70
	Geo. W. Pope .....	do. ....	9.16
	Geo. C. Moser .....	do. ....	11.20
	Willis G. Benner .....	do. ....	10.80
	Geo. H. Woolfolk .....	do. ....	5.60
	Saml. Sommerville, jr. ....	do. ....	4.95
	Geo. A. Henvey .....	do. ....	2.15
	Jno. A. Kiernan .....	do. ....	71.95
	Ernest J. Foreman .....	do. ....	47.95
	E. A. McDonald .....	do. ....	38.20



*Expenditures of the Department of Agriculture for fiscal year ending June 30, 1904—Cont'd.*

## BUREAU OF ANIMAL INDUSTRY, EXPENSES—Continued.

Date.	Name.	Nature of payment.	Total.
1903.			
Oct. 21	Chas. M. Day	Traveling expenses	\$34.00
	R. A. Ramsay	do	100.50
	A. J. Smith	do	124.75
	Albert R. Koen	do	5.70
	Walter E. Howe	do	20.00
	Joseph W. Parker	do	4.20
	B. F. Van Valkenburgh	do	10.52
	N. B. Smith	do	46.25
	Albert N. Irwin	do	75.50
	do	do	34.30
	Albert L. Pitney	do	7.20
	Albert Dean	do	20.25
	W. A. Bitner	do	16.25
	Jno. J. Hayes	do	52.75
	David C. Hanawalt	do	84.20
22	Herman R. Ryder	do	14.65
	Jno. C. Massie	do	86.50
	Louis A. Klein	do	31.50
	E. L. Volgenan	do	8.75
	A. D. Melvin	do	72.60
	Wilbur H. Hurst	do	34.50
	W. R. Dennis	do	101.00
	G. W. Ward	do	23.70
	Levi Wells	do	45.34
	Jno. Forbes	do	63.95
	W. H. Meadors	do	90.45
	A. A. Holcombe	do	49.62
	M. W. Lang	do	118.53
	F. O. Pettey	do	74.75
	Frank C. Eells	do	59.50
	W. H. Yingst	do	12.05
	Jno. L. Burgett	do	8.75
	W. F. Crewe	do	26.00
	W. S. Cass	Use horse and buggy	34.00
	The Kansas City Stock Yards Co.	Rent	45.00
	The Dispatch Printing Co.	Advertising	2.64
	E. J. Brooks & Co.	Seals, etc.	126.38
	Omaha Printing Co.	Bath	7.50
	H. T. Braddock	Mare	35.00
	Dunn & Lemmon	Advertising	1.80
	Maryland Telephone and Telegraph Co.	Service	12.00
	Oregon Statesman	Advertising	2.30
	The Real Estate Improvement Co.	Rent	56.25
	The Chesapeake and Potomac Telephone Co.	Service	12.00
	Silver Laundry and Towel Co.	do	8.05
	J. E. Blackwell	Horse hire	54.00
	Chas. Hubinger	Dynamite caps	8.03
	do	Gasoline	7.95
	Thos. A. Bray	Use saddle horse	75.00
	Robt. Darling	Use horse and buggy	25.00
	Chas. Keane	do	25.00
	New York and New Jersey Telephone Co.	Service	14.50
	Nebraska Telephone Co.	do	13.50
	Frontier Towel Supply	do	10.02
	N. Rufus Gill	Rent	31.25
	The Capital Journal Co.	Advertising	2.30
	Wehawken Stock Yard Co.	Telephone service	9.75
	Glynn & Smith	Services	10.75
	Geo. W. Butler	Use horse and buggy	30.00
	Iowa Telephone Co.	Service	12.00
	Belt R. R. and Stock Yard Co.	Rent	30.00
	Fowler Manufacturing Co.	Towel service	4.76
	E. T. Davison	Use horse and buggy	27.20
	Armstrong Laundry	Service	2.93
	Jas. W. Davis	Use horse and buggy	18.00
	Sioux City Stock Yards Co.	Rent	60.00
	Edison Electric Illuminating Co.	Electric lighting	1.04
	East Buffalo Live Stock Exchange Co.	Rent	90.00
	Bourbon Stock Yard Co.	do	30.00
	Jos. Hiatt	Pigs	54.25
	Fred Ashley	do	30.00
	The Morning Olympian	Advertising	1.10
	Grand Trunk Railway System	Rent	37.50
	Jas. J. Brougham	Use horse and buggy	40.00
	Combe Printing Co.	Repairing press	4.25
	do	Ink	4.40
	C. Deaderick	Rent	30.00
	Jas. Stikeman	do	125.00
	Missouri and Kansas Telephone Co.	Service	12.50

Expenditures of the Department of Agriculture for fiscal year ending June 30, 1904—Cont'd.

BUREAU OF ANIMAL INDUSTRY, EXPENSES—Continued.

Date.	Name.	Nature of payment.	Total.
1903.			
Oct. 22	Oklahoma State Capital.	Advertising	\$1.65
	Louis A. Klein	Saddle horse	75.00
	R. W. Burrell	Pipes, etc.	46.85
	South St. Joe Coal Co.	Ice	6.00
	Underwood Typewriter Co.	Repairing typewriter	4.50
	St. Joseph Stock Yards Co.	Rent	135.00
	Wm. D. Jordan	Use saddle horse	75.00
	New Telephone Co.	Service	20.00
	New England Telephone and Telegraph Co.	do	40.50
	do	do	12.50
	Emma Curran, administratrix	Rent	21.00
	J. C. Endicott	Water	3.90
	Kansas City Stock Yards Co.	Rent	66.00
	The J. A. Van Winkle Co.	Screws, etc.	5.20
	Mendenhall Transfer Co.	Transportation	4.05
	Sunset Telegraph and Telephone Co.	Service	10.50
	Cutler & Neilson Paint and Color Co.	Paint	9.70
	J. R. Stafford	Use horse and buggy	10.00
	Missouri and Kansas Telephone Co.	Service	24.00
	Emil Greiner	Stoppers, etc.	8.30
	Library Bureau	Cards	10.55
	The D. Henry Building Co.	Labor and material	7,563.14
	Queen & Co. (Incorporated)	Drugs	3.60
	do	Dishes, etc.	14.94
23	Edgar Firethunder	Mare	45.00
	United States Envelope Co.	Envelopes	57.00
	Francis Miller	Glass	1.68
	American Ice Co.	Ice	29.10
	A. Wilson & Bros.	Stone	67.41
	L. S. Depue	Corn, etc.	585.50
	The Cincinnati Union Stock Yards Co.	Rent	45.00
	Emma J. Adams et al.	do	120.00
	Jno. Post	Oats and bran	35.50
	W. A. Bitner	Services	58.80
	Albert Dean	Expenses	10.23
	C. L. Morin	Traveling expenses	8.65
	Louis Metsker	do	32.75
	Morris T. Hascall	do	28.25
	Horace H. Collins	do	49.50
	H. D. Mayne	do	8.25
	Henry E. Alvord	do	55.42
	Duncan Stuart	do	16.70
24	St. Louis National Stock Yards	Rent	50.00
	T. F. Rodgers, agent	do	52.50
	F. Auerbach & Bro.	do	30.00
	Gahn & Byrne	do	675.00
	Trustees of the Milk Street Trust	do	75.00
	Jno. S. Martin & Co.	do	126.00
	W. S. Goodhue	do	50.00
	Union Stock Yards and Transit Co.	do	375.00
	S. W. Burt	Use horse	22.50
	Rocky Mountain Bell Telephone Co.	Service	22.50
	W. S. Matson	Syringes, etc.	19.50
	R. G. Merrill	Use horse and buggy	25.00
	The Continental Creamery Co.	Butter	49.95
	W. G. Hemming & Son	Painting	25.00
	Jno. C. Lorenzen	Use horse and wagon	35.10
	American Linen Supply Co.	Service	3.00
	Aug. C. Jens	Use horse and buggy	25.00
	Olive M. Routzong	Service	3.00
	Albert E. Behnke	Use horse and buggy	35.00
	The Bell Telephone Co. of Philadelphia	Service	40.00
	H. A. Hedrick	Use horse and buggy	12.00
	A. P. Little	Mimeograph	2.25
	ulf Refining Co.	Oil	261.60
	W. I. Brooke	Repairs to hay cutter	5.60
	Quackenbush & Son	Forge, etc.	34.08
	Leonard Pearson	Service	300.00
	The New York and New Jersey Telephone Co.	do	18.15
	Don C. Ayer	Use horse	15.00
	A. B. Hargrave	Cheese	12.54
	J. S. Stott	Letterpress	9.15
	F. D. Ketchum	Use horse and buggy	25.00
	Miller Lock Co.	Locks	14.00
	W. E. Pratt	Hog rings	70.00
	S. M. Birch Lumber Co.	Lumber	19.24
	T. A. Carlson	Mare	15.00
	Jack Red Cloud	do	17.50
	The Consumers Co.	Ice	31.15

Expenditures of the Department of Agriculture for fiscal year ending June 30, 1904—Cont'd.

## BUREAU OF ANIMAL INDUSTRY, EXPENSES—Continued.

Date.	Name.	Nature of payment.	Total.
1903.			
Oct. 24	The Consumers Co. ....	Water. ....	\$1.50
	Chicago Towel Supply Co. ....	Service. ....	83.85
	Hiram W. Hawley. ....	Use horse and buggy. ....	32.00
	Stock Yard Hardware Paint Co. ....	Paper, etc. ....	11.41
	Chicago Telephone Co. ....	Service. ....	43.75
	O. E. Dyson. ....	Use saddle horse. ....	25.00
	Jno. Underwood & Co. ....	Carbon paper. ....	9.40
	A. G. G. Richardson. ....	Expenses. ....	13.64
	H. M. Rowe. ....	do. ....	9.00
	The Republican Publishing Co. ....	Advertising. ....	2.20
	Independent Publishing Co. ....	do. ....	2.04
	Gommel Statesman Publishing Co. ....	do. ....	5.50
	New Mexican Printing Co. ....	do. ....	2.00
	Salt Lake Tribune. ....	do. ....	2.42
	Frank P. Mac Lellan. ....	do. ....	1.05
	Register and Leader Co. ....	do. ....	1.34
	Levi J. Allen. ....	Traveling expenses. ....	65.65
	S. W. McClure. ....	do. ....	67.10
	F. W. Hopkins. ....	do. ....	50.95
	Thos. White. ....	do. ....	14.50
	Geo. E. Totten. ....	do. ....	26.00
	Geo. D. Painter. ....	do. ....	21.23
	Frank W. Brewer. ....	do. ....	62.20
	Geo. P. McCabe. ....	do. ....	3.60
	Clayton E. Moss. ....	do. ....	148.50
26	Thos. D. Anderson. ....	Services. ....	37.17
27	H. M. Rowe. ....	Traveling expenses. ....	90.25
	W. W. Worcester. ....	do. ....	60.00
	Robt. H. Treacy. ....	do. ....	55.90
	Clinton H. Bugbee. ....	do. ....	107.25
	Wm. Proudfoot. ....	do. ....	64.75
	D. F. Parker. ....	do. ....	52.10
	Harry S. Newlove. ....	do. ....	6.90
	Ed. C. Joss. ....	do. ....	1.50
	M. M. Welch. ....	do. ....	4.00
	Jos. M. Good. ....	do. ....	100.84
	Jno. Callahan. ....	Services. ....	37.50
	Harry F. Hume. ....	do. ....	58.80
28	The Chesapeake and Potomac Telephone Co. ....	Service. ....	103.31
	Henry Heil Chemical Co. ....	Peptone, etc. ....	7.50
	Mackall Bros. ....	Vials. ....	167.76
	National Mortar Co. ....	Cement. ....	52.50
31	S. E. Bennett. ....	Use horse and buggy. ....	29.00
	do. ....	do. ....	5.80
	Southern Railway Co. ....	Passenger transportation. ....	6.66
	do. ....	do. ....	19.15
	Burlington and Missouri River Railroad. ....	do. ....	80.00
	Louisville and Nashville Railroad Co. ....	do. ....	15.75
	Chicago and Alton Railway Co. ....	do. ....	7.50
	Northern Pacific Railway Co. ....	do. ....	13.95
	Chicago and Northwestern Railway Co. ....	do. ....	40.50
	Chicago, Milwaukee and St. Paul Railway Co. ....	do. ....	6.11
	Baltimore and Ohio Railroad Co. ....	do. ....	17.00
	Southern Railway Co. ....	do. ....	29.56
	Union Pacific Railroad Co. ....	do. ....	18.00
	do. ....	do. ....	16.90
	Pennsylvania Railroad Co. ....	do. ....	6.50
	Grand Trunk Railway. ....	do. ....	3.40
	Chicago, Milwaukee and St. Paul Railway Co. ....	do. ....	14.11
	Michigan Central Railroad Co. ....	do. ....	5.00
	Nashville, Chattanooga and St. Louis Railway Co. ....	do. ....	7.40
	Marion Dorsett et al. ....	Salaries. ....	5,788.31
Nov. 2	Mary Lynch. ....	Services. ....	25.00
	The Bay State Clean Towel Co. ....	Service. ....	3.75
3	W. R. Dennis. ....	Traveling expenses. ....	76.00
	H. J. Hammond. ....	do. ....	52.50
	W. H. Saylor. ....	do. ....	37.50
	Henry E. Alvord. ....	Expenses. ....	8.25
	Fredk. W. Ainsworth. ....	do. ....	31.00
	do. ....	do. ....	10.30
4	Geo. J. Martin. ....	Pigs. ....	160.00
	Lutz & Co. ....	Harness. ....	80.00
	A. A. Timson. ....	Pigs. ....	154.80
	Levi Wells. ....	Services. ....	151.60
	M. W. Lang. ....	do. ....	151.60
	B. F. Van Valkenburgh. ....	do. ....	151.60
	W. D. Collyer. ....	do. ....	151.60
	Geo. M. Whitaker. ....	do. ....	126.40



Expenditures of the Department of Agriculture for fiscal year ending June 30, 1904—Cont'd

BUREAU OF ANIMAL INDUSTRY, EXPENSES—Continued.

Date.	Name.	Nature of payment.	Total.
1903.			
Nov. 4	Ed. H. Webster	Services	\$168.50
	F. M. Perry	Traveling expenses	11.85
	Saml. E. Bennett	do	16.11
	Wm. C. Siegmund	do	2.45
	Henry Roome	do	2.25
	Geo. M. Rommel	do	59.30
5	Geo. F. Thompson	do	16.65
	do	do	55.25
	Wm. H. Meadors	Services	117.90
	F. W. Hopkins	do	126.40
	Wm. L. Hiatt	do	101.10
	D. Cumming	do	95.00
	Jas. Hewes	do	90.00
	Leslie J. Allen	do	126.40
	Wm. M. MacKellar	do	117.90
	Louis A. Klein	do	117.90
	W. D. Jordan	do	101.10
	Jno. A. Stauffer	do	101.10
	Jno. L. Burgett	do	101.10
	Frank W. Brewer	do	117.90
	H. B. Adair	do	126.40
	Chas. Pearson	do	101.10
	A. N. Irwin	do	117.90
	Geo. W. Browning	do	117.90
	Jos. M. Good	do	117.90
	W. B. Lincoln	do	117.90
	Walter H. Yingst	do	101.10
	Jos. M. Turner	do	75.80
6	F. M. Perry	do	117.90
	U. G. Houck	do	151.60
	Granville H. Parks	do	134.80
7	J. Otis Jacobs	Traveling expenses	99.25
	do	do	100.55
	Isaac W. O'Rourke	do	80.25
	E. H. Hutchinson	do	40.60
	W. C. Honan	do	17.95
	M. G. Copeland Co.	Flag	3.41
	Harvard Laundry Co.	Towel service	6.39
	Remington Typewriter Co.	Typewriter	90.00
	do	Copy holder	4.50
	Underwood Typewriter Co.	Repairing typewriter	7.50
	Jas. K. Probev	Wagon pole	9.00
	F. P. May & Co.	Traps	1.69
	Dulin & Martin Co.	Boiler	3.61
	Chas. A. Schauffer et al.	Salaries	1,161.27
	Geo. C. Faville et al.	do	294.80
	Geo. W. Pope et al.	do	985.92
	Robert Darling et al.	do	202.20
	M. O. Anderson et al.	do	187.00
	L. K. Green et al.	do	320.10
	W. H. Gibbs et al.	do	161.70
	Trojan A. Shipley et al.	do	338.60
	Joshua Miller et al.	do	380.70
	Levy P. Beehey et al.	do	546.70
	C. H. Zink et al.	do	449.70
	J. J. Brougham et al.	do	1,628.80
	F. W. Amsworth et al.	do	395.25
	Harrison H. George et al.	do	781.60
	Henry Roome et al.	do	747.73
	A. E. Behnke et al.	do	1,290.40
	B. P. Wende et al.	do	1,931.49
	Edw. P. Dowd et al.	do	187.00
	Fredk. Bragington et al.	do	187.00
	Jas. S. Kelly et al.	do	202.20
	W. J. Murphy et al.	do	202.20
	Julius Huelsen et al.	do	695.70
	F. L. De Wolf et al.	do	262.80
	Nathan K. Pegley et al.	do	262.80
	Geo. Ditewig et al.	do	278.00
	W. P. Ellenberger et al.	do	188.70
	F. W. Huntington et al.	do	155.10
	R. J. Blanche et al.	do	187.00
	Boyd Baldwin et al.	do	622.29
	H. A. Hedrick et al.	do	478.30
	W. B. Niles et al.	do	533.70
	Albert Dean et al.	do	793.40
	E. P. Schaffter et al.	do	734.44
	Wesley N. Neil et al.	do	694.00
	Geo. S. Hickox et al.	do	867.60

Expenditures of the Department of Agriculture for fiscal year ending June 30, 1904—Cont'd.

## BUREAU OF ANIMAL INDUSTRY, EXPENSES—Continued.

Date.	Name.	Nature of payment.	Total.
1903.			
Nov. 7	Lewis R. Baker et al. ....	Salaries .....	\$1,142.00
	W. H. Rose et al. ....	do .....	1,188.45
	Henry P. Armsby et al. ....	do .....	190.00
	J. Otis Jacobs .....	Services .....	117.90
	W. F. Crewe .....	do .....	101.10
	Geo. A. Bond .....	do .....	117.90
	Frank Parker .....	do .....	101.10
	Isaac W. O'Rourke .....	do .....	117.90
	Thos. White .....	do .....	117.90
	R. H. Treacy .....	do .....	117.90
	H. L. Townsend .....	do .....	117.90
	Geo. W. Ward .....	do .....	117.90
	F. P. Herron .....	do .....	60.60
	H. D. Mayne .....	do .....	101.10
	Jas. E. Ellis .....	do .....	101.10
	Frank C. Eells .....	do .....	117.90
	Roy N. Drake .....	do .....	117.90
	A. J. Pistor .....	do .....	117.90
	Russell G. Merrill .....	do .....	75.80
	Wm. Phlaeging .....	do .....	84.20
	F. O. Petty .....	do .....	84.20
	Jno. McBirney .....	do .....	134.80
	Thos. J. Lowry .....	do .....	84.20
	M. S. Lantz .....	do .....	117.90
	Wm. F. Jones .....	do .....	101.10
	Geo. E. Totten .....	do .....	117.90
	Theo. S. Rich .....	do .....	101.10
	Loamer West .....	do .....	101.10
	Jas. W. Parker .....	do .....	117.90
	Chas. A. McCall .....	do .....	117.90
	Louis Metsker .....	do .....	117.90
	F. I. Kershner .....	do .....	126.40
	E. J. Foreman .....	do .....	117.90
	Clarence A. Clawson .....	do .....	117.90
	Dan McCunningham .....	do .....	101.10
	Geo. Jerome .....	do .....	101.10
	Western L. Johnson .....	do .....	117.90
	Jno. Forbes .....	do .....	134.80
	Jno. A. Sloan .....	do .....	117.90
	Thos. A. Bray .....	do .....	126.40
	Jas. W. Davis .....	do .....	75.80
	Clayton E. Moss .....	do .....	84.20
	Dean G. Cooper .....	do .....	117.90
	Jno. C. Massie .....	do .....	84.20
	Geo. W. Butler .....	do .....	117.90
	Wm. Proudfoot .....	do .....	84.20
	A. A. Holcombe .....	do .....	126.40
	F. W. Bicknell .....	do .....	250.00
	Wm. H. Wade .....	do .....	75.80
	C. L. Morin .....	do .....	101.10
	H. T. Potter .....	do .....	25.00
	Chas. Cowie .....	do .....	96.00
	Alex. E. Wight .....	do .....	117.90
	W. W. Worcester .....	do .....	117.90
	A. J. Smith .....	do .....	84.20
	Jay Merrill .....	do .....	84.20
	Henry R. McNally .....	do .....	101.10
	S. W. McClure .....	do .....	101.10
	Morris T. Hascall .....	do .....	84.20
	Jno. A. Kiernan .....	do .....	126.40
	Jno. A. Bell .....	do .....	24.00
	W. J. Kennedy .....	do .....	100.00
	Jas. Irwin .....	do .....	84.20
	Isaiah Richards .....	do .....	84.20
	R. A. Ramsay .....	do .....	117.90
	W. H. Hurst .....	do .....	101.10
	Walter C. Howe .....	do .....	117.90
	David R. Hodges .....	do .....	84.20
	W. R. Fleming .....	do .....	117.90
	Jno. J. Hayes .....	do .....	117.90
	H. J. Hammond .....	do .....	117.90
	Chas. W. Deming .....	do .....	101.10
	Clinton H. Bugbee .....	do .....	117.90
	W. S. Cass .....	do .....	117.90
	H. H. Collins .....	do .....	117.90
10	A. R. Burch .....	Traveling expenses .....	147.32
	R. W. Hickman .....	do .....	166.05
13	J. E. Blackwell et al. ....	Salaries .....	3,401.42
	W. H. Saylor .....	Services .....	72.00

Expenditures of the Department of Agriculture for fiscal year ending June 30, 1904—Cont'd.

BUREAU OF ANIMAL INDUSTRY, EXPENSES—Continued.

Date.	Name.	Nature of payment.	Total.
1903			
Nov. 13	Ed. H. Webster.	Traveling expenses	\$107.31
	Thos. R. Riley	Lumber	17.50
	Old Dominion Paper Co.	Memorandum books	8.64
	J. Geo. Smith	Pencils	9.00
14	Barber & Ross	Tacks	3.25
	Robt. Darling	Use horse and buggy	25.00
16	Chas. M. Day	Expenses	194.75
	Geo. S. Hickox	do.	10.35
	W. J. Muldoun	Services	101.10
	J. F. Ryder	do.	168.50
	Nathaniel B. Smith	do.	117.90
	Isaiah Richards	Traveling expenses	100.35
	W. W. Worcester	do.	71.50
	R. A. Ramsay	do.	88.00
	M. S. Lantz	do.	69.00
	A. J. Pistor	do.	13.90
	Clayton E. Moss	do.	153.25
	F. L. Russell	do.	45.88
	E. T. Davison	do.	24.15
	Walter E. Howe	do.	61.45
	Jno. R. Mohler	do.	367.33
	Jno. McBirney	do.	117.00
	Geo. A. Bond	do.	51.50
	W. S. Cass	do.	20.75
	S. W. McClure	do.	90.90
17	E. A. de Schweinitz	Expenses	9.99
	Jno. R. Mohler	do.	3.00
	Wm. E. Smith	Services	90.00
	Geo. T. Hanton	do.	22.01
	W. E. Hill	do.	101.10
	C. E. Gray	do.	75.00
	Helen E. O'Brien	do.	4.89
	Caroline Burnaby	do.	40.00
	F. L. Russell	do.	80.00
	W. H. Wray	do.	357.50
	Toole A. Geddes	do.	210.60
	Jno. Callahan	do.	40.50
	Harry F. Hume	do.	60.60
	Henry E. Pieper	do.	19.57
	W. A. Savage	do.	44.84
	Wm. E. Smith	do.	6.15
	Wm. D. Collyer	Traveling expenses	100.11
	Thos. Redmond	do.	74.00
	Warren J. Fretz	do.	81.20
	M. W. Lang	do.	46.57
	David C. Hanawalt	do.	85.20
	Jno. J. Hayes	do.	97.50
	W. F. Crewe	do.	77.75
	Levi Wells	do.	93.06
	W. H. Meadors	do.	87.55
	A. D. Melvin	do.	101.05
	Isaiah Richards	do.	107.60
	F. O. Petty	do.	100.50
	Henry R. McNally	do.	51.00
	Geo. D. Painter	do.	91.25
	A. G. G. Richardson et al.	Salaries	8,183.20
	Don C. Ayer et al.	do.	4,052.81
	Jas. Johnston et al.	do.	2,389.76
	H. N. Waller et al.	do.	2,938.18
	O. E. Dyson et al.	do.	9,599.42
	Clarence Loveberry et al.	do.	510.80
	Geo. S. Baker et al.	do.	422.40
	Niels C. Sorensen et al.	do.	2,165.18
	A. B. Morse et al.	do.	187.00
	W. J. Stewart et al.	do.	3,431.45
	O. B. Hess et al.	do.	417.70
	F. D. Ketchum et al.	do.	1,163.90
	Jas. Fleming et al.	do.	1,030.40
	J. C. Milnes et al.	do.	210.60
	Virgil L. Brown et al.	do.	2,692.05
	Chas. Keane et al.	do.	547.50
	Harry D. Paxson et al.	do.	1,246.98
	J. B. Claney et al.	do.	4,328.74
18	Willis B. Lincoln	Traveling expenses	49.24
	Wm. J. Muldoun	do.	46.60
	Louis A. Klein	do.	47.20
	Chas. M. Day	do.	33.90
	Theo. S. Rich	do.	32.85
	A. A. Holcombe	do.	55.69



Expenditures of the Department of Agriculture for fiscal year ending June 30, 1904—Cont'd.

## BUREAU OF ANIMAL INDUSTRY, EXPENSES—Continued.

Date.	Name.	Nature of payment.	Total.
1903.			
Nov. 18	W. B. Niles.....	Traveling expenses.....	\$17.42
	Clarence Loveberry.....	do.....	50.44
	M. T. Hascall.....	do.....	46.00
	Wm. F. Jones.....	do.....	9.75
	Alex. E. Wight.....	do.....	42.55
	Jas. E. Ellis.....	do.....	41.00
	Stephen D. Gillett.....	do.....	4.90
	A. R. Wake.....	do.....	38.75
	G. W. Ward.....	do.....	41.00
	Allen A. Holcombe.....	Expenses.....	1.50
	Chas. M. Day.....	do.....	13.00
	Clarence Loveberry.....	do.....	15.75
	W. B. Niles.....	do.....	17.00
	Julius Huelsen.....	do.....	7.50
	E. T. Davison.....	do.....	4.42
	A. G. G. Richardson.....	do.....	4.75
	Eimer & Amend.....	Alum, etc.....	23.49
	.....do.....	Compens ocular, etc.....	208.44
	Geo. W. Humbert.....	Services.....	40.00
	Warren J. Fretz et al.....	Salaries.....	670.40
19	Geo. S. Hickox.....	Traveling expenses.....	22.56
	Thos. Redmond.....	do.....	119.45
	Chas. Pearson.....	do.....	24.90
	Geo. S. Baker.....	do.....	7.00
	Wilber H. Hurst.....	do.....	37.25
	Wm. F. Pflaeging.....	do.....	51.85
	W. R. Fleming.....	do.....	24.25
	Frank C. Eells.....	do.....	85.20
	Roy N. Drake.....	do.....	106.25
	Clinton H. Bugbee.....	do.....	116.75
	J. Wm. Fink.....	do.....	11.65
	Jas. Hewes.....	do.....	17.90
	H. T. Potter.....	do.....	6.00
	Jno. A. Bell.....	do.....	23.34
	E. L. Volgenan.....	do.....	16.58
	Chas. Cowie.....	do.....	6.25
	C. L. Morin.....	do.....	10.65
	N. L. Townsend.....	do.....	12.00
	Toole A. Geddes.....	do.....	69.17
	Geo. C. Moser.....	do.....	5.15
	H. D. Mayne.....	do.....	3.25
	Chas. W. Deming.....	do.....	15.50
	Geo. W. Pope.....	do.....	6.97
	W. H. Wray.....	do.....	4.01
	Wm. C. Sigmund.....	do.....	6.40
	J. F. Ryder.....	do.....	30.00
	U. G. Hotack.....	do.....	85.73
	B. F. Van Valkenburg.....	do.....	13.00
	Wm. D. Jordan.....	do.....	55.75
	Adolph Eichhorn.....	do.....	14.10
	Thos. A. Bray.....	do.....	14.85
	Jas. H. Copeland.....	do.....	14.70
	H. H. George.....	Expenses.....	4.97
	Boyd Baldwin.....	do.....	5.62
	Toole A. Geddes.....	do.....	7.39
	Geo. W. Pope.....	do.....	1.65
	W. H. Wray.....	do.....	3.69
	.....do.....	do.....	18.48
	F. L. De Wolf.....	do.....	.66
	E. C. Schroeder.....	do.....	7.73
	W. H. Rose.....	do.....	15.15
	Geo. E. Howard.....	Labels.....	382.75
	.....do.....	do.....	3,250.00
	Leidy S. Depue.....	Meal and bran.....	225.00
	Chas. W. Deming.....	Traveling expenses.....	14.90
	Frank W. Brewer.....	do.....	46.80
	A. N. Irwin.....	do.....	78.00
	C. A. Clawson.....	do.....	44.75
	Jno. Forbes.....	do.....	30.00
	Jno. L. Burgett.....	do.....	17.18
	Robt. H. Treacy.....	do.....	56.00
	C. A. McCall.....	do.....	61.00
	Peter I. Kershner.....	do.....	8.10
	E. J. Foreman.....	do.....	17.60
	David R. Hodges.....	do.....	59.75
	F. Parker.....	do.....	95.30
	N. B. Smith.....	do.....	84.50
	Wm. M. MacKellar.....	do.....	25.65
	Laomer West.....	do.....	32.25

Expenditures of the Department of Agriculture for fiscal year ending June 30, 1904—Cont'd.

BUREAU OF ANIMAL INDUSTRY, EXPENSES—Continued.

Date.	Name.	Nature of payment.	Total.
1903.			
Nov. 19	Arch. H. Wallace.....	Traveling expenses.....	\$25.05
	Dan McCunningham.....	do.....	54.05
	J. B. Clancy.....	Expenses.....	8.00
	do.....	do.....	8.00
	do.....	do.....	11.50
	Geo. W. Humbert.....	Services.....	8.00
	E. A. McDonald.....	do.....	80.00
	St. Louis National Stock Yards	Lanterns.....	1.20
	Rock & Co.....	Transportation.....	5.50
	Republican Publication Co.....	Advertising.....	2.00
	The Boston Ice Co.....	Ice.....	3.60
	American Stave and Cooperage Co.....	Tank.....	118.50
21	Washington Gas Light Co.....	Gas.....	38.80
	Rudolph, West & Co.....	Tags, etc.....	42.19
	American Ice Co.....	Ice.....	24.06
	Z. D. Gilman.....	Tubing.....	30.00
	The Chesapeake and Potomac Telephone Co.	Service.....	60
23	Shannon & Axtell.....	Wheat shorts.....	10.00
	Wm. P. Cherrington.....	Services.....	5.00
	Joseph Hiatt.....	Pigs.....	24.00
	A. K. Wightman.....	Shotguns.....	24.00
	T. E. James.....	Pigs.....	52.00
	A. McDaniel.....	do.....	48.00
	Geo. W. Butler.....	Use horse and buggy.....	30.00
	F. D. Ketchum.....	do.....	25.00
	Russell G. Merrill.....	do.....	25.00
	Aug. C. Jens.....	do.....	25.00
	Jos. J. Brougham.....	do.....	40.00
	R. J. O'Brien Bros. Co.....	Oats and bran.....	35.50
	Alex. St. John.....	Repairing stoves.....	48.00
	Chas. Keane.....	Use horse and buggy.....	25.00
	The Dairymen's Supply Co.....	Beimling apparatus.....	20.00
	New England Telephone and Telegraph Co.	Service.....	12.00
	F. Auerbach & Bro.....	Rent.....	30.00
	Trustees of the Milk St. Trust.....	do.....	75.00
	W. S. Goodhue.....	do.....	50.00
	The Continental Creamery Co.....	Export butter.....	780.88
	S. M. Birch.....	Pipe.....	7.66
	Rockwell-Wabash Co.....	Desk.....	30.00
	Ben. Roberts.....	Mare.....	25.00
	F. J. Lamb.....	Corn.....	40.45
	Frank C. Heffner.....	Hogs.....	40.00
	S. W. Burt.....	Use saddle horse.....	25.00
	O. E. Dyson.....	do.....	25.00
	Don C. Ayer.....	Use horse.....	15.00
	W. S. Cass.....	do.....	34.00
	E. T. Davison.....	do.....	41.80
	Jas. W. Davis.....	do.....	18.00
	Albert E. Behnke.....	do.....	35.00
	Good Chyenuue.....	Mare.....	20.00
	Red Feather.....	do.....	20.00
	Edison Electric Illuminating Co.....	Electric light.....	1.78
	Herbert J. Harwood.....	Rent.....	65.86
	The Okonite Co. (Limited).....	Wire.....	6.30
	Queen & Co. (Incorporated).....	Ammonia, etc.....	7.48
	do.....	Cylinder Berkefeld.....	24.00
	do.....	Tubes.....	9.00
	Library Bureau.....	Cards.....	16.90
	Morris Miller.....	Painting.....	35.00
	New York Telephone Co.....	Service.....	33.85
	do.....	do.....	24.47
	J. C. Lorenzen.....	Use horse and wagon.....	36.45
	Hiram W. Hawley.....	do.....	32.00
24	Western L. Johnson.....	Traveling expenses.....	63.55
25	E. T. Davison.....	Services.....	126.40
	J. B. Clancy.....	Expenses.....	3.00
	Thos. White.....	Traveling expenses.....	47.00
	G. A. Bond.....	do.....	79.50
27	Horace H. Collins.....	do.....	88.20
	Jno. A. Kiernan.....	do.....	31.00
30	Hugh M. Rowe.....	do.....	60.50
	Wm. Proudfoot.....	do.....	75.00
	S. E. Bennett.....	do.....	22.20
	do.....	do.....	11.95
	Marion Dorsett et al.....	Salaries.....	5,674.80
Dec. 1	Wm. Lochte.....	Shoeing horses.....	13.50
	Remington Typewriter Co.....	Paper.....	10.70
	Geo. F. Muth & Co.....	Ink, etc.....	12.28
	District of Columbia Paper Manufacturing Co	Paper.....	59.40

Expenditures of the Department of Agriculture for fiscal year ending June 30, 1904—Cont'd.

## BUREAU OF ANIMAL INDUSTRY, EXPENSES—Continued.

Date.	Name.	Nature of payment.	Total.
1903.			
Dec. 1	W. B. Moses & Sons	Chair	\$20.20
	Capital Traction Co.	Fare tickets	10.00
	E. G. Schafer & Co.	Bushings, etc.	8.11
	Edw. S. Schmid	Pigeons	.40
	do	Mice	1.50
	Woodward & Lothrop	Thread	1.86
	do	Stand	5.00
	do	Screen	33.50
	E. Morrison Paper Co.	Paste	2.50
	Thos. Somerville & Sons	Pipe	168.63
	Jas. B. Lambie Co.	Screw-driver	.37
	Wm. H. Rupp & Co.	Ink, etc.	14.30
2	Chicago Car Seal and Manufacturing Co.	Tags	88.25
	Wm. Kraft	Covers	8.50
	Leidy S. Depue	Oats	45.00
	do	Oats and meal	495.00
	C. H. Hanson	Type, etc.	2.22
	A. F. Little	Blotters, etc.	6.00
	Walter Young	Mare	25.00
	J. R. Stafford	Use of wagon and horse	10.00
	Her Plenty Horse	Mare	10.00
	Wm. Bird Head	do	30.00
	Transit House Stores	Coal	9.00
	Jno. Teln	Labor and materials	3.75
	Jas. Fitzsimmons	Chair	7.00
	The Draper Manufacturing Co.	Thermometers	120.00
	Jno. S. Martin & Co.	Cheese	737.10
	L. R. De Freese	Corn	37.80
	Underwood Typewriter Co.	Cleaning typewriter	2.50
	Miller Lock Co.	Locks	14.00
	Chadwick Copying Book Co.	Books	46.00
	Wolf Bros	do	3.80
	Remington Typewriter Co.	Cleaning typewriter	16.50
	The C. J. McCubbin Co.	Valves	16.00
	R. Carter Ballantyne	Inkstands, etc.	36.57
	F. P. Shea	Cattle	75.00
	D. Frank Parker	Paper, etc.	78.24
	Bausch & Lomb Optical Co.	Slides, etc.	40.05
	Chicago Car Seal and Manufacturing Co.	Tags	14.50
3	Albert Dean et al.	Salaries	776.20
	Geo. W. Pope et al.	do	869.04
	H. A. Hedrick et al.	do	463.40
	Julius Huelsen et al.	do	673.60
	W. H. Rose et al.	do	1,158.60
	R. J. O'Brien & Bros. Co.	Oats, etc.	38.30
	Geo. W. Millar & Co.	Paper	25.00
	Harry Richardson	Mare	20.00
	Mallinckrodt Chemical Works	Bromid, etc.	1.55
	St. Louis National Stock Yards Co.	Office rent	50.00
	Tahlequah Arrow	Advertising	1.20
4	Edward K. Ward	Traveling expenses	4.55
	Herbert Caldwell	do	4.95
	Geo. Detewig	do	5.85
	C. L. Morin	do	7.35
	F. L. Simpson	do	10.50
	Jas. Hewes	do	18.62
	Jos. M. Good	do	48.57
	Lowell Clarke	do	42.45
	Rice P. Steddum	do	3.20
	Wm. T. Sparhawk	do	2.00
	F. H. Huntington et al.	Salaries	145.80
	Geo. Ditewig et al.	do	1,169.60
	Albert E. Behnke et al.	do	1,246.72
	Harry N. Waller et al.	do	3,041.29
	Boyd Baldwin	Expenses	4.52
	G. A. Parks	Services	130.40
	Geo. M. Whitaker	do	122.20
	Levi Wells	do	146.80
	B. F. Van Valkenburgh	do	146.80
	Ed. H. Webster	do	163.00
	W. D. Collyer	do	146.80
	M. W. Lang	do	146.80
	U. G. Houck	do	146.80
	Jas. Hewes	do	90.00
	Wm. H. Wade	do	73.40
	Harry F. Hume	do	58.80
	Jno. T. Deadman	do	54.00
	Jno. Callahan	do	36.00
	Leslie J. Allen	do	122.20



*Expenditures of the Department of Agriculture for fiscal year ending June 30, 1904—Cont'd.*

BUREAU OF ANIMAL INDUSTRY, EXPENSES—Continued.

Date.	Name.	Nature of payment.	Total.
1903.			\$
Dec. 4	H. B. Adair.....	Services.....	\$122.20
	Thos. A. Bray.....	do.....	122.20
	Peter I. Kershner.....	do.....	122.20
	Jno. Forbes.....	do.....	130.40
	W. J. Kennedy.....	do.....	100.00
	D. Cumming.....	do.....	105.00
	A. A. Holcombe.....	do.....	122.20
	C. L. Morin.....	do.....	97.80
	H. D. Mayne.....	do.....	97.80
	Chas. Pearson.....	do.....	97.80
	Laomer West.....	do.....	97.80
	Geo. Jerome.....	do.....	97.80
	Dan McCunningham.....	do.....	97.80
	Jno. L. Burgett.....	do.....	97.80
	Marion Imes.....	do.....	97.80
	Wm. L. Hiatt.....	do.....	97.80
	Wm. D. Jordan.....	do.....	97.80
	Stephen L. Blount.....	do.....	97.80
	C. A. Clawson.....	do.....	114.20
	E. J. Forseman.....	do.....	114.20
	Chas. A. McCall.....	do.....	114.20
	Jos. W. Parker.....	do.....	114.20
	Theo. S. Rich.....	do.....	114.20
	Geo. E. Totten.....	do.....	114.20
	Geo. W. Browning.....	do.....	114.20
	Frank W. Brewer.....	do.....	114.20
	Arch. H. Wallace.....	do.....	114.20
	A. N. Irwin.....	do.....	114.20
	W. L. Johnson.....	do.....	114.20
	Lewis Metsker.....	do.....	114.20
	Louis A. Klein.....	do.....	114.20
	Jno. A. Sloan.....	do.....	114.20
	Wm. M. MacKellar.....	do.....	114.20
5	Geo. E. Howard.....	do.....	3,250.00
	F. W. Bicknell.....	do.....	250.00
	Saml. E. Bennett et al.	Salaries.....	7,913.46
	Walter J. Stewart et al.	do.....	3,227.86
7	Fredk. Bragington et al.	do.....	181.00
	Edwd. P. Dowd et al.	do.....	181.00
	R. J. Blanche et al.	do.....	181.00
	Nathan K. Fegley et al.	do.....	254.40
	F. L. De Wolf et al.	do.....	254.40
	L. K. Green et al.	do.....	309.80
	Trajan J. Shipley et al.	do.....	327.80
	Edw. O. Speake et al.	do.....	340.81
	Joshua Miller et al.	do.....	368.60
	Robt. L. Kelly et al.	do.....	383.20
	O. E. Dyson et al.	do.....	9,129.89
	C. A. Schaulfer et al.	do.....	1,120.60
	Boyd Baldwin et al.	do.....	773.20
	Virgil L. Brown et al.	do.....	2,758.50
	Wesley N. Neil et al.	do.....	769.80
	J. J. Brougham et al.	do.....	1,577.40
	Bernhard P. Wende et al.	do.....	1,983.16
	J. B. Clancy et al.	do.....	3,513.14
	Lewis R. Baker et al.	do.....	3,486.45
	R. P. Steddum et al.	do.....	3,156.51
	Jas. Fleming et al.	do.....	806.00
	A. G. G. Richardson et al.	do.....	345.60
	Geo. C. Faville et al.	do.....	285.40
	Geo. P. McCabe et al.	Traveling expenses.....	73.20
	G. H. Parks.....	do.....	10.20
	J. B. Clancy.....	Expenses.....	.50
8	F. W. Hopkins.....	Services.....	122.20
	Jos. M. Good.....	do.....	114.20
	David C. Hanawalt.....	do.....	114.20
	Willis B. Lincoln.....	do.....	114.20
	Willis H. Meadors.....	do.....	114.20
	G. W. Ward.....	do.....	114.20
	Walter H. Yingst.....	do.....	97.80
	Jos. M. Turner.....	do.....	73.40
	F. P. Herron.....	do.....	58.80
	H. T. Potter.....	do.....	17.00
	Billa D. Way.....	do.....	13.04
	Tessie C. Havey.....	do.....	9.75
	Edw. P. Schaffter et al.	Salaries.....	710.20
	W. B. Niles et al.	do.....	445.60
	H. P. Armsby et al.	do.....	185.00
	Geo. E. Howard.....	Stamps.....	734.65

Expenditures of the Department of Agriculture for fiscal year ending June 30, 1904—Cont'd.

## BUREAU OF ANIMAL INDUSTRY, EXPENSES—Continued.

Date.	Name.	Nature of payment.	Total.
1903.			
Dec. 8	The David Henry Building Co. ....	Labor and material. ....	\$9,403.72
9	Harry D. Paxson et al. ....	Salaries. ....	1,310.19
	F. D. Ketchum et al. ....	do. ....	1,127.20
	Geo. A. Johnson et al. ....	do. ....	818.80
	H. H. George et al. ....	do. ....	727.38
	Levi P. Beechey et al. ....	do. ....	683.96
	Jas. S. Kelly et al. ....	do. ....	254.40
	J. C. Milnes et al. ....	do. ....	203.80
	W. J. Murphy et al. ....	do. ....	195.60
	Arthur B. Morse et al. ....	do. ....	181.00
	M. O. Anderson et al. ....	do. ....	181.00
	W. H. Gibbs et al. ....	do. ....	156.60
	Don C. Ayer et al. ....	do. ....	3,916.50
	Jacob S. Berner. ....	Services. ....	13.04
	Russell G. Merrill. ....	do. ....	73.40
	Isaiah Richards. ....	do. ....	81.60
	Jas. W. Davis. ....	do. ....	73.40
	Emerson J. Cary. ....	do. ....	114.20
	H. H. Collins. ....	do. ....	114.20
	W. S. Cass. ....	do. ....	114.20
	Geo. W. Butler. ....	do. ....	114.20
	Chas. Cowie. ....	do. ....	104.00
	Jas. E. Ellis. ....	do. ....	97.80
	Wilbur E. Hurst. ....	do. ....	97.80
	Henry R. McNally. ....	do. ....	97.80
	Wm. F. Jones. ....	do. ....	97.80
	S. W. McClure. ....	do. ....	97.80
	Frank Parker. ....	do. ....	97.80
	Wilton F. Crewe. ....	do. ....	97.80
	Chas. W. Deming. ....	do. ....	97.80
	Morris T. Hascall. ....	do. ....	81.60
	David R. Hodges. ....	do. ....	81.60
	Thos. J. Lowry. ....	do. ....	81.60
	F. O. Pettey. ....	do. ....	81.60
	Jas. Irwin. ....	do. ....	81.60
	Wm. F. Pflaeging. ....	do. ....	81.60
	A. J. Smith. ....	do. ....	81.60
	W. J. Muldoun. ....	do. ....	55.43
	Geo. S. Hickox et al. ....	Salaries. ....	815.40
	Niels C. Sorensen et al. ....	do. ....	1,983.20
	Jno. McBirney. ....	Services. ....	130.40
	Jno. A. Kiernan. ....	do. ....	122.20
	Frank C. Eells. ....	do. ....	122.20
	Dean G. Cooper. ....	do. ....	122.20
	Jno. J. Hayes. ....	do. ....	114.20
	Walter E. Howe. ....	do. ....	114.20
	J. Otis Jacobs. ....	do. ....	114.20
	M. S. Lantz. ....	do. ....	114.20
	I. W. O'Rourke. ....	do. ....	114.20
	Clinton H. Bugbee. ....	do. ....	114.20
	W. R. Fleming. ....	do. ....	114.20
	Roy N. Drake. ....	do. ....	114.20
	Thos. White. ....	do. ....	114.20
	H. J. Hammond. ....	do. ....	114.20
	R. A. Ramsay. ....	do. ....	114.20
	N. L. Townsend. ....	do. ....	114.20
	A. J. Pistor. ....	do. ....	114.20
	Alex. G. Wight. ....	do. ....	114.20
	N. B. Smith. ....	do. ....	114.20
	Robt. H. Treacy. ....	do. ....	114.20
	W. W. Worcester. ....	do. ....	114.20
10	Dulin & Martin. ....	Mop wringer. ....	1.80
	Lamb & Tilden. ....	Ink. ....	12.00
	Lutz & Co. ....	Soap. ....	2.45
	Jno. C. Parker. ....	Paper, etc. ....	167.64
11	Z. D. Gilman. ....	Tubing, etc. ....	18.89
	Barber & Ross. ....	Buckets. ....	8.92
	Fred. A. Schmidt. ....	Crayons. ....	.25
	Geo. F. Muth & Co. ....	Oil. ....	13.19
	E. J. Schafer & Co. ....	Valves. ....	4.66
12	M. W. Lang. ....	Traveling expenses. ....	133.10
	J. Otis Jacobs. ....	do. ....	117.80
	Jos. M. Good. ....	do. ....	31.45
	Chas. Cowie. ....	do. ....	13.60
	W. W. Worcester. ....	do. ....	45.00
	Willis B. Lincoln. ....	do. ....	48.10
	Morris Wooden. ....	do. ....	72.35
	Geo. S. Baker. ....	do. ....	7.00
	A. A. Holcombe. ....	do. ....	74.54

Expenditures of the Department of Agriculture for fiscal year ending June 30, 1904—Cont'd.

BUREAU OF ANIMAL INDUSTRY, EXPENSES—Continued.

Date.	Name.	Nature of payment.	Total.
1903. Dec. 12	Herbert M. Smith.....	Traveling expenses.....	\$8.00
	A. G. G. Richardson.....	.....do.....	11.20
	Lewis R. Baker.....	.....do.....	7.05
	Geo. W. Pope.....	.....do.....	5.74
	A. D. Melvin.....	.....do.....	81.09
	Arthur C. Hart.....	.....do.....	7.40
	H. D. Mayne.....	.....do.....	5.25
	Jno. E. Potter.....	.....do.....	2.50
	W. D. Collyer.....	.....do.....	90.74
	Wm. Proudfoot.....	.....do.....	35.75
	.....do.....	.....do.....	16.02
	W. B. Niles.....	.....do.....	7.85
	Clarence Loveberry.....	.....do.....	12.50
	O. B. Hess et al.....	Salaries.....	379.06
	Robt. Darling et al.....	.....do.....	195.60
	Chas. H. Zink et al.....	.....do.....	517.00
	Chas. Keane et al.....	.....do.....	530.00
	Fredk. Ainsworth et al.....	.....do.....	508.80
	Geo. S. Baker et al.....	.....do.....	408.15
	Clarence Loveberry et al.....	.....do.....	486.34
	F. L. De Wolf.....	Expenses.....	35
	W. H. Rose.....	.....do.....	15.00
	W. B. Niles.....	.....do.....	29.72
	Clarence Loveberry.....	.....do.....	12.25
	Jno. A. Bell.....	Services.....	24.00
	W. E. Hill.....	.....do.....	97.80
	Geo. A. Bond.....	.....do.....	114.20
	J. F. Ryder.....	.....do.....	163.00
	Fred. E. Dauncey.....	.....do.....	1.96
	E. A. McDonald.....	.....do.....	48.00
	Wm. E. Smith.....	.....do.....	90.00
14	A. E. Behnke.....	Use horse and buggy.....	35.00
	Leslie Allen.....	Traveling expenses.....	66.75
	.....do.....	.....do.....	52.45
	Geo. E. Totten.....	.....do.....	55.05
	Jos. W. Parker.....	.....do.....	39.20
	Geo. E. Totten.....	.....do.....	37.10
	Chas. M. Day.....	.....do.....	22.00
	Jno. L. Burgett.....	.....do.....	18.68
	Thos. A. Bray.....	.....do.....	14.90
	Geo. C. Moser.....	.....do.....	12.15
	Jos. W. Parker.....	.....do.....	31.95
	Louis Metsker.....	.....do.....	63.25
	Chas. A. McCall.....	.....do.....	61.85
	Laomer West.....	.....do.....	44.55
	W. L. Johnson.....	.....do.....	40.25
	C. A. Clawson.....	.....do.....	31.40
	Louis A. Klein.....	.....do.....	26.60
	Jno. V. Laddey.....	.....do.....	25.90
	Geo. W. Browning.....	.....do.....	23.15
	Theo. S. Rich.....	.....do.....	21.55
	Peter I. Kershaw.....	.....do.....	21.46
	R. L. Kelly.....	.....do.....	20.79
	J. F. Ryder.....	.....do.....	30.00
	Chas. Pearson.....	.....do.....	36.65
	W. M. MacKellar.....	.....do.....	40.80
	A. H. Wallace.....	.....do.....	47.91
	Louis Metsker.....	.....do.....	63.00
	W. H. Wray.....	Services.....	375.00
	W. D. McArthur.....	.....do.....	120.00
	E. T. Davison et al.....	Salaries.....	341.40
	G. W. Pope.....	Expenses.....	15.86
	H. H. George.....	.....do.....	8.48
	A. A. Holcombe.....	.....do.....	1.50
	Harry D. Payson.....	.....do.....	1.00
	.....do.....	.....do.....	14.00
	Jno. R. Mohler.....	.....do.....	3.00
	F. A. de Schweinitz.....	.....do.....	7.79
	Chas. Keane.....	Use horse and buggy.....	25.00
	O. E. Dyson.....	Use saddle horse.....	25.00
	H. W. Hawley.....	Use horse and buggy.....	32.00
	S. W. Burt.....	Use saddle horse.....	25.00
	F. Auerbach & Bro.....	Office rent.....	30.00
	Trustees of the Milk St. Trust.....	.....do.....	75.00
	Geo. E. Francis.....	Use horse and buggy.....	53.71
	Travis & De Freece.....	Wire fencing, etc.....	27.20
	Aug. C. Jens.....	Use horse and buggy.....	25.00
	Borden & Selleck Co.....	Scale.....	12.17
	St. Louis National Stock Yards.....	Office rent.....	50.00



Expenditures of the Department of Agriculture for fiscal year ending June 30, 1904—Cont'd.

## BUREAU OF ANIMAL INDUSTRY, EXPENSES—Continued.

Date.	Name.	Nature of payment.	Total.
1903.			
Dec. 14	Jno. C. Lorenzen.....	Use horse and buggy.....	\$32.40
	W. S. Goodhue.....	Office rent.....	50.00
	J. P. Nawrath.....	Twine.....	7.56
	Thos. Meehan Sons.....	Pears, etc.....	37.50
	E. J. Brooks & Co.....	Seals.....	129.50
	Geo. W. Butler.....	Use horse and buggy.....	30.00
	Jas. W. Davis.....	.....do.....	18.00
	F. D. Ketchum.....	.....do.....	25.00
	American Ice Co.....	Ice.....	20.85
	Don C. Ayer.....	Use of horse.....	15.00
	Jas. J. Brougham.....	Use horse and buggy.....	40.00
	The American Distributing Co.....	Alcohol.....	22.92
	Ames Plow Co.....	Fence.....	59.26
	Conant & Co.....	Brads, etc.....	6.07
	Frank Brandon.....	Boards, etc.....	31.66
	Wm. Lochte.....	Horseshoeing.....	11.75
	Russell G. Merrill.....	Use horse and buggy.....	25.00
	Edison Electric Illuminating Co.....	Electric lights.....	2.75
	Robt. Darling.....	Use horse and buggy.....	25.00
	Kehoe Livery and Trucking Co.....	.....do.....	6.00
	F. C. Hartwell.....	Posts.....	4.10
15	F. L. Russell.....	Traveling expenses.....	85.88
	Chas. A. McCall.....	.....do.....	22.40
	Jno. A. Sloan.....	.....do.....	20.10
	W. J. Muldown.....	.....do.....	19.75
	Warren J. Fretz.....	.....do.....	15.93
	Thos. L. Armstrong.....	.....do.....	12.85
	G. W. Ward.....	.....do.....	11.25
	Levi Wells.....	.....do.....	155.11
	S. E. Bennett.....	.....do.....	8.10
	F. L. Russell.....	.....do.....	128.00
	W. J. Crawford.....	Transportation.....	.50
	Star Union Line.....	.....do.....	.70
	.....do.....	.....do.....	4.66
	Metropolitan Steamship Co.....	.....do.....	.29
	Pennsylvania R. R. Co.....	.....do.....	.37
16	E. T. Davison.....	Traveling expenses.....	58.85
	Wm. D. Jordan.....	.....do.....	53.20
	Frank W. Brewer.....	.....do.....	42.40
	A. N. Irwin.....	.....do.....	36.75
	Ernest J. Foreman.....	.....do.....	15.45
	H. T. Potter.....	.....do.....	2.75
	Eli L. Bertram.....	.....do.....	3.55
	J. G. Fish.....	.....do.....	5.50
	Henry Singleton.....	.....do.....	6.10
	W. H. Wray.....	.....do.....	6.67
	.....do.....	Expenses.....	2.66
	Geo. Jerome.....	Traveling expenses.....	35.40
	.....do.....	.....do.....	64.07
	Jno. Forbes.....	.....do.....	36.70
	Dan McCuningham.....	.....do.....	68.35
	Toole A. Geddes.....	.....do.....	49.26
	B. E. Bayes.....	Corn.....	19.50
	Clarence Loveberry.....	Use horse and buggy.....	21.66
	J. C. Rounds.....	Mare.....	50.00
	Hooker, Lewis & Co.....	Paper, etc.....	9.55
	J. R. Stafford.....	Use horse and wagon.....	10.00
	Chas. Hubinger.....	Keys.....	31.31
	.....do.....	Gasoline.....	15.58
	E. T. Davison.....	Use horse and buggy.....	34.00
	W. E. Hargrave.....	Mare.....	75.00
	Harvard Laundry Co.....	Service.....	7.12
	Toole A. Geddes.....	Services.....	203.80
	J. F. Deadman.....	.....do.....	39.00
	E. C. Schroeder.....	Expenses.....	6.70
	W. J. Crawford.....	Services.....	1.20
17	Pennsylvania R. R. Co.....	Transportation.....	.60
	Chicago, Rock Island and Pacific Rwy. Co.....	.....do.....	.84
	Louisville and Nashville R. R. Co.....	.....do.....	7.75
	Chicago, Rock Island and Pacific Rwy. Co.....	.....do.....	.80
	Chesapeake and Ohio Rwy. Co.....	.....do.....	.91
	W. M. Lawson.....	Drills, etc.....	12.55
	.....do.....	Shoeing horses.....	11.84
	Henry Heil Chemical Co.....	Alcohol, etc.....	7.00
	Whitall Tatum Co.....	Tin boxes.....	4.43
	Rand, McNally & Co.....	Ink.....	4.00
	Jay Merrill.....	Traveling expenses.....	85.00
	Jno. C. Massie.....	Services.....	81.60

Expenditures of the Department of Agriculture for fiscal year ending June 30, 1904—Cont'd.

BUREAU OF ANIMAL INDUSTRY, EXPENSES—Continued.

Date.	Name.	Nature of payment.	Total.
1903.			
Dec. 17	B. F. Van Valkenburgh	Traveling expenses	\$13.66
	Thos. Redmond	do	15.05
	Albert Dean	do	12.00
	United States Envelope Co.	Envelopes	34.10
	Geo. E. Howard	Labels	3,250.00
	Edw. S. Schmid	Mice	1.50
	D. E. Salmon	Traveling expenses	49.15
18	The Chicago, Burlington and Quincy Rwy. Co.	Passenger transportation	8.43
	Chicago and Northwestern Rwy. Co.	do	45.35
	Chicago and Alton Rwy. Co.	do	29.35
	Cleveland, Cincinnati, Chicago and St Louis Rwy. Co.	do	25.50
	Denver and Rio Grande R. R. Co.	do	82.50
	The Missouri Pacific Rwy. Co.	do	9.03
	Louisville and Nashville R. R. Co.	do	31.50
	Southern Rwy. Co.	do	15.50
	do	do	10.00
	do	do	18.50
	Oregon Short Line R. R. Co.	do	78.00
	do	do	17.40
	New York, New Haven and Hartford R. R. Co.	do	8.00
	do	do	37.75
	Baltimore and Ohio R. R. Co.	do	46.50
	do	do	24.00
	Boston and Maine R. R. Co.	do	4.34
	The Atchison, Topeka and Santa Fe Rwy. Co.	do	62.65
	do	do	9.24
	Burlington and Missouri River R. R.	do	58.95
	do	do	32.75
	New York Central and Hudson River R. R. Co.	do	123.05
	Pennsylvania R. R. Co.	do	57.45
	do	do	60.70
	do	do	34.20
19	F. J. Marley	Trap rock	46.50
	R. W. Burrell	Labor and material	32.95
	W. H. Wade	Expenses	24.96
	Jno. A. Kiernan	Traveling expenses	26.00
	Wm. F. Jones	do	11.00
	Jno. Summers	do	6.55
	Chas. W. Deming	do	14.75
	Burton R. Rogers	do	5.40
	W. H. Hurst	do	24.00
	E. N. Hutchinson	do	68.45
	Wm. F. Pflaeging	do	37.05
	Milton F. Crewe	do	26.65
	R. G. Merrill	do	2.50
	F. Parker	do	25.50
	Jay Merrill	do	147.25
	Jno. McBirney	do	98.50
	Jno. J. Hayes	do	57.00
	Jno. C. Massie	do	97.50
	M. T. Hascall	do	25.00
	Nathanl. B. Smith	do	58.45
	W. R. Fleming	do	23.00
	Frank C. Ells	do	64.35
	A. J. Pistor	do	12.95
	Horace H. Collins	do	54.75
	N. L. Townsend	do	10.50
	M. S. Lantz	do	30.25
	W. R. Dennis	do	51.25
21	W. S. Cass	do	30.30
	Chas. White	do	14.50
	R. A. Ramsay	do	79.75
	S. W. McClure	do	80.99
	Isaiah Richards	do	64.85
	H. J. Hammond	do	112.25
	S. D. Gillett	do	28.95
	Walter E. Howe	do	33.25
	Henry R. McNally	do	43.00
	A. J. Smith	do	106.00
	Jno. C. Massie	do	77.25
	Hugh M. Rowe	do	60.95
	Rice P. Steddum	Expenses	11.16
	do	do	8.48
	Walter G. Hemming & Sons	Services and material	12.00
	The D. Henry Building Co.	Cement	17.76
	W. S. Cass	Use horse and buggy	34.00
	The Chesapeake and Potomac Telephone Co.	Service	1.00

Expenditures of the Department of Agriculture for fiscal year ending June 30, 1904—Cont'd.

## BUREAU OF ANIMAL INDUSTRY, EXPENSES—Continued.

Date.	Name.	Nature of payment.	Total.
1903.			
Dec. 22	David R. Hodges	Traveling expenses	\$40.50
	E. J. Cary	do	60.00
	I. W. O'Rourke	do	118.30
	Jas. E. Ellis	do	37.50
26	R. P. Andrews & Co., Inc.	Paper	52.92
	Jas. B. Lambie Co.	Padlocks, etc	21.46
	Ernest Betz	Tire	.75
	Delano & Moore	Plates, etc	8.03
	Rudolph, West & Co.	Nails, etc	60.94
	Leidy S. Depue	Bran and corn	228.00
	Wm. E. Pratt	Hog rings	54.60
	Library Bureau	Cards	62.05
	E. J. Brooks & Co.	Seals	35.00
	do	do	38.00
	Church & Stephenson	Lumber	303.90
	Bausch & Lomb Optical Co.	Tubes	50.85
	Arizona Publishing Co.	Advertising	2.40
	Eimer & Amend	Molybolic acid, etc	73.00
28	Union Pacific R. R. Co.	Passenger transportation	29.00
	Lewis Keiser	Hogs	196.00
	Clinton H. Bugbee	Traveling expenses	93.75
	W. H. Meadors	do	47.25
	U. G. Houck	do	79.68
31	Marion Dorsett et al.	Salaries	5,936.55
	Total second quarter		334,632.32
1904.			
Jan. 2	Ed. H. Webster	Traveling expenses	107.14
	M. W. Lang	Services	151.60
	W. D. Collyer	do	151.60
	B. F. Van Valkenburgh	do	151.60
	G. M. Whitaker	do	126.40
	Levi Wells	do	151.60
	Ed. H. Webster	do	168.50
5	M. O. Anderson	Expenses	1.22
	Roy N. Drake	Traveling expenses	90.75
	C. E. Moss	do	27.75
	Geo. S. Hickox	do	42.70
	D. C. Hanawalt	do	50.85
	R. H. Treacy	do	45.85
	Jay Merrill	do	38.10
	Alex. E. Wight	do	30.95
	Murray J. Myers	do	5.20
	Geo. A. Bond	do	69.75
6	U. G. Houck	Services	151.60
	Geo. Jerome	do	101.10
	H. B. Adair	do	126.40
	E. J. Foreman	do	117.90
	Wm. M. MacKellar	do	117.90
	Dan McCuningham	do	101.10
	Geo. W. Browning	do	117.90
	Wm. I. Jordan	do	101.10
	C. A. Clawson	do	117.90
	Wm. L. Hiatt	do	101.10
	Marion Imes	do	101.10
	Louis A. Klien	do	117.90
	H. D. Mayne	do	101.10
	W. L. Johnson	do	117.90
	Arch H. Wallace	do	117.90
	Jno. Forbes	do	138.80
	Jno. A. Sloane	do	117.90
	Chas. Pearson	do	101.10
	Leslie J. Allen	do	126.40
	C. L. Morin	do	101.10
	Jno. Callahan	do	39.00
	F. M. Perry	do	76.09
	Harry F. Hume	do	60.60
	A. A. Holcombe	do	126.40
	Frank W. Brewer	do	117.90
	Thos. A. Bray	do	126.40
	Stephen L. Blount	do	101.10
	F. W. Hopkins	do	126.40
	W. B. Lincoln	do	117.90
	W. H. Yingst	do	101.10
	Jos. M. Turner	do	75.80
	W. H. Meadors	do	117.90
	Jno. L. Burgett	do	101.10
	Laomer West	do	101.10



Expenditures of the Department of Agriculture for fiscal year ending June 30, 1904—Cont'd.

BUREAU OF ANIMAL INDUSTRY, EXPENSES—Continued.

Date.	Name.	Nature of payment.	Total.
1904.			
Jan. 6	Jos. M. Good .....	Services .....	\$117.90
	David C. Hanawalt .....	do .....	117.90
	A. N. Irwin .....	do .....	117.90
	Chas. A. McCall .....	do .....	117.90
	Jos. W. Parker .....	do .....	117.90
	Theo. S. Rich .....	do .....	117.90
	Peter I. Kershner .....	do .....	126.40
	Louis Metsker .....	do .....	117.90
	Geo. E. Totten .....	do .....	117.90
	Albert Dean et al. ....	Salaries .....	801.90
	A. G. G. Richardson et al.	do .....	340.30
	Henry E. Alvord .....	do .....	65.90
7	N. B. Smith .....	Services .....	117.90
	Jno. J. Hayes .....	do .....	117.90
	F. W. Bicknell .....	do .....	250.00
	Geo. S. Hickox et al. ....	Salaries .....	715.90
	O. E. Dyson et al. ....	do .....	9,822.87
	Jas. Johnson et al. ....	do .....	2,322.90
	Geo. W. Pope et al. ....	do .....	347.00
	Vergil L. Brown et al. ....	do .....	2,834.44
	Fredk. Braginton et al. ....	do .....	187.00
	E. P. Dowd et al. ....	do .....	187.00
	F. W. Huntington et al. ....	do .....	157.10
	Wilber J. Murphy et al. ....	do .....	202.20
	W. H. Rose et al. ....	do .....	1,196.95
	Albert Behnke et al. ....	do .....	1,236.63
	Jas. Fleming et al. ....	do .....	824.23
	Boyd Baldwin et al. ....	do .....	796.50
	E. P. Schaffter et al. ....	do .....	734.45
	H. A. Hedrick et al. ....	do .....	486.18
	Geo. C. Faville et al. ....	do .....	294.80
	Nathan K. Fegley et al. ....	do .....	262.80
	Eli L. Bertram et al. ....	do .....	269.50
	W. H. Dyer .....	Lumber .....	7.00
	Remington Typewriter Co. ....	Repairs .....	16.22
	Washington Gas Light Co. ....	Gas .....	46.80
	Potomac Electric Power Co. ....	Current .....	64.09
	do .....	do .....	51.10
	E. G. Schafer & Co. ....	Cast iron .....	9.22
	W. B. Moses & Sons .....	Carpet sweeper .....	3.00
	Woodward & Lothrop .....	Stove .....	4.50
	Mackall Bros .....	Vials, etc .....	24.56
	do .....	Cotton, etc .....	38.29
	Thos. Somerville Sons .....	Valves, etc .....	19.53
8	R. P. Clarke Co .....	Toweling .....	12.50
	Lutz & Co. ....	Lap robe .....	12.50
	M. Goldschmith & Son .....	Badges .....	95.00
	J. Karr's Sons .....	Clock .....	5.70
	Underwood Typewriter Co. ....	Typewriter .....	85.00
	Francis Miller .....	Glass .....	2.24
	Wm. J. Bacon .....	Badges .....	1.00
	L. S. Depue .....	Hay and straw .....	2,219.03
9	Robt. Darling et al. ....	Salaries .....	202.20
	Julius Huelsen et al. ....	do .....	704.38
	Rice P. Steddum et al. ....	do .....	939.70
	Lewis R. Baker et al. ....	do .....	3,605.87
	M. O. Anderson et al. ....	do .....	187.00
	L. K. Green et al. ....	do .....	320.10
	H. H. George et al. ....	do .....	825.40
	Joshua Miller et al. ....	do .....	402.22
	Henry P. Armsby et al. ....	do .....	190.00
	Jas. S. Kelley et al. ....	do .....	262.80
	Wesley N. Neil et al. ....	do .....	902.80
	E. T. Davison et al. ....	do .....	349.30
	F. W. Ainsworth et al. ....	do .....	525.60
	Levi P. Beechy et al. ....	do .....	829.98
	W. B. Niles et al. ....	do .....	469.20
	B. P. Wende et al. ....	do .....	2,127.52
	J. B. Clancy et al. ....	do .....	3,963.94
	Don C. Ayer et al. ....	do .....	3,990.63
	W. J. Stewart et al. ....	do .....	3,749.34
	Chas. W. Deming .....	Services .....	101.10
	Jas. C. Ellis .....	do .....	101.10
	W. F. Jones .....	do .....	101.10
	Wilton F. Crewe .....	do .....	101.10
	Henry R. McNally .....	do .....	101.10
	A. W. McClure .....	do .....	101.10
	F. Parker .....	do .....	101.10
	W. H. Hurst .....	do .....	101.10
	Wm. Proudfoot .....	do .....	84.20

Expenditures of the Department of Agriculture for fiscal year ending June 30, 1904—Cont'd.

## BUREAU OF ANIMAL INDUSTRY, EXPENSES—Continued.

Date.	Name.	Nature of payment.	Total.
1904. Jan 9	F. O. Pettey .....	Services .....	\$84.20
	A. J. Smith .....	do .....	84.20
	Isaiah Richards .....	do .....	84.20
	Morris T. Hascall .....	do .....	84.20
	David R. Hodges .....	do .....	84.20
	Thos. J. Lowery .....	do .....	84.20
	Wm. F. Pflaeging .....	do .....	84.20
	W. W. Worcester .....	do .....	117.90
	Emerson J. Cary .....	do .....	117.90
	H. H. Collins .....	do .....	117.90
	W. R. Fleming .....	do .....	117.90
	I. W. O'Rourke .....	do .....	117.90
	A. J. Pister .....	do .....	117.90
	N. L. Townsend .....	do .....	117.90
	Matthias S. Lantz .....	do .....	117.90
	Robt. H. Treacy .....	do .....	117.90
	Thos. White .....	do .....	117.90
	Alex. E. Wight .....	do .....	117.90
	Clinton H. Bugbee .....	do .....	117.90
	H. J. Hammond .....	do .....	117.90
	W. S. Cass .....	do .....	117.90
	R. A. Ramsay .....	do .....	117.90
	Walter E. Howe .....	do .....	126.40
	Frank C. Eells .....	do .....	126.40
	E. N. Hutchinson .....	do .....	126.40
	Geo. A. Bond .....	do .....	126.40
	J. Otis Jacobs .....	do .....	126.40
	Jno. A. Kiernan .....	do .....	126.40
	Russell G. Merrill .....	do .....	75.80
	F. P. Herron .....	do .....	60.60
	Jno. McBirney .....	do .....	134.80
11	F. D. Ketchum et al. ....	Salaries .....	1,163.90
	Harry D. Paxson et al. ....	do .....	1,463.35
	J. J. Brougham et al. ....	do .....	1,637.30
	Harry N. Walter et al. ....	do .....	3,120.72
	C. H. Zink et al. ....	do .....	534.00
	Geo. Ditewig et al. ....	do .....	1,199.05
	Niels C. Sorensen et al. ....	do .....	2,051.23
	S. E. Bennett et al. ....	do .....	7,985.73
	Chas. A. Schaufler et al. ....	do .....	1,148.70
	Clarence Loveberry et al. ....	do .....	498.80
	Jas. Hewes .....	Services .....	90.00
12	Harvard Laundry Co. ....	Service .....	8.28
	The Mathy Co. (Incorporated) ..	Boiler .....	6.50
	Woodward & Lothrop .....	Desk .....	21.63
	M. Du Perow .....	Receptacles .....	.90
	Z. D. Gilman .....	Acetic acid .....	22.16
	Remington Typewriter Co. ....	Paper, etc. ....	114.70
	Clark & Davenport .....	Carpets .....	248.60
	E. A. de Schweinitz .....	Expenses .....	13.06
	U. G. Houck .....	Traveling expenses ..	82.42
14	Wm. E. Smith .....	do .....	5.47
	Levi Wells .....	do .....	57.32
	A. D. Melvin .....	do .....	97.20
	Orlando Fling .....	do .....	4.45
	Stephen Gillett .....	do .....	18.90
	Geo. M. Rommel .....	do .....	59.64
	W. B. Niles .....	do .....	9.10
	Geo. W. Ward .....	do .....	13.75
	F. L. Russell .....	do .....	57.87
	Allen A. Holcombe .....	do .....	57.12
	W. R. Dennis .....	do .....	90.15
	Geo. S. Hickox .....	do .....	72.60
	Lowell Clarke .....	do .....	64.95
	C. L. Morin .....	do .....	12.20
	Wm. F. Pflaeging .....	do .....	31.75
	Chas. M. Day .....	do .....	37.04
	W. B. Lincoln .....	do .....	11.00
	Jens Madsen .....	do .....	11.45
	Joshua Miller .....	Expenses .....	1.15
	do .....	do .....	16.00
	H. A. Hedrick .....	do .....	10.75
	Jno. R. Mohler .....	do .....	50.52
	H. H. George .....	do .....	20.22
	Louis Abel .....	do .....	2.55
	E. P. Schaffter .....	do .....	1.03
	Geo. S. Hickox .....	do .....	13.10
	L. R. Baker .....	do .....	1.50
	N. C. Sorensen .....	do .....	12.64
	Fredk. Braginton .....	do .....	.60

Expenditures of the Department of Agriculture for fiscal year ending June 30, 1904—Cont'd.

BUREAU OF ANIMAL INDUSTRY, EXPENSES—Continued.

Date.	Name.	Nature of payment.	Total.
1904. Jan. 14	A. G. G. Richardson	Expenses	\$2.06
	G. A. Johnson	do	.90
	B. F. Van Valkenburgh	do	14.52
	W. H. Gibbs	do	1.15
	B. P. Wende	do	135.00
	do	do	2.05
	Geo. Ditewig	do	43.56
	Chas. M. Day	do	17.10
	Clarence Loveberry	do	20.00
	W. B. Niles	do	13.00
	A. A. Holcombe	do	2.00
	Geo. S. Baker	do	1.25
	J. J. Brougham	do	21.00
	W. H. Rose	do	18.70
	Chas. A. Schaufier	do	41.85
	do	do	1.00
	Chas. Keane et al.	Salaries	547.50
	Geo. A. Johnson et al.	do	955.65
	J. C. Milnes et al.	do	210.60
	W. H. Gibbs et al.	do	161.70
	R. J. Blanche et al.	do	187.00
	F. L. De Wolf et al.	do	262.80
	Trajan A. Shipley et al.	do	338.60
	Arthur B. Morse et al.	do	187.00
	Geo. S. Baker et al.	do	422.80
	O. B. Hess et al.	do	392.32
	W. E. Smith	Services	90.00
	W. J. Kennedy	do	100.00
	Chas. Cowie	do	104.00
	Geo. W. Butler	do	117.90
	Ellen S. Mayhew	do	17.93
	W. H. Wade	do	75.80
	Roy N. Drake	do	117.90
	Jas. Irwin	do	84.20
	G. W. Ward	do	117.90
	D. Cumming	do	65.00
	Dean G. Cooper	do	126.40
	Jno. Van Winkle	do	65.00
	Sarah A. Ingram	do	30.98
	Orlando Fling	do	40.00
	W. E. Hill	do	101.10
	M. H. Crosby	do	6.52
	Edw. P. Schaffter	Traveling expenses	5.98
	Warren J. Fritz	do	55.55
	M. W. Lang	do	142.91
	E. T. Davison	do	23.50
	W. D. Collyer	do	81.35
	Jas. Hewes	do	19.99
	Wm. Lichte	Shoeing horses	11.75
	Geo. W. Butler	Use horse and buggy	30.00
	Clarence Loveberry	do	50.00
	Jas. J. Brougham	do	40.00
	American Linen Supply Co.	Service	3.00
	Robt. Darling	Use horse and buggy	25.00
	F. D. Ketchum	do	25.00
	W. I. Young & Co.	Butter	373.08
	Mallinckrodt Chemical Works	Potas. chlorate	.34
	Eimer & Amend	Tannin	.50
	Yawman & Erbe Manufacturing Co.	Guides	4.10
	Armstrong Laundry Co.	Service	1.20
	Charles Keane	Use horse and buggy	25.00
	McKenney & Waterbury Co.	Electric light	1.40
	Russell G. Merrill	Use horse and buggy	25.00
	S. E. Bennett	Use horse and saddle	5.42
	Old Dominion Paper Co.	Memorandum books	8.64
	Miller Lock Co.	Padlocks	14.00
	L. D. Turner	Mare	30.00
	Jno. Post	Oats	47.00
	Rock & Co.	Stamps	6.00
	Chas. A. Schaufier	Use horse and buggy	105.00
	Alex Hoover	Mare	30.00
	Aug. C. Jens	Use horse and buggy	25.00
	A. H. Thomas Co.	Flasks	34.44
	do	Lamps, etc.	16.55
	United States Envelope Co.	Envelopes	45.11
	Combe Printing Co.	Ink	2.00
	Missouri and Kansas Telephone Co.	Service	12.50
	E. T. Davison	Use horse and buggy	23.80
	A. I. Maxwell	Corn	35.00



Expenditures of the Department of Agriculture for fiscal year ending June 30, 1904—Cont'd.

## BUREAU OF ANIMAL INDUSTRY, EXPENSES—Continued.

Date.	Name.	Nature of payment.	Total.
1904.			
Jan. 14	Conrad Ploch.....	Land.....	\$200.00
	Geo. E. Myrich.....	Chairs.....	4.50
	Maryland Telephone and Telegraph Co.....	Service.....	12.00
	City Telephone Co.....	do.....	3.00
	New Telephone Co.....	do.....	20.00
	Edison Electric Illuminating Co.....	Electric lights.....	3.20
	Rocky Mountain Bell Telephone Co.....	Service.....	22.56
	A. E. Behnke.....	Use horse and buggy.....	35.00
	New England Telephone and Telegraph Co.....	Service.....	12.50
	The Bell Telephone Co. of Philadelphia.....	do.....	40.00
	Chesapeake and Potomac Telephone Co.....	do.....	12.00
	Trustees of the Milk Street Trust.....	Office rent.....	75.00
	do.....	do.....	54.10
	Emma Curran, administratrix.....	do.....	21.06
	Belt R. R. and Stock Yard Co.....	do.....	30.00
	Grand Trunk R. R. system.....	do.....	37.50
	East Buffalo Live Stock Exchange Co.....	do.....	90.00
	The Cincinnati Union Stock Yards Co.....	do.....	45.00
	N. Rufus Gill.....	do.....	31.20
	Jas. Stikeman.....	do.....	125.05
	F. Auerbach & Bros.....	do.....	30.00
	T. F. Rodgers, agent.....	do.....	52.50
	Bourbon Stock Yards Co.....	do.....	30.00
	C. Deaderich.....	do.....	30.00
	H. J. Harwood.....	do.....	59.10
	St. Joseph Stock Yards Co.....	do.....	135.04
	Emma J. Adams et al.....	do.....	120.00
	Roy N. Drake.....	Traveling expenses.....	7.50
	M. T. Hascall.....	do.....	3.20
	Frank C. Eells.....	do.....	8.75
	F. Parker.....	do.....	8.00
	Marion Innes.....	do.....	70.50
	Henry R. McNally.....	do.....	54.05
	N. B. Smith.....	do.....	38.50
	David R. Hodges.....	do.....	33.70
	C. H. Bugbee.....	do.....	19.75
	S. W. McClure.....	do.....	12.25
	M. S. Lantz.....	do.....	13.70
	Laomer West.....	do.....	17.75
	Jno. McBirney.....	do.....	108.25
	Chas. W. Deming.....	do.....	10.55
	W. R. Fleming.....	do.....	29.10
	N. L. Townsend.....	do.....	23.75
	Wilber H. Hurst.....	do.....	2.55
	Jno. J. Hayes.....	do.....	12.50
	A. J. Pistor.....	do.....	5.20
	Wm. F. Jones.....	do.....	30.85
	Chas. Cowie.....	do.....	11.25
	Jno. S. Martin & Co.....	Office rent.....	126.00
	W. S. Goodhue.....	do.....	50.00
	Jno. F. Blackwell.....	Use horse and buggy.....	36.00
	Edw. A. McDonald.....	Services.....	120.00
	Jas. W. Davis.....	do.....	75.80
	Rice P. Steddum.....	Expenses.....	3.70
	T. A. Shipley.....	do.....	9.60
	Don C. Ayer.....	do.....	1.04
	A. E. Behnke.....	do.....	21.00
	E. Van Winkle.....	Purchase of land.....	3,336.02
15	O. E. Dyson.....	Use of horse.....	25.00
16	Sunset Telephone and Telegraph Co.....	Service.....	10.50
	J. F. Ryder.....	do.....	168.50
	Jno. F. Deadman.....	do.....	9.00
	Orlando Fling.....	do.....	15.00
	Toolie A. Geddes.....	do.....	210.60
	W. H. Wray.....	do.....	387.50
	Harry N. Waller.....	Expenses.....	13.90
	Fred J. Goebel.....	do.....	9.55
	H. D. Paxson.....	do.....	40.00
	W. H. Wray.....	do.....	22.90
	Julius Huelsen.....	do.....	7.03
	do.....	do.....	6.50
	Hiram Jerome.....	do.....	9.70
	Geo. C. Faville.....	do.....	15.35
	J. F. Ryder.....	Traveling expenses.....	30.00
	R. A. Ramsay.....	do.....	97.20
	E. L. Volzmau.....	do.....	2.70
	Frank W. Brewer.....	do.....	55.05
	Jno. V. Laddey.....	do.....	26.30
	L. J. Allen.....	do.....	39.10

Expenditures of the Department of Agriculture for fiscal year ending June 30, 1904—Cont'd.

## BUREAU OF ANIMAL INDUSTRY, EXPENSES—Continued.

Date.	Name.	Nature of payment.	Total.
1904.			
Jan. 16	Wm. F. Hiatt.....	Traveling expenses.....	\$55.45
	Benj. Howes.....	do.....	9.65
	W. N. D. Bird.....	do.....	18.10
	Samuel Somerville, jr.....	do.....	1.95
	Albert Dean.....	do.....	5.65
	Thos. W. Scott.....	do.....	7.05
	Thos. A. Bray.....	do.....	3.25
	Wm. C. Wootton.....	do.....	2.85
	Chas. Pearson.....	do.....	5.50
	Louis A. Klein.....	do.....	9.40
	Geo. Jerome.....	do.....	57.25
	E. N. Hutchinson.....	do.....	35.65
	O. B. Hess.....	do.....	15.20
	Louis Metsker.....	do.....	19.50
	Geo. E. Totten.....	do.....	6.75
	Geo. S. Baker.....	do.....	7.00
	Isaiah Richards.....	do.....	42.50
	W. H. Wray.....	do.....	3.76
	Geo. W. Browing.....	do.....	15.15
	Wm. L. Hiatt.....	do.....	69.74
	Wilton F. Crewe.....	do.....	21.35
	C. A. Clawson.....	do.....	34.80
	Theo. S. Rich.....	do.....	33.15
	Jas. W. Parker.....	do.....	4.70
	Jno. L. Burgett.....	do.....	6.80
	F. M. Perry.....	do.....	5.20
	Geo. C. Moser.....	do.....	11.40
	Western L. Johnson.....	do.....	24.25
	H. J. Hammond.....	do.....	78.00
	do.....	do.....	81.50
	H. H. Collins.....	do.....	21.50
	E. J. Foreman.....	do.....	13.25
	A. N. Irwin.....	do.....	17.10
	Wm. D. Jordan.....	do.....	65.70
	Marion Imes.....	do.....	95.34
	Walter E. Howe.....	do.....	32.50
	Dan McCunningham.....	do.....	44.60
	Wm. M. MacKellar.....	do.....	21.30
	Wm. L. Hiatt.....	do.....	53.00
	B. F. Van Valkenburgh.....	do.....	18.81
	H. D. Mayne.....	do.....	41.00
	W. R. Dennis.....	do.....	126.60
	Peter I. Kershner.....	do.....	36.19
	Arch H. Wallace.....	do.....	16.25
18	Geo. W. Pope.....	do.....	1.32
	Kansas City Stock Yards Co.....	Office rent.....	66.00
	do.....	do.....	45.00
	Nebraska Telephone Co.....	Service.....	13.50
	New York and New Jersey Telephone Co.....	do.....	7.50
	Missouri and Kansas Telephone Co.....	do.....	24.00
	Chicago Telephone Co.....	do.....	43.75
	do.....	do.....	5.94
	Wm. E. Pratt.....	Hog rings.....	35.98
	Queen & Co. (Incorporated).....	Paraffine.....	1.00
	Barber & Ross.....	Tacks.....	6.50
	Delano & Moore.....	Plates, etc.....	18.26
	Z. D. Gilman.....	Tubing, etc.....	21.61
	do.....	do.....	9.82
	W. B. Moses & Sons.....	Chair, etc.....	6.80
	American Ice Co.....	Ice.....	19.55
	Church & Stephenson.....	Lumber.....	59.00
	D. J. Kaufman.....	Coats.....	5.00
	Littlefield, Alvord & Co.....	Transportation.....	6.00
	Geo. F. Muth & Co.....	Ink.....	.83
	Rudolph, West & Co.....	Handles, etc.....	7.28
	Transit House Stores.....	Coal.....	15.15
	Glynn & Smith.....	Transportation.....	6.75
	Don C. Ayer.....	Use of horse.....	15.00
	Jas. W. Davis.....	Use of horse and buggy.....	18.00
	Frontier Towel Supply Co.....	Service.....	15.30
	Bay State Clean Towel Co.....	do.....	3.75
	South St. Joseph Coal Co.....	Ice.....	1.20
	Hibbard, Spencer, Bartlett & Co.....	Clippers.....	4.80
	J. R. Stafford.....	Use horse and wagon.....	10.00
	Silver Laundry and Towel Co.....	Service.....	5.33
	Cutler & Neilson Paint and Color Co.....	Paint.....	9.00
	S. W. Burt.....	Use of horse.....	25.00
	Henry Lehman & Sons.....	Painting tables.....	33.00
	Yawman & Erbe Manufacturing Co.....	Cases.....	8.00

Expenditures of the Department of Agriculture for fiscal year ending June 30, 1904—Cont'd.

## BUREAU OF ANIMAL INDUSTRY, EXPENSES—Continued.

Date	Name.	Nature of payment.	Total.
1904.			
Jan. 18	Mallinckrodt Chemical Works	Salts	\$1.45
	Union Envelope Co.	Envelopes	15.40
	United States Envelope Co.	do	13.60
	Geo. E. Howard	Labels	3,250.00
	do.	do	567.65
19	Union Stock Yards and Transit Co.	Office rent	375.00
	Gahan & Byrne	do	675.00
	W. S. Cass	Use horse and buggy	34.00
	New England Telephone and Telegraph Co.	Service	3.00
	do.	do	3.56
	do.	do	52.50
	F. P. Burnap	Ink	6.00
	W. D. Jordan	Use horse and buggy	75.00
	Thos. A. Bray	do	75.00
	Weehawken Stock Yards	Service	10.65
	Hampton Cooperative Creamery Association	Butter	2.60
	Louis A. Klein	Use horse and saddle	75.00
	Jno. Furlush	Corn	35.00
	Stockyards Hardware and Paint Co	Pliers	3.20
	H. W. Hawley	Use horse and buggy	32.00
	Rockwell-Barns Co	Pads, etc.	4.25
	The Consumers Co	Ice	24.85
	do.	Water	1.50
	Mendenhall Transportation Co.	Storage	12.00
	do.	do	3.45
	Jno. C. Lorenzen	Use horse and wagon	35.10
	Chicago Towel Supply Co.	Service	74.10
	Geo. E. Francis	Use horse and wagon	45.00
	W. S. Cass	Traveling expenses	58.90
	Russell G. Merrill	do	19.37
	Jno A. Sloan	do	3.90
	Jno. P. O'Leary	do	3.60
	Oriando Pflug	do	3.50
	Rice P. Steddom	do	2.95
	Robt. H. Treacy	do	29.95
	Chas. W. Pagle, jr.	do	3.15
	L. A. Robinson	do	7.35
	Geo. W. Knorr	do	8.40
	Boyd Baldwin	Expenses	4.02
	L. K. Green	do	5.90
	N. K. Fegley	do	7.60
	O. E. Dyson	do	24.90
	E. T. Davison	do	8.82
	F. D. Ketchum	do	8.77
20	Wm. Proudfoot	Traveling expenses	74.80
	Jno. R. Mohler	do	31.67
	E. C. Schroeder	Expenses	6.40
	F. L. Russell	Services	96.00
25	Herman R. Ryder	Traveling expenses	2.20
	E. A. McDonald	do	56.95
	F. D. Ketchum	do	17.65
	Rice P. Steddom	Expenses	15.07
	J. B. Clancy	do	10.90
	do.	do	16.00
	do.	do	8.75
	S. E. Bennett	do	7.85
	Tribune Printing Co.	Advertising	2.01
	St. Louis National Stock Yards	Office rent	50.00
	New York Telephone Co.	Service	28.20
	Pennsylvania R. R. Co.	Passenger transportation	41.75
	do.	do	17.00
	Chicago, Burlington and Quincy Rwy. Co.	do	34.51
	Terre Haute and Indianapolis R. R. Co.	do	14.80
	New York Central and Hudson River R. R. Co.	do	23.50
	Baltimore and Ohio R. R. Co.	do	77.33
	The Missouri Pacific Rwy. Co.	do	22.50
	Burlington and Missouri River R. R. Co.	do	21.50
	St. Louis and San Francisco R. R. Co.	do	28.65
	The Colorado and Southern Rwy. Co.	do	8.50
	Union Pacific R. R. Co.	do	51.00
	Northern Pacific R. R. Co.	do	5.90
	New York, New Haven and Hartford R. R. Co.	do	34.93
	Louisville and Nashville R. R. Co.	do	6.30
	Pittsburg, Cincinnati, Chicago and St. Louis Rwy. Co.	do	18.00
	do.	do	15.70
	Chesapeake and Ohio Rwy. Co.	do	30.15



Expenditures of the Department of Agriculture for fiscal year ending June 30, 1904—Cont'd.

BUREAU OF ANIMAL INDUSTRY, EXPENSES—Continued.

Date.	Name.	Nature of payment.	Total.
1904.			
Jan. 25	Oregon Short Line R. R. Co.	Passenger transportation	\$16.30
	do.	do.	42.50
	Denver and Rio Grande R. R. Co.	do.	15.00
	The Wabash R. R. Co.	do.	23.50
26	Library Bureau.	Guides	9.25
	Mallinckrodt Chemical Co.	Potassium acetate	3.50
	Eimer & Amend.	Sodium sulphate	22.19
	F. H. Crane.	Sash.	6.75
	E. J. Brooks & Co.	Presses	12.50
	Fowler Manufacturing Co.	Towel service	5.09
	Adams Express Co.	Transportation	49.60
	Chas. R. Edmonston.	Tubes	8.00
	Louis Hartig.	Wire	3.96
	D. Frank Parker.	Paper	21.00
	W. H. Dyer.	Wire	3.00
	R. P. Andrews & Co.	Envelopes	.98
	Geo. E. Howard.	Boxes.	112.50
	J. Baumgarten & Sons.	Stencil.	7.75
	Pittsburg Union Stock Yards.	Rent.	60.00
	Fredk. W. Ainsworth.	Expenses	1.50
	Albert Dean.	do.	6.79
	W. D. McArthur.	Services	120.00
	The Bell Telephone Co. of Buffalo.	do.	18.00
	The New York and New Jersey Telephone Co.	do.	31.00
	Jno. Forbes.	Traveling expenses	38.56
	C. O. Durfee.	do.	3.15
27	F. O. Pettey.	do.	20.75
	do.	do.	13.50
	Isaac W. O'Rourke.	do.	21.25
	J. Otis Jacobs.	do.	60.15
	Hugh M. Rowe.	do.	49.05
	Jno. W. Brown.	do.	6.05
	The Sioux City Stock Yards Co.	Rent	60.00
	Walter E. Howe.	Service	7.50
	Thos. Somerville & Sons.	Plates, etc.	4.53
	do.	Valves, etc.	.85
	M. Du Perow.	Cut outs.	1.44
	Jas. B. Lambie & Co.	Steel, etc.	1.10
	Edw. S. Schmid.	Mice.	1.50
	Wm. Lochte.	Hogs.	15.00
	Potomac Electric Power Co.	Lamps	1.28
	do.	Current	59.10
	do.	Lamps	1.92
28	Thos. J. Lowry.	Traveling expenses	10.75
	Geo. A. Bond.	do.	22.50
	Alex. E. Wight.	do.	34.25
	Thos. White.	do.	13.50
	Jno. A. Kiernan.	do.	35.90
29	Bausch & Lomb Optical Co.	Slides, etc.	34.95
	Queen & Co. Incorporation.	Alcohol.	6.00
	Henry Heil Chemical Co.	Vaseline, etc.	2.00
	Richard J. Blanche.	Expenses	.75
	W. H. Meadors.	Traveling expenses	15.75
30	Leroy Scribner.	Service	85.20
31	Marion Dorset et al.	Salaries.	6,362.74
Feb. 2	Geo. M. Whitaker.	Services.	127.70
	Levi Wells.	do.	153.30
	Ed. H. Webster.	do.	170.30
	B. F. Van Valkenburgh.	do.	153.30
	Merrill W. Lang.	do.	153.30
	W. D. Collyer.	do.	153.30
	Jas. F. Hughs.	Traveling expenses	2.35
	E. A. de Schweinitz.	do.	16.20
	Jas. E. Ellis.	do.	36.00
3	Barber & Ross.	Shears	5.50
	Dulin & Martin Co.	Jar, etc.	1.70
	M. Du Perow.	Batteries	1.50
	The Geo. W. Knox Express Co.	Transportation	.95
	Jas. B. Lambie Co.	Brooms.	6.90
	McCauley & McGill.	Gas.	2.50
	E. Morrison Paper Co.	Parchment.	6.00
	Washington Gas Light Co.	Gas.	44.20
	Warren M. Whyte.	Pans.	17.60
	F. W. Hopkins.	Service	127.70
	Thos. A. Bray.	do.	127.70
	Leslie J. Allen.	do.	127.70
	Frank W. Brewer.	do.	119.20
	Geo. W. Browning.	do.	119.20
	Jos. M. Good.	do.	119.20

Expenditures of the Department of Agriculture for fiscal year ending June 30, 1904—Cont'd.

## BUREAU OF ANIMAL INDUSTRY, EXPENSES—Continued.

Date.	Name.	Nature of payment.	Total.
1904.			
Feb. 3	David C. Hanawalt.....	Service.....	\$119.20
	Louis A. Klein.....	do.....	119.20
	W. B. Lincoln.....	do.....	119.20
	Wm. M. MacKellar.....	do.....	119.20
	Jno. A. Sloan.....	do.....	119.20
	A. H. Wallace.....	do.....	119.20
	Stephen L. Blount.....	do.....	102.20
	Jno. L. Burgett.....	do.....	102.20
	W. L. Hiatt.....	do.....	102.20
	Marion Imes.....	do.....	102.20
	Wm. D. Jordan.....	do.....	102.20
	Dan. McCuningham.....	do.....	102.20
	Walter H. Yingst.....	do.....	102.20
	Jos. M. Turner.....	do.....	76.60
	H. D. Mayne.....	do.....	59.34
	Julius Huelsen et al.....	Salaries.....	735.60
	Edw. P. Schaffter et al.....	do.....	741.38
	Boyd Baldwin et al.....	do.....	797.21
	Geo. Ditewig et al.....	do.....	1,220.90
	A. E. Behnke et al.....	do.....	1,306.96
	H. A. Hedrick et al.....	do.....	499.00
	Albert Dean et al.....	do.....	700.00
	Geo. W. Pope et al.....	do.....	413.30
	W. H. Rose et al.....	do.....	1,248.53
	A. G. G. Richardson et al.....	do.....	352.50
	Geo. C. Paville et al.....	do.....	298.10
	Nathan K. Fegley et al.....	do.....	265.60
	Fredk. Braginton et al.....	do.....	189.00
	E. P. Dowd et al.....	do.....	189.00
4	L. R. Baker et al.....	do.....	3,594.80
	Richd. J. Blanche et al.....	do.....	189.00
	F. L. De Wolf et al.....	do.....	265.60
	F. W. Huntington et al.....	do.....	162.20
	Chas. A. Schaufler et al.....	do.....	1,169.20
	Saml. E. Bennett et al.....	do.....	8,097.71
	Joshua Miller et al.....	do.....	538.41
	W. N. Neil et al.....	do.....	812.30
	W. B. Niles et al.....	do.....	454.50
	Thos. W. Scott et al.....	do.....	195.80
	U. G. Houck et al.....	do.....	153.30
	Geo. H. Woolfolk.....	Services.....	46.98
	C. L. Morin.....	do.....	102.20
	Jno. Forbes.....	do.....	13.19
5	Jno. A. Bell.....	do.....	24.00
	Geo. W. Butler.....	do.....	119.20
	D. Cumming.....	do.....	45.00
	F. M. Perry.....	do.....	119.20
	G. W. Ward.....	do.....	119.20
	Wm. H. Wade.....	do.....	76.60
	F. W. Ainsworth et al.....	Salaries.....	531.30
	Henry B. Armsby et al.....	do.....	281.70
	Jas. J. Brougham et al.....	do.....	1,939.75
	J. B. Clancy et al.....	do.....	3,925.29
	H. H. George et al.....	do.....	934.90
	L. K. Greene et al.....	do.....	323.50
	W. J. Murphy et al.....	do.....	204.30
	Rice P. Steddom et al.....	do.....	875.30
	H. Q. Thompson et al.....	do.....	2,283.27
	H. N. Waller et al.....	do.....	3,164.72
	B. P. Wende et al.....	do.....	2,170.60
6	F. W. Bicknell.....	Services.....	250.00
	Harry F. Hume.....	do.....	61.30
	H. D. Mayne.....	do.....	29.67
	Wm. E. Smith.....	do.....	90.00
	W. L. Niel.....	Expenses.....	11.00
	do.....	do.....	9.00
	B. F. Van Valkenburgh.....	do.....	36.38
	Boyd Baldwin.....	do.....	6.17
	E. C. Schroeder.....	do.....	7.30
	G. W. Ward.....	do.....	2.00
	Clarence B. Lane.....	Traveling expenses.....	45.75
	C. L. Morin.....	do.....	8.20
	Chas. Cowie.....	do.....	16.20
	Geo. M. Rommel.....	do.....	16.95
8	Jas. Fleming et al.....	Salaries.....	841.10
	Chas. Keane et al.....	do.....	553.30
	Eli L. Bertram et al.....	do.....	272.40
	Chas. H. Zink et al.....	do.....	539.80
	Jas. S. Kelly et al.....	do.....	265.60
	Don. C. Ayer et al.....	do.....	4,142.50

*Expenditures of the Department of Agriculture for fiscal year ending June 30, 1904—Cont'd.*

## BUREAU OF ANIMAL INDUSTRY, EXPENSES—Continued.

Date.	Name.	Nature of payment.	Total.
1904.			
Feb. 8	W. H. Gibbs et al. ....	Salaries .....	\$163.50
	T. A. Shipley et al. ....	do. ....	342.20
	Geo. A. Johnson et al. ....	do. ....	982.40
	A. B. Morse et al. ....	do. ....	189.00
	Niels C. Sorensen et al. ....	do. ....	2,079.30
	F. D. Ketchum et al. ....	do. ....	1,176.60
	M. O. Anderson et al. ....	do. ....	189.00
	Clarence Loveberry et al. ....	do. ....	505.30
	Vergil L. Brown et al. ....	do. ....	2,936.80
	Walter J. Stewart et al. ....	do. ....	4,923.10
	O. E. Dyson et al. ....	do. ....	10,210.33
	A. J. Payne. ....	Services. ....	61.54
	Jas. Hewes. ....	do. ....	90.00
	Jas. Irwin. ....	do. ....	85.20
	Jas. W. Davis. ....	do. ....	76.60
	The Chesapeake and Potomac Telephone Co. ....	Service. ....	15.00
	do. ....	do. ....	110.41
	The Real Estate and Improvement Co. ....	Rent of land. ....	56.25
9	Robt. Darling et al. ....	Salaries. ....	204.30
	O. B. Hess et al. ....	do. ....	422.40
	Harry D. Paxson et al. ....	do. ....	1,573.50
	Geo. S. Baker et al. ....	do. ....	427.40
	Levi P. Beechy et al. ....	do. ....	949.80
	Jas. Hewes. ....	Traveling expenses. ....	47.35
	E. A. de Schweinitz. ....	Expenses. ....	11.40
	W. E. Hill. ....	Services. ....	102.20
	Chas. Cowie. ....	do. ....	88.00
	Geo. E. Howard. ....	Stamps. ....	528.55
	do. ....	Labels. ....	3,250.00
	Z. D. Gilman. ....	Tubing, etc. ....	2.85
	do. ....	Gloves. ....	10.54
	Mackall Bros. ....	Filters. ....	72.08
	Harvard Laundry Co. ....	Towel service. ....	6.79
	Geo. N. Saegmuller. ....	Repairing transit. ....	9.00
	Potomac Electric Power Co. ....	Electric current. ....	68.02
	National Electric Supply Co. ....	Flexible stem and base. ....	1.40
	Geo. F. Muth & Co. ....	Oil, etc. ....	14.00
	C. A. Muddiman & Co. ....	Lamps. ....	.50
	W. B. Moses & Sons. ....	Repairing chairs. ....	1.65
	L. Leroy Lochte. ....	Shoeing horses. ....	27.40
	Leidy S. Depue. ....	Straw. ....	402.70
	do. ....	Bran, etc. ....	228.00
	Underwood Typewriter Co. ....	Cushions. ....	1.50
	Washington Gaslight Co. ....	Gas. ....	43.00
11	Geo. S. Baker. ....	Traveling expenses. ....	7.00
	W. D. Collyer. ....	do. ....	146.81
	Chas. M. Day. ....	do. ....	15.30
	W. E. Hill. ....	do. ....	16.20
	Isaac N. Krowl. ....	do. ....	9.15
	W. B. Niles. ....	do. ....	10.50
	Jno. A. Stauffer. ....	do. ....	10.30
	B. F. Van Valkenburgh. ....	do. ....	16.33
	Geo. M. Whitaker. ....	do. ....	184.78
	Henry E. Alvord. ....	do. ....	80.25
	Clarence Loveberry. ....	Use horse and buggy. ....	50.00
	Toobie A. Geddies. ....	Services. ....	212.90
	Thos. W. Scott. ....	Expenses. ....	5.00
	W. H. Rose. ....	do. ....	12.50
	W. B. Niles. ....	do. ....	13.00
	Clarence Loveberry. ....	do. ....	12.40
	Julius Huelsen. ....	do. ....	8.87
	H. H. George. ....	do. ....	11.24
12	Geo. W. Pope. ....	do. ....	18.31
	I. P. Roosa. ....	do. ....	1.00
	Geo. W. Pope. ....	Traveling expenses. ....	.81
	Jos. M. Good. ....	do. ....	12.32
	M. W. Lang. ....	do. ....	184.51
	W. S. Goodhue. ....	Office rent. ....	50.00
	St. Louis National Stock Yards. ....	do. ....	50.00
	Quackenbush & Sons. ....	Vise. ....	7.25
	R. J. O'Brien & Bros. Co. ....	Bran, etc. ....	48.98
	O. E. Dyson. ....	Use saddle horse. ....	25.00
	Edison Electric Illuminating Co. ....	Service. ....	3.22
	Eberhard Faber. ....	Erasers, etc. ....	40.93
	do. ....	Bands, etc. ....	50.16
	Geo. E. Francis. ....	Use horse and buggy. ....	45.00
	J. R. Stafford. ....	Use horse and wagon. ....	10.00
	H. C. Niles. ....	Chickens. ....	5.00
	New York Telephone Co. ....	Services. ....	30.09



Expenditures of the Department of Agriculture for fiscal year ending June 30, 1904.—Cont'd.

## BUREAU OF ANIMAL INDUSTRY EXPENSES—Continued.

Date.	Name.	Nature of payment.	Total.
1904.			
Feb. 12	Robt. Darling	Use horse and buggy	\$25.00
	Jas. W. Davis	do	18.00
	S. W. Burt	Use saddle horse	25.00
	Bellevue Chemical Co.	Bloodstain	2.40
	F. P. Burnap Stationery and Printing Co.	Desk, etc.	74.45
	S. E. Bennett	Use saddle horse	28.00
	A. E. Behnke	Use horse, etc.	35.00
	Brookline Gaslight Co.	Gas	.80
	Hooper, Lewis & Co.	Record book	2.00
	Chas. Hubinger	Gasoline	7.73
	do	Saw, etc.	16.51
	Iowa Telephone Co.	Service	12.00
	Chas. Keane	Use horse, etc.	25.00
	Robt. Keith Furniture and Cabinet Co.	Desk	22.50
	Mallinckrodt Chemical Co.	Potassium acetate	.56
	do	Zinc	.75
	Jno. C. Lorenzen	Use horse, etc.	33.75
	A. M. Lyman	Butter	11.02
	Chas. Lentz & Son	Sharpening knives	2.75
	F. D. Ketchum	Use horse, etc.	25.00
	Don C. Ayer	do	15.00
	J. H. Bunnell & Co.	Shades	4.10
	Jas. J. Brougham	Use horse, etc.	40.00
	Geo. W. Butler	do	30.00
	Hiram W. Hawley	do	32.00
	W. I. Young & Co.	Butter	681.93
	Whitall Tatum Co.	Jars	5.78
13	Lewis Keiser	Hogs	200.00
15	Jno. S. Buckley	Traveling expenses	14.20
	Levi Wells	do	163.61
	A. D. Melvin	do	109.10
17	Baltimore and Ohio R. R. Co.	Passenger transportation	61.50
	The Chicago, Burlington and Quincy R. R. Co.	do	21.79
	do	do	17.35
	Cincinnati, New Orleans and Texas Pacific Rwy. Co.	do	20.45
	Chicago, Burlington and Quincy R. R. Co.	do	1.86
	do	do	2.10
	do	do	2.57
	Jno. C. Massie	Traveling expenses	39.00
	E. A. McDonald	Services	96.00
	Arch. H. Wallace	Traveling expenses	23.98
	Thos. A. Bray	do	19.90
	Louis A. Klein	do	25.55
	Geo. W. Browning	do	23.04
	Jno. L. Burgett	do	40.71
	L. J. Allen	do	29.55
18	Pennsylvania Co.	Passenger transportation	21.75
	do	do	17.50
	Chicago, Rock Island and Pacific Rwy. Co.	do	41.12
	Chicago, Milwaukee and St. Paul Rwy. Co.	do	58.00
	do	do	9.70
	Chicago, Rock Island and Pacific Rwy. Co.	do	39.04
	do	do	9.65
	Chicago and Northwestern Rwy. Co.	do	68.22
	New York Central and Hudson River R. R. Co.	do	29.50
	Burlington and Missouri River R. R.	do	12.95
	The Atchison, Topeka and Santa Fe Rwy. Co.	do	6.15
	Chicago, Indianapolis and Louisville Rwy. Co.	do	8.00
	Illinois Central R. R. Co.	do	12.75
	The Lake Shore and Michigan Southern Rwy. Co.	do	30.00
	Pittsburg, Cincinnati, Chicago and St. Louis Rwy. Co.	do	10.55
	The Pullman Co.	do	21.50
	Union Pacific R. R. Co.	do	51.50
	Terre Haute and Indianapolis R. R. Co.	do	30.80
	Southern Rwy. Co.	do	15.95
	Michigan Central R. R. Co.	Transportation	.51
	Metropolitan Steamship Co.	do	.99
	Philadelphia and Reading Rwy.	do	.75
	Pennsylvania R. R. Co.	do	.71
	do	do	.51
	Chicago, Rock Island and Pacific Rwy. Co.	do	10.13
	do	do	5.01
	Grand Trunk Rwy. of Canada	do	.88
	Erie R. R. Co.	do	.84
	Boston and Maine R. R. Co.	do	.25

Expenditures of the Department of Agriculture for fiscal year ending June 30, 1904—Cont'd.

BUREAU OF ANIMAL INDUSTRY, EXPENSES—Continued.

Date.	Name.	Nature of payment.	Total.
1904.			
Feb. 18	Burlington and Missouri River R. R.	Transportation	\$7.85
	The Atchison, Topeka and Santa Fe Rwy. Co.	do.	3.08
	J. H. Brigham	Traveling expenses	30.88
19	Frank W. Brewer	do.	83.21
	Toobie A. Geddes	do.	165.50
	do.	do.	31.53
	Wm. L. Hiatt	do.	64.53
	Marion Imes	do.	114.53
	Howard C. Johnson	do.	7.10
	Jas. Johnston	do.	1.25
	do.	do.	14.06
	Wm. D. Jordan	do.	57.95
	E. A. McDonald	do.	58.40
	Wm. MacKellar	do.	64.75
	Jno. A. Sloan	do.	4.40
	Ed. H. Webster	do.	34.97
	W. H. Wray	do.	20.26
	do.	Services	387.50
	Jas. Johnston	do.	127.70
	Orlando Fling	do.	10.00
	W. H. Wray	Expenses	2.36
	Rice P. Steddum	do.	17.37
20	H. D. Paxson	do.	25.00
	Phipps, Gibson & Co.	Office rent	51.09
23	Dan McCuningham	Traveling expenses	103.16
	Mallinckrodt Chemical Works	Potassium acetate	1.96
	do.	do.	8.75
	W. J. Crawford	Services	.90
	The Cutter Electric Manufacturing Co.	Slate	24.30
	E. J. Brooks & Co.	Seals	5.25
	F. P. Burnap Stationery and Printing Co.	Desks, etc.	97.45
	J. R. M. Adams	Tape	2.50
	Whitall, Tatum Co.	Asbestos	1.50
	Jno. Underwood & Co.	Ink	1.50
	Trustees of the Milk Street Trust	Office rent	75.00
	W. E. Pratt	Hog rings	109.07
	T. M. Michaels	Cabinet	32.35
	Rockwell, Barnes Co.	Blotters	1.20
	Queen & Co. (Incorporated)	Glass	6.00
24	American Ice Co.	Ice	18.38
	Geo. E. Bedell	Repairing chairs	6.25
	Church & Stephenson	Lumber	20.00
	Keasbey & Mattison Co.	do.	1.64
	Lutz & Co.	Whips	4.00
	E. Morrison Paper Co.	Cardboard	3.00
	Rudolph, West & Co.	Brads, etc.	24.74
	do.	do.	2.30
	The Geo. W. Knox Express Co.	Transportation	1.25
27	Postal Telegraph Cable Co.	Service	20.48
	Western Union Telegraph Co.	do.	40.64
Mar. 29	E. A. de Schweinitz et al.	Salaries	6,216.14
2	W. H. Baldwin	Traveling expenses	5.95
	Ch. Wardell Stiles	do.	4.80
	Clarence B. Lane	do.	7.60
	U. G. Houck	do.	80.89
	M. W. Lang	do.	53.95
	H. D. Mayne	Services	95.60
	Ed. H. Webster	do.	159.40
	B. F. Van Valkenburgh	do.	143.40
	Levi Wells	do.	143.40
	Geo. M. Whitaker	do.	119.60
	W. D. Collyer	do.	143.40
	M. W. Lang	do.	143.40
	Thos. W. Scott	Expenses	5.00
	Ed. H. Webster	do.	3.80
	Jas. S. Kelly	do.	13.50
	do.	do.	.75
	E. L. Bertram	do.	.50
	W. S. Goodhue	Office rent	50.00
3	Geo. C. Faville et al.	Salaries	278.80
	Julius Huelsen et al.	do.	688.80
	W. H. Rose et al.	do.	1,175.70
	H. A. Hedrick et al.	do.	467.00
	W. J. Kennedy	Services	100.00
	U. G. Houck	do.	143.40
	J. Geo. Smith	Penholders, etc.	50.40
	E. G. Schafer & Co.	Caps	.46
	Leo. Baum	Photos	10.00
	Leidy S. Depue	Bran, etc.	228.00

Expenditures of the Department of Agriculture for fiscal year ending June 30, 1904—Cont'd.

BUREAU OF ANIMAL INDUSTRY, EXPENSES—Continued.

Date.	Name.	Nature of payment.	Total.
1904.			
Mar. 3	Delano & Moore	Seed plates	\$14.66
	Z. D. Gilman	Zinc sulphate, etc.	13.01
	do	Needles, etc.	7.01
	Geo. F. Howard	Labels	3,250.00
4	H. Hiel Chemical Co.	Alcohol	10.50
	H. A. Hedrick	Use horse, etc.	12.00
	Gaylord Bros.	Paper	.50
	Eberhard Faber	Pencils	3.27
	Edison Electric Illuminating Co.	Electric service	3.56
	Geo. W. Butler	Use horse, etc.	30.00
	Chadwick Copying Book Co.	Books	22.00
	Bausch & Lomb Optical Co.	Squares	12.15
	E. J. Brooks & Co.	Glasses	81.50
	J. H. Bunnell & Co.	Batteries	2.40
	Brookline Gaslight Co.	Gas	.30
	Boyd Baldwin et al.	Salaries	865.80
	Eli L. Bertram et al.	do	255.20
	Nathan K. Fegley	do	248.80
	Edw. P. Dowd et al.	do	177.00
	F. W. Huntington et al.	do	151.60
	Joshua Miller et al.	do	501.49
	Chas. A. Schaulfer et al.	do	1,094.98
	Harry N. Waller et al.	do	2,933.60
	F. L. De Wolf	Expenses	.55
	Marion Dorset	do	5.69
	H. H. George	do	5.97
	Eimer & Amend	Glasses, etc.	15.04
5	Underwood Typewriter Co.	Repairing	8.00
	United States Envelope Co.	Envelopes	8.00
	The Randall-Faichney Co.	Cases, etc.	10.50
	Old Dominion Paper Co.	Books	8.64
	Miller Lock Co.	Repairing	14.45
	Library Bureau	Cards	42.65
	A. B. Morse	Expenses	.75
7	D. Cumming	Services	30.00
	Geo. W. Butler	do	111.60
	Harry F. Hume	do	57.40
	Bert Haskett	do	51.43
	C. L. Morin	do	95.60
	Hervey T. Potter	do	22.00
	F. M. Perry	do	111.60
	J. E. Troughton	do	57.40
	W. H. Wade	do	71.80
	Don C. Ayer et al.	Salaries	3,874.03
	Geo. A. Johnson et al.	do	917.63
	Rice P. Steddum et al.	do	3,042.00
	Geo. W. Pope et al.	do	388.40
	S. E. Bennett et al.	do	7,441.49
	Jas. J. Brougham et al.	do	2,031.20
	Jas. S. Kelley et al.	do	248.80
	O. E. Dyson et al.	do	9,534.20
	Virgil L. Brown et al.	do	2,641.51
	Jas. Fleming et al.	do	787.80
	W. A. Savage et al.	do	3,829.22
	F. L. De Wolf et al.	do	248.80
8	Thos. W. Scott et al.	do	183.40
	Lewis R. Baker et al.	do	3,287.10
	Edw. P. Schaffter et al.	do	806.41
	W. H. Gibbs et al.	do	153.00
	Frank Braginton et al.	do	177.00
	A. B. Morse et al.	do	177.00
	A. J. Payne	Services	127.40
	Geo. W. Ward	do	111.60
	Wm. E. Smith	do	90.00
	Jas. Hewes	do	90.00
9	H. E. Alvord	Traveling expenses	174.46
10	Boyd Baldwin	Expenses	5.12
	F. W. Bicknell	Services	250.00
	Chas. Cowie	do	88.00
	W. J. Kennedy	do	100.00
	Levi Wells	Traveling expenses	110.76
	Artemus Irving	do	6.50
	H. T. Potter	do	1.50
	C. L. Morin	do	3.80
	F. M. Perry	do	3.20
	Earl C. Cannon	do	4.50
	Jas. Hewes	do	16.00
	Robt. Darling et al.	Salaries	191.40
	Chas. Keane et al.	do	518.40



Expenditures of the Department of Agriculture for fiscal year ending June 30, 1904—Cont'd.

## BUREAU OF ANIMAL INDUSTRY, EXPENSES—Continued.

Date.	Name.	Nature of payment.	Total.
1904.			
Mar. 10	Clarence Loveberry	Salaries	\$479.40
	Levi P. Beechy et al.	do.	887.10
	Harry D. Paxson et al.	do.	1,473.00
	Geo. Ditewig et al.	do.	1,222.42
	F. D. Ketchum et al.	do.	1,101.80
	Harrison H. George et al.	do.	812.04
	L. K. Green et al.	do.	303.00
	Fredk. W. Ainsworth et al.	do.	497.40
	Henry P. Armsby et al.	do.	271.60
	Neils C. Sorensen et al.	do.	1,952.38
	Trajan A. Shipley et al.	do.	320.60
	Albert E. Behnke et al.	do.	1,158.14
	Chas. H. Zink et al.	do.	505.40
	B. P. Wende et al.	do.	2,016.80
	Wesley N. Neil et al.	do.	702.28
	Geo. S. Baker et al.	do.	400.20
	Richd. J. Blanche et al.	do.	216.56
	O. B. Hess et al.	do.	395.20
	J. B. Clancy et al.	do.	3,349.16
	M. O. Anderson et al.	do.	177.00
	W. J. Murphy et al.	do.	191.40
11	W. H. Wray	Services	362.50
	Jas. Johnston	do.	119.60
	A. D. Melvin	Traveling expenses	91.10
	Ch. Wardell Stiles	Expenses	1.80
	do.	do.	21.04
	W. H. Rose	do.	13.80
	S. E. Bennett	do.	.70
	do.	do.	1.50
	B. F. Van Valkenburgh	do.	36.45
	Clarence Loveberry	do.	12.00
	Julius Huelsen	do.	8.95
	United States Express Co.	Transportation	18.50
	W. I. Young & Co.	Butter	1,173.39
	St. Louis National Stock Yards	Office rent	50.00
	Milk Street Trust	do.	75.00
	Jno. Post	Oats, etc.	48.60
	The M. Lindsay Rubber Co.	Gloves	6.75
	Geo. E. Howard	Stamps, etc.	1,016.15
	Potomac Electric Power Co.	Electric current	67.50
	American Ice Co.	Ice	17.08
	E. L. Cushman	Chuck	3.60
	Washington Gas Light Co.	Gas	45.70
	F. D. Ketchum	Horse hire	25.00
	Jas. J. Brougham	do.	40.00
	S. E. Bennett	do.	28.00
	Clarence Loveberry	do.	50.00
	Chas. Keane	do.	25.00
	Hiram W. Hawley	do.	32.00
	Geo. E. Francis	do.	45.00
	Robt. Darling	do.	25.00
	O. E. Dyson	do.	25.00
	S. W. Burt	do.	25.00
	A. E. Behnke	do.	35.00
	Don C. Ayer	do.	15.00
	J. R. Stafford	do.	10.00
	Jno. C. Lorenzen	do.	33.75
14	Densmore Typewriter Co.	Repairing typewriter	11.50
	Delano & Moore	Films	7.00
	Harvard Laundry Co.	Service	5.03
	L. L. Lochte	Shoeing horses	9.25
	Lamb & Tilden	Stamp holder	1.50
	Littlefield, Alvord & Co.	Transportation	3.05
	do.	do.	4.00
	Rudolph, West & Co.	Hardware	10.32
	Thos. Somerville & Sons	Pipes, etc.	13.15
	E. C. Schroeder	Expenses	6.40
	W. H. Wray	do.	3.27
	A. J. Meyer	Services	65.00
	Geo. S. Baker	Traveling expenses	7.00
	W. D. Collyer	do.	79.10
	W. H. Wray	do.	6.72
	B. F. Van Valkenburgh	do.	18.59
	O. L. Leighton	do.	4.00
	M. Du Perow	Phone receiver	3.10
	Delano & Moore	Solio prints	2.67
17	Chicago, Milwaukee and St. Paul Rwy. Co.	Transportation	1.21
	Chicago and Alton Rwy. Co.	do.	.21
	Chicago, Burlington and Quincy Rwy. Co.	do.	.20

Expenditures of the Department of Agriculture for fiscal year ending June 30, 1904—Cont'd.

## BUREAU OF ANIMAL INDUSTRY, EXPENSES—Continued.

Date.	Name.	Nature of payment.	Total.
1904.			
Mar. 17	Chicago and Alton Rwy. Co.....	Transportation.....	\$0.61
	Chicago and Northwestern Rwy. Co.....	do.....	1.96
	The Chesapeake and Ohio Rwy. Co.....	Passenger transportation.....	19.25
	Chicago and Northwestern Rwy. Co.....	do.....	68.00
	Chicago, Milwaukee and St. Paul Rwy. Co.....	do.....	17.08
	U. G. Houck.....	Traveling expenses.....	77.56
	F. C. Sigrist.....	do.....	2.00
	J. F. Ryder.....	do.....	30.00
	do.....	do.....	30.00
	do.....	Services, January.....	170.30
	do.....	Services, February.....	159.40
	Toolie A. Geddes.....	do.....	199.20
18	The M. Joyce Engraving Co.....	Stamp.....	.50
	Capital Traction Co.....	Tickets.....	10.00
	Chas. A. Edmondson.....	Pans, etc.....	13.22
	Potomac Electric Power Co.....	Lamps.....	2.00
	E. G. Schafer & Co.....	Pipes, etc.....	6.54
	Star Union Line.....	Transportation.....	1.66
	Pittsburgh, Cincinnati, Chicago and St. Louis Rwy. Co.....	Passenger transportation.....	7.25
	Pennsylvania R. R. Co.....	do.....	14.25
	do.....	do.....	17.00
	Union Pacific R. R. Co.....	do.....	55.35
	White Star Line.....	do.....	60.00
	W. D. McArthur.....	Services.....	240.00
	G. W. Pope.....	Expenses.....	12.80
	R. P. Steddom.....	do.....	19.61
	G. W. Pope.....	Traveling expenses.....	4.56
	D. R. Alton.....	do.....	3.25
	Illinois Central R. R. Co.....	Transportation.....	1.62
21	Eimer & Amend.....	Brushes, etc.....	48.96
	The American Distribution Co.....	Alcohol.....	68.34
	Bausch & Lomb Optical Co.....	Forceps, etc.....	6.46
	Transit House Stores.....	Coal.....	23.00
	A. Stephenson & Co.....	Chair.....	3.50
	Yawman & Erb Manufacturing Co.....	Cases.....	8.00
	Arthur H. Thomas Co.....	Jars, etc.....	7.07
	Phillip Lindemeyer.....	Paper.....	.48
	Jno. Underwood & Co.....	do.....	13.50
	Eberhard Faber.....	Bands.....	5.52
	Rockwell-Barnes Co.....	Ink.....	2.25
	Rand, McNally & Co.....	Eradicator.....	1.25
	The Randall Faichney Co.....	Needles, etc.....	12.13
	do.....	do.....	6.91
	Queen & Co. (Incorporated).....	Cylinder.....	6.00
	R. J. O'Brien Bros. Co.....	Hay, etc.....	48.66
	Old Dominion Paper Co.....	Books.....	17.28
	Library Bureau.....	Guides.....	2.69
	do.....	do.....	24.58
	Toolie A. Geddes.....	Traveling expenses.....	17.59
	S. C. Shale.....	do.....	7.00
	Geo. W. Pope.....	do.....	11.78
	A. W. Bosworth.....	Services.....	75.00
	E. A. McDonald.....	do.....	80.00
22	Lamb & Tilden.....	Rack.....	.65
	L. S. Depue.....	Corn and oats.....	780.00
	R. Carter Ballantyne.....	Erasers, etc.....	23.54
23	Frank Hoswell.....	Services.....	15.83
24	Barber & Ross.....	Files.....	3.85
	do.....	Wheels.....	41.79
	Mallenckrodt Chemical Works.....	Alum, etc.....	5.06
	Mackall Bros.....	Vials, etc.....	189.93
26	R. V. R. Post.....	Lime, etc.....	12.50
	Doremus & Snyder.....	Pipe, etc.....	20.99
	Orlando Fling.....	Traveling expenses.....	12.90
	do.....	Services.....	25.00
29	Southern Rwy. Co.....	Passenger transportation.....	31.56
	Pennsylvania R. R. Co.....	do.....	6.50
	The Pullman Co.....	do.....	2.00
	New York Central and Hudson River R. R. Co.....	do.....	4.58
	New York, New Haven and Hartford R. R. Co.....	do.....	5.00
	The Missouri Pacific Rwy. Co.....	do.....	16.50
	Louisville and Nashville R. R. Co.....	do.....	3.50
	The Chicago, Burlington and Quincy Rwy. Co.....	do.....	10.85
	D. E. Salmon.....	Traveling expenses.....	18.35
31	Geo. E. Bedell.....	Repairing chairs.....	13.75
	Leidy S. Depue.....	Oats.....	45.00
	do.....	Meal.....	48.00

Expenditures of the Department of Agriculture for fiscal year ending June 30, 1904—Cont'd.

## BUREAU OF ANIMAL INDUSTRY, EXPENSES—Continued.

Date.	Name.	Nature of payment.	Total.
1904.			
Mar. 31	Underwood Typewriter Co.....	Cleaning typewriter.....	\$12.00
	W. S. Goodhue.....	Office rent.....	50.00
	Jno. S. Martin & Co.....	do.....	126.00
	Geo. P. McCabe et al.....	Salaries.....	6,458.30
	Total third quarter.....		299,843.66
Apr. 4	A. B. Hollis.....	Traveling expenses.....	2.60
	O. E. G. Olmsted.....	do.....	2.00
	Robt. Billsborough.....	Services.....	3.38
	W. D. Collyer.....	do.....	153.30
	M. W. Lang.....	do.....	153.30
	B. F. Van Valkenburgh.....	do.....	153.30
	Levi Wells.....	do.....	153.30
	Geo. M. Whitaker.....	do.....	127.70
5	S. E. Bennett et al.....	Salaries.....	7,570.52
	Geo. W. Pope et al.....	do.....	359.50
	W. H. Rose et al.....	do.....	1,255.90
	Julius Huelsen et al.....	do.....	735.60
	H. A. Hedrick et al.....	do.....	499.00
	Robt. Billsborough.....	Services.....	3.00
6	Jas. Stikeman.....	Office rent.....	125.00
	Marion Dorset.....	Expenses.....	19.13
	E. C. Schroeder.....	do.....	8.28
	H. D. Mayne.....	Service.....	102.20
	U. G. Houck.....	do.....	153.30
7	H. D. Mayne.....	Traveling expenses.....	12.95
	N. C. Sorensen.....	Expenses.....	12.08
	Harry N. Waller.....	do.....	16.00
	F. W. Bicknell.....	Services.....	250.00
	J. F. Ryder.....	do.....	170.30
	Harry F. Hume.....	do.....	61.30
	D. Cumming.....	do.....	20.00
	W. H. Wade.....	do.....	76.60
	W. J. Kennedy.....	do.....	100.00
	F. M. Perry.....	do.....	119.20
	C. L. Morin.....	do.....	102.20
	Henry P. Armsby et al.....	Salaries.....	251.70
	Chas. A. Schaufler et al.....	do.....	1,180.50
	F. W. Huntington et al.....	do.....	162.20
	Harry N. Waller et al.....	do.....	3,221.10
	Nathan K. Fegley et al.....	do.....	265.60
	Geo. C. Faville et al.....	do.....	298.10
	E. P. Schaufler et al.....	do.....	861.55
	Geo. Ditewig et al.....	do.....	1,297.50
8	Albert E. Behnke et al.....	do.....	1,161.02
	H. H. George et al.....	do.....	873.60
	Boyd Baldwin et al.....	do.....	924.60
	EH L. Bertram et al.....	do.....	272.40
	F. D. Ketchum et al.....	do.....	1,181.70
	Geo. A. Johnson et al.....	do.....	956.90
9	Lewis R. Baker et al.....	do.....	3,539.43
	Harry D. Paxson et al.....	do.....	1,370.80
	Virgil L. Brown et al.....	do.....	2,905.72
	Jas. Fleming et al.....	do.....	841.10
	Trajan A. Shipley et al.....	do.....	342.20
	Fredk. Braginton et al.....	do.....	189.00
	B. P. Wende et al.....	do.....	2,189.73
	M. O. Anderson et al.....	do.....	189.00
	W. H. Gibbs et al.....	do.....	163.50
	Arthur B. Morse et al.....	do.....	189.00
	Chas. H. Zink et al.....	do.....	539.80
	Harvey Q. Thompson et al.....	do.....	2,373.70
	L. K. Green et al.....	do.....	328.50
	Rice P. Steddorn et al.....	do.....	875.30
	O. E. Dyson et al.....	do.....	10,185.37
	Wilber J. Murphy et al.....	do.....	204.20
	J. B. Clancy et al.....	do.....	3,486.06
	W. A. Savage et al.....	do.....	2,825.94
	D. C. Ayer et al.....	do.....	4,139.60
	S. E. Bennett.....	Horse hire.....	28.00
	Robt. Darling.....	do.....	25.00
	Jas. J. Brougham.....	do.....	40.00
	Geo. E. Howard.....	Stamps.....	340.20
	Jno. C. Parker.....	Scratch books, etc.....	91.29
	Jas. Hewes.....	Services.....	90.00
	Jno. A. Bell.....	do.....	16.00
	Chas. Thom.....	do.....	60.48
	Chas. Cowie.....	do.....	104.00



Expenditures of the Department of Agriculture for fiscal year ending June 30, 1904—Cont'd.

## BUREAU OF ANIMAL INDUSTRY, EXPENSES—Continued.

Date.	Name.	Nature of payment.	Total.
1904.			
Apr. 9	Geo. W. Ward.....	Services.....	\$119.20
	Albert W. Bosworth.....	do.....	75.00
	Wm. E. Smith.....	do.....	90.00
	A. J. Meyer.....	do.....	65.00
	Geo. W. Butler.....	do.....	119.20
	Albert J. Payne.....	do.....	136.30
	F. L. Russell.....	do.....	72.00
	Geo. A. Johnson.....	do.....	4.25
	Thos. W. Scott.....	Expenses.....	3.00
	B. P. Wende.....	do.....	135.00
	do.....	do.....	1.40
	F. L. De Wolf.....	do.....	.67
	Clarence Loveberry.....	do.....	24.25
	N. Rufus Gill.....	Office rent.....	31.25
	The Sioux City Stock Yards Co.....	do.....	60.00
	Wichita Union Stock Yards Co.....	do.....	20.00
	Grand Trunk Rwy. System.....	do.....	37.50
	Belt R. R. and Stock Yards Co.....	do.....	30.00
	T. F. Rogers, agent.....	do.....	52.50
	H. J. Harwood.....	do.....	62.50
	The Cincinnati Union Stock Yards Co.....	do.....	45.00
	St. Louis National Stock Yards Co.....	do.....	50.00
	East Buffalo Live Stock Exchange Co.....	do.....	90.00
	Trustees Milk Street Trust.....	do.....	75.00
	do.....	do.....	81.25
	Washington Gaslight Co.....	Gas.....	42.20
	E. H. Catlin & Co.....	Spindles.....	2.40
	A. E. Behnke.....	Horse hire.....	35.00
	C. L. Morin.....	Traveling expenses.....	3.55
	Edw. K. Ward.....	do.....	4.40
11	Chesapeake and Potomac Telephone Co.....	Service.....	9.60
	Iowa Telephone Co.....	do.....	12.00
	Henry Heil Chemical Co.....	Alcohol.....	7.00
	Daniel Gallagher.....	Typewriter desk.....	7.90
	Electro-Tint Engraving Co.....	Illustrations.....	60.00
	Edison Electric Illuminating Co.....	Electric light.....	3.19
	Cornell University.....	Butter.....	7.83
	Bay State Clean Towel Co.....	Service.....	3.75
	Brookline Gaslight Co.....	Gas.....	.30
	E. J. Brooks & Co.....	Seals.....	42.00
	J. Bishop & Co.....	Wire.....	2.35
	American Tag Co.....	Fasteners.....	16.00
	E. A. McDonald.....	Services.....	112.00
	Maggie Taylor.....	do.....	4.95
	Chas. Keane et al.....	Salaries.....	553.30
	F. L. De Wolf et al.....	do.....	265.60
	Edw. P. Dowd et al.....	do.....	189.00
	Robt. Darling et al.....	do.....	204.30
	Jas. S. Kelly et al.....	do.....	265.60
	Joshua Miller et al.....	do.....	548.30
	Weslie N. Neil et al.....	do.....	844.08
	Thos. W. Scott et al.....	do.....	195.80
	Fredk. W. Ainsworth et al.....	do.....	531.30
	Richd. J. Blanche et al.....	do.....	253.29
	Neils C. Sorensen et al.....	do.....	2,300.90
	Clarence Loveberry et al.....	do.....	471.78
	Geo. S. Baker et al.....	do.....	427.40
	Jas. J. Brougham et al.....	do.....	2,169.40
	Levi P. Beachy et al.....	do.....	905.26
	O. B. Hess et al.....	do.....	422.40
12	The Sacramento Union.....	Advertising.....	3.67
	United States Envelope Co.....	Envelopes.....	92.70
	Phillip Lindemeyer.....	Paper.....	.48
	Maryland Telephone and Telegraph Co.....	Service.....	12.00
	New England Telephone and Telegraph Co.....	do.....	52.50
	do.....	do.....	12.50
	do.....	do.....	4.50
	R. J. O'Brien & Bros. Co.....	Oats, etc.....	48.44
	W. E. Pratt.....	Hog rings.....	96.25
	Queen & Co. (Incorporated).....	Lead acetate.....	.66
	Chadwick Copying Book Co.....	Books.....	46.00
13	American Ice Co.....	Ice.....	22.10
	St. Joseph Stock Yards Co.....	Office rent.....	135.00
	Emma J. Adams et al.....	do.....	120.00
	Bourbon Stock Yards Co.....	do.....	20.00
	Union Stock Yards and Transit Co.....	do.....	375.00
14	Z. D. Gilman.....	Syringe barrels.....	73.70
	Forsberg & Murray.....	Grate bars.....	21.38
	Woodward & Lothrop.....	Desk, etc.....	83.27

Expenditures of the Department of Agriculture for fiscal year ending June 30, 1904—Cont'd.

BUREAU OF ANIMAL INDUSTRY, EXPENSES—Continued.

Date.	Name.	Nature of payment.	Total.
1904.			
Apr. 14	W. B. Moses & Sons .....	Mirrors .....	\$2.00
	Remington Typewriter Co. ....	Repairing typewriter .....	112.50
	Rudolph, West & Co. ....	Nails, etc. ....	4.97
	Littlefield, Alvord & Co. ....	Transportation .....	.60
15	Louis Smith .....	Services .....	5.00
	Jno. Caldwell .....	do .....	12.00
18	Postal Telegraph Cable Co. ....	Service .....	13.12
	N. H. Shea .....	Soapine .....	1.92
	Thos. Somerville & Sons .....	Packing, etc .....	5.90
	Fred A. Schmidt .....	Ruling pens .....	1.88
	Rex Sanitary Appliance Co. ....	Disinfectors .....	8.40
	D. Frank Parker .....	Silk .....	12.00
	E. S. Newman .....	Paper .....	2.25
	The M. Joyce Engraving Co. ....	Signatures .....	1.00
	Harvard Laundry Co. ....	Service .....	5.61
	L. S. Depue .....	Bran, etc. ....	69.00
	Western Union Telegraph Co. ....	Service .....	6.08
19	W. H. Wray .....	Services .....	387.50
	Tooie A. Geddes .....	do .....	212.90
	Jas. Johnson .....	do .....	127.70
	H. T. Potter .....	do .....	17.00
	Nebraska Telephone Co. ....	Service .....	13.50
	Chicago Telephone Co. ....	do .....	7.50
	do .....	do .....	43.75
	New Telephone Co. ....	do .....	20.00
	Missouri and Kansas Telephone Co. ....	do .....	12.50
	do .....	do .....	25.50
	New York and New Jersey Telephone Co. ....	do .....	35.10
	The Bell Telephone Co. ....	do .....	40.00
	Frontier Towel Supply Co. ....	do .....	17.55
	Chicago Towel Supply Co. ....	do .....	83.50
	Fowler Manufacturing Co. (Limited) .....	do .....	5.09
	Silver Laundry and Towel Co. ....	do .....	3.88
	Armstrong Laundry Co. ....	do .....	1.17
	Independent Stock Yards Co. ....	Rent .....	62.50
	Pittsburgh Union Stock Yards Co. ....	do .....	45.00
	Kansas City Stock Yards Co. ....	do .....	66.00
	do .....	do .....	66.00
	Gahan & Byrne .....	do .....	675.00
	Clarence Loveberry .....	Horse hire .....	50.00
	Geo. E. Francis .....	do .....	45.00
	F. D. Ketchum .....	do .....	25.00
	Chas. Keane .....	do .....	25.00
	Geo. W. Butler .....	do .....	30.00
	J. K. Stafford .....	do .....	10.00
	Chas. A. Schaufier .....	do .....	105.00
	Don C. Ayers .....	do .....	15.00
	Jno. C. Lorenzen .....	do .....	35.10
	S. W. Burt .....	do .....	25.00
	O. E. Dyson .....	do .....	25.00
	H. W. Hawley .....	do .....	32.00
	Harry M. Ball .....	Traveling expenses .....	12.65
	M. W. Lang .....	do .....	136.53
	E. A. McDonald .....	do .....	88.90
	do .....	do .....	18.45
	Tooie A. Geddes .....	do .....	76.49
	J. F. Ryder .....	do .....	17.07
	Geo. W. Pope .....	do .....	18.62
	Jos. M. Turner .....	do .....	7.45
	B. F. Van Valkenburgh .....	do .....	20.53
	Jas. Johnston .....	do .....	.72
	A. D. Melvin .....	do .....	116.40
	J. P. O'Leary .....	do .....	6.10
	F. M. Perry .....	do .....	13.20
	H. T. Potter .....	do .....	6.25
	R. H. Treacy .....	Expenses .....	19.30
	B. F. Van Valkenburgh .....	do .....	29.16
	Boyd Baldwin .....	do .....	5.12
	H. A. Hedrick .....	do .....	12.40
	Geo. C. Paville .....	do .....	17.65
	Nathan K. Fegley .....	do .....	6.10
	Albert J. Payne .....	do .....	1.20
	Tooie A. Geddes .....	do .....	4.19
	do .....	do .....	9.03
	W. H. Rose .....	do .....	12.75
	Julius Huelsen .....	do .....	12.04
	Geo. Ditewig .....	do .....	33.14
	Jas. J. Brougham .....	do .....	17.80
	Fredk. Brougham .....	do .....	1.70

Expenditures of the Department of Agriculture for fiscal year ending June 30, 1904—Cont'd.

## BUREAU OF ANIMAL INDUSTRY, EXPENSES—Continued.

Date.	Name.	Nature of payment.	Total.
1904.			
Apr. 19	Albert C. Behnke.....	Expenses.....	\$19.21
	Fred J. Goebel.....	do.....	7.90
	H. H. George.....	do.....	19.19
	Chas. Keane.....	do.....	9.30
	Hiram Jerome.....	do.....	10.15
	Joshua Miller.....	do.....	17.24
	Cutler & Neilson Paint and Color Co.....	Paint, etc.....	12.40
	The Consumers Co.....	Ice.....	23.80
	do.....	Water.....	1.50
	Duff & Repp Furniture Co.....	Window shades.....	3.20
	Library Bureau.....	Cards.....	10.69
	L. Le Roy Lochte.....	Shoeing horses.....	16.00
	Chas. Hubinger.....	Gasolene.....	15.61
	do.....	Wrench, etc.....	6.47
	Henry Heil Chemical Co.....	Acid, chromic, etc.....	4.40
	Whitall Tatum Co.....	Handles.....	1.68
	Thacher & Ireland.....	Paint.....	4.20
	Union Envelope Co.....	Envelopes.....	13.20
	do.....	do.....	78.54
	Rockwell-Wabash Co.....	Files.....	.76
	Rock Co.....	Stamps, etc.....	3.00
	Stockyard Hardware and Paint Co.....	Paper, etc.....	3.50
	Glynn & Smith.....	Transportation.....	5.00
	G. S. Stott.....	Mucilage.....	9.80
	Queen & Co. (Incorporated).....	Paraffin.....	7.52
	Miller Lock Co.....	Padlocks.....	14.00
	Mendenhall Transportation Co.....	Storage.....	6.00
	do.....	Stamps.....	14.10
	Bausch & Lomb Optical Co.....	Paraffin.....	97.07
	Combe Printing Co.....	Files, etc.....	2.00
	W. I. Young & Co.....	Butter.....	673.50
20	S. E. Bennett.....	Expenses.....	1.35
	Rice P. Steddum.....	do.....	19.19
	W. H. Wray.....	do.....	23.31
	H. H. Hicks.....	Traveling expenses.....	37.10
	Chas. W. Pagle, jr.....	do.....	2.25
	Chas. M. Day.....	do.....	34.10
	Orlando Fling.....	do.....	4.50
	W. H. Wray.....	do.....	8.54
	U. G. Houck.....	do.....	71.43
	W. N. D. Bird.....	do.....	5.10
	G. W. Ward.....	do.....	3.70
	Geo. S. Baker.....	do.....	9.20
	L. K. Green.....	do.....	5.53
	Jas. Johnston.....	do.....	1.00
	Jas. Hewes.....	do.....	167.05
	Pere Marquette R. R. Co.....	Passenger transportation.....	2.27
	Cleveland, Cincinnati, Chicago and St. Louis Rwy. Co.....	do.....	19.00
	do.....	do.....	6.60
	The Atchison, Topeka and Santa Fe Rwy. Co.....	do.....	31.15
	Central Vermont Rwy. Co.....	do.....	8.60
	The Wabash R. R. Co.....	do.....	7.50
	Southern Rwy. Co.....	do.....	65.80
	The Cunard Steamship Co.....	do.....	90.00
	Leidy S. Depue.....	Oats, etc.....	3.03
	Geo. C. Howard.....	Envelopes.....	10.75
	Dulin & Martin Co.....	Bucket.....	1.00
	Potomac Electric Power Co.....	Electric current.....	66.50
	New York Telephone Co.....	Office rent.....	27.95
	New York and New Jersey Telephone Co.....	Service.....	7.75
	Weehawken Stock Yard Co.....	do.....	9.15
	Carter Rice & Co.....	Paper.....	29.16
	H. A. Hedrick.....	Horse hire.....	20.00
	New York, New Haven and Hartford Co.....	Transportation.....	.25
	do.....	do.....	1.74
	New York Central and Hudson River R. R. Co.....	do.....	1.57
	Chicago and Northwestern Rwy. Co.....	do.....	3.28
	Wabash R. R. Co.....	do.....	.87
	Houston and Texas Central R. R. Co.....	do.....	1.62
	Erie R. R. Co.....	do.....	.75
	Chicago, St. Paul, Minneapolis and Omaha Rwy. Co.....	do.....	.85
	Chesapeake and Ohio Rwy. Co.....	do.....	.69
21	Clark & Davenport.....	Carpent.....	83.49
	F. W. Ainsworth.....	Expenses.....	7.30
	O. E. Dyson.....	do.....	20.31
	Chas. A. Schaufer.....	do.....	45.95



Expenditures of the Department of Agriculture for fiscal year ending June 30, 1904—Cont'd.

BUREAU OF ANIMAL INDUSTRY, EXPENSES—Continued.

Date.	Name.	Nature of payment.	Total.
1904.			
Apr. 21	L. K. Green.....	Expenses.....	\$3.15
	T. A. Shipley.....	do.....	10.75
	Edw. K. Ward.....	Traveling expenses.....	4.20
	O. B. Hess.....	do.....	11.10
22	Chas. Cowie.....	do.....	12.25
	A. G. G. Richardson.....	do.....	62.94
	Orlando Fling.....	Services.....	20.00
	Chicago, Rock Island and Pacific Rwy. Co.....	Transportation.....	1.53
	Chicago, Rock Island and Gulf Rwy. Co.....	Passenger transportation.....	14.50
	Missouri Tent and Awning Co.....	Services.....	6.00
23	The Randall Faichney Co.....	Thermometers.....	30.63
	Campbell, Morrell & Co.....	Seeds.....	7.34
	R. P. Coady.....	Repairing desk.....	24.50
	Doremus & Snyder.....	Wheels, etc.....	42.36
	B. P. Wende.....	Traveling expenses.....	4.10
	Wm. E. Smith.....	do.....	9.90
	W. C. Wootten.....	do.....	1.80
	Herman R. Ryder.....	do.....	5.35
	W. D. Collyer.....	do.....	48.10
	Levi Wells.....	do.....	143.55
	F. L. Russell.....	do.....	26.10
	E. L. Volgenau.....	do.....	6.15
	A. J. Smith.....	do.....	74.00
25	Wm. H. Rupp Co.....	Files, etc.....	3.80
	Francis Miller.....	Glass.....	18.66
	The Chesapeake and Potomac Telephone Co.....	Service.....	117.75
	W. J. Brooks.....	Traces.....	4.90
27	E. J. Brooks & Co.....	Car seals.....	35.00
	Mallinckrodt Chemical Works.....	Permanganate.....	.24
	do.....	Potassium acetate.....	8.75
	United States Envelope Co.....	Envelopes.....	9.40
	Jno. Post.....	Oats and bran.....	39.50
	Jno. L. Boland Book and Stationery Co.....	Letter press.....	8.00
	J. M. Nicholas.....	Copying bath, etc.....	9.00
	Remington Typewriter Co.....	Paper.....	23.40
	National Electrical Supply Co.....	Repairing motor.....	2.50
	Leidy S. Depue.....	Meals, etc.....	69.00
	R. P. Andrews & Co.....	Paste and clips.....	9.70
	Robt. H. Carter.....	Services.....	15.82
	J. B. Clancy.....	Expenses.....	21.32
	do.....	do.....	24.00
	D. R. Alton.....	Traveling expenses.....	2.05
	Geo. W. Knox Express Co.....	Transportation.....	.37
	Chas. Lentz Sons.....	Sharpening knives.....	1.25
28	Chicago, Milwaukee and St. Paul Rwy. Co.....	Passenger transportation.....	38.50
	do.....	do.....	10.55
	Clark & Davenport.....	Carpets.....	6.84
30	F. W. Bicknell.....	Services.....	250.00
	Jno. Caldwell.....	do.....	39.00
	Wm. L. Phillips.....	do.....	3.00
	Louis Smith.....	do.....	5.00
	Geo. P. McCabe et al.....	Salaries.....	6,012.50
May 2	Jos. S. Keane.....	Traveling expenses.....	4.40
	M. W. Lang.....	Services.....	148.30
	W. D. Collyer.....	do.....	148.30
	Levi Wells.....	do.....	148.30
	B. F. Van Valkenburgh.....	do.....	148.30
	G. M. Whitaker.....	do.....	123.60
	C. Wardell Stiles.....	Expenses.....	1.10
	C. Wardell Stiles.....	Services.....	148.30
3	A. G. Houck.....	do.....	148.30
	A. L. Pitney.....	do.....	75.00
	A. W. Bosworth.....	do.....	75.00
	Chas. Thom.....	do.....	75.00
	D. E. Salmon.....	Traveling expenses.....	15.00
4	Sunset Telephone and Telegraph Co.....	Services.....	10.50
	The Randall Faichney Co.....	Needles.....	6.00
	New York Telephone Co.....	Service.....	28.80
6	Geo. E. Howard.....	Meat labels.....	1,625.00
	do.....	Stamps.....	414.10
	Remington Typewriter Co.....	Paper.....	18.70
	W. S. Goodhue.....	Rent.....	50.00
7	O. E. Dyson et al.....	Salaries.....	9,735.87
	Saml. E. Bennett et al.....	do.....	7,393.87
	Louis R. Baker et al.....	do.....	3,542.23
	Harry N. Waller et al.....	do.....	3,111.50
	Willard S. Savage et al.....	do.....	3,019.24
	Harry Q. Tompson et al.....	do.....	2,303.44
	B. P. Wende et al.....	do.....	2,094.70
	W. H. Rose et al.....	do.....	1,215.65

Expenditures of the Department of Agriculture for fiscal year ending June 30, 1904—Cont'd.

## BUREAU OF ANIMAL INDUSTRY, EXPENSES—Continued.

Date.	Name.	Nature of payment.	Total.
1904.			
May 7	Chas. A. Schaufer et al.	Salaries	\$1,215.00
	Geo. Ditewig et al.	do	1,213.78
	Albert E. Behnke et al.	do	1,169.28
	Wesley N. Nell et al.	do	860.40
	Boyd Baldwin et al.	do	855.48
	T. W. Carachan et al.	do	845.74
	E. P. Schaffter et al.	do	833.90
	Julius Heulsen et al.	do	712.10
	Joshua Miller et al.	do	530.70
	H. A. Hedrick et al.	do	482.90
	Geo. W. Pope et al.	do	461.99
	T. A. Shipley et al.	do	331.30
	Geo. C. Faville et al.	do	288.50
	EH L. Bertram et al.	do	263.80
	Richd. J. Blanche et al.	do	257.10
	Nathan K. Fegley et al.	do	257.10
	F. L. De Wolf et al.	do	257.10
	Wilbur J. Murphy et al.	do	197.80
	Thos. W. Scott et al.	do	189.60
	Edw. P. Dowd et al.	do	182.90
	F. W. Huntington et al.	do	152.90
	Rice P. Steddum	Services	148.30
	Albert J. Payne	do	131.90
	Geo. W. Butler	do	115.40
	W. J. Kennedy	do	100.00
	F. M. Perry	do	115.40
	H. D. Mayne	do	98.90
	C. L. Morin	do	98.90
	Jas. W. Hewes	do	90.00
	W. H. Wade	do	74.20
	Henry F. Hume	do	59.30
	H. T. Potter	do	25.00
	John W. Kaull	do	13.19
	A. B. Morse	Expenses	20.00
	Marion Dorset	do	11.40
	Boyd Baldwin	do	5.12
	C. L. Morin	Traveling expenses	8.05
10	R. P. Steddum	do	33.77
	Jno. R. Mohler	Expenses	6.00
	do	do	20.00
11	D. C. Ayer et al.	Salaries	4,088.31
	F. W. Ainsworth et al.	do	512.26
	H. P. Armsby et al.	do	186.60
	M. O. Anderson et al.	do	182.90
	V. L. Brown et al.	do	2,809.24
	Jas. J. Brougham et al.	do	2,137.58
	Geo. S. Baker et al.	do	474.68
	L. P. Beechy et al.	do	388.20
	Fredk. Braginton et al.	do	192.80
	J. B. Clancy et al.	do	3,199.51
	Robt. Darling et al.	do	197.80
	Jas. Fleming et al.	do	754.90
	H. H. George et al.	do	929.69
	L. K. Green et al.	do	313.20
	W. H. Gibbs et al.	do	158.20
	O. B. Hess et al.	do	442.37
	Geo. A. Johnson et al.	do	958.05
	F. D. Ketchum et al.	do	1,143.90
	Chas. Keane et al.	do	535.80
	Jas. S. Kelly et al.	do	257.10
	Clarence Loveberry et al.	do	436.90
	A. B. Morse et al.	do	182.90
	H. D. Paxson et al.	do	1,374.40
	N. C. Sorensen et al.	do	2,153.90
	Chas. H. Zink et al.	do	537.40
	Chas. Cowie	Services	64.00
	D. Cumming	do	55.00
	A. C. Hart	do	42.31
	E. S. Mayhew	do	29.67
	E. A. McDonald	do	80.00
	A. B. O'Brien	do	26.37
	W. E. Smith	do	90.00
	G. W. Ward	do	115.40
	Geo. W. Pope	Expenses	12.49
	Clarence Loveberry	do	18.15
	R. P. Steddum	do	2.00
	do	Traveling expenses	3.09
	H. D. Mayne	do	10.75
	H. T. Potter	do	4.25

*Expenditures of the Department of Agriculture for fiscal year ending June 30, 1904—Cont'd.*

BUREAU OF ANIMAL INDUSTRY, EXPENSES—Continued.

Date.	Name.	Nature of payment.	Total.
1904.			
May 11	H. H. George.....	Traveling expenses.....	\$2.61
	.....do.....	Expenses.....	5.34
	B. R. Rogers.....	Traveling expenses.....	3.25
	St. Louis National Stock Yards.....	Office rent.....	50.00
	J. R. Stafford.....	Use horse, etc.....	10.00
	Chas. Keane.....	.....do.....	25.00
12	J. J. Brougham.....	.....do.....	40.00
	Geo. W. Butler.....	.....do.....	30.00
	A. E. Behnke.....	.....do.....	35.00
	Robt. Darling.....	.....do.....	25.00
	G. E. Francis.....	.....do.....	45.00
	F. D. Ketchum.....	.....do.....	25.00
	Clarence Loveberry.....	.....do.....	50.00
	Don C. Ayer.....	.....do.....	15.00
	S. E. Bennett.....	.....do.....	28.00
	Eimer & Amend.....	Chemicals.....	32.43
	F. P. Burnap Stationery and Printing Co.....	Desk chairs.....	29.00
	Chadwick Copying Book Co.....	Books.....	27.60
	L. L. Lochte.....	Labor.....	12.50
	The Hub Envelope Manufacturing Co.....	Cartons.....	4.00
	Jno. E. Shore.....	Labor.....	3.00
	Queen & Co. (Incorporated).....	Alcohol squibs.....	2.63
	Harper, Lewis & Co.....	Twine.....	2.10
	Edison Electric Illuminating Co.....	Current.....	1.81
	A. J. Meyer.....	Services.....	65.00
	Daisy Stewart.....	.....do.....	28.02
	Julius Huelsen.....	Expenses.....	7.55
	Bernhard P. Wende.....	.....do.....	8.45
	T. L. Armstrong.....	Traveling expenses.....	14.50
	W. D. Collyer.....	.....do.....	43.56
	Chas. M. Day.....	.....do.....	98.50
	M. W. Lang.....	.....do.....	129.17
	F. M. Perry.....	.....do.....	9.10
	Geo. W. Pope.....	.....do.....	25.76
	B. F. Van Valkenburgh.....	.....do.....	28.67
	G. W. Ward.....	.....do.....	7.25
	Levi Wells.....	.....do.....	84.84
13	F. W. Bicknell.....	.....do.....	77.05
	U. G. Houck.....	.....do.....	86.03
	Hugh Reily.....	Glue.....	7.50
	Z. D. Gilman.....	Chemicals, etc.....	7.59
	E. S. Schmid.....	Crows.....	2.00
	Fred. A. Schmidt.....	Wax.....	.75
	Washington Gas Light Co.....	Gas.....	39.80
	Potomac Electric Power Co.....	Current.....	65.49
	Barber & Ross.....	Thermometers.....	4.99
	Western Union Telegraph Co.....	Service.....	36.82
14	Jno. Caldwell.....	Services.....	36.00
16	Tooe A. Geddes.....	.....do.....	206.00
	Jas. Johnston.....	.....do.....	123.60
	F. L. Russell.....	.....do.....	88.00
	W. H. Wray.....	.....do.....	375.00
	.....do.....	Traveling expenses.....	6.39
	W. H. Wray.....	Expenses.....	2.12
	W. H. Rose.....	Traveling expenses.....	19.80
	Geo. S. Baker.....	.....do.....	9.30
	Chas. Cowie.....	.....do.....	4.86
	J. Wm. Fink.....	.....do.....	17.30
	A. D. Melvin.....	.....do.....	85.10
	E. A. McDonald.....	.....do.....	32.45
	J. O. F. Price.....	.....do.....	5.80
	Phibbs, Gibson & Co.....	Rent.....	51.09
	Ga-Stimson Furniture and Carpet Co.....	Chairs, etc.....	49.00
	Jno. C. Lorenzen.....	Hire horse, etc.....	35.10
	H. W. Hawley.....	.....do.....	32.00
	S. W. Burt.....	.....do.....	25.00
	O. E. Dyson.....	.....do.....	25.00
	Yawman & Erb Manufacturing Co.....	Card cabinet.....	2.75
	Mallinckrodt Chemical Works.....	Chemicals.....	.44
	Louis Smith.....	Services.....	5.00
18	H. E. Alvord.....	Expenses.....	28.20
	J. F. Ryder.....	.....do.....	18.08
	E. C. Schroeder.....	.....do.....	7.55
	Jas. Johnston.....	Traveling expenses.....	85.78
	F. L. Russell.....	.....do.....	85.55
	Hibbard Spencer, Bartlett & Co.....	Clippers.....	4.80
	The Fred Macey Co. (Limited).....	Cards.....	1.00
	Passaic Feed Co.....	Hay.....	19.86
	Stock Yard Hardware and Paint Co.....	Knives.....	1.40



Expenditures of the Department of Agriculture for fiscal year ending June 30, 1904—Cont'd.

## BUREAU OF ANIMAL INDUSTRY, EXPENSES—Continued.

Date.	Name.	Nature of payment.	Total.
-1904.			
May 18	Trustees Milk Street Trust.....	Rent.....	\$75.00
	St. Louis and San Francisco R. R. Co.....	Passenger transportation.....	21.05
	The Lake Shore and Michigan Southern R. R. Co.....	do.....	26.75
	The Atchinson, Topeka, Santa Fe Ry. Co....	do.....	6.15
	Atlantic Coast Line R. R. Co.....	do.....	9.00
	Chicago and Northwestern Rwy. Co.....	do.....	6.75
	The Kansas City Southern Rwy. Co.....	do.....	9.15
	Pittsburg, Cincinnati, Chicago and St. Louis R. R. Co.....	do.....	20.00
	The Yazoo and Mississippi Valley R. R. Co..	do.....	14.05
	Chicago, Burlington and Quincy Rwy. Co....	do.....	7.75
	do.....	do.....	.86
	Chicago, Rock Island and Pacific Rwy. Co....	do.....	1.26
	New York, New Haven and Hartford R. R. Co.....	do.....	3.60
	Pennsylvania R. R. Co.....	do.....	.86
19	Brookline Gas Light Co.....	do.....	.70
	Chas. M. Corbett.....	do.....	5.25
20	Orlando Fling.....	Services.....	25.00
	Geo. M. Whitaker.....	Traveling expenses.....	40.01
	Chas. M. Day.....	do.....	34.75
	Simpson McIntire & Co.....	Butter.....	4.80
	Queen & Co. (Incorporated).....	Alcohol.....	9.60
	Mackall Bros.....	Chemicals.....	10.63
	E. J. Brooks & Co.....	Seals.....	8.75
	Bausch & Lomb Optical Co.....	Paper, etc.....	1.08
	Eimer & Amend.....	Test tubes.....	24.90
	Library Bureau.....	Cards.....	5.70
	W. B. Moses & Sons.....	Chairs.....	5.95
	E. Morrison Paper Co.....	Labels.....	2.50
	Southern Printers' Supply Co.....	Prints.....	4.60
	R. P. Andrews & Co.....	Envelopes.....	75.90
	Chadwick Copying Book Co.....	Books.....	11.04
	Dulin & Martin Co.....	Knives.....	3.26
	L. S. Depue.....	Meal, etc.....	69.00
	Geo. E. Howard.....	Envelopes.....	10.75
	F. L. Nichols.....	Apparatus.....	12.00
	The Rudolph Paper Box Co.....	Cases.....	12.50
	Remington Typewriter Co.....	Repairs.....	15.25
	Ed. S. Schmid.....	White rats.....	1.50
24	Jno. D. Adams.....	Traveling expenses.....	2.05
	Orlando Fling.....	do.....	10.15
25	Jas. C. Burneson.....	do.....	4.35
26	Burlington Route, Missouri Lines.....	Transportation.....	.21
	Chicago, Rock Island and Texas Rwy. Co....	do.....	.60
	Erie R. R. Co.....	do.....	.75
	Church & Stephenson.....	Lumber.....	73.00
	American Ice Co.....	Ice.....	23.61
	Howard Laundry Co.....	Laundering.....	4.74
	Jas. B. Lambie Co.....	Wire.....	.27
	A. C. McClurg & Co.....	Pens.....	.80
	The Publishers and Printers Engraving Co..	Engraving.....	14.59
	Andrus & Church.....	Paper.....	.84
	T. S. Buck Manufacturing Co.....	Mounts.....	19.20
	Geo. E. Howard.....	Labels.....	1,625.00
	Lamb & Tilden.....	Ink.....	2.70
	J. P. Nawrath.....	Twine.....	8.56
31	Jno. Caldwell.....	Services.....	30.00
	Lewis Smith.....	do.....	5.00
	Geo. P. McCabe et al.....	Salaries.....	6,286.70
June 1	F. W. Bicknell.....	Services.....	250.00
	W. A. Smith.....	Traveling expenses.....	9.60
2	W. D. Collyer.....	Services.....	153.40
	M. W. Lang.....	do.....	153.40
	B. F. Van Valkenburg.....	do.....	153.40
	Levi Wells.....	do.....	153.40
	Geo. M. Whitaker.....	do.....	127.80
	A. W. Bosworth.....	do.....	75.00
	Chas. Thom.....	do.....	75.00
	Jas. Hewes.....	do.....	90.00
3	R. P. Steddom.....	do.....	153.40
	Geo. C. Faville et al.....	Salaries.....	298.00
	N. K. Fegley et al.....	do.....	265.80
	F. W. Huntington et al.....	do.....	152.20
	A. L. Pitney et al.....	do.....	450.53
	Geo. W. Pope et al.....	do.....	452.38
	W. H. Rose et al.....	do.....	1,256.20
	T. B. Mahoney.....	Traveling expenses.....	8.25

Expenditures of the Department of Agriculture for fiscal year ending June 30, 1904—Cont'd.

BUREAU OF ANIMAL INDUSTRY, EXPENSES—Continued.

Date.	Name.	Nature of payment.	Total.
1904.			
June 3	W. E. Pratt.....	Hog rings.....	\$105.03
	Geo. E. Howard.....	Meat tags, etc.....	747.80
	Henry Heil Chemical Co.....	Alcohol.....	.79
	Mallinckrodt Chemical Works.....	Chemicals.....	.44
	The Chesapeake and Potomac Telephone Co.....	Changing telephones.....	1.50
	United States Express Co.....	Transportation.....	22.42
	Adams Express Co.....	do.....	28.05
4	Boyd Baldwin et al.....	Salaries.....	925.00
	Edw. P. Dowd et al.....	do.....	189.20
	U. G. Houck.....	Services.....	153.40
	W. S. Goodhue.....	Rent.....	50.00
6	The Freidenwald.....	Blanks.....	42.50
8	H. B. Armsby et al.....	Salaries.....	191.80
	L. R. Baker et al.....	do.....	3,797.68
	A. E. Behnke et al.....	do.....	1,255.20
	S. E. Bennett et al.....	do.....	7,728.55
	E. L. Bertram et al.....	do.....	272.40
	Fred R. Braginton et al.....	do.....	199.40
	V. L. Brown et al.....	do.....	3,205.88
	H. E. Brown et al.....	do.....	2,164.69
	Geo. Ditewig et al.....	do.....	1,178.60
	O. E. Dyson et al.....	do.....	10,024.75
	Jas. Fleming et al.....	do.....	780.20
	L. K. Green et al.....	do.....	323.60
	H. A. Hedrick et al.....	do.....	499.20
	Julius Huelsen et al.....	do.....	735.80
	W. J. Murphy et al.....	do.....	204.40
	W. N. Neil et al.....	do.....	824.50
	H. N. Waller et al.....	do.....	3,174.50
	B. P. Wende et al.....	do.....	814.40
	L. A. Robinson et al.....	do.....	1,351.20
	J. F. Ryder et al.....	do.....	1,069.63
	Edw. P. Schaffter et al.....	do.....	860.78
	Chas. A. Schauffler et al.....	do.....	1,253.00
	W. J. Stewart et al.....	do.....	2,850.81
	Geo. W. Butler.....	Services.....	119.20
	F. M. Perry.....	do.....	119.20
	G. W. Ward.....	do.....	119.20
	J. Wm. Fink.....	do.....	65.38
	H. F. Hume.....	do.....	61.40
	H. D. Mayne.....	do.....	102.20
	A. J. Payne.....	do.....	136.20
	Wm. E. Smith.....	do.....	90.00
	Wm. H. Wade.....	do.....	76.60
	H. E. Alvord.....	Expenses.....	12.20
	Boyd Baldwin.....	do.....	5.12
	Marion Dorset.....	do.....	13.01
	H. H. George.....	do.....	6.91
	I. P. Roosa.....	do.....	.50
	E. C. Schroeder.....	do.....	10.21
	F. W. Bicknell.....	Traveling expenses.....	74.50
	F. D. Ketchum.....	Horse hire, etc.....	25.00
	S. E. Bennett.....	do.....	28.00
9	M. O. Anderson et al.....	Salaries.....	189.20
	Jas. J. Brougham et al.....	do.....	2,214.20
	J. B. Claucy et al.....	do.....	3,457.21
	F. L. De Wolf et al.....	do.....	265.80
	H. H. George et al.....	do.....	950.40
	W. H. Gibbs et al.....	do.....	163.60
	Jas. S. Kelly et al.....	do.....	265.80
	Geo. A. Johnson et al.....	do.....	957.20
	Joshua Miller et al.....	do.....	490.64
	H. D. Paxson et al.....	do.....	1,359.80
11	F. W. Ainsworth et al.....	do.....	531.60
	D. C. Ayer et al.....	do.....	4,475.32
	Geo. S. Baker et al.....	do.....	470.20
	Robt. Darling et al.....	do.....	204.40
	O. B. Hess et al.....	do.....	422.60
	Chas. Keane et al.....	do.....	553.40
	F. D. Ketchum et al.....	do.....	1,197.40
	Clarence Loveberry et al.....	do.....	509.60
	A. B. Morse et al.....	do.....	189.20
	J. O. F. Price et al.....	do.....	180.60
	T. A. Shipley et al.....	do.....	461.60
	Thos. W. Scott et al.....	do.....	195.80
	N. C. Sorensen et al.....	do.....	2,206.66
	C. H. Zink et al.....	do.....	555.20
	Jno. A. Bell.....	Services.....	48.00

Expenditures of the Department of Agriculture for fiscal year ending June 30, 1904—Cont'd.

## BUREAU OF ANIMAL INDUSTRY, EXPENSES—Continued.

Date.	Name.	Nature of payment.	Total.
1904.			
June 11	D. Cumming	Services	\$40.00
	Jas. Johnston	do	127.80
	C. L. Morin	do	102.20
	do	Traveling expenses	17.55
	E. A. McDonald	Services	48.00
	Ella Schwahn	do	28.02
	W. H. Wray	do	387.50
	Clarence Loveberry	Expenses	20.75
	W. D. Collyer	Traveling expenses	56.22
	U. G. Houck	do	79.95
	M. W. Lang	do	162.02
	H. D. Mayne	do	16.75
	Geo. W. Pope	do	17.45
	G. W. Ward	do	2.95
	D. C. Ayer	Hire of Horse	15.00
	S. W. Burt	do	25.00
	O. E. Dyson	do	25.00
	St. Louis National Stock Yards	Rent	50.00
	Trustees of Milk Street Trust	do	75.00
	A. E. Behnke	Hire horse, etc.	35.00
	Jas. J. Brougham	do	40.00
	Geo. W. Butler	do	30.00
	Robt. Darling	do	25.00
	H. W. Hawley	do	32.00
	Chas. Keane	do	25.00
	Clarence Loveberry	do	50.00
	Geo. E. Howard	Labels	1,625.00
	L. L. Lochte	Repairs to wagon	12.25
	R. J. O'Brine & Bros. Co.	Oats	30.78
	Jno. C. Lorenzen	Hire horse, etc.	35.10
	J. R. Stafford	do	10.00
13	W. H. Wray	Expenses	2.70
	do	Traveling expenses	36.27
14	T. A. Geddes	Services	213.00
	Geo. S. Baker	Traveling expenses	10.50
	Chas. Cowie	do	9.75
	Jas. Hewes	do	18.07
	A. D. Melvin	do	73.00
	F. M. Perry	do	14.20
	H. T. Potter	do	3.25
	Wm. E. Smith	do	5.35
	B. F. Van Valkenburgh	do	55.80
	Levi Wells	do	137.27
	H. D. Paxson	Expenses, May	40.00
	do	Expenses, February	1.70
	Geo. W. Pope	do	11.09
	W. H. Rose	do	15.45
15	Jno. Caldwell	Services	39.00
	Lewis Smith	do	5.00
	F. L. Russell	Traveling expenses	36.05
	Julius Huelsen	Expenses	8.65
18	Chas. Cowie	Services	1.28
	H. T. Potter	do	14.00
	F. L. Russell	do	88.00
20	Adams Express Co.	Transportation	34.20
	R. C. Ballantyne	Stationery	5.00
	Barber & Ross	Brass, etc.	.80
	Bausch & Lomb Optical Co.	Funnels	31.27
	Ernest Betz	Making water baths	6.50
	do	Repairs	5.30
	Capital Traction Co.	Fare tickets	10.00
	Chadwick Copying Book Co.	Books	46.00
	Wm. H. Coon	Repairing walls, etc.	48.00
	L. S. Depue	Oats	96.00
	do	do	96.00
	do	Meal, etc.	75.00
	do	Corn	60.00
	do	do	.56
	W. H. Dyer	Door	3.25
	Edison Electric Illuminating Co.	Electric lights	1.00
	Chas. R. Edmonston	Jar rubbers	10.50
	Eberhard Faber	Bands	32.76
	Geo. E. Francis	Use horse, etc.	45.00
	Forsberg & Murray	Repairs to boiler	6.75
	Mackall Bros.	Chemicals	9.40
	W. B. Moses & Sons	Chair	5.65
	National Electric Supply Co.	Repairs to motor	15.55
	D. F. Parker	Paper, etc.	37.15
	Mary E. Parker, executrix	Blank books, etc.	101.40



Expenditures of the Department of Agriculture for fiscal year ending June 30, 1904—Cont'd.

## BUREAU OF ANIMAL INDUSTRY, EXPENSES—Continued.

Date.	Name.	Nature of payment.	Total.
1904.			
June 20	Potomac Electric Power Co. ....	Electric current .....	\$51.87
	do. ....	do. ....	8.35
	Rudolph, West & Co. ....	Screens, etc. ....	7.10
	do. ....	Water buckets, etc. ....	6.32
	Z. D. Gilman .....	Alcohol lamps .....	7.40
	E. F. Goodall .....	Certificates, etc. ....	8.75
	Harvard Laundry Co. ....	Towel service .....	5.14
	F. S. Howard .....	Corn .....	81.42
	Hooper, Lewis & Co. ....	Ink, etc. ....	8.05
	Lewis Keiser .....	Hogs .....	164.00
	Jas. B. Lambie Co. ....	Belting, etc. ....	7.56
	Library Bureau .....	Cases, etc. ....	171.75
	Littlefield, Alvord & Co. ....	Transportation .....	3.00
	Mallinckrodt Chemical Works .....	Chemicals .....	1.42
	Francis Miller .....	Glass .....	1.07
	do. ....	Oil .....	25.58
	C. A. Muddiman & Co. ....	Welsbach mantles .....	2.40
	Queen & Co. (Incorporated) .....	Chemicals .....	15.75
	Rand, McNally & Co. ....	Ink, etc. ....	4.00
	Remington Typewriter Co. ....	Ribbons .....	2.50
	Thos. R. Riley .....	Lumber .....	3.85
	Rockwell Barns Co. ....	Blotters, etc. ....	5.25
	E. G. Schafer & Co. ....	Gate valves .....	2.70
	Fred A. Schmidt .....	Wax .....	2.25
	Swayze, Bailey & Co. ....	Pens, etc. ....	11.00
	Edw. S. Schmid .....	Rats .....	1.50
	A. H. Thomas Co. ....	Flasks, etc. ....	8.29
	Washington Gas Light Co. ....	Gas .....	32.90
	Woodward & Lothrop .....	Cloth, etc. ....	52.12
	E. Morrison Paper Co. ....	Memorandum books .....	5.00
21	Wm. C. Siegmund .....	Traveling expenses .....	43.80
	Orland Fling .....	Services .....	45.00
22	A. J. Meyer .....	do. ....	65.00
23	Jno. C. Exline .....	do. ....	23.67
	W. D. McArthur .....	do. ....	240.00
	W. J. Rutherford .....	do. ....	100.00
	J. F. Ryder .....	Expenses .....	19.14
24	T. A. Geddes .....	Traveling expenses .....	37.55
	W. D. McArthur .....	do. ....	24.75
	J. R. Mohler .....	Expenses .....	3.00
25	S. C. Shale .....	Traveling expenses .....	3.75
	American Ice Co. ....	Ice .....	26.40
	Campbell, Morrell & Co. ....	Oats, etc. ....	32.40
	Geo. E. Howard .....	Labels .....	1,625.00
	Chas. Hubinger .....	Bolts, etc. ....	19.34
	Western Union Telegraph Co. ....	Service .....	7.15
29	Mackall Bros. ....	Chemicals .....	43.49
	The Publishers and Printers' Engraving Co. ....	Engravings .....	5.00
	Geo. E. Bedell .....	Repairs to chairs .....	2.75
	Remington Typewriter Co. ....	Paper, etc. ....	52.85
	W. H. Rupp & Co. ....	Ink .....	1.50
30	Jno. Caldwell .....	Services .....	34.50
	W. D. Collyer .....	do. ....	148.30
	M. W. Lang .....	do. ....	148.30
	B. F. Van Valkenburgh .....	do. ....	148.30
	Levi Wells .....	do. ....	148.30
	Geo. M. Whitaker .....	do. ....	123.60
	Lewis Smith .....	do. ....	5.00
	Geo. P. Cabe et al. ....	Salaries .....	6,167.27
	Total fourth quarter .....		264,480.47
	<i>Supplemental.</i>		
1904.			
July 1	D. E. Salmon .....	Traveling expenses .....	24.00
	F. W. Bicknell .....	do. ....	83.80
	Jno. A. Bushong .....	do. ....	1.80
	Albert L. Pitney et al. ....	Salaries .....	469.80
2	A. D. Melvin .....	Traveling expenses .....	36.15
	A. W. Bosworth .....	Services .....	75.00
	Chas. Thom .....	do. ....	75.00
5	Jno. M. Simpson .....	Traveling expenses .....	3.65
	W. S. Goodhue .....	Rent .....	50.00
	Jno. S. Martin & Co. ....	do. ....	126.00
	M. Dorset .....	Expenses .....	20.27
6	Albert Dean et al. ....	Salaries .....	857.20
	Geo. C. Faville et al. ....	do. ....	288.50
	A. G. G. Richardson et al. ....	do. ....	341.10
	Julius Huelsen et al. ....	do. ....	712.10
	W. H. Rose et al. ....	do. ....	1,215.65

Expenditures of the Department of Agriculture for fiscal year ending June 30, 1904—Cont'd.

## BUREAU OF ANIMAL INDUSTRY, EXPENSES—Continued.

Date.	Name.	Nature of payment.	Total.
<i>Supplemental—Continued.</i>			
1904.			
July 6	F. W. Huntington et al.	Salaries	\$150.90
	G. W. Pope et al.	do	345.30
	Henry P. Armsbey et al.	do	186.60
	Geo. A. Johnson et al.	do	9.93
7	Church & Stephenson	Lumber	84.80
	Clark & Davenport	Linoleum	33.88
	B. P. Wende	Expenses	135.00
	Henry E. Alvord	do	18.08
	Rice P. Steddum	Services	148.30
	D. Cumming	do	25.00
	Wm. L. Hiatt	do	98.90
	Louis A. Klein	do	123.60
	Adolph Eichhorn	do	115.40
	Leslie J. Allen	do	123.60
	E. M. Nighbert	do	98.90
	Robt. M. Raban	do	98.90
	Arthur T. Coleman	do	98.90
	Jno. A. Sloan	do	115.40
	Jno. L. Burgett	do	115.40
	W. E. Smith	do	90.00
	Jas. Hewes	do	90.00
	U. G. Houck	do	148.30
	Frank W. Brewer	do	115.40
	S. L. Blount	do	98.90
	Dan. McCunningham	do	98.90
	W. D. Jorden	do	98.90
	Clarence A. Clawson	do	115.40
	Timothy C. Hays	do	98.90
	Marion Imes	do	115.40
	A. N. Irwin	do	115.40
	Geo. Jerome	do	115.40
	Chas. A. McCall	do	115.40
	Chas. Pearson	do	98.90
	Thos. A. Bray	do	123.60
	Frank D. Owen	do	98.90
	W. B. Lincoln	do	115.40
	F. W. Hopkins	do	123.60
	A. H. Wallace	do	94.78
	Jno. V. Laddey	do	123.60
	Jno. H. Lowe	do	98.90
	Walter C. Bower	do	98.90
8	L. R. Baker et al.	Salaries	3,800.74
	V. L. Brown et al.	do	2,715.20
	H. N. Waller et al.	do	3,026.48
	N. K. Fegley et al.	do	257.10
	Chas. A. Schaffter et al.	do	1,213.00
	Joshua Miller et al.	do	489.50
	Edw. P. Dowd et al.	do	182.90
	Boyd Baldwin et al.	do	895.00
	Frank Braginton et al.	do	192.80
	H. A. Hedrick et al.	do	482.90
	Edw. P. Schaffter et al.	do	848.80
	A. E. Behnke et al.	do	1,289.10
	S. E. Bennett et al.	do	7,205.73
	O. E. Dyson et al.	do	10,212.57
	H. D. Mayne	Services	98.90
	C. L. Morin	do	98.90
	Wm. H. Wade	do	74.20
	F. W. Bicknell	do	250.00
	F. W. Huntington	Expenses	2.00
	H. A. Hedrick	do	11.15
9	H. D. Mayne	Traveling expenses	5.75
	Jas. Hewes	do	16.58
	C. L. Morin	do	17.55
	U. G. Houck	do	97.82
	H. H. George	Expenses	24.85
	Fredk. Braginton	do	.60
	W. E. Hill	Services	98.90
	Jas. S. Kelley et al.	Salaries	257.10
	Trajan A. Shipley et al.	do	446.70
	Clarence Loveberry et al.	do	496.20
	B. P. Wende et al.	do	2,067.05
	Chas. Keane et al.	do	535.80
	C. H. Zink et al.	do	537.40
	J. F. Ryder et al.	do	1,002.00
	Albert Long et al.	do	2,216.90
	Robt. Darling et al.	do	197.80
	Jno. O. F. Price et al.	do	174.70
	Thos. W. Scott et al.	do	189.60

Expenditures of the Department of Agriculture for fiscal year ending June 30, 1904—Cont'd.

## BUREAU OF ANIMAL INDUSTRY, EXPENSES—Continued.

Date.	Name.	Nature of payment.	Total.
<i>Supplemental—Continued.</i>			
1904.			
July 9	M. O. Anderson et al.	Salaries	\$182.90
	W. B. Niles et al.	do.	446.00
	Jas. Fleming et al.	do.	747.03
	W. C. Honan.	Services	74.20
	L. K. Green et al.	Salaries	313.20
	W. J. Murphy et al.	do.	197.80
	Frank De Wolf et al.	do.	257.10
	O. B. Hess et al.	do.	408.70
	W. H. Gibbs et al.	do.	158.20
	W. J. Stewart et al.	do.	2,853.55
	Wesley N. Neil et al.	do.	794.50
11	J. J. Brougham et al.	do.	2,142.80
	Eli L. Bertram et al.	do.	272.00
	Fredk. W. Ainsworth et al.	do.	508.31
	Chas. Cowie	Services	64.00
12	H. H. George et al.	Salaries	1,007.63
	Geo. Ditewig et al.	do.	1,236.33
	Frank D. Ketchum et al.	do.	1,167.10
14	Jas. Irwin	Services	82.40
	H. T. Potter	do.	10.00
	F. M. Perry	do.	115.40
	G. W. Ward	do.	115.40
	Geo. W. Butler	do.	123.60
	H. F. Hume	do.	59.30
	F. D. Ketchum	do.	10.97
	do.	Use horse, etc.	25.00
	H. E. Alvord	Traveling expenses	188.00
	Jno. F. Ryder	do.	13.69
	E. T. Davison	do.	80.00
	W. J. Fretz	do.	84.15
	H. E. Alvord	Expenses	9.75
15	Edw. O. Speake et al.	Salaries	444.90
	N. C. Sorensen et al.	do.	2,118.34
	Geo. S. Baker et al.	do.	454.90
	J. B. Clancy et al.	do.	3,399.25
	Arthur B. Morse et al.	do.	182.90
	Geo. A. Johnson et al.	do.	982.17
	Harry D. Paxon et al.	do.	1,315.10
	Don. C. Ayer et al.	do.	4,886.57
	A. J. Payne	Services	131.90
	E. T. Davison	do.	123.60
	Jno. Kneebone	do.	67.50
	Jno. Poirier	do.	55.00
	L. Enos Day	do.	123.60
	F. L. Russell	do.	40.00
	Jas. Johnston	do.	123.60
	E. J. Drake	do.	20.00
	Jos. Poirier	do.	60.00
	Oliver Tyon	do.	65.00
	E. G. Ward	do.	62.50
	E. A. McDonald	do.	48.00
	Warren J. Fretz	do.	115.40
	M. W. Lang	Traveling expenses	138.89
	Jas. Johnston	do.	1.33
	H. T. Potter	do.	6.00
	Chas. Cowie	do.	5.50
	G. W. Ward	do.	5.25
	G. M. Whitaker	do.	90.01
	Jno. D. Adams	do.	3.00
	O. B. Hess	do.	31.50
	Boyd Baldwin	Expenses	5.47
	G. A. Johnson	do.	3.57
	do.	do.	8.85
	Clarence Loveberry	do.	22.25
	Geo. W. Pope	do.	44.63
	W. H. Rose	do.	23.15
18	Harvard Laundry Co.	Towel service	5.95
	American Ice Co.	Ice	30.22
	Z. D. Gilman	Rubber gloves, etc.	26.90
	Leidy S. Depue	Meal, etc.	69.00
	do.	Oats	45.00
	Geo. C. Howard	Pen	3.50
	do.	Tags, etc.	456.05
	Jas. S. Topham	Razor strop	1.75
	Potomac Electric Power Co.	Current	63.83
	Washington Gas Light Co.	Gas	35.10
	A. J. Myer	Services	65.00
	Marion Williams	do.	4.95
	Leidy S. Depue	Hay, etc.	193.12



Expenditures of the Department of Agriculture for fiscal year ending June 30, 1904—Cont'd.

## BUREAU OF ANIMAL INDUSTRY, EXPENSES—Continued.

Date.	Name.	Nature of payment.	Total.
<i>Supplemental—Continued.</i>			
1904.	Jno. A. Bell	Services	\$48.00
July 18	W. D. Collyer	Traveling expenses	23.57
	B. F. Van Valkenburgh	do	44.32
	W. N. D. Bird	do	15.25
	Chas. W. Pagle, jr.	do	2.15
	F. L. Russell	do	15.80
	H. M. Ball	do	1.40
	Jno. P. O'Leary	do	6.25
	Louis A. Robinson	do	3.35
	Benj. Howes	do	19.60
	Geo. S. Baker	do	13.50
	Edw. P. Schaffter	do	9.98
	Geo. W. Pope	do	15.53
	B. P. Wende	Expenses	3.08
	J. F. Ryder	do	4.12
	Geo. C. Faville	do	17.15
	Wesley N. Niel	do	1.60
	N. C. Sorensen	do	13.63
	F. C. Schroeder	do	6.90
	Jas. J. Brougham	do	15.00
	Fred J. Goebel	do	5.65
	E. T. Davison	do	29.02
	L. K. Green	do	5.85
	T. A. Shipley	do	11.50
	Geo. S. Baker	do	2.45
	Geo. W. Pope	do	2.05
	Joshua Miller	do	8.62
	Arthur B. Morse	do	10.85
19	Jas. Johnston	Traveling expenses	1.36
	W. E. Smith	do	16.90
	W. H. Wray	do	6.92
	Julius Huelsen	Expenses	7.85
	H. N. Waller	do	16.95
	W. H. Wray	do	23.97
	Toole A. Geddes	do	5.29
	W. H. Wray	Services	375.00
	Toole A. Geddes	do	206.00
	T. A. Shipley	Steel and knife	1.55
	The Sioux City Stock Yard Co.	Rent	60.00
	Swift & Co.	Service	3.75
	J. R. Stafford	Use horse, etc.	10.00
	Silver Laundry and Towel Co.	Service	3.48
	Sunset Telephone and Telegraph Co.	do	10.50
	Chas. A. Schauffler	Use horse, etc.	105.00
	New England Telephone and Telegraph Co.	Service	12.50
	do	do	57.00
	Nebraska Telephone Co.	do	13.50
	New York and New Jersey Telephone Co.	do	6.50
	Mallinckrodt Chemical Works	Chemicals	.60
	Maryland Telephone and Telegraph Co.	Service	11.47
	Mendenhall Transfer Co.	Drayage	4.75
	Missouri and Kansas Telephone Co.	Service	24.00
	Merchants' Refrigerator Co.	Storage	276.40
	L. L. Lochte	Labor	19.55
	J. C. Lorenzen	Use horse, etc.	35.10
	Clarence Loveberry	do	50.00
	Chas. Keane	do	25.00
	Kansas City Stock Yards Co.	Rent	99.00
	do	do	66.00
	Library Bureau	Cards	17.20
	Iowa Telephone Co.	Service	12.00
	Independent Stock Yard Co.	Rent	75.00
	H. J. Harwood	Rent of land	62.50
	J. I. Colcomb Manufacturing Co.	Sweeps	9.25
	Gahan & Byrne	Rent	675.00
	Grand Trunk Rwy. System	do	37.50
	Glynn & Smith	Transportation	4.50
	N. Rufus Gill	Rent	31.25
	Frontier Towel Supply Co.	Service	4.82
	Fowler Manufacturing Co.	do	5.09
	H. W. Hawley	Use horse, etc.	32.00
	Fred B. Miller & Bro.	Service	6.00
	Underwood Typewriter Co.	Repairing typewriter	4.00
	Union Stock Yards and Transit Co.	Rent	375.00
	Wechawken Stock Yards Co.	Service	10.50
	Wichita Union Stock Yards Co.	Rent	30.00
	Whitall Tatum Co.	Flasks	7.56
	Queen & Co. (Incorporated)	Alcohol	6.00
	Rockwell-Barnes Co.	Mudlage	1.95

Expenditures of the Department of Agriculture for fiscal year ending June 30, 1904—Cont'd.

## BUREAU OF ANIMAL INDUSTRY, EXPENSES—Continued.

Date.	Name.	Nature of payment.	Total.
<i>Supplemental—Continued.</i>			
1904.			
July 19	T. F. Rogers, agent.....	Rent.....	\$52.50
	Stock Yard Hardware and Paint Co.....	Tacks, etc.....	1.83
	Scientific Engraving Co.....	Engraving.....	12.00
	St. Louis National Stock Yards Co.....	Rent.....	50.00
	O. E. Dyson.....	Use of saddle horse.....	25.00
	Indianapolis Telephone Co.....	Service.....	20.00
	Danforth & Co.....	Transportation.....	22.00
	Chicago Towel Supply Co.....	Towel service.....	57.40
	Chicago Telephone Co.....	Service.....	7.50
	do.....	do.....	43.75
	Cutler & Neilson Paint and Color Co.....	Paint.....	4.50
	Cudahy Packing Co.....	Service.....	4.85
	Cincinnati Union Stock Yard Co.....	Rent.....	45.00
	Chadwick Copying Book Co.....	Books.....	46.00
	Jas. J. Brougham.....	Use horse, etc.....	40.00
	A. E. Behnke.....	do.....	35.00
	do.....	Expenses.....	19.13
	The Bell Telephone Co.....	Service.....	40.00
	S. W. Burt.....	Use saddle horse.....	25.00
	Baker Lockwood Manufacturing Co.....	Awnings.....	13.00
	Boston Ice Co.....	Ice.....	3.00
	Bay State Clean Towel Co.....	Towel service.....	3.75
	S. E. Bennett.....	Use horse, etc.....	28.00
	Geo. W. Butler.....	do.....	30.00
	Bourbon Stock Yards Co.....	Rent.....	30.00
	Belt R. R. Stock Yard Co.....	do.....	30.00
	Emma J. Adams et al.....	do.....	120.00
	Stephen Abbey.....	Butter.....	6.00
	Armstrong Laundry.....	Service.....	1.23
	Don C. Ayer.....	Use horse.....	15.00
	Armour Packing Co.....	Service.....	12.00
	Chicago Car Seal and Manufacturing Co.....	Tags.....	91.00
	do.....	do.....	120.25
	do.....	do.....	79.15
	do.....	do.....	57.20
	do.....	do.....	53.30
	do.....	do.....	196.00
	do.....	do.....	11.70
	do.....	do.....	65.00
	do.....	do.....	65.00
	The Fowler Packing Co.....	Service.....	4.00
	Geo. E. Francis.....	Use horse, etc.....	45.00
	Emery Bird Thayer Dry Goods Co.....	Sapolio.....	2.70
	East Buffalo Live Stock Exchange.....	Rent.....	90.00
	Eimer & Amend.....	Sulphur, etc.....	5.10
	Robt. Darling.....	Use horse, etc.....	25.00
	Chicago Car Seal and Manufacturing Co.....	Tags.....	62.40
	Trustees Milk Street Trust.....	Rent.....	81.25
	do.....	do.....	75.00
20	Toote A. Geddes.....	Traveling expenses.....	86.78
	Levi Wells.....	do.....	49.44
	E. C. Stevenson.....	do.....	6.30
	W. J. Rutherford.....	Services.....	100.00
	L. R. Baker.....	Expenses.....	6.00
	Geo. Ditewig.....	do.....	36.10
	Rex Sanitary Appliance Co.....	Disinfectors.....	8.40
	Chesapeake and Potomac Telephone Co.....	Service.....	117.75
	do.....	do.....	1.20
	Remington Typewriter Co.....	Repairing.....	87.75
	do.....	Note books.....	5.50
	Densmore Typewriter Co.....	Repairs.....	5.30
	Underwood Typewriter Co.....	Cushions.....	.80
	G. T. Thomson.....	Paper.....	3.75
	Edw. S. Schmid.....	Pigeons.....	1.20
	The Geo. W. Knox Express Co.....	Transportation.....	3.75
	Baltimore and Ohio R. R. Co.....	do.....	18.35
	J. T. Walker Sons.....	Lime.....	.85
	Woodward & Lothrop.....	Dusters, etc.....	12.90
	Lutz & Co.....	Repairing.....	5.35
	do.....	Leather.....	6.50
	The M. Lindsay Rubber Co.....	Rubber.....	1.50
	E. Morrison Paper Co.....	Ink wells.....	8.75
	do.....	Tag board.....	6.40
	Rudolph, West & Co.....	Hinges, etc.....	40.26
	Thos. Somerville & Sons.....	Tubing.....	12.40
23	Jno. R. Mohler.....	Expenses.....	58.89
	C. A. Schaffer.....	do.....	48.87
	B. P. Wende.....	Traveling expenses.....	2.40
	Orlando Fling.....	Services.....	60.00

Expenditures of the Department of Agriculture for fiscal year ending June 30, 1904—Cont'd.

## BUREAU OF ANIMAL INDUSTRY, EXPENSES—Continued.

Date.	Name.	Nature of payment.	Total.
<i>Supplemental—Continued.</i>			
1904.			
July 23	Pennsylvania R. R. Co.....	Passenger transportation.....	\$57.35
	do.....	do.....	6.50
30	Galveston, Harrisburgh and San Antonio Rwy. Co.....	do.....	6.30
	Iowa Central R. R. Co.....	do.....	2.79
	Grand Trunk R. R. of Canada.....	Transportation.....	.65
	New York, New Haven and Hartford R. R. Co.....	Passenger transportation.....	12.25
	Pittsburg, Cincinnati, Chicago and St. Louis Rwy. Co.....	do.....	3.50
	Chicago and Northwestern Rwy. Co.....	do.....	6.75
	Chicago, Milwaukee and St. Paul Rwy. Co.....	Transportation.....	.92
	Chicago, Rock Island and Pacific Rwy. Co.....	do.....	.67
	do.....	do.....	.21
	Chicago, Milwaukee and St. Paul Rwy. Co.....	Passenger transportation.....	2.72
	New York Central and Hudson River R. R. Co.....	Freight.....	3.14
	Union Line.....	do.....	8.32
	do.....	do.....	.70
	Wabash R. R. Co.....	do.....	.92
	do.....	Passenger transportation.....	17.07
	do.....	do.....	14.16
	Louisville and Nashville R. R. Co.....	do.....	16.75
	do.....	Transportation.....	.75
	The Atchison, Topeka and Santa Fe Rwy. Co.....	Passenger transportation.....	18.05
	Burlington and Missouri River R. R.....	Transportation.....	3.37
	Chicago Great Western Rwy. Co.....	do.....	.48
	Chicago and Alton Rwy. Co.....	do.....	.75
	do.....	do.....	.21
	do.....	do.....	1.26
	do.....	do.....	9.11
	Illinois Central R. R. Co.....	do.....	1.19
	do.....	do.....	.15
	Erie R. R. Co.....	do.....	.50
	do.....	do.....	.88
	Chicago, Burlington and Quincy Rwy. Co.....	do.....	2.94
	do.....	do.....	6.08
	do.....	Passenger transportation.....	1.90
	do.....	Transportation.....	5.71
Aug. 1	Wm. Calkins.....	Services.....	55.00
	Frank Baggage.....	do.....	72.50
	Henry Three Stars.....	do.....	72.50
	Jas. Wilde.....	do.....	75.00
	F. M. Perry.....	Traveling expenses.....	24.20
	B. H. Ransom.....	do.....	218.83
	Wm. C. Wooten.....	do.....	10.40
	Clarence O. Durfee.....	do.....	8.71
	Orlando Fling.....	do.....	5.50
	R. F. Eagle.....	do.....	6.00
	N. K. Fegley.....	Expenses.....	3.00
	Louis Able.....	do.....	1.95
	Hiram Jerome.....	do.....	10.20
	Jno R. Mohler.....	do.....	3.00
	O. E. Dyson.....	do.....	20.49
2	H. Stikeman.....	Rent.....	125.00
3	Church & Stephenson.....	Lumber.....	221.50
	Edw. S. Schmid.....	Pigeons.....	1.20
	Jno. C. Parker.....	Paper, etc.....	32.53
	Mackall Bros.....	Carbolic acid, etc.....	41.12
	M. Du Perow.....	Lamps.....	12.00
	Woodward & Lothrop.....	Matting.....	11.83
6	A. G. G. Richardson.....	Expenses.....	3.00
	do.....	do.....	2.30
	F. D. Owen.....	Traveling expenses.....	1.45
	E. J. Drake.....	do.....	15.10
	Chas. M. Day.....	do.....	30.85
	A. G. G. Richardson.....	do.....	14.60
	W. B. Lincoln.....	do.....	8.35
	W. B. Niles.....	do.....	30.39
8	Albert Dean.....	Expenses.....	8.41
	Chas. M. Day.....	do.....	20.95
	Kate Holy Breath.....	Mare.....	20.00
9	J. A. Stauffer.....	Traveling expenses.....	10.10
	Marion Imes.....	do.....	48.00
	Thos. A. Bray.....	do.....	36.70
	A. N. Irwin.....	do.....	39.00
	Jno. V. Laddey.....	do.....	43.30
	Jno. L. Burgett.....	do.....	10.75



Expenditures of the Department of Agriculture for fiscal year ending June 30, 1904—Cont'd.

BUREAU OF ANIMAL INDUSTRY, EXPENSES—Continued.

Date.	Name.	Nature of payment.	Total.
<i>Supplemental—Continued.</i>			
1904. Aug. 9	Robt. M. Raban	Traveling expenses	\$58.97
	Adolph Eichhorn	do	45.50
	Chas. A. McCall	do	68.25
	Leslie J. Allen	do	38.30
	A. H. Wallace	do	57.75
	Emma Curran, administratrix Knoxville Office Co.	Rent	21.00
	Kansas City Stock Yards Co.	do	16.00
	St. Joseph Stock Yards Co.	do	45.00
	Pittsburgh Union Stock Yards Co.	do	135.00
	The Real Estate and Improvement Co.	do	45.00
	do	do	56.25
	do	do	56.25
	Wm. D. Jordan	Hire horse	75.00
	W. B. Niles	Expenses	13.80
	Fredk. W. Ainsworth	do	8.65
	Timothy C. Hayes	Traveling expenses	2.55
	Wm. C. Hogan	do	19.45
	W. P. Ellenberger	do	20.60
	Jno. A. Sloan	do	13.30
	Clarence A. Clawson	do	35.30
	Chas. Pearson	do	26.75
	Arthur T. Coleman	do	17.45
	Albert Dean	do	8.60
	Wm. L. Hiatt	do	14.02
	Frank W. Brewer	do	51.40
	Wm. D. Jordan	do	63.90
	Dan McCunningham	do	39.55
	Geo. Jerome	do	4.80
10	Louis Keiser	Hogs	88.00
	do	do	166.00
11	L. Enos Day	Traveling expenses	62.24
	A. G. G. Richardson	Expenses	2.25
	do	do	5.62
12	Geo. H. Glover	Services	75.00
16	Z. D. Gilman	Copper sulphate	.65
17	Jno. F. Deadman	Services	30.00
	J. F. Ryder	Expenses	18.66
	J. B. Clancy	do	24.00
	Geo. F. Muth & Co.	Ink	1.17
	do	Lead, etc.	12.75
	do	Transportation	45.95
	Rock & Co.	do	4.50
	E. J. Brooks & Co.	Seals	89.25
	R. A. Stoute	Sheep, etc.	68.70
	The Consumers Co.	Water	5.25
	do	Ice	28.65
	E. T. Davison	Use horse, etc.	91.80
	Thos. A. Bray	do	75.00
	G. F. Muth & Co.	Paints	145.54
	Shannon & Axtell	Bran, etc.	20.00
	D. F. Parker	Paper	27.00
	Chas. Hubinger	Screen wire, etc.	10.91
	Hanford Produce Co.	Butter	10.92
	C. B. Hart	Rent	36.00
	Wm. E. Pratt	Hog rings	109.62
	Mackall Bros.	Corks, etc.	4.03
	Jas. B. Lambie Co.	Brooms	6.90
	Barber & Ross	Wire, etc.	19.91
	Bell Telephone Co., of Buffalo	Service	27.32
	City Telephone Co.	do	3.00
	New York Telephone Co.	do	29.19
	New York and New Jersey Telephone Co.	do	33.60
	Missouri and Kansas Telephone Co.	do	12.50
	New York Telephone Co.	do	19.95
18	Stephen L. Blount	Traveling expenses	34.55
	Jas. M. Pickens	do	23.65
	Jno. R. Mohler	Expenses	37.00
	Louis A. Klein	Horse hire	75.00
	Mallinckrodt Chemical Works	Permanganate	.48
	Phibbs, Gibson & Co.	Rent	42.58
	Chicago Car Seal and Manufacturing Co.	Tags	73.20
	do	do	42.05
	Yawman and Erbe Manufacturing Co.	Folders	5.75
	Henry Heil Chemical Co.	Peptone	3.00
22	Jno. A. Bell	Traveling expenses	28.32
	Frank L. Boone	do	10.30
25	Jno. B. Clancy	Expenses	16.39
26	Western Union Telegraph Co.	Service	12.63
29	Edison Electric Illuminating Co.	Electric light	3.05

Expenditures of the Department of Agriculture for fiscal year ending June 30, 1904—Cont'd.

## BUREAU OF ANIMAL INDUSTRY EXPENSES—Continued.

Date.	Name.	Nature of payment.	Total.
<i>Supplemental—Continued.</i>			
1904.	D. F. Parker.....	Paper.....	\$49.50
Aug. 29	United States Express Co.....	Transportation.....	12.16
Sept. 14	do.....	do.....	1.05
	Cincinnati, Hamilton and Dayton Rwy. Co.....	do.....	8.00
	Chicago and Great Western Rwy. Co.....	do.....	6.50
	Chicago and Northwestern Rwy. Co.....	do.....	17.80
	Southern Pacific Co.....	do.....	17.90
	do.....	do.....	26.85
	Southern Rwy. Co.....	do.....	8.55
	do.....	do.....	21.15
	Louisville and Nashville R. R. Co.....	do.....	7.95
	New Orleans and Northeastern R. R. Co.....	do.....	18.10
	Cincinnati, New Orleans and Texas Rwy Co.....	do.....	4.50
	Great Northern Rwy. Co.....	do.....	3.35
	Union Pacific R. R. Co.....	do.....	6.70
	Chicago, Milwaukee and St. Paul Rwy. Co.....	do.....	16.85
	Red River, Texas and Southern Rwy. Co.....	do.....	26.80
	Pennsylvania R. R. Co.....	do.....	2.50
	do.....	do.....	2.80
	The Pullman Co.....	do.....	3.52
19	Chicago and Alton Rwy. Co.....	do.....	.05
	do.....	do.....	3.81
	Chicago, Rock Island and Gulf Rwy. Co.....	do.....	1.93
	Chicago, Rock Island and Pacific Rwy. Co.....	do.....	4.60
	Chicago and Northwestern Rwy. Co.....	do.....	2.78
	do.....	do.....	8.53
	do.....	do.....	7.61
	do.....	do.....	1.74
	do.....	do.....	4.73
	Burlington Route, Missouri Line.....	do.....	.83
	do.....	do.....	9.10
	do.....	do.....	1.73
	Burlington and Missouri River R. R.....	do.....	1.10
	do.....	do.....	15.57
	do.....	do.....	7.63
	do.....	do.....	1.06
	do.....	do.....	15.27
	Missouri Pacific Rwy. Co.....	do.....	32.63
	do.....	do.....	4.93
	do.....	do.....	1.84
	Chicago, Milwaukee and St. Paul Rwy. Co.....	do.....	2.95
	Star Union Line.....	do.....	10.60
	The Atchison, Topeka and Santa Fe Rwy. Co.....	do.....	4.10
	Baltimore and Ohio Southwestern R. R. Co.....	do.....	10.38
	Baltimore and Ohio R. R. Co.....	do.....	2.09
	New York, New Haven and Hartford R. R. Co.....	do.....	6.06
	do.....	do.....	3.60
	do.....	do.....	.25
	Illinois Central Rwy. Co.....	do.....	.51
	Chicago, Rock Island and Pacific Rwy. Co.....	Passenger transportation.....	43.40
20	Chas. Edmonston.....	Can and bucket.....	2.60
	Eimer & Amend.....	Mono butyrin.....	.35
	Adams Express Co.....	Transportation.....	53.45
24	Western Union Telegraph Co.....	Service.....	12.53
28	J. C. Milnes.....	Expenses.....	6.75
	do.....	Traveling expenses.....	23.67
	Total supplemental.....		91,254.86

## RECAPITULATION.

Total, first quarter.....	\$208,213.73
Total, second quarter.....	334,632.32
Total, third quarter.....	299,843.66
Total, fourth quarter.....	264,480.47
Total, supplemental.....	91,254.86
Total.....	1,198,425.04

Expenditures of the Department of Agriculture for fiscal year ending June 30, 1904—Cont'd.

BUREAU OF ANIMAL INDUSTRY—TO ERADICATE CONTAGIOUS DISEASES OF ANIMALS.

Date.	Name.	Nature of payment.	Total.
1903.			
July 28	Geo. P. McCabe	Traveling expenses	\$33.70
29	Ira K. Atherton	do	38.68
	H. M. Ball	do	52.10
	Ernest D. Everett	do	6.87
Aug. 4	Saml. E. Bennett et al.	Salaries	3,743.87
	Ira K. Atherton	Services	11.41
	U. G. Houck	do	151.60
	Curtis & Lyons	Use horse and buggy	17.50
	McDonald's Stables	do	24.50
	Chas. H. Paquin	do	38.00
	Harry A. Pierce	do	100.00
	Thos. Bryant	do	7.50
10	Rice P. Steddum	Services	151.60
	Ralph D. Stoughton	do	62.00
	W. M. H. Seabrook	do	54.00
	Jos. J. Rieman	do	4.00
14	Geo. W. Toomey	Use horse and buggy	20.00
	Moses A. Reed	do	17.50
	Harry F. Tilden	do	15.75
	McManus Bros	do	33.00
	Asa Pingree	do	21.00
	David R. Simmons	do	17.50
	Chas. W. Rice	do	21.00
	H. W. Hutson	do	12.00
	Martin M. Welch	do	6.00
	Saml. L. Fowle	do	26.00
	W. H. Higgins	do	21.00
	do	do	24.50
	A. L. Cook	do	16.00
	P. W. Packard	do	10.50
	S. E. Bennett	Traveling expenses	31.07
	Jasper J. Smart	Use horse and buggy	22.00
	Geo. E. Wager	Traveling expenses	20.79
	Thos. Coyle	do	2.10
15	Geo. P. McCabe	do	26.90
19	Eastern Drug Co.	Sponges	1.88
	Franklin Rubber Co.	Coat, etc	6.75
	Jacob Lacker	Milk cans	5.46
	Geo. M. Dishong	Traveling expenses	20.15
	A. T. Martin	do	53.04
	A. F. Martin	do	36.05
	Frank L. Shipp	do	20.93
21	Thos. L. Rice	do	21.15
	J. Wm. Fink	do	90.97
22	Emerson J. Cary	do	111.58
	Milton T. Perry	do	23.14
	Rice P. Steddum	do	91.69
	Frank H. Burleigh	do	15.65
	Geo. A. Johnson	do	128.17
	U. G. Houck	do	140.00
24	L. Enos Day	do	124.32
	M. Imes	do	141.85
	Wm. C. Seigmond	do	59.74
	Andrew Hyde	do	120.26
	David S. Kanstoroom	do	109.27
	Russell G. Lawton	do	129.57
	Adolph Eichhorn	do	110.03
	Clarence O. Durfee	do	119.72
	A. M. McBride	do	141.74
	Harry N. Waller	do	104.81
	H. Q. Thompson	do	39.30
25	A. N. Irwin	do	144.72
	Jno. A. Kiernan	do	144.77
	Jno. P. O'Leary	do	40.39
	do	do	106.60
	Jno. V. Laddey	do	167.69
	Trustees of Milk Street Trust	Rent	75.00
26	Alex. E. Wight	Traveling expenses	79.55
	Lewis L. Bullard	do	3.09
28	W. M. H. Seabrook	Services	4.00
	J. W. Gibbs	Use horse and buggy	20.00
29	Geo. P. McCabe	Traveling expenses	30.50
Sept. 1	D. E. Salmon	do	51.35
3	Patk. H. Mullowney	do	97.68
	W. H. Hersey	do	25.91
	Fredk L. Stevens	do	43.04
9	Rice P. Steddum	Services	151.60
10	S. E. Bennett	Traveling expenses	31.07
	Thos. Coyle	do	5.10
	Jno. E. Kiernan	do	166.75



Expenditures of the Department of Agriculture for fiscal year ending June 30, 1904—Cont'd.

## BUREAU OF ANIMAL INDUSTRY—TO ERADICATE CONTAGIOUS DISEASES OF ANIMALS—Continued.

Date.	Name.	Nature of payment.	Total.
1903.			
Sept. 10	Saml. E. Bennett et al.	Salaries	\$2,334.84
	Geo. T. Hanton et al.	do	550.42
11	Geo. R. Tyzzer	Use horse, etc.	6.00
16	R. F. Brennan et al.	Salaries	30.00
	Fredk. Herrick	Services	2.00
	Frank E. Darling	do	18.00
	Ralph D. Stoughton	do	40.00
	U. G. Houck	do	151.60
	Geo. T. Hanton	Traveling expenses	52.24
	Geo. M. Dishong	do	20.15
	Rice P. Steddum	do	109.05
	Geo. A. Johnson	do	108.57
	A. N. Irwin	do	63.07
	Geo. E. Wager	do	22.03
	Frank L. Shipp	do	20.73
	Adolph Eichhorn	do	155.88
	J. W. Fink	do	139.15
17	Trustees of the Milk Street Trust	Rent	75.00
	Clarence O. Duree	Traveling expenses	116.35
	Louis L. Bullard	do	3.15
	Emerson J. Cary	do	101.77
	A. McBride	do	49.14
	Fredk. L. Stevens	do	45.21
19	New York, New Haven and Hartford R. R. Co	Passenger transportation	15.00
	New York Central and Hudson River R. R. Co	do	2.73
22	M. Imes	Traveling expenses	135.15
	Alex. E. Wight	do	38.36
	L. Enos Day	do	43.10
	D. S. Kanstoroom	do	79.76
24	J. S. Henry	Cows, etc.	120.75
	W. W. Bessey & Son	Use horse and buggy	13.50
	Houghton & Dutton	Cot, etc.	7.12
	G. A. Shackford & Son	Use horse and buggy	14.00
	C. A. Dennen	Cows, etc.	225.15
	Frank H. Burleigh	Traveling expenses	14.55
	Russell G. Lawton	do	170.82
	Jno. V. Laddey	do	166.14
	L. Enos Day	do	111.76
28	U. G. Houck	do	170.26
	Walter H. Hersey	do	14.65
	Martin Dillon	Services	4.00
	New England Telephone and Telegraph Co	Service	20.73
	Geo. R. Tyzzer	Cattle	152.60
	Total, first quarter		13,957.50
Oct. 9	Saml. E. Bennett et al.	Salaries	2,464.32
	Frank E. Darling	Services	60.00
	Rice P. Steddum	do	146.80
	U. G. Houck	do	146.80
16	J. Wm. Fink	Traveling expenses	177.54
	Thos. Coyle	do	23.85
	S. E. Bennett	do	39.33
	Andrew Hyde	do	127.69
19	Lewis L. Bullard	do	11.95
	Jno. V. Laddey	do	186.60
	Frank L. Shipp	do	17.62
	Geo. E. Wager	do	23.76
	Walter H. Hersey	do	15.97
	Thos. L. Rice	do	48.65
	Geo. T. Hanton	do	51.45
	Geo. M. Dishong	do	17.10
21	C. McNally et al.	Salaries	6.00
	U. G. Houck	Traveling expenses	107.73
	Chas. B. Hutchinson	do	14.95
	Frank H. Burleigh	do	16.30
	Rice P. Steddum	do	90.25
	M. Imes	do	124.90
	Emerson J. Cary	do	165.69
22	Fredk. L. Stevens	do	74.14
	Andrew Hyde	do	92.80
	Russell G. Lawton	do	176.67
	F. N. Adams	do	25.00
	Burditt & Williams Co.	Lanterns	6.02
	Cutter & Cutter	Suit cases	5.63
	Ames Plow Co.	Milking tube	.65
	Franklin Rubber Co.	Boots	25.13
	Eastern Drug Co.	Chemicals	24.73
23	Geo. A. Johnson	Traveling expenses	106.28
	Jno. P. O'Leary	do	155.68

## Expenditures of the Department of Agriculture for fiscal year ending June 30, 1904—Cont'd.

## BUREAU OF ANIMAL INDUSTRY—TO ERADICATE CONTAGIOUS DISEASES OF ANIMALS—Continued.

Date.	Name.	Nature of payment.	Total.
1903.			
Oct. 24	Clarence O. Durfee.....	Traveling expenses.....	\$178.28
	Adolph Eichhorn.....	do.....	182.26
	Trustees of Milk Street Trust.....	Rent.....	75.00
	Geo. R. Tyzzer.....	Flooring, etc.....	179.40
	New England Telephone and Telegraph Co.....	Service.....	4.50
	Smith & Thayer Co.....	Rubber cups, etc.....	48.23
	Wm. T. Carley.....	Feed.....	52.20
	Frank E. Darling.....	Services.....	34.00
27	Boston and Maine R. R. Co.....	Transportation.....	19.80
31	Pennsylvania R. R. Co.....	Passenger transportation.....	12.25
	S. E. Bennett.....	Traveling expenses.....	40.29
	do.....	Services.....	168.50
Nov. 3	Thos. Coyle.....	Traveling expenses.....	14.89
	Henry C. Brown.....	do.....	6.99
	Rice P. Steddum.....	do.....	76.85
4	D. E. Salmon.....	Expenses.....	6.68
7	Rice P. Steddum.....	Services.....	97.83
	Chas. B. Hutchinson.....	do.....	35.22
10	Geo. A. Johnson et al.....	Salaries.....	1,927.08
16	Walter H. Hersey.....	Traveling expenses.....	12.90
	Frank L. Shipp.....	do.....	19.00
	Geo. E. Wager.....	do.....	25.37
	Patrick H. Mullowney.....	do.....	69.15
	J. Wm. Fink.....	do.....	134.38
	Geo. M. Dishong.....	do.....	20.05
17	Jno. P. O'Leary.....	do.....	98.45
	Geo. A. Johnson.....	do.....	104.18
	Patrick H. Mullowney.....	do.....	75.03
	do.....	do.....	78.20
18	Geo. H. Hanton.....	do.....	60.72
	Fredk. L. Stevens.....	do.....	33.21
19	Harry Q. Thompson.....	do.....	64.60
	do.....	do.....	31.48
	do.....	do.....	52.82
	Andrew Hyde.....	do.....	97.88
	Clarence O. Durfee.....	do.....	131.62
	Emerson I. Cary.....	do.....	146.94
	Chas. B. Hutchinson.....	do.....	21.34
	Adolph Eichhorn.....	do.....	133.94
	Chas. F. Flocken.....	do.....	4.50
	M. Imes.....	do.....	159.61
	Russell G. Lawton.....	do.....	175.23
23	The Bay State Clean Towel Co.....	Towel service.....	10.00
	E. E. Tyzzer.....	Ropes, etc.....	5.50
	Frank L. Whitford.....	Services.....	8.00
	Jno. M. Perley.....	Lime.....	8.95
	Geo. H. Taylor.....	Pipe, etc.....	4.30
	Trustees of Milk Street Trust.....	Rent.....	75.00
	Geo. R. Tyzzer.....	Services.....	20.00
	Wakefield Water Co.....	do.....	9.00
25	Frank H. Burligh.....	Traveling expenses.....	9.55
27	Jno. V. Laddy.....	do.....	134.42
30	Western Union Telegraph Co.....	Service.....	.60
	do.....	do.....	2.63
Dec. 3	New England Telephone and Telegraph Co.....	do.....	3.20
	do.....	do.....	6.54
12	Andrew Hyde.....	Traveling expenses.....	3.25
16	Leonard Pearson.....	Service.....	162.00
17	Burditt & Williams Co.....	Knife.....	.61
	Boston and Maine R. R. Co.....	Transportation.....	5.00
18	The Pullman Co.....	Passenger transportation.....	6.00
	New York, New Haven and Hartford R. R. Co.....	do.....	24.50
	Pennsylvania R. R. Co.....	do.....	24.50
	Total second quarter.....		10,212.38
1904.			
Jan. 16	Frank L. Stevens.....	Traveling expenses.....	2.35
	Total third quarter.....		2.35

## RECAPITULATION.

Total first quarter.....	\$13,957.50
Total second quarter.....	10,212.38
Total third quarter.....	2.35
Total.....	24,172.23

Expenditures of the Department of Agriculture for fiscal year ending June 30, 1904—Cont'd.

## BUREAU OF ANIMAL INDUSTRY—TO ERADICATE CONTAGIOUS DISEASES OF ANIMALS, 1904-5.

Date.	Name.	Nature of payment.	Total.
1904.			
Jan. 19	H. P. Simmons	Mare	\$25.00
	New England Telephone and Telegraph Co.	Service	1.50
	do.	do.	.90
26	W. W. Crandall	Traveling expenses	4.75
Feb. 3	J. V. Laddey	Services	127.70
	Geo. E. Totten	do.	127.70
	Jos. W. Parker	do.	127.70
	H. B. Adair	do.	127.70
	Peter I. Kershner	do.	127.70
	Louis Metsker	do.	127.70
	Clarence A. Clawson	do.	119.20
	Ernest J. Foreman	do.	119.20
	A. N. Irwin	do.	119.20
	W. L. Johnson	do.	119.20
	Chas. A. McCall	do.	119.20
	Thos. S. Rich	do.	119.20
	Geo. Jerome	do.	102.20
	Laomer West	do.	102.20
	Chas. A. Brown	do.	85.20
5	A. A. Holcombe	do.	127.70
6	Clinton H. Bugbee	do.	127.70
	Emerson J. Cary	do.	119.20
	W. S. Cass	do.	119.20
	Horace H. Collins	do.	119.20
	Wilton F. Crewe	do.	102.20
	Chas. W. Deming	do.	102.20
	Roy N. Drake	do.	127.70
	Frank C. Eells	do.	127.70
	Jas. E. Ellis	do.	102.20
	W. R. Fleming	do.	123.62
	J. J. Hayes	do.	119.20
	Walter E. Howe	do.	127.70
	David R. Hodges	do.	85.20
	Wilber H. Hurst	do.	102.20
	Ernest N. Hutchinson	do.	127.70
	J. Otis Jacobs	do.	127.70
	Wm. F. Jones	do.	110.99
	Jno. A. Kiernan	do.	127.70
	Matthias S. Lantz	do.	127.70
	Thos. J. Lowry	do.	85.20
	Jno. McBirney	do.	136.30
	S. W. McClure	do.	102.20
	Henry R. McNally	do.	110.99
	Jay Merrill	do.	85.20
	Russell J. Merrill	do.	76.60
	Isaac C. O'Rourke	do.	119.20
	H. J. Hammond	do.	119.20
	Morris T. Hascall	do.	85.20
	Frank Parker	do.	102.20
	F. O. Petzey	do.	85.20
	A. J. Pistor	do.	127.70
	Wm. F. Pflaeging	do.	85.20
	R. A. Ramsay	do.	127.70
	Isaiah Richards	do.	85.20
	A. J. Smith	do.	85.20
	Nathl. B. Smith	do.	119.20
	N. L. Townsend	do.	119.20
	Robt. H. Treacy	do.	119.20
	Thos. White	do.	119.20
	Alex. E. Wight	do.	119.20
	W. W. Worcester	do.	119.20
	Geo. S. Hickox et al.	Salaries	647.30
9	E. T. Davison et al.	do.	259.40
11	Allen A. Holcombe	Expenses	1.50
	Wm. Proudfoot	Services	85.20
	do.	Traveling expenses	57.96
	Clarence Loveberry	do.	2.05
	Allen A. Holcombe	do.	64.90
	Warren J. Fretz	do.	9.00
	E. T. Davison	do.	21.00
	Clarence Loveberry	do.	2.05
12	F. Auerbach & Bro.	Rent	30.00
	E. T. Davison	Use horse and buggy	32.70
	Horace H. Collins	Traveling expenses	30.25
	Jay Merrill	do.	43.75
	Frank C. Eells	do.	29.25
	Isaac O'Rourke	do.	25.00
	Wm. F. Pflaeging	do.	65.00



*Expenditures of the Department of Agriculture for fiscal year ending June 30, 1904—Cont'd.*

BUREAU OF ANIMAL INDUSTRY—TO ERADICATE CONTAGIOUS DISEASES OF ANIMALS, 1904-5—Continued.

Date.	Name.	Nature of payment.	Total.
1904.			
Feb. 12	F. O. Pettey .....	Traveling expenses .....	\$23.75
	Frank Parker .....	do .....	14.95
	H. J. Hammond .....	do .....	37.00
	L. K. Green .....	do .....	12.79
	W. R. Dennis .....	do .....	33.90
	Wm. F. Crews .....	do .....	15.35
	Wm. F. Jones .....	do .....	26.39
	Geo. S. Hickox .....	do .....	5.45
15	Clinton H. Bugbee .....	Expenses .....	58.00
	Jno. A. Kiernan .....	Traveling expenses .....	52.65
	Jno. McBirney .....	do .....	83.10
	S. W. McClure .....	do .....	59.35
	Russell G. Merrill .....	do .....	36.87
	I. W. O'Rourke .....	do .....	67.90
	Nathanl. B. Smith .....	do .....	63.00
	Robt. H. Treacy .....	do .....	51.95
	R. A. Ramsay .....	do .....	88.50
	Alex. E. Wight .....	do .....	14.25
	Hugh M. Rowe .....	do .....	41.45
	Emerson J. Cary .....	do .....	73.10
	Lowell Clarke .....	do .....	92.80
	Chas. W. Deming .....	do .....	20.85
	S. D. Gillett .....	do .....	31.21
	M. T. Hascall .....	do .....	26.50
	Geo. S. Hickox .....	do .....	83.13
	David R. Hodges .....	do .....	71.00
	Walter E. Howe .....	do .....	28.25
	Wilber H. Hurst .....	do .....	37.75
	Ernest N. Hutcheson .....	do .....	78.40
	J. Otis Jacobs .....	do .....	62.20
17	Leomer West .....	do .....	32.90
	Henry R. McNally .....	do .....	64.75
	A. J. Pistor .....	do .....	40.75
	Thos. White .....	do .....	24.25
	W. W. Worcester .....	do .....	7.25
	Jno. V. Laddey .....	do .....	25.00
	M. S. Lantz .....	do .....	26.75
	Chas. A. McCall .....	do .....	3.00
	Louis Metsker .....	do .....	8.50
	Jos. W. Parker .....	do .....	6.30
	Theo. S. Rich .....	do .....	6.30
	Geo. E. Totten .....	do .....	41.05
	Clarence A. Clawson .....	do .....	15.35
	Ernest J. Foreman .....	do .....	8.70
	A. N. Irwin .....	do .....	7.25
	Geo. Jerome .....	do .....	24.25
	W. L. Johnson .....	do .....	11.75
	Peter I. Kershner .....	do .....	23.53
	Chas. A. Brown .....	do .....	15.05
18	Colorado and Southern Rwy. Co. ....	Passenger transportation .....	25.50
19	A. J. Smith .....	Traveling expenses .....	105.50
	N. L. Townsend .....	do .....	67.50
	Isaiah Richards .....	do .....	8.00
	J. Otis Jacobs .....	do .....	42.55
	W. R. Fleming .....	do .....	32.50
20	W. W. Worcester .....	do .....	38.15
	Jas. E. Ellis .....	do .....	50.50
23	W. S. Cass .....	Use horse and buggy .....	34.00
	M. H. Clifford .....	Stallion .....	25.00
	Russell G. Merrill .....	Use horse, etc. ....	25.00
	Thos. O'Rourke .....	Stallion .....	25.00
Mar. 2	Geo. S. Hickox .....	Traveling expenses .....	3.00
	Thos. J. Lowry .....	do .....	48.50
	Jay Merrill .....	do .....	81.00
	W. J. Muldoun .....	do .....	49.50
	W. S. Cass .....	do .....	80.63
3	Geo. W. Browning .....	Services .....	111.60
	Chas. A. Brown .....	do .....	79.60
	Leslie J. Allen .....	do .....	119.60
	H. B. Adair .....	do .....	119.60
	W. L. Hiatt .....	do .....	95.60
	E. J. Foreman .....	do .....	111.60
	Clarence A. Clawson .....	do .....	111.60
	Frank W. Brewer .....	do .....	111.60
	Stephen L. Blount .....	do .....	95.60
	Jno. L. Burgett .....	do .....	111.60
	A. N. Irwin .....	do .....	111.60
	Marion Imes .....	do .....	111.60

*Expenditures of the Department of Agriculture for fiscal year ending June 30, 1904—Cont'd.*

## BUREAU OF ANIMAL INDUSTRY—TO ERADICATE CONTAGIOUS DISEASES OF ANIMALS, 1904-5—Continued.

Date.	Name.	Nature of payment.	Total.
1904.			
Mar. 3	W. D. Jordan.....	Services.....	\$95.60
	Geo. Jerome.....	do.....	95.60
	W. L. Johnson.....	do.....	111.60
	Louis A. Klein.....	do.....	111.60
	Peter I. Kershner.....	do.....	119.60
	Jno. V. Laddey.....	do.....	119.60
	Chas. A. McCall.....	do.....	111.60
	Louis Metsker.....	do.....	119.60
	Dan McCuningham.....	do.....	95.60
	Jos. W. Parker.....	do.....	119.60
	Theo. S. Rich.....	do.....	111.60
	Geo. E. Totten.....	do.....	119.60
	Leomer West.....	do.....	95.60
	Arch H. Wallace.....	do.....	111.60
	Jno. Kneebone.....	do.....	65.00
	Albert Dean et al.....	Salaries.....	655.00
	A. G. G. Richardson et al.....	do.....	330.00
	Thos. A. Bray.....	Services.....	119.60
	Wm. M. McKellar.....	do.....	111.60
	Jno. A. Sloan.....	do.....	111.60
4	F. W. Hopkins.....	do.....	119.60
	David C. Hanawalt.....	do.....	111.60
	Willis B. Lincoln.....	do.....	111.60
	J. M. Turner.....	do.....	71.80
	W. H. Yingst.....	do.....	95.60
	A. G. G. Richardson.....	do.....	.80
5	Jno. W. Wolf.....	Mare.....	15.00
7	Jas. W. Davis.....	Services.....	71.80
	C. W. Deming.....	do.....	95.60
	Roy N. Drake.....	do.....	119.60
	Frank C. Eells.....	do.....	119.60
	Jas. E. Ellis.....	do.....	95.60
	Geo. A. Bond.....	do.....	119.60
	C. H. Bugbee.....	do.....	119.60
	W. S. Cass.....	do.....	111.60
	Emerson J. Cary.....	do.....	111.60
	Horace H. Collins.....	do.....	111.60
	W. W. Worcester.....	do.....	111.60
	Alex. E. Wight.....	do.....	111.60
	Thos. White.....	do.....	111.60
	Robt. H. Treacy.....	do.....	111.60
	N. L. Townsend.....	do.....	111.60
	A. J. Smith.....	do.....	79.60
	N. B. Smith.....	do.....	111.60
	Isaiah Richards.....	do.....	79.60
	R. A. Ramsay.....	do.....	119.60
	A. J. Pistor.....	do.....	119.60
	Frank Parker.....	do.....	95.00
	F. O. Pettey.....	do.....	79.60
	Wm. Pflaeging.....	do.....	79.60
	I. W. O'Rourke.....	do.....	111.60
	Russell G. Merrill.....	do.....	71.80
	Henry R. McNally.....	do.....	111.60
	S. W. McClure.....	do.....	95.60
	Jay Merrill.....	do.....	79.60
	Jno. C. Massie.....	do.....	79.60
	Jno. McBirney.....	do.....	127.40
	Thos. J. Lowry.....	do.....	79.60
	Matthew S. Lantz.....	do.....	119.60
	Jno. A. Kiernan.....	do.....	119.60
	J. Otis Jacobs.....	do.....	119.60
	Wm. F. Jones.....	do.....	111.60
	Jas. Irwin.....	do.....	79.60
	Wilbur H. Hurst.....	do.....	95.60
	David R. Hodges.....	do.....	79.60
	H. J. Hammond.....	do.....	111.60
	Jno. J. Hayes.....	do.....	111.60
	Walter E. Howe.....	do.....	119.60
	E. N. Hutchinson.....	do.....	119.60
	Morris T. Hascall.....	do.....	79.60
	Wilton F. Crewe.....	do.....	95.60
	W. R. Fleming.....	do.....	119.60
	Edw. O. Speake et al.....	Salaries.....	352.40
	W. C. Honan et al.....	do.....	179.20
	Geo. S. Hickox et al.....	do.....	605.49
10	W. B. Niles et al.....	do.....	430.50
	Allen A. Holcombe.....	Traveling expenses.....	55.29
	Wallace L. Upton.....	do.....	8.20

*Expenditures of the Department of Agriculture for fiscal year ending June 30, 1904—Cont d.*

BUREAU OF ANIMAL INDUSTRY—TO ERADICATE CONTAGIOUS DISEASES OF ANIMALS, 1904-5—Continued.

Date.	Name.	Nature of payment.	Total.
1904.			
Mar. 10	Warren J. Fretz.....	Traveling expenses.....	\$20.85
	Wm. Proudfoot.....	do.....	30.70
	Wm. C. Honan.....	do.....	17.25
	Willis B. Lincoln.....	do.....	15.20
	A. G. G. Richardson.....	do.....	3.95
	Allen A. Holcombe.....	Services.....	119.60
	Wallace L. Upton.....	do.....	75.00
	Allen A. Holcombe.....	Expenses.....	1.50
	Jose Poirier.....	Traveling expenses.....	20.25
11	W. E. Hill.....	Services.....	95.60
	Thos. Redmond.....	Traveling expenses.....	4.25
	W. B. Niles.....	do.....	7.50
	Lowell Clarke.....	do.....	42.70
	Chas. M. Day.....	do.....	26.80
	W. B. Niles.....	Expenses.....	59.74
	F. Auerbach & Bro.....	Rent.....	30.00
	Aug. C. Jens.....	Horse hire.....	25.00
	do.....	do.....	25.00
	Jas. W. Davis.....	do.....	18.00
	Russell G. Merrill.....	do.....	25.00
14	David C. Hanawalt.....	Traveling expenses.....	9.40
	Dean G. Cooper.....	do.....	2.75
	Geo. S. Hickox.....	Expenses.....	5.46
16	E. T. Davidson et al.....	Salaries.....	707.45
	do.....	Traveling expenses.....	29.25
	do.....	Expenses.....	5.26
17	F. C. Fells.....	Traveling expenses.....	28.05
	Chas. W. Deming.....	do.....	10.00
	Horace H. Collins.....	do.....	20.25
	W. S. Cass.....	do.....	58.84
	Geo. A. Bond.....	do.....	10.50
	C. H. Bugbee.....	do.....	62.25
	E. N. Hutchinson.....	do.....	79.65
	R. G. Merrill.....	do.....	40.27
	Stephen D. Gillett.....	do.....	11.10
	M. T. Hascall.....	do.....	15.25
	J. J. Hayes.....	do.....	37.00
	D. R. Hodges.....	do.....	62.75
	Walter F. Howe.....	do.....	18.50
	Wilbur H. Hurst.....	do.....	36.50
	Wm. F. Jones.....	do.....	19.75
	J. O. Jacobs.....	do.....	41.75
	M. S. Lantz.....	do.....	55.55
	T. J. Lowry.....	do.....	49.35
	W. R. Fleming.....	do.....	40.70
	Hugh M. Rowe.....	do.....	29.05
	R. A. Ramsay.....	do.....	72.25
	Wm. F. Pflaeging.....	do.....	77.75
	A. J. Pistor.....	do.....	42.25
	S. W. McClure.....	do.....	25.10
	H. R. McNally.....	do.....	56.25
	J. McBirney.....	do.....	69.00
	Robt. H. Treacy.....	do.....	27.75
	N. L. Townsend.....	do.....	72.60
	N. R. Smith.....	do.....	41.25
	T. White.....	do.....	52.15
	A. E. Wight.....	do.....	34.50
	Chicago and Alton Rwy. Co.....	Passenger transportation.....	4.05
18	J. A. Kierman.....	Traveling expenses.....	64.25
	E. J. Cary.....	do.....	74.50
	W. R. Dennis.....	do.....	43.10
17	F. O. Pettet.....	do.....	11.55
	Union Pacific R. R. Co.....	Passenger transportation.....	4.11
	do.....	do.....	12.75
21	Marion Imes.....	Traveling expenses.....	70.98
	Wm. D. Jordan.....	do.....	42.70
	Jno. V. Laddey.....	do.....	53.85
	Frank Parker.....	do.....	69.50
	Theo. S. Rich.....	do.....	27.70
	Geo. E. Totten.....	do.....	116.90
	Lavmer West.....	do.....	34.65
	Ernest J. Foreman.....	do.....	44.85
	Frank W. Brewer.....	do.....	47.85
	Thos. A. Bray.....	do.....	25.55
	Leslie J. Allen.....	do.....	22.35
	H. J. Hammond.....	do.....	32.65
	W. L. Hiatt.....	do.....	25.16
	Geo. S. Hickox.....	do.....	78.35



Expenditures of the Department of Agriculture for fiscal year ending June 30, 1904—Cont'd.

## BUREAU OF ANIMAL INDUSTRY—TO ERADICATE CONTAGIOUS DISEASES OF ANIMALS, 1904-5—Continued.

Date.	Name.	Nature of payment.	Total.
1904.			
Mar. 21	A. N. Irwin.....	Traveling expenses.....	\$46.95
	Louis Metsker.....	do.....	7.00
	Jos. W. Parker.....	do.....	8.20
	Isaiah Richards.....	do.....	28.75
	Jno. A. Sloan.....	do.....	2.50
	Arch. H. Wallace.....	do.....	11.25
	Chas. A. Brown.....	do.....	8.00
	Jno. L. Burgett.....	do.....	13.14
	Clarence O. Clawson.....	do.....	29.90
	Roy N. Drake.....	do.....	16.50
	Geo. Jerome.....	do.....	14.25
	W. L. Johnson.....	do.....	9.50
	Peter I. Kershner.....	do.....	19.60
	Louis A. Klein.....	do.....	17.30
	Chas. A. McCall.....	do.....	29.00
	Dan McCuningham.....	do.....	20.25
	Wm. M. MacKellar.....	do.....	17.40
	W. S. Cass.....	Horse hire.....	34.00
	E. T. Davison.....	do.....	43.00
24	Isaac W. O'Rourke.....	Traveling expenses.....	55.90
	Jas. C. Ellis.....	do.....	67.75
26	Z. T. Davis.....	Mare.....	30.00
28	W. W. Worcester.....	Traveling expenses.....	46.75
29	Jay Merrill.....	do.....	84.00
	Frank D. Owen.....	do.....	4.50
	Geo. W. Browning.....	do.....	112.53
	The Chicago, Burlington and Quincy Rwy. Co.	Passenger transportation.....	30.00
	Total third quarter.....		25,880.78
Apr. 5	Albert Dean et al.....	Salaries.....	793.60
6	Clarence A. Clawson.....	Services.....	119.20
	Jno. L. Burgett.....	do.....	119.20
	L. A. Klein.....	do.....	119.20
	A. H. Wallace.....	do.....	119.20
	Frank W. Brown.....	do.....	119.20
	A. N. Irwin.....	do.....	119.20
	Theo. S. Rich.....	do.....	119.20
	E. J. Foreman.....	do.....	119.20
	Geo. Jerome.....	do.....	119.20
	Wester L. Johnson.....	do.....	119.20
	Marion Imes.....	do.....	119.20
	Chas. A. McCall.....	do.....	119.20
	Wm. M. MacKellar.....	do.....	119.20
	Jno. A. Sloan.....	do.....	119.20
	Geo. W. Browning.....	do.....	119.20
	Thos. A. Bray.....	do.....	127.70
	Geo. E. Totten.....	do.....	127.70
	Jos. W. Parker.....	do.....	127.70
	Louis Metsker.....	do.....	127.70
	Peter I. Kershner.....	do.....	127.70
	Leslie J. Allen.....	do.....	127.70
	H. B. Adair.....	do.....	127.70
	Jno. V. Laddey.....	do.....	127.70
	S. L. Blount.....	do.....	102.20
	Wm. D. Jorden.....	do.....	102.20
	Jno. H. Lowe.....	do.....	102.20
	Timothy C. Hays.....	do.....	102.20
	Adolph Eichhorn.....	do.....	102.20
	Laomer West.....	do.....	102.20
	Dan McCuningham.....	do.....	102.20
	Arthur T. Coleman.....	do.....	102.20
	Chas. Pearson.....	do.....	102.20
	Wm. L. Hiatt.....	do.....	102.20
	Chas. A. Brown.....	do.....	85.20
7	A. G. G. Richardson et al.....	Salaries.....	352.50
	Geo. S. Hickox et al.....	do.....	647.30
	E. M. Nighbert.....	Traveling expenses.....	14.75
	Wilbur H. Hurst.....	Services.....	102.20
	S. W. McClure.....	do.....	102.20
	Frank Parker.....	do.....	102.20
	Chas. W. Deming.....	do.....	102.20
	E. M. Nighbert.....	do.....	102.20
	Jas. E. Ellis.....	do.....	102.20
	Walter F. Crewe.....	do.....	102.20
	Frank D. Owen.....	do.....	102.20
	Isaiah Richards.....	do.....	85.20
	Wm. F. Pfaeving.....	do.....	85.20

Expenditures of the Department of Agriculture for fiscal year ending June 30, 1904—Cont'd.

BUREAU OF ANIMAL INDUSTRY—TO ERADICATE CONTAGIOUS DISEASES OF ANIMALS, 1904-5—Continued,

Date.	Name.	Nature of payment.	Total.
1904.			
Apr. 7	F. O. Pettey.....	Services.....	\$85.20
	Jay Merrill.....	do.....	85.20
	Jno. C. Massie.....	do.....	85.20
	Thos. J. Lowry.....	do.....	85.20
	Wallace L. Upton.....	do.....	85.20
	A. J. Smith.....	do.....	85.20
	David R. Hodges.....	do.....	85.20
	M. T. Hascall.....	do.....	85.20
	Harry E. Armstrong.....	do.....	85.20
	Russell G. Merrill.....	do.....	76.60
	Jno. McBirney.....	do.....	136.30
	Ernest N. Hutchinson.....	do.....	127.70
	Walter E. Howe.....	do.....	127.70
	Roy N. Drake.....	do.....	127.70
	Frank C. Eells.....	do.....	127.70
	W. R. Fleming.....	do.....	127.70
	Geo. A. Bond.....	do.....	127.70
	R. A. Ramsay.....	do.....	127.70
	J. Otis Jacobs.....	do.....	127.70
	M. S. Lantz.....	do.....	127.70
	Allen A. Holcombe.....	do.....	127.70
	F. W. Hopkins.....	do.....	127.70
	Jno. A. Kiernan.....	do.....	127.70
	Clinton H. Bugbee.....	do.....	127.70
	A. J. Pistor.....	do.....	127.70
	David C. Hanawalt.....	do.....	119.20
	Henry R. McNally.....	do.....	119.20
	E. J. Cary.....	do.....	119.20
	Willis B. Lincoln.....	do.....	119.20
	Jno. J. Hayes.....	do.....	119.20
	Horace H. Collins.....	do.....	119.20
	Nathl. B. Smith.....	do.....	119.20
	Isaac W. O'Rourke.....	do.....	119.20
	Robt. H. Treacy.....	do.....	119.20
	Thos. White.....	do.....	119.20
	Alex. E. Wight.....	do.....	119.20
	N. L. Townsend.....	do.....	119.20
	W. W. Worcester.....	do.....	119.20
	H. J. Hammond.....	do.....	119.20
	W. S. Cass.....	do.....	119.20
	Wm. F. Jones.....	do.....	119.20
8	W. B. Niles et al.....	Salaries.....	459.50
9	C. Deadrick.....	Rent.....	30.00
	J. Irwin.....	Services.....	85.20
	A. G. G. Richardson.....	Expenses.....	2.14
	W. P. Ellenberger.....	Traveling expenses.....	33.16
	Jas. W. Davis.....	Services.....	76.60
	E. J. Drake.....	do.....	40.00
	Walter C. Bower.....	do.....	102.20
	W. E. Hill.....	do.....	102.20
	Wm. Calkins.....	do.....	2.50
	Warren J. Fretz.....	do.....	119.20
	E. T. Davison.....	do.....	127.70
	W. C. Honan.....	do.....	76.60
	Edwd. O. Speake et al.....	Salaries.....	374.68
11	W. B. Niles.....	Traveling expenses.....	15.48
	David C. Hanawalt.....	do.....	37.70
	Harry Thse Stars.....	Services.....	25.00
	Frank D. Owen.....	Traveling expenses.....	1.45
	Chas. M. Day.....	do.....	34.02
	Jos. Pourier.....	Services.....	60.00
12	F. Auerbach & Bro.....	Rent.....	30.00
	City Telephone Co.....	Service.....	3.00
	Emma Curran.....	Rent.....	21.00
	Jas. W. Davis.....	Horse hire.....	18.00
	C. B. Hart.....	Rent.....	24.00
	Louis A. Klein.....	Horse hire.....	75.00
	Rocky Mountain Bell Telephone Co.....	Service.....	22.50
13	Kansas City Stock Yards Co.....	Rent.....	45.00
14	Washington Post Co.....	Advertising.....	3.45
19	American Linen Supply Co.....	Towel service.....	3.00
	Louis Keiser.....	Hogs.....	200.00
	Jno. Kneebone.....	Service.....	65.00
	Chas. M. Day.....	Expenses.....	15.00
	Allen A. Holcombe.....	do.....	1.50
	W. B. Niles.....	do.....	24.20
	Wm. D. Jordan.....	Horse hire.....	75.00
	Thos. A. Bray.....	do.....	75.00

Expenditures of the Department of Agriculture for fiscal year ending June 30, 1904—Cont'd.

## BUREAU OF ANIMAL INDUSTRY—TO ERADICATE CONTAGIOUS DISEASES OF ANIMALS, 1904-5—Continued.

Date.	Name.	Nature of payment.	Total.
1904.			
Apr. 19	N. L. Townsend.....	Horse hire.....	\$25.00
	R. G. Merrill.....	do.....	25.00
	W. S. Cass.....	do.....	34.00
	Chas. C. Fulton & Co.....	Advertising.....	3.00
	Charleston Daily Mail.....	do.....	2.08
	Commercial Press Co.....	do.....	2.88
	Burleigh & Flynt.....	do.....	1.50
	The Journal Co.....	do.....	2.30
	The Indianapolis News.....	do.....	1.84
	Vicksburg Herald.....	do.....	3.56
	The State Co.....	do.....	2.50
	The Sentinel Printing Co.....	do.....	2.00
	Republican Publishing Co.....	do.....	2.40
	The Ohio State Journal Co.....	do.....	2.75
	Nashville Banner.....	do.....	1.47
	Nebraska State Journal.....	do.....	2.30
	N. L. Townsend.....	Traveling expenses.....	29.45
	M. S. Lantz.....	do.....	35.73
	Wm. F. Jones.....	do.....	61.25
	E. N. Hutchinson.....	do.....	66.60
	M. T. Hascall.....	do.....	40.00
	Jno. C. Massie.....	do.....	79.50
	R. G. Merrill.....	do.....	28.40
	R. H. Treacy.....	do.....	20.00
	Isaiah Richards.....	do.....	25.25
	A. F. Flaeging.....	do.....	76.10
	A. J. Pistor.....	do.....	43.25
	F. O. Pettey.....	do.....	12.00
	Frank Parker.....	do.....	76.00
	Wm. Proudfoot.....	do.....	18.25
	Thos. White.....	do.....	42.41
	J. O. Jacobs.....	do.....	22.50
	W. E. Howe.....	do.....	26.25
	W. W. Worcester.....	do.....	40.30
	D. R. Hodges.....	do.....	112.25
	J. A. Kiernan.....	do.....	74.25
	G. S. Hickox.....	do.....	52.90
	S. D. Gillett.....	do.....	12.40
	Jno. J. Hayes.....	do.....	66.00
	E. J. Cary.....	do.....	76.00
	R. N. Drake.....	do.....	41.15
	F. C. Fells.....	do.....	7.90
	Robt. M. Raban.....	do.....	6.80
	E. J. Drake.....	do.....	12.50
	Warren J. Fretz.....	do.....	10.00
	W. C. Honan.....	do.....	19.55
	Allen A. Holcombe.....	do.....	35.96
	W. B. Lincoln.....	do.....	8.35
20	W. S. Cass.....	do.....	37.25
	Albert Dean.....	do.....	29.75
	Alex. E. Wight.....	do.....	41.00
	Hugh M. Rowe.....	do.....	43.15
	Chas. Pearson.....	do.....	8.30
	Leslie J. Allen.....	do.....	30.75
	Marion Imes.....	do.....	78.85
	Lowell Clarke.....	do.....	91.40
	Thos. A. Bray.....	do.....	27.35
	Wm. L. Hiatt.....	do.....	2.75
	Wm. D. Jordan.....	do.....	68.45
	Geo. Jerome.....	do.....	21.60
	W. R. Fleming.....	do.....	52.70
	Norfolk and Western Rwy. Co.....	Passenger transportation.....	10.00
	Chicago and Northwestern Rwy. Co.....	do.....	40.93
	A. F. Daland.....	Service.....	20.00
	A. G. G. Richardson.....	Expenses.....	.90
	Salt Lake Daily Tribune.....	Advertising.....	2.53
	Gammell-Statesman Publishing Co.....	do.....	4.69
	The John L. Murphy Publishing Co.....	do.....	1.32
21	Dan McCuningham.....	do.....	46.95
	Ernest J. Foreman.....	do.....	51.60
	Geo. S. Hickox.....	Expenses.....	5.89
22	Laomer West.....	Traveling expenses.....	58.30
	Jos. W. Parker.....	do.....	15.70
	Peter I. Kershner.....	do.....	42.95
	Western L. Johnson.....	do.....	25.80
	Timothy C. Hays.....	do.....	8.60
	Clarence A. Clawson.....	do.....	20.30
	Arthur T. Coleman.....	do.....	23.00



*Expenditures of the Department of Agriculture for fiscal year ending June 30, 1904—Cont'd.*

BUREAU OF ANIMAL INDUSTRY—TO ERADICATE CONTAGIOUS DISEASES OF ANIMALS, 1904-5—Continued.

Date.	Name.	Nature of payment.	Total.
1904.			
Apr. 22	Jno. L. Burgett.....	Traveling expenses.....	\$18.00
23	The Record Publishing Co.....	Advertising.....	3.60
	Topeka State Journal.....	do.....	1.15
	Oklahoma State Capital.....	do.....	1.80
	Iowa State Register.....	do.....	4.17
	Bismarck Weekly Tribune.....	do.....	2.10
	J. H. Sanders Publishing Co.....	do.....	6.65
	The Sacramento Union.....	do.....	4.08
	Oregon Statesman.....	do.....	2.40
	The Constitution Publishing Co.....	do.....	2.20
	Louis A. Klein.....	Traveling expenses.....	25.25
	Arch. H. Wallace.....	do.....	73.70
	Chas. A. Brown.....	do.....	23.40
	Theo. S. Rich.....	do.....	42.15
	Jno. H. Lowe.....	do.....	6.10
	Chas. A. McCall.....	do.....	47.00
	Adolph Eichhorn.....	do.....	9.75
	A. N. Irwin.....	do.....	70.75
	Geo. E. Totten.....	do.....	17.90
	Stephen A. Blount.....	do.....	23.45
	Geo. W. Browning.....	do.....	94.80
	Frank W. Brewer.....	do.....	20.35
	Louis Metsker.....	do.....	16.50
	Wm. M. Mackellar.....	do.....	23.75
	Jno. A. Sloan.....	do.....	6.40
26	Jas. E. Ellis.....	do.....	48.25
	Henry R. McNally.....	do.....	56.50
	Wilbur H. Hurst.....	do.....	44.00
	R. A. Ramsay.....	do.....	64.25
	Clinton H. Bugbee.....	do.....	111.50
	Jno. McBirney.....	do.....	115.00
27	Thos. J. Lowry.....	do.....	64.75
	Gulf Refining Co.....	Oil.....	50.55
	The State Republican.....	Advertising.....	2.60
	Tribune Publishing Co.....	do.....	2.00
	The Arizona Publishing Co.....	do.....	2.50
28	Chicago and Northwestern Rwy. Co.....	Passenger transportation.....	37.35
	Pennsylvania R. R. Co.....	do.....	57.00
May 2	Natl. B. Smith.....	Traveling expenses.....	59.50
	W. R. Dennis.....	do.....	20.95
	Albert Dean et al.....	Salaries.....	827.40
	H. B. Adair.....	Services.....	123.60
	Thos. A. Bray.....	do.....	123.60
	Louis A. Klein.....	do.....	123.60
	Jno. V. Laddey.....	do.....	123.60
	Peter I. Kershner.....	do.....	123.60
	Leslie J. Allen.....	do.....	123.60
	Jos. W. Parker.....	do.....	123.60
	Geo. E. Totten.....	do.....	123.60
	Arch. H. Wallace.....	do.....	123.60
	Frank W. Brewer.....	do.....	115.40
	Wm. M. Mackellar.....	do.....	115.40
	Geo. W. Browning.....	do.....	115.40
	Jno. A. Sloan.....	do.....	115.40
	A. N. Irwin.....	do.....	115.40
	Clarence A. Clawson.....	do.....	115.40
	Ernest J. Foreman.....	do.....	115.40
	Louis Metsker.....	do.....	123.60
3	W. L. Johnson.....	do.....	115.40
	Chas. A. McCall.....	do.....	115.40
	Geo. Jerome.....	do.....	115.40
	Adolph Eichhorn.....	do.....	115.40
	Jno. L. Burgett.....	do.....	115.40
	Marion Imes.....	do.....	115.40
	Theo. S. Rich.....	do.....	115.40
	Arthur T. Coleman.....	do.....	98.90
	Laomer West.....	do.....	98.90
	Timothy C. Hays.....	do.....	98.90
	Dan McCuningham.....	do.....	98.90
	Wm. D. Jordan.....	do.....	98.90
	W. C. Brown.....	do.....	98.90
	Stephen L. Blount.....	do.....	98.90
	Wm. L. Hiatt.....	do.....	98.90
	Chas. Pearson.....	do.....	98.90
	Jno. H. Lowe.....	do.....	98.90
	Chas. A. Brown.....	do.....	82.40
4	The Dispatch Printing Co.....	Advertising.....	3.56
	Jno. Nelson.....	Mare.....	25.00

*Expenditures of the Department of Agriculture for fiscal year ending June 30, 1904—Cont'd.*

BUROAU OF ANIMAL INDUSTRY—TO ERADICATE CONTAGIOUS DISEASES OF ANIMALS, 1904-5—Continued.

Date.	Name.	Nature of payment.	Total.
1904.			
May 4	Chas. Landers.....	Mare.....	\$25.00
7	W. B. Niles et al.....	Salaries.....	436.50
	A. G. G. Richardson et al.....	.....do.....	341.10
	F. W. Hopkins.....	Services.....	123.60
	Willis B. Lincoln.....	.....do.....	115.40
	E. M. Nighbert.....	.....do.....	98.90
	Frank D. Owen.....	.....do.....	98.90
	Robt. M. Raban.....	.....do.....	98.90
	Jas. Irwin.....	.....do.....	\$2.40
	Albert Dean.....	Expenses.....	4.67
	A. G. G. Richardson.....	.....do.....	1.50
	Harry E. Armstrong.....	Traveling expenses.....	132.60
	Isaac W. O'Rourke.....	.....do.....	80.50
	Jno. C. Massie.....	.....do.....	85.00
	E. T. Davison.....	.....do.....	81.59
	H. J. Hammond.....	.....do.....	77.50
	Chas. W. Deming.....	.....do.....	40.60
	A. G. G. Richardson.....	.....do.....	16.35
	Wm. C. Honan.....	.....do.....	10.10
	E. T. Davison.....	Horse, etc.....	11.90
11	Jno. McBirney.....	Services.....	131.90
	C. H. Bugbee.....	.....do.....	123.60
	Geo. A. Bond.....	.....do.....	123.60
	R. N. Drake.....	.....do.....	123.60
	F. C. Eells.....	.....do.....	123.60
	W. R. Fleming.....	.....do.....	123.60
	W. E. Howe.....	.....do.....	123.60
	E. N. Hutchinson.....	.....do.....	123.60
	A. A. Holcombe.....	.....do.....	123.60
	J. A. Kiernan.....	.....do.....	123.60
	J. O. Jacobs.....	.....do.....	123.60
	M. S. Lautz.....	.....do.....	123.60
	A. J. Pistor.....	.....do.....	123.60
	R. A. Ramsay.....	.....do.....	123.60
	A. E. Wight.....	.....do.....	123.60
	H. H. Collins.....	.....do.....	115.40
	E. J. Cary.....	.....do.....	115.40
	W. S. Cass.....	.....do.....	115.40
	J. J. Hayes.....	.....do.....	115.40
	H. J. Hammond.....	.....do.....	115.40
	H. H. Collins.....	.....do.....	115.40
	E. J. Cary.....	.....do.....	115.40
	W. S. Cass.....	.....do.....	115.40
	J. J. Hayes.....	.....do.....	115.40
	H. J. Hammond.....	.....do.....	115.40
	Wm. F. Jones.....	.....do.....	115.40
	H. R. McNally.....	.....do.....	115.40
	I. W. O'Rourke.....	.....do.....	115.40
	N. B. Smith.....	.....do.....	115.40
	Robt. H. Treacy.....	.....do.....	115.40
	N. L. Townsend.....	.....do.....	115.40
	Thos. White.....	.....do.....	115.40
	W. W. Worcester.....	.....do.....	115.40
	Wm. F. Crewe.....	.....do.....	98.90
	C. W. Deming.....	.....do.....	98.90
	Jas. E. Ellis.....	.....do.....	98.90
	Thos. J. Eagle.....	.....do.....	98.90
	W. H. Hurst.....	.....do.....	98.90
	S. W. McClure.....	.....do.....	98.90
	Frank Parker.....	.....do.....	98.90
	H. E. Armstrong.....	.....do.....	82.40
	A. L. Balley.....	.....do.....	82.40
	L. S. Campbell.....	.....do.....	82.40
	M. T. Hascall.....	.....do.....	82.40
	D. R. Hodges.....	.....do.....	82.40
	R. E. L. Jackson.....	.....do.....	82.40
	T. J. Lowry.....	.....do.....	82.40
	Jno. C. Massie.....	.....do.....	82.40
	Jay Merrill.....	.....do.....	82.40
	F. O. Pettey.....	.....do.....	82.40
	W. F. Pflaeging.....	.....do.....	82.40
	Wm. Proudfoot.....	.....do.....	82.40
	Isaiah Richards.....	.....do.....	82.40
	Henry Singleton.....	.....do.....	82.40
	A. J. Smith.....	.....do.....	82.40
	W. L. Upton.....	.....do.....	82.40
	R. G. Merrill.....	.....do.....	74.20
	E. J. Drake.....	.....do.....	55.00

Expenditures of the Department of Agriculture for fiscal year ending June 30, 1904—Cont'd.

BUREAU OF ANIMAL INDUSTRY—TO ERADICATE CONTAGIOUS DISEASES OF ANIMALS, 1904-5—Continued.

Date.	Name.	Nature of payment.	Total.
1904.			
May 11	Elias Gilmore	Services	\$30.00
	C. K. Schafer	do	12.36
	H. L. McDonald	do	9.89
	Wm. Calkins	do	5.00
	W. C. Honan	do	74.20
	E. O. Speake et al.	Salaries	506.26
	E. T. Davison et al.	do	832.60
	do	Expenses	8.90
	do	Traveling expenses	118.31
	W. W. Crandall	do	3.45
	H. H. Collins	do	51.00
	Elias Gilmore	do	3.15
	Geo. S. Hickox	do	122.92
	W. B. Lincoln	do	12.25
	Robt. R. Newman	do	12.70
	R. M. Raban	do	5.85
	Thos. Redmond	do	24.45
	F. Auerbach & Bro.	Office rent	30.00
	R. G. Merrill	Use horse, etc	25.00
	N. L. Townsend	do	25.00
12	Geo. S. Hickox et al.	Salaries	741.70
	A. A. Holcombe	Expenses	1.50
	Chas. M. Day	Traveling expenses	34.50
	W. F. Ellenberger	do	10.40
	A. A. Holcombe	do	26.19
	L. D. Turner	Mares	50.00
	Fakes & Co	Desk, etc	45.50
	W. S. Cass	Hire horse, etc	34.00
	Her Plenty Horses	Mares	30.00
	Bernard Black	Mare	20.00
	Full Stomach	do	15.00
	I. J. M. Brown	Service self and horse	12.50
13	W. B. Niles	Expenses	13.00
	F. W. Brewer	Traveling expenses	65.10
	A. T. Coleman	do	10.75
	W. J. Fretz	do	33.70
	W. L. Johnson	do	29.25
	F. D. Owen	do	1.45
	Jos. W. Parker	do	22.40
	T. S. Rich	do	22.00
	New Mexico Printing Co.	Advertisement	2.00
16	J. L. Burgett	Traveling expenses	1.65
	C. A. Clawson	do	43.60
	Albert Dean	do	17.50
	L. T. Green	do	14.19
	Geo. Jerome	do	23.75
	W. D. Jordan	do	57.45
	P. I. Kershner	do	22.15
	L. A. Klein	do	9.20
	Louis Metsker	do	45.50
	Chas. Pearson	do	22.90
	Jno. A. Sloan	do	25.50
	Geo. E. Totten	do	22.20
18	L. J. Allen	do	27.55
	C. A. Brown	do	55.20
	Geo. W. Browning	do	18.55
	S. L. Blount	do	23.50
	R. N. Drake	do	79.85
	Thos. J. Eagle	do	10.25
	F. C. Eells	do	7.50
	Adolph Eichhorn	do	18.95
	M. T. Hascall	do	19.50
	A. N. Irwin	do	75.05
	Marion Imes	do	101.70
	Jno. A. Kiernan	do	82.75
	Jno. V. Laddey	do	61.45
	do	do	35.85
	Thos. J. Lowery	do	95.30
	Wm. M. MacKellar	do	15.80
	Chas. A. McCall	do	78.40
	Jno. McBitney	do	106.75
	Dan McCuningham	do	43.95
	S. W. McClure	do	11.40
	W. F. Pfaeving	do	76.50
	H. M. Rowe	do	21.40
	C. K. Schafer	do	12.35
	N. L. Townsend	do	34.75
	A. H. Wallace	do	114.05



*Expenditures of the Department of Agriculture for fiscal year ending June 30, 1904—Cont'd.*

## BUREAU OF ANIMAL INDUSTRY—TO ERADICATE CONTAGIOUS DISEASES OF ANIMALS, 1904-5—Continued.

Date.	Name.	Nature of payment.	Total.
1904.			
May 18	Laomer West.....	Traveling expenses.....	\$59.35
	Thos. White.....	do.....	13.96
	The Atchison, Topeka and Santa Fe Rwy. Co.	Passenger transportation.....	12.50
	Chicago and Alton Rwy. Co.....	do.....	7.25
	Chicago, Burlington and Quincy Rwy. Co.....	do.....	39.60
	Great Northern Rwy. Co.....	do.....	10.50
	Illinois Central R. R. Co.....	do.....	4.25
	Oregon Short Line R. R. Co.....	do.....	9.60
	Lewis Keiser.....	Hogs.....	200.00
20	W. E. Hill.....	Services.....	98.90
	Geo. S. Hickox.....	Expenses.....	6.55
	H. E. Armstrong.....	Traveling expenses.....	143.75
	C. H. Bugbee.....	do.....	110.50
	L. S. Campbell.....	do.....	95.25
	Lowell Clarke.....	do.....	95.15
	W. R. Dennis.....	do.....	92.55
	Chas. W. Deming.....	do.....	35.00
	Jas. E. Ellis.....	do.....	43.25
	E. J. Foreman.....	do.....	29.05
	S. D. Gillett.....	do.....	49.80
	T. C. Hays.....	do.....	14.45
	D. R. Hodges.....	do.....	124.25
	R. E. L. Jackson.....	do.....	102.50
	Jas. V. Kerr.....	do.....	24.85
	R. G. Merrill.....	do.....	20.78
	Jay Merrill.....	do.....	90.75
	Geo. B. McCabe.....	do.....	132.05
	I. W. O'Rourke.....	do.....	28.25
	F. O. Pettey.....	do.....	123.50
	A. E. Wight.....	do.....	41.25
	Pretty Hip.....	Mares.....	45.00
	E. T. Davison.....	Hire team.....	42.50
	The Philadelphia Inquirer Co.....	Advertising.....	4.00
	Dunn & Lemmon.....	do.....	1.95
	The Times Dispatch Co.....	do.....	1.44
	Journal Newspaper Co.....	do.....	3.15
24	A. L. Bailey.....	Traveling expenses.....	88.75
	Geo. A. Bond.....	do.....	44.80
	W. S. Cass.....	do.....	39.50
	L. E. Day.....	do.....	43.97
	W. R. Fleming.....	do.....	56.05
	Jas. J. Hayes.....	do.....	79.75
	E. N. Hutchinson.....	do.....	36.90
	W. H. Hurst.....	do.....	62.75
	D. C. Hanawalt.....	do.....	95.80
	J. O. Jacobs.....	do.....	31.60
	M. S. Lantz.....	do.....	22.00
	A. J. Pistor.....	do.....	24.05
	R. A. Ramsey.....	do.....	70.95
	W. L. Upton.....	do.....	51.65
	W. E. Howe.....	Expenses.....	7.50
26	W. C. Smoot.....	Mare.....	15.00
27	E. J. Cary.....	Traveling expenses.....	64.00
	H. H. Collins.....	do.....	57.00
	W. F. Crewe.....	do.....	7.75
	H. J. Hammond.....	do.....	66.75
	W. E. Howe.....	do.....	37.65
	Wm. F. Jones.....	do.....	40.25
	Jno. C. Massie.....	do.....	85.00
	H. R. McNally.....	do.....	52.50
	N. B. Smith.....	do.....	42.25
June 1	Isaiah Richards.....	do.....	69.75
	R. H. Treacy.....	do.....	68.00
	Chas. N. McBryde.....	do.....	17.75
2	Jay Merrill.....	do.....	93.70
	Wm. Proudfoot.....	do.....	90.25
	Henry Singleton.....	do.....	103.25
	W. W. Worcester.....	do.....	47.75
	H. B. Adair.....	Services.....	127.80
	L. J. Allen.....	do.....	127.80
	Thos. A. Bray.....	do.....	127.80
	Peter I. Kershner.....	do.....	127.80
	L. A. Klein.....	do.....	127.80
	J. V. Laddey.....	do.....	127.80
	Louis Metsker.....	do.....	127.80
	Jos. W. Parker.....	do.....	127.80
	Geo. E. Totten.....	do.....	127.80
	A. H. Wallace.....	do.....	127.80

*Expenditures of the Department of Agriculture for fiscal year ending June 30, 1904—Cont'd.*

BUREAU OF ANIMAL INDUSTRY—TO ERADICATE CONTAGIOUS DISEASES OF ANIMALS, 1904-5—Continued.

Date.	Name.	Nature of payment.	Total.
1904.			
June 2	F. W. Brewer.....	Services.....	\$119.20
	Geo. W. Browning.....	do.....	119.20
	Jno. L. Burgett.....	do.....	119.20
	C. A. Clawson.....	do.....	119.20
	Adolph Eichhorn.....	do.....	119.20
	E. J. Foreman.....	do.....	119.20
	Marion Imes.....	do.....	119.20
	A. N. Irwin.....	do.....	119.20
	Geo. Jerome.....	do.....	119.20
	W. L. Johnson.....	do.....	119.20
	Chas. A. McCall.....	do.....	119.20
	W. M. MacKellar.....	do.....	119.20
	T. S. Rich.....	do.....	119.20
	Jno. A. Sloan.....	do.....	119.20
	S. L. Blount.....	do.....	102.20
	W. C. Bowen.....	do.....	102.20
	A. T. Coleman.....	do.....	102.20
	T. C. Hays.....	do.....	102.20
	W. L. Hiatt.....	do.....	102.20
	W. D. Jorden.....	do.....	102.20
	Jno. H. Lowe.....	do.....	102.20
	Dan McCunningham.....	do.....	102.20
	Chas. Pearson.....	do.....	102.20
	Laomer West.....	do.....	102.20
	Chas. A. Brown.....	do.....	85.20
3	Albert Dean et al.....	Salaries.....	902.59
	A. G. G. Richardson et al.....	do.....	352.80
	E. T. Davison.....	Expenses.....	32.67
	Geo. M. Bettis.....	Traveling expenses.....	4.50
	E. J. Drake.....	do.....	17.75
	Frank Parker.....	do.....	87.50
	A. J. Silcock.....	Mare.....	15.00
	Yellow Hair Woman.....	do.....	20.00
	W. E. Hargrave.....	Horse.....	25.00
	The Bartlett Publishing Co.....	Advertising.....	2.50
	The Globe Printing Co.....	do.....	5.25
8	Geo. H. Hickox et al.....	Salaries.....	954.00
	W. C. Honan.....	Service.....	76.60
	W. B. Niles et al.....	Salaries.....	449.50
	F. L. Boone.....	Services.....	31.65
	W. E. Burrows.....	do.....	31.65
	F. C. Dauncey.....	do.....	31.65
	Jas. C. Exline.....	do.....	31.65
	B. F. Gooch.....	do.....	31.65
	Jas. M. Lawson.....	do.....	31.65
	R. C. Livens.....	do.....	31.65
	Jno. C. Reid.....	do.....	31.65
	Chas. F. Rork.....	do.....	31.65
	H. A. Smith.....	do.....	31.65
	N. R. Adams.....	do.....	43.96
	F. W. Schatzell.....	do.....	43.96
	Fred Evans.....	do.....	52.75
	Jere C. Leyser.....	do.....	61.40
	R. R. Newman.....	do.....	61.40
	E. R. O'Neil.....	do.....	61.40
	F. C. O'Rourke.....	do.....	61.40
	Jno. L. Osborn.....	do.....	61.40
	R. G. Merrill.....	do.....	76.60
	H. J. McDonald.....	do.....	76.60
	O. W. Noyes.....	do.....	76.60
	Jas. Irwin.....	do.....	85.20
	R. E. L. Jackson.....	do.....	85.20
	Jay Merrill.....	do.....	85.20
	Wm. F. Pflaeging.....	do.....	85.20
	F. O. Pettet.....	do.....	85.20
	W. S. Pidcock.....	do.....	85.20
	Wm. Proudfoot.....	do.....	85.20
	W. F. Crewe.....	do.....	102.20
	Thos. J. Eagle.....	do.....	102.50
	W. H. Hurst.....	do.....	102.20
	S. W. McClure.....	do.....	102.20
	E. M. Nighbert.....	do.....	102.20
	F. D. Owen.....	do.....	102.20
	Frank Parker.....	do.....	102.20
	R. M. Raban.....	do.....	102.20
	Chas. W. Deming.....	do.....	110.99
	W. F. Jones.....	do.....	119.20

Expenditures of the Department of Agriculture for fiscal year ending June 30, 1904—Cont'd.

## BUREAU OF ANIMAL INDUSTRY—TO ERADICATE CONTAGIOUS DISEASES OF ANIMALS, 1904-5—Continued.

Date.	Name.	Nature of payment.	Total.
1904.			
June 8	W. B. Lincoln.....	Services.....	\$119.20
	H. R. McNalley.....	do.....	119.20
	L. W. O'Rourke.....	do.....	119.20
	R. N. Drake.....	do.....	127.80
	F. W. Hopkins.....	do.....	127.80
	W. E. Howe.....	do.....	127.80
	E. N. Hutchinson.....	do.....	127.80
	Jno. A. Kiernan.....	do.....	127.80
	M. S. Lantz.....	do.....	127.80
	A. J. Pistor.....	do.....	127.80
	W. A. Savage.....	do.....	127.80
	A. A. Holcombe.....	do.....	136.20
	W. P. Ellenberger.....	Traveling expenses.....	43.02
	Wm. C. Honan.....	do.....	10.55
9	Edw. O. Speake et al.....	Salaries.....	495.80
	Geo. A. Bond.....	Services.....	127.80
	C. H. Bugbee.....	do.....	127.80
	W. R. Fleming.....	do.....	127.80
	K. A. Ramsay.....	do.....	127.80
	A. E. Wight.....	do.....	127.80
	E. J. Cary.....	do.....	119.20
	W. S. Cass.....	do.....	119.20
	H. H. Collins.....	do.....	119.20
	H. J. Hammond.....	do.....	119.20
	J. J. Hayes.....	do.....	119.20
	N. B. Smith.....	do.....	119.20
	Robt. H. Treacy.....	do.....	119.20
	Thos. White.....	do.....	119.20
	Jas. E. Ellis.....	do.....	102.20
	H. E. Armstrong.....	do.....	85.20
	A. L. Bailey.....	do.....	85.20
	L. S. Campbell.....	do.....	85.20
	D. R. Hodges.....	do.....	85.20
	Thos. J. Lowry.....	do.....	85.20
	Jno. C. Massie.....	do.....	85.20
	Isaiah Richards.....	do.....	85.20
	Henry Singleton.....	do.....	85.20
	A. J. Smith.....	do.....	85.20
	G. A. Hanvey.....	do.....	61.40
	Chas. H. Robinson.....	do.....	61.40
	E. S. Spindler.....	do.....	31.65
	C. E. Verry.....	do.....	31.65
11	R. J. Blanche.....	do.....	127.80
	E. T. Davison.....	do.....	127.80
	L. E. Day.....	do.....	127.80
	F. C. Eells.....	do.....	127.80
	J. O. Jacobs.....	do.....	127.80
	W. J. Fretz.....	do.....	119.20
	N. L. Townsend.....	do.....	119.20
	W. W. Worcester.....	do.....	119.20
	W. J. Bracken.....	do.....	102.20
	Wm. J. Butler.....	do.....	102.20
	W. E. Hill.....	do.....	102.20
	M. T. Hassell.....	do.....	85.20
	W. L. Upton.....	do.....	85.20
	Frank Baggage.....	do.....	57.50
	Wm. Calkins.....	do.....	5.00
	Chas. C. Conley.....	do.....	39.56
	E. J. Drake.....	do.....	32.50
	Elias Gilmore.....	do.....	71.60
	Jno. Kneebone.....	do.....	60.00
	Jno. Pourier.....	do.....	60.00
	Jas. Pourier.....	do.....	62.50
	Harry Three Stars.....	do.....	65.00
	Oliver Tyron.....	do.....	60.00
	Saml. I. Valentine.....	do.....	76.60
	E. G. Ward.....	do.....	65.00
	Jas. Wilde.....	do.....	15.00
	do.....	do.....	62.50
	Lowell Clarke.....	Traveling expenses.....	56.60
	Chas. C. Conley.....	do.....	81.83
	Chas. M. Day.....	do.....	18.55
	W. J. Fretz.....	do.....	30.50
	F. J. Lynn.....	do.....	22.95
	D. C. Hanawalt.....	do.....	57.75
	D. R. Hodges.....	do.....	137.25
	A. A. Holcombe.....	do.....	63.96



Expenditures of the Department of Agriculture for fiscal year ending June 30, 1904—Cont'd.

BUREAU OF ANIMAL INDUSTRY—TO ERADICATE CONTAGIOUS DISEASES OF ANIMALS, 1904-5—Continued.

Date	Name.	Nature of payment.	Total.
1904.			
June 11	W. B. Lincoln.....	Traveling expenses.....	\$8. 10
	E. M. Nighbert.....	do.....	2. 25
	W. B. Niles.....	do.....	10. 20
	do.....	Expenses.....	15. 00
	Wm. F. Pflaeging.....	do.....	72. 25
	A. J. Pistor.....	do.....	18. 25
	Thos. Redmond.....	do.....	47. 35
	W. S. Cass.....	Horse hire, etc.....	34. 00
	R. G. Merrill.....	do.....	25. 00
	N. L. Townsend.....	do.....	25. 00
	C. Deadrick.....	Rent of room.....	20. 00
	F. Auerbach & Bro.....	do.....	30. 00
	F. J. Lamb.....	Corn.....	21. 10
	Alex. Merrivall.....	Mare.....	35. 00
	Wallace Running Eagle.....	do.....	15. 00
	J. O. B. Scobey.....	Advertising.....	2. 50
13	F. C. Dauncey.....	Traveling expenses.....	64. 40
	M. S. Lantz.....	do.....	51. 00
	Thos. J. Lowry.....	do.....	139. 25
	Wm. Proudfoot.....	do.....	96. 50
	Isaiah Richards.....	do.....	130. 95
	F. W. Schatzell.....	do.....	65. 70
	Thos. White.....	do.....	19. 75
14	N. R. Adams.....	do.....	46. 50
	Thos. A. Bray.....	do.....	8. 60
	S. L. Blount.....	do.....	48. 10
	Chas. A. Brown.....	do.....	44. 90
	Wm. E. Burrows.....	do.....	45. 30
	L. E. Day.....	do.....	96. 13
	M. T. Hascall.....	do.....	13. 00
	A. N. Irwin.....	do.....	64. 00
	L. A. Klein.....	do.....	15. 85
	J. C. Leysler.....	do.....	112. 75
	R. G. Merrill.....	do.....	17. 00
	Robt. R. Newman.....	do.....	80. 50
	Jas. C. Reid.....	do.....	80. 40
	C. E. Verry.....	do.....	66. 30
15	W. W. Worcester.....	do.....	45. 25
	L. J. Allen.....	do.....	20. 60
	H. E. Armstrong.....	do.....	109. 25
	R. J. Blanche.....	do.....	80. 21
	F. W. Brewer.....	do.....	72. 75
	Geo. W. Browning.....	do.....	12. 05
	C. H. Bugbee.....	do.....	75. 00
	Jno. L. Burgett.....	do.....	24. 05
	L. S. Campbell.....	do.....	104. 75
	C. A. Clawson.....	do.....	50. 75
	W. F. Crewe.....	do.....	15. 80
	A. T. Coleman.....	do.....	11. 05
	E. T. Davison.....	do.....	100. 30
	Fred Evans.....	do.....	8. 50
	Adolph Eichhorn.....	do.....	30. 80
	W. R. Fleming.....	do.....	53. 85
	T. C. Hays.....	do.....	14. 40
	W. L. Hiatt.....	do.....	1. 75
	W. E. Howe.....	do.....	14. 25
	Marion Imes.....	do.....	70. 00
	Geo. Jerome.....	do.....	7. 95
	W. L. Johnson.....	do.....	34. 75
	Wm. F. Jones.....	do.....	22. 75
	P. I. Kershner.....	do.....	16. 80
	Jno. V. Laddey.....	do.....	69. 85
	Jno. C. Massie.....	do.....	95. 50
	Louis Metsker.....	do.....	59. 00
	Wm. M. MacKellar.....	do.....	27. 80
	Chas. A. McCall.....	do.....	35. 50
	Dan McCunningham.....	do.....	34. 95
	Jno. L. Osborne.....	do.....	113. 90
	Chas. Pearson.....	do.....	10. 85
	Robt. M. Raban.....	do.....	14. 59
	T. S. Rich.....	do.....	5. 75
	Chas. H. Robinson.....	do.....	108. 05
	Chas. F. Rork.....	do.....	50. 65
	H. M. Rowe.....	do.....	42. 35
	E. S. Spindler.....	do.....	34. 45
	Jno. A. Sloan.....	do.....	18. 00
	Geo. E. Totten.....	do.....	22. 15

Expenditures of the Department of Agriculture for fiscal year ending June 30, 1904—Cont'd.

## BUREAU OF ANIMAL INDUSTRY—TO ERADICATE CONTAGIOUS DISEASES OF ANIMALS, 1904-5—Continued.

Date.	Name.	Nature of payment.	Total.
1904.			
June 15	A. H. Wallace.....	Traveling expenses.....	\$12.00
16	W. D. Jordan.....	do.....	54.20
18	A. L. Bailey.....	do.....	103.70
	W. S. Cass.....	do.....	20.25
	Thos. J. Eagle.....	do.....	18.75
	Jno. E. Ellis.....	do.....	110.00
	E. J. Foreman.....	do.....	21.60
	S. D. Gillett.....	do.....	102.15
	Geo. S. Hickox.....	do.....	24.45
	Jno. McBirney.....	do.....	110.75
	W. S. Pidcock.....	do.....	67.20
	N. B. Smith.....	do.....	16.50
20	E. T. Davison.....	Horse hire.....	32.30
	do.....	do.....	20.40
	Geo. Ruffe.....	Mare.....	25.00
21	W. C. Barth.....	Traveling expenses.....	12.35
	H. J. Hammond.....	do.....	87.50
	E. T. Davison.....	Expenses.....	11.02
22	Jno. McBirney.....	Services.....	136.20
23	F. L. Borne.....	Traveling expenses.....	62.25
	H. R. McNally.....	do.....	61.25
	Jos. W. Parker.....	do.....	19.20
	F. O. Pettey.....	do.....	67.50
24	Geo. S. Hickox.....	Expenses.....	8.40
	S. W. McClure.....	Traveling expenses.....	32.60
	R. A. Ramsay.....	do.....	17.25
	C. K. Schafer.....	do.....	24.65
	Loomer West.....	do.....	29.00
	A. E. Wight.....	do.....	39.25
	Total fourth quarter, 1904.....		59,933.64

## RECAPITULATION.

Total third quarter, 1904.....	\$25,880.78
Total fourth quarter, 1904.....	59,933.64
Total.....	\$85,814.42

## BUREAU OF ANIMAL INDUSTRY—RENT OF BUILDINGS.

Date.	Name.	Nature of payment.	Total.
1903.			
Aug. 14	J. H. Johnson & Son.....	Rent, July, 1903.....	\$150.00
Sept. 9	do.....	Rent, August, 1903.....	150.00
Oct. 8	do.....	Rent, September, 1903.....	150.00
Nov. 6	do.....	Rent, October, 1903.....	150.00
Dec. 5	do.....	Rent, November, 1903.....	150.00
1904.			
Jan. 12	do.....	Rent, December, 1903.....	150.00
Feb. 8	do.....	Rent, January, 1904.....	150.00
Mar. 11	do.....	Rent, February, 1904.....	150.00
Apr. 4	do.....	Rent, March, 1904.....	150.00
May 6	do.....	Rent, April, 1904.....	150.00
June 4	do.....	Rent, May, 1904.....	150.00
July 14	do.....	Rent, June, 1904.....	150.00
	Total rent.....		1,800.00

## PAID BY TREASURY.

1904.			
Feb. 10	The Public Printer.....	Bulletins Nos. 45 R and 1536 C.....	\$163.60
Mar. 11	do.....	Binding 30 books.....	20.00
June 20	do.....	Binding 600 copies special report.....	450.00
Sept. 8	Northern Pacific Rwy. Co.....	Passenger transportation.....	45.50
	Total.....		689.10

Expenditures of the Department of Agriculture for fiscal year ending June 30, 1904—Cont'd.

## LABORATORY.

Date.	Name.	Nature of payment.	Total.
1903.			
July 31	J. K. Haywood et al.	Salaries	\$2,959.49
Aug. 1	H. W. Wiley	Traveling expenses	88.75
10	W. B. Alwood	Salary	50.00
14	A. L. Winton	Traveling expenses	3.81
	Wm. Frear	do	81.69
	do	do	24.72
	J. R. Galloway	Electric cable	2.50
	J. H. Johnson & Son	Rent	208.33
	S. J. Beveridge	do	25.00
15	Francis Miller	Glass	1.68
	American Writing Machine Co.	Paper	23.75
	The Smith Premier Typewriter Co.	Typewriter	87.75
17	Yawman & Erbe Manufacturing Co.	Guides, etc.	3.90
	Mallinckrodt Chemical Works	Chemicals	3.23
18	Delano & Moore	Plates, etc.	9.84
	Woodward & Lothrop	Soap, etc.	9.13
	do	7 yards warp	2.01
	Z. D. Gilman	Chemicals	2.30
19	Bausch & Lomb Optical Co.	Tubes	2.20
	Christian Becker	Balance	110.00
	Mallinckrodt Chemical Works	Chemicals	17.00
	do	do	47.00
	Henry Heil Chemical Co.	do	5.20
20	M. Du Perow	Fan blade	2.50
	do	Cut oats, etc.	2.76
21	Francis Miller	Glass	1.31
22	Bernard H. Smith	Traveling expenses	4.00
24	Lyman F. Kebler	do	51.12
25	Eimer & Amend	Apparatus, etc.	22.45
	do	Burettes, etc.	35.03
27	E. G. Schafer & Co.	Plugs	.72
	do	Bushings	2.61
31	J. K. Haywood et al.	Salaries	2,856.64
Sept. 4	Potomac Electric Power Co.	Electric current	10.81
	Washington Gas Light Co.	Gas	36.50
8	W. B. Alwood	Salary	50.00
9	J. B. Espey	Bolts, etc.	6.85
	Christian Becker	Balance	110.00
	J. H. Johnson & Son	Rent	208.33
10	Hugh Reilly	Glue	1.00
	U. S. Envelope Co.	Envelopes	20.43
	J. H. Bunnell & Co.	Batteries	4.80
	do	Key-sockets	1.95
	Eimer & Amend	Chemicals	.65
	do	do	8.15
	Merck & Co.	do	.79
	Capital Traction Co.	120 tickets	5.00
	F. A. Schmidt	Calculating machine	32.00
	Francis Miller	Glass lights	3.84
	R. P. Clarke Co.	Toweling	11.75
11	W. T. Darrow	Salary	9.68
	Sanders & Stayman Co.	Violin screws	1.25
	The Smith Premier Typewriter Co.	Repairs	5.00
	Stark Tool Co.	Wire clinks	24.75
	The Zanesville Stoneware Co.	Rings	4.05
15	Louis Smith	Hauling broken brick	1.00
16	F. P. Veitch	Traveling expenses	17.49
18	W. D. Bigelow	do	28.59
21	Thos. Somerville & Sons	Castings, etc.	4.20
	R. P. Andrews & Co. (Incorporated)	Clips	.27
	National Electrical Supply Co.	Fan, etc.	11.00
	do	Card	.94
	E. G. Schafer & Co.	Tees	2.40
	Hugh Reilly	Paint, etc.	3.50
24	Library Bureau	Sets of guides	7.70
	Henry Heil Chemical Co.	Beakers	94.25
	do	Pipettes	23.10
	Queen & Co. (Incorporated)	Alcohol	6.00
	The Okonite Co. (Limited)	Wire	.62
	M. Du Perow	Knife switch	.60
30	J. K. Haywood et al.	Salaries	2,747.71
	Total first quarter		10,255.37
Oct. 3	Delano & Moore	Plates	2.37
8	Susan J. Beveridge	Rent	25.00
	do	do	25.00
	J. Harrison Johnson & Son	do	208.33
9	Wm. B. Alwood	Salary	50.00
10	Rudolph, West & Co.	Brush	1.88



Expenditures of the Department of Agriculture for fiscal year ending June 30, 1904—Cont'd.

## LABORATORY—Continued.

Date.	Name.	Nature of payment.	Total.
1903.			
Oct. 10	Z. D. Gilman	Thermometers, etc	\$117.67
	Washington Gas Light Co.	Gas	23.90
	do	do	25.80
	Woodruff Manufacturing Co.	Cabinet	43.17
	James B. Lambie Co. (Incorporated)	Hatchet, etc	.72
	do	Cotton waste, etc	9.16
	Delano & Moore	Photo supplies	9.30
	Francis Miller	Glass	1.07
	Thos. Somerville & Sons	Pipe	7.23
	Woodward & Lothrop	Soap, etc	11.63
	Potomac Electric Power Co.	Current	13.30
	do	do	6.38
12	Church & Stephenson	Lumber	16.00
	Dulin & Martin Co.	Crocks, etc	2.61
	John B. Espey	Fan and wire	27.70
	Standard Oil Co.	Oil	5.00
	Barber & Ross	Meat chopper, etc	7.40
	Densmore Typewriter Co.	Repairs to typewriter	.55
	Fred. A. Schmidt	Cross-section paper	7.65
	John C. Parker	Gummed paper, etc	5.15
21	Eimer & Amend	Chemicals, etc	38.35
	do	Tubing	5.83
22	Emil Greimer	Burettes	14.85
	Library Bureau	Cards	14.10
	do	Tin tray	1.75
	Whitall, Tatum & Co.	Flasks	58.36
	Queen & Co. (Incorporated)	Lamps	17.00
	do	Dishes	63.21
23	J. Baumgarten & Sons	Wax seal	1.25
	F. A. Tschiffely, jr.	Bottles	3.22
	Ernest Betz	Copper tank	21.75
	Dulin & Martin Co.	Dishes	9.45
	The Mathy Co. (Incorporated)	Water baths (copper)	34.00
	James B. Lambie Co. (Incorporated)	Padlocks	.67
	Thos. Somerville & Sons	Pipe, etc	53.42
	National Electrical Supply Co.	Repairs	1.00
	John Lucas Co.	Cans	18.00
	U. S. Mailing Case Co.	Mailing	1.92
	Perfection Chemical Co.	Fumigators	4.25
	Sharpe & Dohme	Acid	19.75
	The Grove Lime and Coal Co.	Lime	.65
	George T. Ennis	Brass casting, etc	4.56
	J. Ross Collins	Cotton bags	24.82
	Franz Zerrahen	Wine	.84
	Eberhard Faber	Rubbers	1.30
24	Emil Greimer	Rubber stoppers	55.00
	P. Pasteur & Co.	Oil	1.00
	The Torsion Balance Co.	Scale	22.50
	The Zanesville Stoneware Co.	Rings, etc	6.20
	Christian Becker	Repairing balance	32.25
	do	Repairing weights	8.13
28	The Chesapeake and Potomac Telephone Co.	Telephone service	6.25
	Blue Line Transfer Co.	Transportation	.87
	Brown Bros	Potatoes, etc	6.00
	Delano & Moore	Photo supplies	1.47
	The Geo. W. Knox Express Co.	Transportation	1.17
	Mackall Bros	Jars	21.28
29	Whitall, Tatum Co.	do	15.40
	do	Spats, etc	6.94
31	J. H. Haywood et al.	Salaries	2,593.28
Nov. 2	William Frear	Salary	82.26
4	Walter Schumann	Reimbursement for cablegrams	64.83
	Richard M. Bartleman	do	18.68
	Wm. Henry Bishop	do	5.23
	Geo. H. Murphy	do	36.41
	J. Harrison Johnson & Son	Rent	208.33
7	William Frear	Salary	50.00
9	Bernard H. Smith	Traveling expenses	24.25
	H. W. Wiley	Expenses	19.83
10	Wm. B. Alwood	Salary	50.00
16	G. E. Colby	do	29.00
17	Harold S. Van Buren	Cablegrams	3.38
	Victor H. Morgan	do	9.04
	A. Homer Byington	do	75.56
19	L. S. Depue	Oats, etc	1.16
20	U. S. Mailing Case Co.	Cases, etc	8.16
	Manning, Maxwell & Moore	Weights	12.00
	Tuccolli & Pieretti	Oil, etc	2.70
	H. J. Patterson	Butter	12.30
	Curtice Brothers Co.	Canned goods	38.16

Expenditures of the Department of Agriculture for fiscal year ending June 30, 1904—Cont'd.

## LABORATORY—Continued.

Date.	Name.	Nature of payment.	Total.
1903.			
Nov. 20	Auguste Sandoz .....	Bread .....	\$11.40
	Curtice Brothers Co. ....	Canned goods .....	44.01
	Walter Hansing .....	Cablegrams .....	24.56
21	Z. D. Gilman .....	Weights .....	26.44
	Mackall Bros. ....	Jars .....	79.93
	Remington Typewriter Co. ....	Letter paper .....	4.70
	Water Department D. C. ....	Water pipe .....	76.80
	Rudolph, West & Co. ....	Locks, etc. ....	7.89
	Washington Gas Light Co. ....	Gas .....	32.50
23	Whitall, Tatum Co. ....	Pipettes .....	39.60
	.....do.....	Air baths, etc. ....	48.79
	Henry Heil Chemical Co. ....	Crucibles .....	7.50
	The Torsion Balance Co. ....	Truss rewired .....	.30
	Queen & Co. (Incorporated) ..	Calcium chloride .....	4.50
25	Edward H. Jenkins .....	Traveling expenses ..	53.17
	W. D. Bigelow .....	.....do.....	58.82
30	Jas. A. Smith .....	Cablegrams .....	54.22
	J. K. Haywood et al. ....	Salaries .....	2,553.60
Dec. 1	M. Du Perow .....	Cut-outs .....	.72
	Geo. F. Muth & Co. ....	Kalsomine, etc. ....	3.55
	Z. D. Gilman .....	Tubing, etc. ....	139.17
	Potomac Electric Power Co. ....	Electric current .....	11.53
	.....do.....	Lamps .....	10.16
	Edw. S. Schmid .....	Rabbits and pigs .....	3.00
	The Smith Premier Typewriter Co. ....	Repairs .....	13.15
	Hugh Reilly .....	Brushes .....	.88
	Capital Traction Co. ....	Tickets .....	5.00
	James B. Lambie Co. ....	Wire gauge .....	3.56
	National Electrical Supply Co. ....	Card and tubing .....	4.07
	Thos. Somerville & Sons .....	Pipe, etc. ....	9.24
	The Geo. W. Knox Express Co. ....	Transportation .....	.78
	E. G. Schafer & Co. ....	Packing, etc. ....	3.95
	.....do.....	Plumber's supplies ..	7.37
	Densmore Typewriter Co. ....	Covers .....	2.00
2	Fred C. White .....	Cans .....	9.00
	.....do.....	.....do.....	9.00
	Eimer & Amend .....	Pipettes, etc. ....	23.70
	.....do.....	Watch glasses .....	15.54
	.....do.....	Lamps, etc. ....	15.00
	Bausch & Lomb Optical Co. ....	Incubator, etc. ....	13.99
	Edward Green .....	Capsules .....	1.00
	Capital Traction Co. ....	Tickets .....	5.00
	Woodward & Lothrop .....	Desk .....	21.63
	Delano & Moore .....	Photo supplies .....	6.33
	R. P. Clarke Co. ....	Toweling .....	25.00
	Dulin & Martin Co. ....	Sausage grinder .....	1.80
	Ernest Betz .....	Tubes .....	13.76
	Chas. H. Javins & Sons .....	Provisions .....	21.01
	J. S. Thompson .....	Milk and cream .....	24.88
	John C. Rau .....	Wire .....	1.15
	Engle Brothers Co. ....	Provisions .....	26.40
	Whitall, Tatum Co. ....	Glass rods .....	5.05
	.....do.....	Flasks .....	31.60
	Queen & Co. (Incorporated) ..	Ammonia, etc. ....	31.25
	Henry Heil Chemical Co. ....	Peptone .....	.75
	Wm. H. Dyer .....	Storm windows .....	12.00
	A. A. Winfield .....	Provisions .....	21.72
	.....do.....	Chickens .....	1.00
	Mackall Bros. ....	Chemicals, etc. ....	154.12
	Julius Wile Sons & Co. ....	Wines .....	12.17
	G. M. Mann .....	Meat .....	24.42
	Henry Lauts & Co. ....	Claret .....	1.34
	Fascal, Dubsdat & Co. ....	.....do.....	1.68
	Curtice Brothers Co. ....	Canned goods .....	13.23
	Allis-Chalmers Co. ....	Steel .....	2.22
	F. Hollander & Co. ....	Wine .....	3.66
	W. J. Brown & Sons .....	Wine .....	1.91
	The Mathy Co. ....	Boiler .....	9.00
	.....do.....	Iron stands .....	19.80
3	The Torsion Balance Co. ....	Repairs .....	1.80
	The American Distributing Co. ....	Alcohol .....	38.40
	The Burnet Co. ....	Batteries .....	3.30
4	Louis Smith .....	Hauling .....	1.00
	Wm. B. Alwood .....	Traveling expenses ..	18.90
	Wm. Frear .....	.....do.....	56.90
	Melville A. Scovell .....	.....do.....	77.45
	Henry A. Weber .....	.....do.....	68.50
	R. J. Davidson .....	Salary .....	77.42
	Edward H. Jenkins .....	.....do.....	45.00
	Wm. F. Frear .....	.....do.....	18.33

Expenditures of the Department of Agriculture for fiscal year ending June 30, 1904—Cont'd.

## LABORATORY—Continued.

Date.	Name.	Nature of payment.	Total.
1903.			
Dec. 4	Wm. F. Frear .....	Salary .....	\$50.00
	Henry A. Weber .....	do .....	45.00
5	M. A. Scoville .....	do .....	45.00
	Walter R. Lewis .....	do .....	4.50
8	Wm. B. Alwood .....	do .....	50.00
10	H. W. Wiley .....	Expenses .....	11.17
14	Chas. H. Javins .....	Oysters, etc. ....	18.72
	Auguste Sandoz .....	Bread .....	17.00
	Chas. W. Brown .....	Apples, etc. ....	3.70
	Pechin & Johnson .....	Reporting .....	100.00
	The J. C. Ergood Co. ....	Provisions .....	51.00
	do .....	do .....	27.03
	G. M. Mann .....	do .....	58.83
	Joel Gutman .....	Wine .....	3.00
	George E. Colby .....	Salary .....	30.00
	J. Harrison Johnson & Son .....	Rent .....	208.33
16	H. J. Patterson .....	Butter .....	10.80
17	Wm. B. Alwood .....	Traveling expenses .....	3.00
	Queen & Co. (Incorporated) .....	Tubes .....	16.36
	Harris Comer .....	Pipettes .....	3.00
	Yawman & Erbe Manufacturing Co. ....	Indexes .....	3.25
	Mallinckrodt Chemical Works .....	Chemicals .....	52.87
	do .....	do .....	14.45
	Emil Geiner .....	Balance .....	22.50
	H. Jaeger & Co. ....	Wine .....	5.95
	Eimer & Amend .....	Tubing .....	10.60
	Slee & Eisenbrandt .....	Bronze .....	5.00
	Standard Oil Co. ....	Gasoline .....	9.01
	do .....	do .....	8.67
	J. T. Walker Sons .....	Paint .....	1.50
	Joseph L. Crupper .....	Sawdust .....	.80
	W. B. Moses & Sons .....	Chair, etc. ....	8.05
	Edward Green .....	Capsules .....	1.30
	Geo. T. Ennis .....	Casting .....	5.93
	Daremus Machine Co. ....	Shafting .....	1.50
	J. K. Bishop .....	Photo supplies .....	2.47
	A. J. McKee & Co. ....	Scapel, etc. ....	4.00
	H. C. Coburn .....	Butter, etc. ....	6.00
	Bellvue Dairy Farm .....	Milk .....	18.75
	J. S. Thompson .....	do .....	17.72
	A. A. Winfield .....	Chickens .....	2.00
	do .....	Provisions .....	50.43
	Geo. F. Muth & Co. ....	Bronze, etc. ....	2.66
	E. G. Schafer & Co. ....	Plumber's materials .....	11.17
	James B. Lambie Co. (Incorporated) .....	Netting, etc. ....	1.50
	Rudolph, West & Co. ....	Hardware .....	1.62
	Fred. A. Schmidt .....	Sealing wax .....	.75
	Edgar J. Hulse .....	Copper .....	3.00
	Susan J. Beveridge .....	Rent .....	25.00
	do .....	do .....	25.00
19	Curtice Bros. Co. ....	Canned goods .....	32.82
26	James P. Smith & Co. ....	Beef extract .....	4.96
	J. E. Hurley .....	Smokestack .....	24.00
28	Eimer & Amend .....	Blocks .....	3.10
	Geo. W. Caswell Co. ....	Food samples .....	1.23
	Schieffelin & Co. ....	do .....	2.75
	J. K. Haywood .....	Expenses .....	11.70
	W. B. Moses & Sons .....	Chair .....	5.50
	Z. D. Gilman .....	Chemicals, etc. ....	76.58
	do .....	do .....	38.75
29	F. W. Bolgiano & Co. ....	Fertilizer .....	.75
31	J. K. Haywood et al. ....	Salaries .....	2,687.65
	Total second quarter .....		12,915.24
1904.			
Jan. 2	F. G. Perkins .....	Salary .....	50.00
7	Wilbert Melville .....	Photographs .....	15.00
	George T. Ennis .....	Casting .....	6.25
	Thos. Somerville & Sons .....	Lampwick, etc. ....	3.74
	Hugh Reilly .....	Paint .....	1.60
	Capital Traction Co. ....	Tickets .....	5.00
	Woodward & Lothrop .....	Soap, etc. ....	8.48
	John C. Parker .....	Paper .....	6.25
	Potomac Electric Power Co. ....	Electric current .....	19.26
	Washington Gas Light Co. ....	Gas .....	64.40
8	Z. D. Gilman .....	Blow bulbs, etc. ....	30.69
	Woodruff Manufacturing Co. ....	Cardcase .....	16.50
12	Chas. H. Javins & Sons .....	Chickens, etc. ....	6.06
	H. C. Coburn .....	Butter and eggs .....	87.02



Expenditures of the Department of Agriculture for fiscal year ending June 30, 1904—Cont'd.

## LABORATORY—Continued.

Date.	Name.	Nature of payment.	Total.
1904.			
Jan. 12	Susan J. Beveridge.....	Rent.....	\$25.00
14	Wm. B. Alwood.....	Salary.....	50.00
	George E. Colby.....	do.....	50.00
	Curtice Bros. Co.....	Canned goods.....	22.05
	G. M. Mann.....	Meat.....	56.24
	Eimer & Amend.....	Crucibles.....	10.50
	Mallinckrodt Chemical Works.....	Chemicals.....	8.00
	Queen & Co. (Incorporated).....	Bulbs.....	3.95
	R. J. Davidson.....	Salary.....	50.00
	The American Distributing Co.....	Alcohol.....	32.05
	Thompson & Leavitt.....	Wine.....	2.69
	Stephen L. Bartlett.....	Chocolate.....	.74
	William L. Strauss & Co.....	Wine.....	4.39
	Hansell & Luneschloss.....	do.....	7.53
	Chas. F. Schmidt & Peters.....	do.....	2.68
	Carl Zeiss.....	Repairs to objective.....	3.95
	The Hamilton Manufacturing Co.....	Unit of cabinet.....	12.00
	F. L. Lee.....	Expressage.....	4.80
	J. Bishop & Co.....	Wire.....	20.47
16	J. H. F. Hahn.....	Tubing.....	6.80
	Bausch & Lomb Optical Co.....	Dishes, etc.....	1.66
	Eimer & Amend.....	Sodium.....	15.75
	do.....	Chemicals.....	19.05
	John Lucas & Co.....	Cans.....	13.50
	Apfel-Murdoch Co.....	Slide boxes.....	1.00
	Henry Heil Chemical Co.....	Chemicals.....	8.40
	do.....	do.....	16.40
18	Pietro Cuneo.....	Cablegrams.....	21.26
	A. A. Winfield.....	Provisions.....	48.20
	Woodward & Lothrop.....	Soap.....	7.73
	Dulin & Martin Co.....	Crocks.....	3.00
	Hugh Reilly.....	Shellac.....	1.20
	Bellvue Dairy Farm.....	Milk and cream.....	30.45
	Auguste Sandoz.....	Bread.....	17.05
	Dinsmore & Singleton.....	Repairs to calorimeter.....	328.00
	Arthur H. Thomas Co.....	Beakers, etc.....	113.66
19	Emil Greimer.....	Flasks.....	146.40
	Chas. D. Stone & Co.....	Wine, etc.....	3.50
	W. H. Schimpferman Co.....	do.....	3.00
20	P. Pastene & Co.....	Oil.....	2.70
25	H. W. Wiley.....	Expenses.....	12.03
26	Curtice Bros. Co.....	Canned fruit.....	36.81
	Queen & Co. (Incorporated).....	Condensers.....	8.98
	Whitall, Tatum Co.....	Asbestos board.....	3.75
	do.....	Spatulas, etc.....	17.97
	Eimer & Amend.....	Jars, etc.....	24.50
	do.....	Acid.....	.83
	The J. L. Mott Iron Works.....	Strainers.....	3.00
	C. D. Stone & Co.....	Wine.....	2.70
	U. S. Mailing Case Co.....	Cases and bottles.....	8.16
	U. S. Envelope Co.....	Envelopes.....	17.56
	E. J. Lewis.....	Oxygen.....	10.00
	Henry Heil Chemical Co.....	Beakers.....	3.69
	Delano & Moore.....	Plates.....	1.95
	G. G. Cornwell & Son.....	Wine.....	1.54
	Berger Bros.....	Boiler.....	25.00
	J. E. Hurley.....	Repairing pump.....	5.00
	Chas. R. Edmonston.....	Tube, etc.....	1.25
	J. Harrison Johnson.....	Rent.....	131.53
27	Rudolph, West & Co.....	Wire nails.....	.26
	James B. Lambie Co.....	Screws, etc.....	4.32
	Barber & Ross.....	Buckets, etc.....	3.20
	Z. D. Gilman.....	Bunsen burners.....	65.86
	Geo. F. Muth & Co.....	Bronze.....	.60
	Potomac Electric Power Co.....	Electric current.....	22.64
	J. H. Thieriot.....	Cablegrams.....	6.60
29	Jos. Campbell Preserve Co.....	Canned soup.....	3.88
	Z. D. Gilman.....	Thermometers, etc.....	42.83
31	J. K. Haywood et al.....	Salaries.....	2,824.21
Feb. 3	Washington Gas Light Co.....	Gas.....	61.70
	Mackall Bros.....	Chemicals, etc.....	373.20
	M. Du Perow.....	Electric fittings.....	1.08
8	The Chesapeake and Potomac Telephone Co.....	Telephone service.....	6.25
	Pietro Cuneo.....	Cablegrams.....	12.45
9	H. W. Wiley.....	Expenses.....	28.63
	Lamb & Tilden.....	Stencils.....	3.30
	G. M. Mann.....	Provisions.....	47.10
	Auguste Sandoz.....	Bread.....	14.80
	D. Wm. Oyster.....	Butter.....	26.48

Expenditures of the Department of Agriculture for fiscal year ending June 30, 1904—Cont'd.

## LABORATORY—Continued.

Date.	Name.	Nature of payment.	Total.
1904.			
Feb. 9	John B. Espey.....	Locks.....	\$17.75
	R. P. Clarke Co.....	Toweling.....	11.53
	Bellvue Dairy Farm.....	Milk and cream.....	32.28
	Susan J. Beveridge.....	Rent.....	25.00
	J. Harrison Johnson & Son.....	.....do.....	208.33
	Ernest Betz.....	Tubes for cans.....	10.50
	Barber & Ross.....	Grater, etc.....	1.40
11	Wm. B. Alwood.....	Salary.....	50.00
	George E. Colby.....	.....do.....	42.00
	R. J. Davidson.....	.....do.....	22.58
12	The Garden City Sand Co.....	Sand.....	6.40
23	The Randolph Paper Box Co.....	Boxes.....	13.00
	Menzel & Co.....	Ham.....	4.24
	Mallinckrodt Chemical Works.....	Chemicals.....	17.95
	Aug. Luchow.....	Caviar.....	13.75
	J. T. Silva Banking and Commercial Co.....	Beer.....	1.60
	Chas. D. Stone & Co.....	Oil and wine.....	2.93
	U. S. Mailing Case Co.....	Cases and bottles.....	8.16
	Henry Luchemann.....	Wine.....	2.75
	T. Lenzie & Co.....	Oil.....	.84
	Victor Lemke.....	Wine.....	2.25
	Francis H. Leggett & Co.....	Olive oil.....	2.60
	Lamanna, Azema & Farnan.....	Sauce.....	2.00
	Emil Greiner.....	Cylinders.....	26.94
	Paul Gelpi & Son.....	Wine.....	2.85
	.....do.....	.....do.....	.65
	Ad. Chr. Engelbrecht.....	.....do.....	2.02
	Eimer & Amend.....	Filter paper.....	11.25
	.....do.....	Sodium.....	15.55
	.....do.....	Brushes.....	2.72
	J. Bishop & Co.....	Wire.....	21.90
	The Baker & Adamson Chemical Co.....	Bromine.....	4.25
	Arbuckle Bros.....	Coffee.....	14.41
	The American Distributing Co.....	Alcohol.....	39.55
24	Potomac Electric Power Co.....	Electric current.....	20.62
	Geo. F. Muth & Co.....	Scale.....	1.80
	E. Morrison Paper Co.....	Labels.....	12.29
	Francis Miller.....	Oil and glass.....	4.28
	Mackall Bros.....	Ether, etc.....	288.42
	The Geo. W. Knox Express Co.....	Transportation.....	10.42
	Woodward & Lothrop.....	Soap.....	3.75
	A. A. Winfield.....	Provisions.....	48.42
	Washington Gas Light Co.....	Gas.....	33.10
	E. F. Vermillion.....	Inspecting boiler.....	5.00
	H. C. Coburn.....	Eggs.....	1.05
	Adams Express Co.....	Transportation.....	78.74
	Capital Traction Co.....	Tickets.....	5.00
	Church & Stephenson.....	Lumber.....	6.49
	Dulin & Martin Co.....	Saucepans.....	4.80
	.....do.....	Crocks.....	2.40
	Z. D. Gilman.....	Desiccators, etc.....	190.10
	Thos. Somerville & Sons.....	Pulley, siphon, etc.....	14.85
	Louis Hartig.....	Files.....	3.20
	E. G. Schafer & Co.....	Valves.....	.76
	Woodward & Lothrop.....	Soap.....	2.40
27	Western Union Telegraph Co.....	Telegraph service.....	10.57
29	J. K. Haywood et al.....	Salaries.....	2,787.20
Mar. 3	The Mathy Co (Incorporated).....	Copper pans.....	1.20
	Thos. Somerville & Sons.....	Supplies for machine room.....	6.60
	Rudolph, West & Co.....	Shovel.....	.88
	E. J. Lewis.....	Oxygen.....	10.00
	Delano & Moore.....	Glycerin, etc.....	1.63
	Harvard Laundry Co.....	Laundry.....	15.10
	J. E. Hurley.....	Repairing engine.....	45.50
	The Geo. W. Knox Express Co.....	Transportation.....	4.67
4	Eimer & Amend.....	Pipettes, etc.....	51.95
5	Julius Wile Sons & Co.....	Wine.....	2.40
	Yawman & Erbe Manufacturing Co.....	Perforator.....	1.50
	Carl Zeiss.....	Haemacytometer, etc.....	13.11
	Ridenour Baker Grocery Co.....	Canned goods.....	1.14
	The Standard Calorimeter Co.....	Sodium.....	9.25
	John Weisenburger.....	Wine.....	3.81
	Whitall, Tatum Co.....	Bottles.....	4.17
	.....do.....	Flasks, etc.....	76.35
7	H. W. Wiley.....	Expenses.....	22.92
10	Geo. E. Colby.....	Salary.....	70.00
	Wm. B. Alwood.....	.....do.....	50.00
11	H. W. Wiley.....	Traveling expenses.....	41.65
	Postal Telegraph-Cable Co.....	Telegraph service.....	3.69

Expenditures of the Department of Agriculture for fiscal year ending June 30, 1904—Cont'd.

## LABORATORY—Continued.

Date.	Name.	Nature of payment.	Total.
1904.			
Mar. 11	U. S. Express Co.	Transportation	\$83.63
	Fred. A. Schmidt	Cross-section paper	96
16	Charles Caughy	Cablegrams	11.84
17	A. A. Winfield	Provisions	24.80
	J. Harrison Johnson & Sons	Rent	208.33
	Susan J. Beveridge	.....do	25.00
18	G. M. Mann	Provisions	69.44
	The J. C. Ergood Co.	Groceries	55.72
	Chas. H. Javins & Sons	Chickens, etc.	22.75
	D. Wm. Oyster	Butter and eggs	44.38
	Auguste Sandoz	Bread	22.90
21	John Lucas & Co.	Cans	2.16
	A. C. Rowe	Fire extinguishers	48.00
	Arthur H. Thomas Co.	Beakers	73.20
	Henry Vehslage	Ham, etc.	6.56
	J. K. Bishop	Photo supplies	2.57
	Fred. C. White	Alcohol cans	9.00
	J. Weber	Caviar	8.00
	Julius Wile, Sons & Co.	Wine	1.87
	The Baker & Adamson Chemical Co.	Potassium	13.00
	J. C. Bernhardt's Sons	Wine	1.41
	Wm. Albrecht	.....do	3.40
	Emil Greiner	Burettes	17.10
	Eimer & Amend	Bottles	12.00
	Geo. W. Caswell Co.	Olive oil	.83
	Fraz Schmidt & Haensch	Polariscope, etc.	99.00
22	Rudolph, West & Co.	Rules	.90
	Potomac Electric Power Co.	Electric current	21.99
	Mackall Bros	Chemicals	127.20
	E. J. Lewis	Oxygen	10.00
	Harvard Laundry Co.	Washing towels	.12
	John B. Espey	Locks, etc.	7.98
	Delano & Moore	Photo supplies	4.85
	Thos. Somerville & Sons	Steam fittings, etc.	25.17
	Woodward & Lothrop	Can openers	.60
	Washington Gas Light Co.	Gas	65.10
	The Tolman Laundry	Laundry work	.87
	E. G. Schafer & Co.	Pipe	1.15
24	Bellvue Dairy Farm	Milk and cream	33.43
	C. A. Dammann & Co.	Wine	3.00
	The German-American Provision Co.	Ham	5.94
	P. Pastene & Co.	Oil	1.60
	C. D. Stone & Co.	Oil, etc.	2.93
26	W. D. Bigelow	Expenses	70.18
	F. W. Bolgiano & Co.	Cart	6.75
	R. Carter Ballantyne	Cases, etc.	19.52
	Bausch & Lomb Optical Co.	Lancet, etc.	6.23
	Barber & Ross	Hasps, etc.	.40
	Ernest Betz	Tubes	1.68
	Capital Traction Co.	Tickets	5.00
	Leidy S. Deputie	Feed	3.72
	Eimer & Amend	Crucibles	11.15
	.....do	Glasses, etc.	11.25
	.....do	Flasks, etc.	21.15
	Frosberg & Murray	Repairing boiler	22.50
	Z. D. Gilman	Tubing, etc.	75.05
	Henry Heil Chemical Co.	Pencils	2.00
	.....do	Cylinders	62.17
	The Geo. W. Knox Express Co.	Transportation	2.02
	Library Bureau	Trays	2.00
	Mackall Bros	Beakers, etc.	250.07
	.....do	Potash	5.70
	Mallinckrodt Chemical Works	Chemicals	18.13
	.....do	Sodium	22.00
	The J. L. Mott Iron Works	Iron jacket	11.50
	The Mathy Co. (Incorporated)	Cans	73.00
	Potomac Electric Power Co.	Lamps	5.34
	Queen & Co (Incorporated)	Alcohol, etc.	12.30
	Thos. Somerville & Sons	Repairing, etc.	10.05
	.....do	Steam trap, etc.	13.70
	E. G. Schafer & Co.	Unions	1.98
	U. S. Envelope Co.	Envelopes	3.43
29	F. P. Veitch	Traveling expenses	50.73
31	J. K. Haywood et al.	Salaries	3,071.10
	Total, third quarter		14,929.41
April 6	H. W. Wiley	Expenses	29.89
May 7	J. Harrison Johnson & Son	Rent	208.33



Expenditures of the Department of Agriculture for fiscal year ending June 30, 1904—Cont'd.

## LABORATORY—Continued.

Date.	Name.	Nature of payment.	Total.
1904.			
April 9	Wm. B. Alwood.....	Salary.....	\$50.00
	Geo. E. Colby.....	do.....	85.00
	National Electric Supply Co.....	Sockets.....	3.60
	Joseph P. Smith.....	Basket.....	1.00
	G. M. Mann.....	Provisions.....	67.88
	James B. Lambie Co.....	Wire gauze.....	3.54
	R. P. Andrews & Co. (Incorporated).....	Cardboard.....	3.20
	Susan J. Beveridge.....	Rent.....	25.00
	R. P. Clarke Co.....	Toweling.....	12.50
	Brown Bros.....	Potatoes.....	2.30
	The Geo. W. Knox Express Co.....	Transportation.....	1.43
	Washington Gas Light Co.....	Gas.....	68.10
	Potomac Electric Power Co.....	Electric current.....	20.85
11	The Baker & Adamson Chemical Co.....	Acid.....	6.00
	Carey Machinery and Supply Co.....	Pulley.....	1.60
	Curtice Bros. Co.....	Canned goods.....	43.80
	Eimer & Amend.....	Chemicals.....	6.90
	do.....	do.....	6.80
	Charles Graef & Co.....	Wine.....	4.88
	Henry Heil Chemical Co.....	Beakers.....	50.70
12	Whitall, Tatum Co.....	Reagents.....	3.64
	Queen & Co. (Incorporated).....	Flasks.....	13.15
	Baker & Co. (Incorporated).....	Repairing.....	49.50
14	Chas. H. Javins & Sons.....	Oysters.....	4.50
	The Tolman Laundry.....	Laundry.....	2.70
	Auguste Sandoz.....	Bread.....	18.70
	D. Wm. Oyster.....	Butter, etc.....	29.55
15	Edw. J. Crowley.....	Salary.....	10.50
18	A. A. Winfield.....	Provisions.....	43.82
	Postal Telegraph-Cable Co.....	Telegraph service.....	1.59
	Brown Bros.....	Potatoes.....	4.00
19	Eastern Drug Co.....	Oil and wine.....	3.52
	Curtice Bros. Co.....	Canned goods.....	16.47
22	Queen & Co. (Incorporated).....	Paraffin, etc.....	10.18
	Merck & Co.....	Scales, etc.....	7.54
	J. W. Schaefer.....	Caviar.....	8.00
	W. A. Taylor & Co.....	Wine.....	.84
	Drake Bros. Co.....	Oil.....	2.20
	Eimer & Amend.....	Tubing, etc.....	33.55
	do.....	Watch glasses.....	10.70
	E. C. Hazard.....	Oil.....	1.85
25	American Writing Machine Co.....	Paper.....	23.75
	Dulin & Martin Co.....	Crocks.....	3.00
	do.....	Chopper, etc.....	2.30
	Delano & Moore.....	Photo supplies.....	10.19
	Standard Oil Co.....	Gasoline.....	9.27
28	W. B. Moses & Sons.....	Elm stools.....	1.80
	The Chesapeake and Potomac Telephone Co.....	Telephone service.....	6.25
29	Levi Ottenheimer.....	Bottles.....	9.11
	Henry Heil Chemical Co.....	Chemical.....	.82
	Arbuckle Bros.....	Coffee.....	10.00
30	Edw. J. Crowley.....	Salary.....	13.50
	J. K. Haywood et al.....	Salaries.....	3,119.96
May 4	Emil Greiner.....	Rubber stoppers.....	60.00
	Kildall Fish Co.....	Fishballs, etc.....	3.75
	Whitall, Tatum Co.....	Vials.....	5.72
	J. C. Bernhardt's Sons.....	Boxing bottles.....	2.00
	John Miller & Co.....	do.....	2.58
	The Standard Calorimeter Co.....	Sodium.....	9.25
	Queen & Co. (Incorporated).....	Chemical.....	30.00
	Mallinckrodt Chemical Works.....	do.....	15.96
	Midget Novelty Co.....	Stapling machine, etc.....	4.25
	Eimer & Amend.....	Chemicals.....	15.25
	do.....	Pipette, etc.....	8.50
	Kolesch & Co.....	Slide rule.....	20.00
6	Wm. L. Dunham.....	Repairing machine.....	15.00
	D. Frank Parker.....	Carbon paper, etc.....	2.80
	National Electric Supply Co.....	Soldering iron.....	7.20
	do.....	Silk cord.....	1.87
	Francis Miller.....	Glass.....	1.85
	Remington Typewriter Co.....	Typewriter, etc.....	96.95
	The Baker & Adamson Chemical Co.....	Potassium.....	12.00
	J. Harrison Johnson & Son.....	Rent.....	208.33
7	Thos. Chick.....	Salary.....	49.50
11	Wm. B. Alwood.....	do.....	50.00
	H. W. Wiley.....	Expenses.....	28.51
12	Paul Gelpi & Son.....	Wine.....	2.39
	J. Baumgarten & Son.....	Type.....	.35
	F. P. May & Co.....	Traps.....	2.76
	S. Kann, Sons & Co.....	Toweling.....	9.00

Expenditures of the Department of Agriculture for fiscal year ending June 30, 1904—Cont'd.

## LABORATORY—Continued.

Date.	Name.	Nature of payment.	Total.
1904.			
May 12	Mrs. A. A. Winfield.....	Bon Ami.....	\$2.00
	Susan J. Beveridge.....	Rent.....	25.00
13	Thos. Somerville & Son.....	Clamps, etc.....	25.90
	Rex Sanitary Appliance Co.....	Disinfectors.....	8.00
	Z. D. Gilman.....	Chemicals, etc.....	134.76
	Western Union Telegraph Co.....	Telegraph service.....	8.70
	Woodward & Lothrop.....	Chairs, etc.....	22.14
	E. J. Lewis.....	Oxygen.....	10.00
	The Geo. W. Knox Express Co.....	Transportation.....	2.79
	Blue Line Transfer Co.....	.....do.....	.40
	.....do.....	.....do.....	3.77
	Barber & Ross.....	Bucket.....	1.79
	Capital Traction Co.....	Tickets.....	5.00
	James B. Lambie Co. (Incorporated).....	Cotton waste, etc.....	15.11
	American Writing Machine Co.....	Bond paper.....	23.75
	Rudolph, West & Co.....	Brushes, etc.....	3.54
14	E. J. Crowley.....	Services.....	18.00
16	Wm. A. Prickett.....	Cablegram.....	1.96
	George E. Colby.....	.....do.....	40.00
17	Edw. J. Crowley.....	.....do.....	3.00
18	Smith, Kline & French Co.....	Opium.....	18.50
	Geo. D. Feidt & Co.....	Chemicals.....	40.98
	.....do.....	.....do.....	10.20
	Bellvue Dairy Farm.....	Milk and cream.....	64.70
	A. A. Winfield.....	Provisions.....	61.05
	D. Wm. Oyster.....	.....do.....	30.55
	Auguste Sandoz.....	Bread.....	17.15
	G. M. Mann.....	Meat.....	61.29
19	Eimer & Amend.....	Chemicals, etc.....	17.90
	The Tolman Laundry.....	Laundry work.....	3.71
	Z. D. Gilman.....	Dishes, etc.....	49.24
	Thos. Somerville & Sons.....	Copper tubing, etc.....	16.29
	.....do.....	Packing.....	5.16
	Alex Schmid.....	Boxes.....	2.50
	The American Distributing Co. (A. I. Web- ber & Sons, Br.).....	Alcohol.....	38.50
20	.....do.....	Cans.....	39.07
	Queen & Co. (Incorporated).....	Chemicals.....	5.85
	Eimer & Amend.....	Flasks.....	19.30
	Library Bureau.....	Cards.....	28.85
	Philip G. Affleck.....	Liquozone.....	1.00
	Hugh Reilly.....	Asphaltum.....	1.60
	Francis Miller.....	Glass.....	1.07
	The Smith Premier Typewriter Co.....	Typewriter.....	87.75
	Woodward & Lothrop.....	Cotton, soap, etc.....	11.23
	Rudolph, West & Co.....	Pliers, etc.....	1.20
	Church & Stephenson.....	Lumber.....	7.15
	Pascal, Dubedat & Co.....	Wine.....	1.03
	Weis Bros.....	.....do.....	2.73
	The Holtz & Freystedt Co.....	Ham, etc.....	9.55
	Valerio Dalle Luche.....	Oil.....	1.25
24	Fred. A. Schmidt.....	Drawing paper.....	7.65
	Mackall Bros.....	Alcohol, etc.....	131.13
	The Torsion Balance Co.....	Repairs to balance.....	.30
	Queen & Co. (Incorporated).....	Chemicals, etc.....	15.81
	Emil Greiner.....	Crucible holders.....	10.44
	Capital Traction Co.....	Tickets.....	5.00
26	Washington Gas Light Co.....	Gas.....	50.60
	E. G. Schafer & Co.....	Tin pipe.....	10.00
	Thos. Somerville & Sons.....	Pipes, etc.....	1.24
	Potomac Electric Power Co.....	Electric current.....	12.51
	National Electric Supply Co.....	Reflectors, etc.....	6.30
27	H. W. Wiley.....	Traveling expenses.....	17.25
	.....do.....	.....do.....	49.20
31	Arthur Given.....	Expenses.....	24.40
	Jno. K. Haywood et al.....	Salaries.....	3,156.19
June 1	H. A. Weber.....	Salary.....	45.00
	.....do.....	Traveling expenses.....	79.60
	Edward H. Jenkins.....	.....do.....	30.70
	.....do.....	Salary.....	35.00
3	Eimer & Amend.....	Bottles, etc.....	7.05
	Dulin & Martin Co.....	Sauce pan.....	.81
	Densmore Typewriter Co.....	Repairs.....	.50
	D. H. Burrell & Co.....	Milk tester.....	21.00
	Brown Bros.....	Potatoes.....	4.00
	The American Distributing Co.....	Alcohol.....	59.35
	Adams Express Co.....	Transportation.....	230.87
	W. B. Moses & Sons.....	Stools and table.....	13.64
	S. C. Herbert Importing Co.....	Wine.....	2.92
	Henry Hell Chemical Co.....	Chemicals, etc.....	4.65

Expenditures of the Department of Agriculture for fiscal year ending June 30, 1904—Cont'd.

## LABORATORY—Continued.

Date.	Name.	Nature of payment.	Total.
1904.			
June 3	Henry Heil Chemical Co.	Chemicals, etc	\$8.60
	Mary E. Parker, executrix	Paper	6.25
	National Electric Supply Co.	Fan	26.50
	do.	do.	10.50
	U. S. Express Co.	Transportation	94.59
	Joseph P. Smith	Jelly	1.70
	Thos. Somerville & Sons	Fittings	2.66
4	Wickline & Campbell	Building skylight, etc	33.50
6	H. W. Wiley	Expenses	26.75
	Thomas Chick	Salary	51.00
	W. D. Bigelow	Expenses	29.74
	The Tolman Laundry	Laundry work	3.06
	Mallinckrodt Chemical Works	Chemicals	4.00
	do.	do.	10.81
	Queen & Co. (Incorporated)	Condensers	14.93
	do.	Bulbs	7.90
	D. Wm. Oyster	Butter and eggs	39.02
	Renauld & Niederstadt	Wine	7.52
	Alex Schmid	Boxes	2.25
	E. G. Schafer & Co.	Caps	1.22
8	Albert Parsons	Salary	50.00
	M. A. Scovell	do.	45.00
	Wm. B. Alwood	do.	50.00
	M. A. Scovell	Traveling expenses	84.35
11	F. B. Gardner	Expenses	1.35
	William Frear	Traveling expenses	65.50
	Geo. E. Colby	Salary	20.00
	G. M. Mann	Meat	59.96
20	J. Harrison Johnson & Son	Rent	208.33
	Church & Stephenson	Lumber	23.55
	Z. D. Gilman	Acid, etc	51.60
	J. H. Bunnell & Co.	Batteries	4.80
	Brown Bros.	Potatoes	4.00
	Mackall Bros	Chemicals	203.69
	National Electric Supply Co.	Fan blade	1.50
	do.	Starter	3.50
	do.	Repairs to motor	2.00
	Rudolph, West & Co.	Taps and dies	3.25
	do.	do.	4.59
	Potomac Electric Power Co.	Electric current	8.40
	W. B. Moses & Sons	Chair	9.00
	Mackall Bros	Chemicals	217.77
	Geo. F. Muth	Lead and oil	1.55
	do.	Fitches	1.12
	G. G. Cornwell & Son	Provisions	24.00
	A. Chichizola	Oil	.80
	D. Canale & Co.	Wine	2.95
	Chapin & Gore	do.	1.42
	Jos. Campbell Preserve Co.	Soup	10.80
	John Epler	Vinegar generator, etc.	9.50
	Chas. R. Edmonston	Buckets	1.20
	M. DuPerow	Bell	.65
	Adams Express Co.	Transportation	97.77
	Philip G. Affleck	Orangeine	.50
	Barber & Ross	Hasps, etc	1.00
	Bausch & Lomb Optical Co.	Bulbs	.55
	Bellvue Dairy Farm	Milk and cream	28.28
	James B. Lambie	Hooks, etc	.45
	The Geo. W. Knox Express Co.	Transportation	3.10
	Henry Heil Chemical Co.	Chemicals	4.59
	do.	do.	5.45
	O. G. Hempstead & Son	Wine	1.44
	Edward Hinkle Co.	Brandy	1.17
	Frank C. Henry	Orangeine	.50
	M. F. Hobson	Papering	18.50
	Emil Greiner	Rubber stoppers	18.75
	Mallinckrodt Chemical Works	Chemicals	14.15
	do.	do.	8.01
	Menzel & Co.	Ham	4.00
	Mullenhoff & Korber	Wine	3.19
	Meyer & Lange	Ham	5.40
	National Mortar Co.	Cement	2.10
	A. Porges	Wines	6.54
	Queen & Co. (Incorporated)	Alcohol squibbs	2.64
	Standard Oil Co.	Oil	11.67
	Fred. A. Schmidt	Mat board	1.00
	E. G. Schafer & Co.	Lead	3.69
	do.	Tank	3.70
	Chas. F. Schmidt & Peters	Wines	7.55
	Auguste Sandoz	Bread	16.45



Expenditures of the Department of Agriculture for fiscal year ending June 30, 1904—Cont'd.

## LABORATORY—Continued.

Date.	Name.	Nature of payment.	Total.
1904.			
June 20	B. F. Starr & Co. ....	Bolting cloth. ....	\$8. 63
	Western Union Telegraph Co. ....	Telegraph service. ....	26
	Washington Gas Light Co. ....	Gas. ....	63. 70
	Woodward & Lothrop. ....	Carpet. ....	10. 72
	do. ....	Shades, etc. ....	11. 50
	do. ....	Couch. ....	39. 00
	do. ....	Desks, etc. ....	81. 05
	The American Distributing Co. ....	Alcohol. ....	39. 21
	A. A. Winfield. ....	Provisions. ....	47. 25
	A. van Branchie. ....	Oil. ....	. 75
	Henry Vehslage. ....	Sausages. ....	. 90
	J. M. Vergnole. ....	Wines. ....	5. 50
	W. A. Taylor. ....	Oil. ....	2. 29
	Thos. Somerville & Sons. ....	Pulley. ....	1. 50
	do. ....	Supplies for machine room. ....	24. 41
	Thompson & Leavitt. ....	Wines. ....	10. 36
	Arthur H. Thomas Co. ....	Scale. ....	1. 50
21	H. W. Wiley. ....	Traveling expenses. ....	28. 10
25	Susan J. Beveridge. ....	Rent. ....	25. 00
29	A. Giovanni & Co. ....	Cognac. ....	2. 00
	Blue Line Transfer Co. ....	Transportation. ....	2. 21
	Francis Miller. ....	Glass. ....	6. 02
	David Leverone. ....	Oil. ....	1. 00
	The Geo. W. Knox Express Co. ....	Transportation. ....	1. 28
	James de Fremery & Co. ....	Wine. ....	5. 28
	Berkeley Co. ....	do. ....	1. 80
	Julius Wile Sons & Co. ....	Wines. ....	3. 39
	do. ....	do. ....	1. 79
	Polarios & Co. ....	Oil. ....	2. 00
	Mackall Bros. ....	Apparatus. ....	37. 49
	La Manna, Azema & Farnan. ....	Wine. ....	2. 15
	The Holtz & Freystedt Co. ....	do. ....	1. 38
	do. ....	do. ....	1. 54
	O. G. Hemstead & Son. ....	do. ....	1. 80
30	Jno. K. Haywood et al. ....	Salaries. ....	3, 180. 60
	Total fourth quarter. ....		15, 365. 02
	<i>Supplemental.</i>		
July 5	Geo. E. Patrick. ....	Expenses. ....	9. 95
14	Wm. B. Alwood. ....	Services. ....	50. 00
	Geo. E. Colby. ....	do. ....	30. 00
	Wm. Frear. ....	do. ....	126. 67
	H. W. Wiley. ....	Expenses. ....	41. 78
	Bellvue Dairy Farm. ....	Milk and cream. ....	20. 83
	G. M. Mann. ....	Meat. ....	34. 61
	A. A. Winfield. ....	Vegetables, etc. ....	53. 10
	Auguste Sandoz. ....	Bread. ....	12. 15
	The Tolman Laundry. ....	Laundering towels. ....	2. 63
	S. J. Beveridge. ....	Rent of building. ....	25. 00
	J. H. Johnson & Son. ....	do. ....	208. 33
18	Chas. M. Caughy. ....	Olive oil. ....	26. 48
	Z. D. Gilman. ....	Orangeine. ....	. 50
	Potomac Electric Power Co. ....	Electric current. ....	3. 04
	Washington Gas Light Co. ....	Gas. ....	51. 00
19	Thompson & Leavitt. ....	Samples. ....	1. 44
	Joseph Brolli. ....	Olive oil. ....	1. 65
	Chapin & Gore (Incorporated). ....	Claret. ....	1. 26
	R. A. Delapenba & Co. ....	Cherries. ....	1. 24
	Geo. D. Feidt & Co. ....	Chemicals. ....	. 65
	Paul Gelpi & Sons. ....	Samples. ....	8. 77
	do. ....	do. ....	5. 25
	Goldberg, Bowen & Co. ....	do. ....	30. 25
	Henry Heil Chemical Co. ....	Beakers. ....	3. 48
	Mallinckrodt Chemical Works. ....	Chemicals. ....	25. 79
	W. A. Taylor & Co. ....	Samples. ....	1. 35
20	The J. C. Ergood Co. ....	Sugar, etc. ....	37. 73
	The Geo. W. Knox Express Co. ....	Drayage. ....	. 97
	Rex Sanitary Appliance Co. ....	Disinfecter. ....	4. 80
	Rudolph, West & Co. ....	Keys. ....	1. 50
26	D. Wm. Oyster. ....	Eggs and butter. ....	23. 63
Aug. 3	The Chesapeake and Potomac Telephone Co. ....	Telephone service. ....	6. 25
	D. F. Parker. ....	Gummed paper. ....	1. 80
	Woodward & Lothrop. ....	Soap. ....	10. 13
	The Tolman Laundry. ....	Washing towels. ....	. 30
16	Western Union Telegraph Co. ....	Telegraph service. ....	1. 14
17	J. E. Cassidy & Son. ....	Claret. ....	1. 10
	Bemis-Richelieu Improvement Co. ....	Brandy. ....	1. 58
	The Geo. W. Knox Express Co. ....	Transportation. ....	. 62

Expenditures of the Department of Agriculture for fiscal year ending June 30, 1904—Cont'd.

## LABORATORY—Continued.

Date.	Name.	Nature of payment.	Total.
<i>Supplemental—Continued.</i>			
1904. Aug. 17	Jas. B. Lambie Co. (Incorporated).....	Belting, etc.....	\$6. 70
	Mackall Bros.....	Chemicals.....	35. 95
	Geo. F. Muth & Co.....	Paint, etc.....	6. 78
18	John Fennell.....	Samples for analysis.....	1. 10
	do.....	do.....	1. 44
	Chas. Graef & Co.....	do.....	1. 20
	John T. Heimboeckel & Son.....	do.....	2. 30
	R. F. Lang.....	do.....	1. 60
	Eimer & Amend.....	Flasks.....	24. 00
	Arthur H. Thomas Co.....	Beakers, etc.....	104. 94
	George A. Paturel.....	Samples for analysis.....	5. 05
	E. C. Villere & De Blanc.....	do.....	4. 54
	Wickline & Campbell.....	Repairing screen doors.....	4. 00
	Wood, Pollard & Co.....	Wine.....	1. 03
	Rothchild Bros.....	do.....	2. 00
	R. L. Rose Co.....	do.....	2. 57
	M. A. Graser Rothe.....	do.....	5. 33
27	Barber & Ross.....	Pans.....	1. 20
	G. S. Nicholas.....	Samples for analysis.....	1. 77
	do.....	do.....	3. 14
	do.....	do.....	3. 19
	do.....	do.....	5. 06
	do.....	do.....	5. 80
	do.....	do.....	10. 88
	do.....	do.....	5. 09
	do.....	do.....	1. 97
	W. Bixby & Co.....	do.....	3. 15
29	Grommes & Ulrich.....	Wine.....	2. 90
	Hanselt & Lumschloss.....	Oil.....	2. 44
Sept. 13	Queen & Co. (Incorporated).....	Chemicals.....	16. 40
14	United States Express Co.....	Transportation.....	16. 80
	do.....	do.....	28. 30
20	Henry Heil Chemical Co.....	Chemicals.....	. 50
	Mallinckrodt Chemical Works.....	do.....	3. 00
	do.....	do.....	2. 00
	Adams Express Co.....	Transportation.....	235. 20
	Moos & Co.....	Samples for analysis.....	4. 64
	The J. L. Mott Iron Works.....	Sinks.....	9. 00
	Library Bureau.....	Sections, etc.....	6. 20
	Hensel, Bruckmann & Lorbacker.....	Freight.....	8. 00
22	W. B. Roddenbery.....	Expenses.....	55. 34
	Geo. R. Youmans.....	do.....	15. 84
24	Bishop Art Co.....	Discs.....	1. 96
	Total.....		1, 529. 05

## RECAPITULATION.

First quarter.....	\$10, 255. 37
Second quarter.....	12, 915. 24
Third quarter.....	14, 929. 41
Fourth quarter.....	15, 365. 02
Supplemental.....	1, 529. 05
Total.....	54, 994. 09

## PAID BY U. S. TREASURY.

Date.	Name.	Nature of payment.	Total.
1903. Nov. 19	Jas. Johnson.....	Catlegrams.....	\$33. 06

## TABLE SIRUP.

Date.	Name.	Nature of payment.	Total.
1903. Aug. 14	D. G. Purse.....	Salary.....	\$100. 00
	do.....	Traveling expenses.....	14. 70
	Ernest Betz.....	Iron cylinder.....	2. 50
26	Samuel Fiske.....	License and permit.....	1. 00

Expenditures of the Department of Agriculture for fiscal year ending June 30, 1904—Cont'd.

TABLE SIRUP—Continued.

Date.	Name.	Nature of payment.	Total.
1903.			
Sept. 3	D. G. Purse.....	Traveling expenses.....	\$11.40
9	do.....	Salary.....	100.00
	do.....	Traveling expenses.....	29.15
11	Keuffel & Esser Co.....	Scale.....	1.00
28	O. P. Angelo.....	Traveling expenses.....	31.20
	Total first quarter.....		290.95
Oct. 6	O. P. Angelo.....	Salary.....	97.80
	D. G. Purse.....	do.....	100.00
10	Z. D. Gilman.....	Weights.....	13.22
	James B. Lambie Co.....	Wire cloth.....	.60
12	National Electrical Supply Co.....	Glass cells.....	7.50
16	William Thomas Phelps.....	Labor.....	25.33
19	O. P. Angelo.....	Expenses.....	51.15
	D. G. Purse.....	Traveling expenses.....	18.90
21	H. W. Wiley.....	Expenses.....	29.70
23	Jas. T. Wells.....	Packing and shipping apparatus.....	25.00
	Waycross Plumbing Co.....	Pipe.....	120.85
31	Washington Southern Rwy. Co.....	Passenger transportation.....	20.40
	Atlantic Coast Line R. R. Co.....	do.....	5.80
	Arthur Given.....	Salary.....	84.20
Nov. 3	H. W. Wiley.....	Expenses.....	10.00
5	D. G. Purse.....	Salary.....	100.00
	do.....	Traveling expenses.....	15.30
	O. P. Angelo.....	Expenses.....	35.31
6	Thomas Chick.....	do.....	22.50
9	H. W. Wiley.....	do.....	150.31
	Arthur Given.....	Traveling expenses.....	33.00
	Wm. Thomas Phelps.....	Salary.....	40.00
16	O. P. Angelo.....	do.....	101.10
	W. B. Roddenbery.....	do.....	200.00
30	Arthur Given.....	do.....	81.60
Dec. 1	The Geo. W. Knox Express Co.....	Transportation.....	3.13
2	O. P. Angelo.....	Salary.....	97.80
	do.....	Expenses.....	31.75
	do.....	Traveling expenses.....	9.75
4	D. G. Purse.....	Salary.....	65.00
8	Wm. Thomas Phelps.....	do.....	40.00
	Savannah Contracting Co.....	Cypress strainer.....	49.50
	do.....	Cypress filters.....	48.00
	do.....	Lumber.....	48.00
	do.....	Iron plates, etc.....	33.00
12	Arthur Given.....	Traveling expenses.....	44.00
	The J. H. Gillon Machine Co.....	Fittings.....	43.15
	Georgia Supply Co.....	do.....	26.12
	J. S. Schofields Sons Co.....	Boiler and fittings.....	1,153.25
	Thomas Chick.....	Expenses.....	32.00
18	Washington Southern Rwy. Co.....	Passenger transportation.....	40.80
	The Pullman Co.....	do.....	4.50
31	Arthur Given.....	Salary.....	84.24
	Total second quarter.....		3,243.52
1904.			
Jan. 6	H. W. Wiley.....	Traveling expenses.....	28.38
14	D. G. Purse.....	Salary.....	75.00
	Watt-Harley Hardware Co.....	Hardware, etc.....	47.04
	Hartfelder-Garbatt Co.....	Pump.....	38.42
	S. T. Wright.....	Transportation.....	39.09
	Georgia Supply Co.....	Pump, etc.....	39.38
	do.....	Reducing valve.....	30.70
	Wm. Thomas Phelps.....	Salary.....	40.00
15	Thomas Chick.....	Expenses.....	7.00
	do.....	do.....	33.00
	do.....	Traveling expenses.....	4.50
16	H. W. Wiley.....	Expenses.....	448.23
21	Arthur Given.....	Traveling expenses.....	53.84
	do.....	Salary.....	85.20
Feb. 11	Wm. Thomas Phelps.....	do.....	40.00
18	The Pullman Co.....	Passenger transportation.....	13.50
	Atlantic Coast Line R. R. Co.....	do.....	20.40
29	Arthur Given.....	Salary.....	79.60
Mar. 3	The Geo. W. Knox Express Co.....	Transportation.....	6.14
10	William T. Phelps.....	Salary.....	40.00
	W. B. Roddenbery.....	do.....	100.00
31	Arthur Given.....	do.....	85.20
	Total third quarter.....		1,354.62



Expenditures of the Department of Agriculture for fiscal year ending June 30, 1904—Cont'd.

TABLE SIRUP—Continued.

Date.	Name.	Nature of payment.	Total.
1904.			
Apr. 9	William T. Phelps.....	Salary.....	\$40.00
20	Seaboard Air Line Rwy.....	Passenger transportation.....	17.50
	Atlantic Coast Line R. R. Co.....	.....do.....	20.40
	The Pullman Co.....	.....do.....	4.50
June 1	W. B. Roddenbery.....	Traveling expenses.....	8.05
29	The Bank of Waycross.....	Land rent.....	1.00
	Total fourth quarter.....		91.48

## RECAPITULATION.

First quarter.....	\$290.95
Second quarter.....	3,245.52
Third quarter.....	1,354.62
Fourth quarter.....	91.48
Total.....	4,980.57

TABLE SIRUP, 1903-4.

Date.	Name.	Nature of payment.	Total.
1903.			
July 31	G. L. Spencer et al.....	Salaries.....	\$252.70
Aug. 31	.....do.....	.....do.....	252.70
Sept. 9	Christian Becker.....	Balance.....	110.00
30	G. L. Spencer et al.....	Salaries.....	163.12
	Total first quarter.....		778.52
Oct. 9	Savannah Contracting Co.....	Excavating.....	467.00
	.....do.....	Additions to factory.....	287.00
	.....do.....	Raising roof.....	25.00
10	.....do.....	Mill building.....	1,476.78
23	The Blymyer Iron Works Co.....	Machinery.....	2,470.00
24	Savannah Contracting Co.....	Erecting mill.....	290.00
	C. H. Serrin.....	Patterns for furnace door, etc.....	25.00
	Edwin B. Stimpson & Son.....	Brass.....	19.00
Dec: 1	Thos. Somerville & Sons.....	Packing, etc.....	8.46
2	Savannah Contracting Co.....	Erecting boiler, etc.....	1,748.00
14	Fred J. White.....	Furnace door, etc.....	75.00
	A. & P. Roberts Co.....	Angles.....	36.53
	Total second quarter.....		6,927.77
1904.			
Jan. 6	H. W. Wiley.....	Expenses.....	00.25
8	James H. McGill.....	Steel beams.....	24.45
14	J. H. Edwards.....	Tank.....	32.00
	The Geo. L. Squier Manufacturing Co.....	Chail.....	39.00
	J. H. Edwards.....	Tanks, etc.....	265.00
	The Geo. L. Squier Manufacturing Co.....	Conductor.....	288.00
	Georgia Supply Co.....	Pipe, etc.....	435.00
	Joseph Oat & Sons.....	Evaporator.....	\$55.00
25	The Link-Belt Engineering Co.....	Bagasse feeder.....	57.50
26	The J. L. Mott Iron Works.....	Grease interceptor.....	14.00
	Total third quarter.....		2,110.20
Apr. 30	Arthur Given.....	Salary.....	82.40
	Total fourth quarter.....		82.40

## RECAPITULATION.

First quarter.....	\$778.52
Second quarter.....	6,927.77
Third quarter.....	2,110.20
Fourth quarter.....	82.40
Total.....	9,898.89

100 EXPENDITURES IN DEPARTMENT OF AGRICULTURE.

Expenditures of the department of Agriculture for fiscal year ending June 30, 1904—Cont'd.

SOIL INVESTIGATIONS.

Date.	Name.	Nature of payment.	Total.
1903.			
July 13	F. K. Cameron	Traveling expenses	\$7.00
29	C. W. Dorsey	do	78.86
	Church & Stephenson	Lumber	26.56
	National Electric Supply Co.	Desk fans	34.00
	do	Electric supplies	3.07
30	The Chicago Laboratory Supply and Scale Co.	Supports	1.50
31	F. H. King et al.	Salaries	2,365.87
Aug. 1	G. T. McNess	Salary	252.70
	T. H. Means	do	210.60
	L. H. Shelfer	do	168.50
	G. B. Massey	do	151.60
	W. M. Hinson	do	151.60
	M. H. Lapham	do	134.80
	C. A. Jensen	do	134.80
	J. B. Stewart	do	126.40
	W. W. Coby	do	126.40
	J. E. Lapham	do	117.90
	E. O. Fippin	do	117.90
	F. W. Taylor	do	101.10
	F. E. Bonsteel	do	101.10
	T. A. Carine	do	101.10
	R. T. Avon Burke	do	101.10
	W. E. Hearn	do	101.10
	W. H. Knox	do	101.10
	A. W. Mangum	do	101.10
	J. O. Martin	do	101.10
	H. W. Marian	do	101.10
	E. H. Mathewson	do	101.10
	T. D. Rice	do	101.10
	A. H. Prince	do	101.10
	A. M. Sanchez	do	101.10
	H. J. Wilder	do	101.10
	Henry Weinberg	do	101.10
	J. O. Belz	do	101.10
	L. W. Ayer	do	84.20
	O. L. Ayrs	do	84.20
	H. H. Bennett	do	84.20
	J. L. Burgess	do	84.20
	W. T. Carter, jr.	do	84.20
	M. E. Carr	do	84.20
	E. P. Carr	do	84.20
	C. W. Ely	do	84.20
	W. J. Geib	do	84.20
	Louis Griswold	do	84.20
	A. M. Griffen	do	84.20
	J. C. Hogenson	do	84.20
	A. E. Kocher	do	84.20
	W. W. Mackie	do	84.20
	W. E. McLendon	do	84.20
	W. C. Palmer	do	84.20
	N. P. Neill	do	84.20
	F. N. Meeker	do	84.20
	La Mott Ruhlen	do	84.20
	A. S. Root	do	84.20
	A. T. Strahorn	do	84.20
	J. W. Nelson	do	84.20
	A. H. Snyder	do	84.20
	J. A. Drake	do	70.80
	Harry Rich	do	70.80
	A. T. Sweet	do	70.80
	F. R. Reid	do	70.80
	J. C. Bridwell	do	70.00
	F. R. Pember	do	60.60
	J. F. Warner	do	60.60
	F. D. Stevens	do	60.60
	F. C. Schroeder	do	60.60
	W. S. Lyman	do	60.60
	L. C. Holmes	do	60.60
	H. L. Belden	do	60.60
	H. A. Clark	do	50.00
	C. J. Mann	do	50.00
	W. J. Wood	do	50.00
	J. L. Gill	do	40.00
	Rudolph Boss	do	25.00
4	G. T. McNess	Traveling expenses	26.66
	R. D. Brown	Salary	18.00
	G. N. Saegmuller	Repairs to clock	5.50
5	G. B. Jones	Salary	84.20
	J. A. Bonsteel	Traveling expenses	164.39
	F. E. Bonstell	do	133.46

Expenditures of the Department of Agriculture for fiscal year ending June 30, 1904—Cont'd.

## SOIL INVESTIGATIONS—Continued.

Date.	Name.	Nature of payment.	Total.
1903.			
Aug. 5	H. W. Marean.....	Traveling expenses.....	\$145.22
	E. O. Fippin.....	do.....	144.73
	H. J. Wilder.....	do.....	136.88
	J. C. Bridwell.....	do.....	27.25
7	Standard Oil Co.....	Oil and cans.....	3.50
	R. C. M. Burton & Son.....	Awnings.....	22.26
	W. M. Whyte.....	Iron boxes.....	2.50
8	A. H. Snyder.....	Traveling expenses.....	9.25
	J. O. Belz.....	do.....	18.26
10	G. N. Coffey.....	do.....	203.89
	W. E. Hearn.....	do.....	174.69
	A. M. Sanchez.....	do.....	177.60
	L. H. Shelfer.....	do.....	157.15
	J. G. Holmes.....	do.....	147.85
	A. W. Mangum.....	do.....	146.51
	J. O. Martin.....	do.....	130.45
	C. A. Jensen.....	do.....	115.70
	W. G. Smith.....	do.....	114.75
	T. D. Rice.....	do.....	112.85
	W. M. Hinson.....	do.....	78.99
	J. B. Stewart.....	do.....	72.12
	T. H. Means.....	do.....	68.67
	G. B. Massey.....	do.....	43.80
	W. W. Cobey.....	do.....	36.84
	J. C. Hogenson.....	do.....	15.28
	W. C. Palmer.....	do.....	2.75
	do.....	Expenses.....	26.28
	F. D. Stevens.....	do.....	15.16
	J. W. Nelson.....	do.....	16.66
	do.....	Traveling expenses.....	7.40
12	Thos. Somerville & Sons.....	Tut ing.....	8.66
	Hutchinson & McCarthy.....	Apparatus.....	8.00
	E. G. Schafer & Co.....	Valves, etc.....	6.70
	Harvard Laundry Co.....	Laundering towels.....	3.48
14	R. T. Avon Burke.....	Traveling expenses.....	48.75
	M. H. Lapham.....	do.....	137.45
	E. J. Pullman.....	Glass.....	6.00
15	Z. D. Gilman.....	Crucibles, etc.....	4.35
	National Electrical Supply Co.....	Wire.....	2.78
	Thos. Somerville & Sons.....	Tut ing.....	10.07
	Fred. A. Schmidt.....	Drawing paper.....	4.15
	do.....	Pencils.....	12.60
	Francis Miller.....	Glass.....	1.24
	W. B. Moses & Sons.....	Desk, etc.....	13.63
	James B. Lambie.....	Cotton waste.....	1.94
	Warren M. Whyte.....	Ventilator.....	15.00
	Delano & Moore.....	Solio paper.....	11.22
17	W. S. Lyman.....	Traveling expenses.....	10.38
	Mallinekrodt Chemical Works.....	1 pound of potassium iodide.....	2.20
	Eimer & Amend.....	Clamps.....	7.60
	Morristown Covering Co.....	Asbestos covering.....	12.47
	Queen & Co. (Incorporated).....	Dishes.....	5.40
	W. & L. E. Gurley.....	Wire.....	1.00
	do.....	Compasses.....	45.90
19	W. H. Helleman.....	Traveling expenses.....	62.58
	do.....	Expenses.....	63.01
	Thomas A. Caine.....	Traveling expenses.....	127.00
	J. E. Lapham.....	do.....	169.57
	J. A. Drake.....	do.....	160.39
	N. P. Neill.....	do.....	207.72
20	R. C. M. Burton.....	Awnings.....	3.18
	Barber & Ross.....	Teakettles, etc.....	2.60
21	C. S. Kessler Bro.....	Pump washers.....	.80
	F. W. Taylor.....	Traveling expenses.....	45.75
25	Mackall Bros.....	Corks, etc.....	8.35
27	Jas. B. Lambie Co. (Incorporated).....	Screw-drivers, etc.....	.97
	Fred. A. Schmidt.....	Rules alidades.....	20.00
	Warren M. Whyte.....	Iron drum.....	7.00
28	Chas. A. Jensen.....	Traveling expenses.....	52.75
	Frederick Carl.....	Pump.....	20.00
	Merchants Transfer and Storage Co.....	Moving safe.....	9.00
31	F. H. King et al.....	Salaries.....	2,598.53
Sept. 1	J. C. Britton.....	Salary.....	84.20
	E. T. Hughes.....	do.....	70.80
	Chas. A. Jensen.....	do.....	134.80
	Geo. T. McNess.....	do.....	252.70
	C. N. Mooney.....	do.....	101.10
	F. R. Reid.....	do.....	70.80
	F. C. Schroeder.....	do.....	60.60



102 EXPENDITURES IN DEPARTMENT OF AGRICULTURE.

Expenditures of the Department of Agriculture for fiscal year ending June 30, 1904—Cont'd.

SOIL INVESTIGATIONS—Continued.

Date.	Name.	Nature of payment.	Total.
1903. Sept. 1	J. F. Warner .....	Salary .....	\$60.60
	L. W. Ayer .....	do .....	84.20
	Orla L. Ayrs .....	do .....	84.20
	Herbert L. Belden .....	do .....	60.60
	Hugh H. Bennett .....	do .....	84.20
	F. E. Bonsteel .....	do .....	101.10
	Rudolph Boss .....	do .....	25.00
	Jas. L. Burgess .....	do .....	84.20
	R. T. Avon Burke .....	do .....	101.10
	Thomas A. Caine .....	do .....	101.10
	E. P. Carr .....	do .....	84.20
	M. Earl Carr .....	do .....	84.20
	W. T. Carter, jr .....	do .....	84.20
	H. A. Clark .....	do .....	50.00
	W. W. Cobey .....	do .....	126.40
	Fred Dartnell .....	do .....	45.00
	J. A. Drake .....	do .....	70.80
	Charles W. Ely .....	do .....	84.20
	E. O. Fippin .....	do .....	117.90
	W. J. Geib .....	do .....	84.20
	James L. Gill .....	do .....	40.00
	A. M. Griffen .....	do .....	84.20
	W. E. Hearn .....	do .....	101.10
	W. M. Hinson .....	do .....	151.60
	L. Carl Holmes .....	do .....	60.60
	J. C. Hogenson .....	do .....	84.20
	G. B. Jones .....	do .....	84.20
	W. H. Knox .....	do .....	101.10
	A. E. Kocher .....	do .....	84.20
	J. E. Lapham .....	do .....	117.90
	Macy H. Lapham .....	do .....	134.80
	W. S. Lyman .....	do .....	84.20
	W. E. McLendon .....	do .....	84.20
	W. W. Mackie .....	do .....	84.20
	A. W. Mangum .....	do .....	101.10
	Charles J. Mann .....	do .....	50.00
	H. W. Marean .....	do .....	101.10
	J. O. Martin .....	do .....	101.10
	Geo. B. Massey .....	do .....	151.60
	E. H. Mathewson .....	do .....	101.10
	Thos. H. Means .....	do .....	210.60
	F. N. Mecker .....	do .....	84.20
	Nelson P. Neill .....	do .....	84.20
	W. C. Palmer .....	do .....	84.20
	A. H. Prince .....	do .....	101.10
	Thos. D. Rice .....	do .....	101.10
	Harry Rich .....	do .....	70.80
	A. S. Root .....	do .....	84.20
	La Mott Ruhlen .....	do .....	84.20
	A. M. Sanchez .....	do .....	101.10
	L. H. Shelfer .....	do .....	168.50
	F. D. Stevens .....	do .....	60.60
	J. B. Stewart .....	do .....	126.40
	A. T. Strahorn .....	do .....	84.20
	A. T. Sweet .....	do .....	70.80
	F. W. Taylor .....	do .....	101.10
	Henry Weinberg .....	do .....	101.10
	H. J. Wilder .....	do .....	101.10
	W. J. Wood .....	do .....	50.00
3	J. A. Bonsteel .....	Traveling expenses .....	169.70
4	Washington Gas Light Co. . . . .	Gas .....	13.70
	Potomac Electric Power Co. . . . .	Electric current .....	.85
	do .....	do .....	8.96
	S. F. Bagg .....	Grate bars, etc. . . . .	9.65
	Wolf Bros .....	Envelopes .....	7.50
8	M. E. Carr .....	Traveling expenses .....	15.10
	do .....	do .....	7.40
	do .....	Expenses .....	12.80
9	E. O. Fippin .....	Traveling expenses .....	116.58
	R. T. Avon Burke .....	do .....	142.26
	W. E. Hearn .....	do .....	143.63
	F. E. Bonsteel .....	do .....	145.68
	J. O. Martin .....	do .....	58.85
	H. W. Marean .....	do .....	121.60
	N. P. Neill .....	do .....	236.60
	J. C. Hogenson .....	do .....	12.15
	C. N. Mooney .....	do .....	72.60
	W. G. Smith .....	do .....	124.25
	G. B. Massey .....	do .....	69.85

Expenditures of the Department of Agriculture for fiscal year ending June 30, 1904—Cont'd.

## SOIL INVESTIGATIONS—Continued.

Date.	Name.	Nature of payment.	Total.
1903.			
Sept. 9	G. T. McNess.....	Traveling expenses.....	\$39.30
	H. J. Wilder.....	do.....	93.88
	A. W. Mangum.....	do.....	89.14
	W. M. Hinson.....	do.....	52.65
	F. H. King.....	do.....	47.09
	W. T. Carter, jr.....	do.....	48.15
	Frank Bennett, jr.....	do.....	61.70
	W. W. Cobey.....	do.....	45.17
10	J. G. Holmes.....	do.....	198.22
	J. E. Lapham.....	do.....	161.80
	M. H. Lapham.....	do.....	145.45
	T. A. Caine.....	do.....	156.05
	A. M. Sanchez.....	do.....	151.30
	G. N. Coffey.....	do.....	151.26
	J. B. Stewart.....	do.....	14.89
	Z. D. Gilman.....	Chemicals.....	13.83
	Henry Heil Chemical Co.....	do.....	6.74
	Queen & Co. (Incorporated).....	Evaporating dishes.....	5.40
	The M. Lindsay Rubber Co.....	Gum.....	1.80
	Mallinckrodt Chemical Works.....	Phosphate.....	1.02
	Francis Miller.....	Glass.....	.50
11	Washington Railway and Electric Co.....	72 tickets.....	3.00
	Delano & Moore.....	Photo supplies.....	44.74
	W. M. Whyte.....	Cylinders.....	1.00
14	C. N. Mooney.....	Traveling expenses.....	7.87
16	J. A. Drake.....	do.....	98.04
	T. D. Rice.....	do.....	98.75
	W. H. Heileman.....	do.....	64.55
	do.....	Expenses.....	6.60
	F. D. Stevens.....	do.....	5.41
17	C. J. Mann.....	Salary.....	25.00
	W. M. Hinson.....	Traveling expenses.....	18.30
	L. H. Shelfer.....	do.....	81.25
	W. C. Palmer.....	do.....	3.65
	do.....	Expenses.....	19.68
	The Torsion Balance Co.....	Scale.....	15.00
18	International and Great Northern R. R. Co.....	Passenger transportation.....	37.30
	Pennsylvania R. R. Co.....	do.....	16.50
19	Texarkana and Fort Smith Rwy. Co.....	do.....	46.30
	The Chesapeake and Ohio Rwy. Co.....	do.....	25.20
	Washington Southern Rwy. Co.....	do.....	21.40
	Illinois Central R. R. Co.....	do.....	10.17
	New York Central and Hudson R. R. Co.....	do.....	5.30
	New York, New Haven and Hartford R. R. Co.....	do.....	4.50
	Southern Rwy. Co.....	do.....	27.65
	do.....	do.....	11.40
	do.....	do.....	102.80
21	Thos. Somerville & Sons.....	Brass cups and tubes.....	3.80
	Rudolph, West & Co.....	Bits, chisels, etc.....	3.69
	R. P. Clarke Co.....	Toweling.....	11.75
	J. T. Walker Sons.....	Cement.....	6.00
	James B. Lambie Co. (Incorporated).....	Brads, etc.....	1.80
22	T. H. Means.....	Traveling expenses.....	103.45
	L. C. Holmes.....	Expenses.....	23.25
	J. A. Bonsteel.....	Traveling expenses.....	6.27
24	Mallinckrodt Chemical Works.....	Chemicals.....	92.60
	Eimer & Amend.....	Water regulator.....	10.13
30	F. H. King et al.....	Salaries.....	2,555.67
	Total, first quarter.....		28,331.51
Oct. 2	Harvard Laundry Co.....	Laundry work.....	3.07
	Thos. H. Means.....	Salary.....	203.80
	C. N. Mooney.....	do.....	97.80
	F. R. Reid.....	do.....	68.40
3	A. M. Sanchez.....	Traveling expenses.....	161.60
	Elmer O. Fippin.....	Salary.....	114.20
	Herbert L. Belden.....	do.....	58.80
	J. C. Britton.....	do.....	81.60
	E. T. Hughes.....	do.....	68.40
	Thos. H. Means.....	Traveling expenses.....	115.00
	C. W. Dorsey.....	do.....	114.50
	A. M. Sanchez.....	Salary.....	97.80
5	Geo. T. McNess.....	do.....	244.60
	W. J. Wood.....	do.....	50.00
	H. J. Wilder.....	do.....	97.80
	Henry Weinberg.....	do.....	97.80
	A. T. Strahorn.....	do.....	81.60
	J. B. Stewart.....	do.....	122.20
	F. D. Stevens.....	do.....	58.80

*Expenditures of the Department of Agriculture for fiscal year ending June 30, 1904—Cont'd.*

## SOIL INVESTIGATIONS—Continued.

Date.	Name.	Nature of payment.	Total.
1903. Oct. 5	L. H. Sheller.....	Salary.....	\$163.00
	La Mott Ruhlen.....	do.....	81.60
	A. S. Root.....	do.....	81.60
	Harry Rich.....	do.....	68.40
	A. T. Sweet.....	do.....	68.40
	Thos. D. Rice.....	do.....	97.80
	A. H. Prince.....	do.....	97.80
	Nelson P. Neill.....	do.....	81.60
	F. N. Meeker.....	do.....	81.60
	E. H. Mathewson.....	do.....	97.80
	Geo. B. Massey.....	do.....	146.80
	James O. Martin.....	do.....	97.80
	H. W. Marean.....	do.....	97.80
	A. W. Mangum.....	do.....	97.80
	W. W. Mackie.....	do.....	81.60
	W. E. McLendon.....	do.....	81.60
	W. S. Lyman.....	do.....	81.60
	Macy H. Lapham.....	do.....	130.40
	J. E. Lapham.....	do.....	114.20
	A. E. Kocher.....	do.....	81.60
	W. H. Knox.....	do.....	97.80
	G. B. Jones.....	do.....	81.60
	Chas. A. Jensen.....	do.....	82.60
	L. Carl Holmes.....	do.....	58.80
	J. C. Hogenson.....	do.....	81.60
	W. M. Hinson.....	do.....	146.80
	W. E. Hearn.....	do.....	97.80
	Lewis Griswold.....	do.....	81.60
	A. M. Griffen.....	do.....	81.60
	J. L. Gill.....	do.....	40.00
	W. J. Grib.....	do.....	81.60
	Charles W. Ely.....	do.....	81.60
	J. A. Drake.....	do.....	68.40
	W. W. Cobey.....	do.....	122.20
	H. A. Clark.....	do.....	50.00
	W. T. Carter, jr.....	do.....	81.60
	M. Earl Carr.....	do.....	81.60
	E. P. Carr.....	do.....	81.60
	Thomas A. Caine.....	do.....	97.80
	R. T. Avon Burke.....	do.....	97.80
	J. L. Burgess.....	do.....	81.60
	Rudolph Boss.....	do.....	25.00
	F. E. Bonsteel.....	do.....	97.80
	Jay A. Bonsteel.....	do.....	74.73
	Hugh H. Bennett.....	do.....	81.60
	Orla L. Ayrs.....	do.....	81.60
	Lewis W. Ayer.....	do.....	81.60
	W. C. Palmer.....	do.....	81.60
6	F. C. Schroeder.....	do.....	58.80
7	J. F. Warner.....	do.....	58.80
8	E. O. Fippin.....	Traveling expenses.....	67.73
9	John C. Parker.....	Paper fasteners.....	1.20
9	W. C. Palmer.....	Traveling expenses.....	3.73
	do.....	Expenses.....	30.56
	Robert D. Brown.....	Services.....	24.00
10	Z. D. Gilman.....	Vials, etc.....	19.50
	Blue Line Transfer Co.....	Transportation.....	1.53
	James B. Lambie Co. (Incorporated).....	Pliers, etc.....	10.11
	Harvard Laundry Co.....	Washing towels.....	3.51
	Delano & Moore.....	Amidol.....	1.28
	Thos. Somerville & Sons.....	Repairs, etc.....	1.79
	Woodward & Lothrop.....	Soap.....	3.98
	Washington Gas Light Co.....	Gas.....	26.40
	do.....	do.....	35.20
	The Geo. W. Knox Express Co.....	Transportation.....	.91
	do.....	do.....	6.07
	Potomac Electric Power Co.....	Electric current.....	1.33
	do.....	do.....	1.50
	do.....	do.....	9.14
	Rudolph, West & Co.....	Hardware.....	4.24
	Potomac Electric Power Co.....	Electric current.....	8.68
12	J. T. Walker Sons.....	Cement.....	1.00
	Thos. R. Riley.....	Lumber.....	3.96
	do.....	do.....	7.27
	E. G. Schafer & Co.....	Boiler fittings.....	5.69
	do.....	Gas hose cocks.....	.34
	Dinsmore Typewriter Co.....	Repairs to typewriter.....	.50
	do.....	do.....	5.00
	The J. C. Ergood Co.....	Pearline.....	3.00
	M. Du Perow.....	Rubber.....	2.00



Expenditures of the Department of Agriculture for fiscal year ending June 30, 1904—Cont'd.

## SOIL INVESTIGATIONS—Continued.

Date.	Name.	Nature of payment.	Total.
1903.			
Oct. 12	Chas. R. Edmonston.....	Filter.....	\$6.00
	J. E. Hurley.....	Steel, etc.....	1.25
	Chas. R. Edmonston.....	Tumblers.....	3.35
	Fred. A. Schmidt.....	Rubber.....	3.60
	.....do.....	Drawing paper.....	12.45
	.....do.....	Pens.....	4.80
	Elmer H. Catin & Co.....	Electro-cell.....	.75
	Columbia National Sand Dredging Co.....	Gravel and sand.....	3.50
	W. O. Berry.....	Tin roof, etc.....	19.40
	Wm. Gutshall.....	Smoke stack.....	3.50
	E. F. Vermillion.....	Inspecting boiler.....	5.00
	American Distributing Co., A. L. Webb & Sons branch.....	Alcohol.....	23.65
14	Chesapeake and Potomac Telephone Co.....	Telephone service.....	6.25
	E. G. Schafer & Co.....	Valves, etc.....	1.82
	Mackall Bros.....	Jars, etc.....	60.66
	Henry Allen.....	.....do.....	15.00
19	W. E. Hearn.....	Traveling expenses.....	164.38
	Macy H. Lapham.....	.....do.....	132.95
	L. Carl Holmes.....	Expenses.....	28.25
	W. H. Heileman.....	Traveling expenses.....	43.40
	J. A. Drake.....	.....do.....	101.64
	George Thomas McNess.....	.....do.....	32.92
	J. C. Hogenson.....	.....do.....	14.92
	W. T. Carter, Jr.....	.....do.....	120.35
	F. E. Bonsteel.....	.....do.....	100.60
	W. G. Smith.....	.....do.....	116.50
	Geo. B. Massey.....	.....do.....	88.05
	Frank Bennett, Jr.....	.....do.....	129.13
	George N. Coffey.....	.....do.....	197.04
	W. W. Cobey.....	.....do.....	51.39
	R. T. Avon Burke.....	.....do.....	136.55
	H. W. Marean.....	.....do.....	129.83
	N. P. Neill.....	.....do.....	253.40
	J. W. Nelson.....	.....do.....	8.10
	.....do.....	Expenses.....	9.20
	J. O. Martin.....	Traveling expenses.....	95.60
	W. M. Hinson.....	.....do.....	8.29
	E. H. Mathewson.....	.....do.....	23.53
	G. B. Jones.....	.....do.....	14.40
	A. W. Mangum.....	.....do.....	52.95
	Thomas A. Caine.....	.....do.....	236.11
	Henry J. Wilder.....	.....do.....	94.24
	J. E. Lapham.....	.....do.....	151.87
	W. H. Knox.....	.....do.....	37.00
21	F. R. Reid.....	.....do.....	12.15
	A. T. Strahorn.....	.....do.....	29.90
	F. D. Stevens.....	Expenses.....	24.93
	J. B. Stewart.....	Traveling expenses.....	45.62
	C. N. Mooney.....	.....do.....	17.00
	Thomas D. Rice.....	.....do.....	148.57
	Nagle Engine and Boiler Works.....	Apparatus.....	10.00
	.....do.....	Boiler, etc.....	183.25
22	Julien P. Friez.....	Repairs to thermograph.....	16.75
	Williams, Brown & Earle.....	Glass, etc.....	3.05
	J. H. Bunnell & Co.....	Lamps.....	3.24
23	Frederick Carl.....	Repairs to pump.....	1.75
	Henrietta Burley.....	Washing sacks.....	5.00
	James B. Lambie Co. (Incorporated).....	Brooms.....	1.73
	R. P. Andrews & Co. (Incorporated).....	Paste.....	3.52
	W. O. Berry.....	Tin roof.....	9.00
	Charles Englehard.....	Electric apparatus.....	.50
	Franklin Laboratory Supply Co.....	Weights.....	3.60
26	Elmer O. Pippin.....	Traveling expenses.....	31.65
31	R. T. Avon Burke.....	Salary.....	101.10
	H. H. Bennett.....	.....do.....	84.20
	J. L. Gill.....	.....do.....	40.00
	F. D. Stevens.....	.....do.....	60.60
	W. S. Lyman.....	.....do.....	84.20
	Orla L. Ayrs.....	.....do.....	84.20
	La Mott Ruhlen.....	.....do.....	84.20
	F. N. Meeker.....	.....do.....	84.20
	J. E. Lapham.....	.....do.....	117.90
	E. P. Carr.....	.....do.....	84.20
	G. B. Jones.....	.....do.....	84.20
	A. T. Sweet.....	.....do.....	70.80
	M. Earl Carr.....	.....do.....	84.20
	W. E. McLendon.....	.....do.....	84.20
	J. C. Hogenson.....	.....do.....	84.20

106 EXPENDITURES IN DEPARTMENT OF AGRICULTURE.

Expenditures of the Department of Agriculture for fiscal year ending June 30, 1904—Cont'd.

SOIL INVESTIGATIONS—Continued.

Date.	Name.	Nature of payment.	Total.
1903.			
Oct. 31	A. E. Kocher.....	Salary.....	\$84.20
	W. J. Geib.....	.....do.....	84.20
	H. W. Marean.....	.....do.....	101.10
	J. B. Stewart.....	.....do.....	126.40
	Thos. D. Rice.....	.....do.....	101.10
	A. T. Strahorn.....	.....do.....	84.20
	Chas. W. Ely.....	.....do.....	84.20
	J. A. Drake.....	.....do.....	70.80
	W. M. Hinson.....	.....do.....	151.60
	Geo. B. Massey.....	.....do.....	151.60
	Harry Rich.....	.....do.....	70.80
	W. W. Cobey.....	.....do.....	126.40
	L. Carl Holmes.....	.....do.....	60.60
	Thos. H. Means.....	.....do.....	210.60
	Lewis Griswold.....	.....do.....	84.20
	W. H. Knox.....	.....do.....	101.10
	Rudolph Boss.....	.....do.....	25.00
	E. H. Mathewson.....	.....do.....	101.10
	Lewis W. Ayer.....	.....do.....	84.20
	W. J. Wood.....	.....do.....	50.00
	H. A. Clark.....	.....do.....	50.00
	H. L. Belden.....	.....do.....	84.20
	A. W. Mangum.....	.....do.....	101.10
	Nelson P. Neill.....	.....do.....	84.20
	Jay A. Bonsteel.....	.....do.....	210.60
	James O. Martin.....	.....do.....	101.10
	Macy H. Lapham.....	.....do.....	134.80
	W. W. Mackie.....	.....do.....	84.20
	Thomas A. Caine.....	.....do.....	101.10
	F. E. Bonsteel.....	.....do.....	101.10
	A. S. Root.....	.....do.....	84.20
	A. M. Griffen.....	.....do.....	84.20
	J. L. Burgess.....	.....do.....	84.20
	Elmer O. Fippin.....	.....do.....	117.90
	W. E. Hearn.....	.....do.....	101.10
	H. J. Wilder.....	.....do.....	101.10
	W. T. Carter, jr.....	.....do.....	84.20
	Henry Weinberg.....	.....do.....	101.10
	Denver and Rio Grande R. R. Co.....	Passenger transportation.....	18.30
	Nashville, Chattanooga and St. Louis Rwy.....	.....do.....	18.30
	Chicago and North-Western Rwy. Co.....	.....do.....	40.89
	Achison, Topeka and Santa Fe Rwy. Co.....	.....do.....	76.90
	Baltimore and Ohio R. R. Co.....	.....do.....	11.00
	Lake Shore and Michigan Southern Rwy. Co.....	.....do.....	6.63
	Oregon Short Line R. R. Co.....	.....do.....	45.00
	Union Pacific R. R. Co.....	.....do.....	65.60
	Washington Southern Rwy. Co.....	.....do.....	12.10
	.....do.....	.....do.....	8.60
	Pennsylvania R. R. Co.....	.....do.....	54.90
	Southern Rwy. Co.....	.....do.....	30.35
	Louisville and Nashville R. R. Co.....	.....do.....	9.59
	Atlantic Coast Line R. R. Co.....	.....do.....	17.20
	Texas and New Orleans R. R. Co.....	.....do.....	35.85
	Pittsburgh, Cincinnati, Chicago and St. Louis Rwy. Co.....	.....do.....	19.25
	Richmond, Fredericksburg and Potomac R. R. Co.....	.....do.....	3.50
	Southern Rwy. Co.....	.....do.....	81.25
	.....do.....	.....do.....	19.00
	Oregon R. R. and Navigation Co.....	.....do.....	55.00
	F. H. King et al.....	Salaries.....	3,370.69
Nov. 4	Henry J. Wilder.....	Traveling expenses.....	107.02
9	J. W. Nelson.....	.....do.....	18.77
	J. C. Hogenson.....	.....do.....	38.05
13	Chas. R. Edmonston.....	Tumblers.....	3.35
	Densmore Typewriter Co.....	Repairs.....	5.00
	J. E. Lapham.....	Traveling expenses.....	167.32
	Barber & Ross.....	Hardware.....	4.54
	Church & Stephenson.....	Lumber.....	27.96
	.....do.....	.....do.....	12.74
	Z. D. Gilman.....	Filters.....	6.43
	Delano & Moore.....	Solios.....	2.65
	Harvard Laundry Co.....	Washing towels.....	4.71
16	A. W. Mangum.....	Traveling expenses.....	117.51
	W. M. Hinson.....	.....do.....	18.40
	Thomas D. Rice.....	.....do.....	116.55
20	Geo. W. Millar & Co.....	Paper.....	13.00
21	Remington Typewriter Co.....	Ribbons.....	1.65
	Potomac Electric Power Co.....	Electric current.....	2.22

Expenditures of the Department of Agriculture for fiscal year ending June 30, 1904—Cont'd.

## SOIL INVESTIGATIONS—Continued.

Date.	Name.	Nature of payment.	Total.
1903.			
Nov. 21	Potomac Electric Power Co.....	Electric current.....	\$17. 87
	Rudolph, West & Co.....	Brooms, etc.....	5. 13
	Washington Gas Light Co.....	Gas.....	39. 60
23	George Thomas McNess.....	Traveling expenses.....	13. 90
	Whittall, Tatum Co.....	Test tubes.....	4. 31
	do.....	Flasks.....	2. 64
	Mallinckrodt Chemical Works.....	Sodium.....	2. 25
	The Tarsion Balance Co.....	Repairs.....	1. 25
	James Diller (guardian).....	Office rent.....	56. 00
	F. E. Bonsteel.....	Traveling expenses.....	118. 76
	Queen & Co. (Incorporated).....	Dishes.....	15. 60
	do.....	Chemicals.....	12. 35
	do.....	Test tubes.....	3. 31
	do.....	Soda.....	2. 50
	do.....	Ammonia.....	2. 40
	do.....	Tubes.....	1. 10
24	W. T. Carter, jr.....	Traveling expenses.....	113. 77
	George N. Coffey.....	do.....	114. 79
	J. O. Martin.....	do.....	138. 21
	F. H. King.....	do.....	10. 85
	Geo. B. Massey.....	do.....	28. 00
	A. M. Sanchez.....	Salary.....	29. 35
	G. B. Jones.....	Traveling expenses.....	146. 72
	Thomas. A. Caine.....	do.....	158. 32
25	Frank Bennett, jr.....	do.....	145. 91
	W. E. Hearn.....	do.....	156. 14
	C. W. Dorsey.....	do.....	7. 96
	W. H. Knox.....	do.....	21. 75
	R. T. Avon Burke.....	do.....	114. 75
	Macy H. Lapham.....	do.....	146. 90
	W. W. Cobey.....	do.....	34. 35
	W. H. Heileman.....	do.....	79. 74
27	W. G. Smith.....	do.....	133. 50
	L. Carl Holmes.....	Expenses.....	30. 90
30	Lewis W. Ayer.....	Salary.....	81. 60
	Orla L. Ayrs.....	do.....	81. 60
	H. L. Beldon.....	do.....	81. 60
	H. H. Bennett.....	do.....	81. 60
	F. E. Bonsteel.....	do.....	97. 80
	Jay A. Bonsteel.....	do.....	203. 80
	Rudolph Boss.....	do.....	25. 00
	J. L. Burgess.....	do.....	81. 60
	R. T. Avon Burke.....	do.....	97. 80
	Thomas A. Caine.....	do.....	97. 80
	C. P. Carr.....	do.....	81. 60
	M. Earl Carr.....	do.....	81. 60
	W. T. Carter, jr.....	do.....	81. 60
	H. A. Clark.....	do.....	50. 00
	W. W. Cobey.....	do.....	122. 20
	J. A. Drake.....	do.....	65. 40
	Chas. W. Ely.....	do.....	81. 60
	Elmer O. Fippin.....	do.....	114. 20
	W. J. Geib.....	do.....	81. 60
	J. L. Gill.....	do.....	40. 00
	A. M. Griffen.....	do.....	81. 60
	Lewis Griswold.....	do.....	81. 60
	W. E. Hearn.....	do.....	97. 80
	W. M. Hinson.....	do.....	146. 80
	L. Carl Holmes.....	do.....	58. 80
	G. B. Jones.....	do.....	81. 60
	W. H. Knox.....	do.....	97. 80
	A. F. Kocher.....	do.....	81. 60
	J. E. Lapham.....	do.....	114. 20
	Macy H. Lapham.....	do.....	130. 40
	W. S. Lyman.....	do.....	81. 60
	W. E. McLendon.....	do.....	81. 60
	W. W. Mackie.....	do.....	81. 60
	A. W. Mangum.....	do.....	97. 80
	H. W. Marean.....	do.....	97. 80
	J. O. Martin.....	do.....	97. 80
	Geo. B. Massey.....	do.....	146. 80
	E. H. Mathewson.....	do.....	97. 80
	Thos. H. Means.....	do.....	203. 80
	F. N. Meeker.....	do.....	81. 60
	N. P. Neill.....	do.....	81. 60
	Thos. D. Rice.....	do.....	97. 80
	Harry Rich.....	do.....	65. 40
	A. S. Root.....	do.....	81. 60
	La Mott Ruhlen.....	do.....	81. 60



Expenditures of the Department of Agriculture for fiscal year ending June 30, 1904—Cont'd.

## SOIL INVESTIGATIONS—Continued.

Date.	Name.	Nature of payment.	Total.
1903.			
Nov. 30	F. D. Stevens	Salary	\$58.80
	J. B. Stewart	do	122.20
	A. T. Strahorn	do	81.60
	A. T. Sweet	do	68.40
	Henry Weinberg	do	97.80
	Henry J. Wilder	do	97.80
	W. J. Wood	do	50.00
	F. H. King et al.	Salaries	3,179.25
Dec. 1	Thos. R. Riley	Lumber	.88
	Geo. F. Muth & Co.	Road pens	1.86
	Francis Miller	Glass	.66
	Wm. H. Rupp	Ink	3.00
	Woodward & Lothrop	Felt, etc	2.35
	The M. Lindsay Rubber Co.	Dental dam, etc	5.10
	W. B. Moses & Sons	Chair	4.20
	National Electric Supply Co.	Solder	2.50
	E. G. Schafer & Co.	Pipe	2.40
	Church & Stephenson	Lumber	10.79
	R. Carter Ballantyne	Crayons, etc	13.76
2	Washington Railway and Electric Co.	Tickets	6.00
	Frederick Carl	Repairs to pump	1.50
	Hudson's Variety Store	Brushes	.85
	Whitall-Tatum Co.	Spatulas, etc.	7.28
	do	Crates	26.75
	Henry Heil Chemical Co.	Tubing, etc	3.20
	Fred. A. Schmidt	Protractors	1.44
	C. S. Kessler Bro.	Tire valves	.75
	do	Pump	4.00
	The E. F. Brooks Co.	Mantles	1.50
	The Leeds & Northrup Co.	Galvanometer, etc	18.95
	Manhattan Electric Supply Co.	Jars	1.68
3	S. H. Davis & Co.	Repairing odometers	15.75
4	Chas. A. Jensen	Traveling expenses	34.75
	W. H. Heileman	do	30.15
	F. D. Stevens	Expenses	18.00
	do	Traveling expenses	11.48
	Geo. B. Massey	do	55.75
	Frank Bennett, jr.	do	110.67
	Henry J. Wilder	do	134.22
	F. E. Bonsteel	do	84.76
5	Harvard Laundry Co.	Washing towels	4.35
8	A. W. Mangum	Traveling expenses	99.24
	W. E. Hearn	do	113.60
	G. B. Jones	do	114.08
	W. T. Carter, jr.	do	119.82
	George N. Coffey	do	132.88
	J. O. Martin	do	160.04
	J. E. Lapham	do	156.30
	W. G. Smith	do	104.50
	L. Carl Holmes	Expenses	16.00
	R. T. Avon Burke	Traveling expenses	109.30
	Nashville, Chattanooga and St. Louis Rwy.	Passenger transportation	40.60
	St. Louis and San Francisco Rwy. Co.	do	11.00
	Pittsburgh, Cincinnati, Chicago and St. Louis Rwy. Co.	do	5.50
	Southern Rwy. Co.	do	58.25
	do	do	77.00
	Pennsylvania R. R. Co.	do	11.00
	Pennsylvania Co.	do	10.85
	Chicago, Cincinnati, Cleveland and St. Louis Rwy. Co.	do	15.75
	Chicago and Northwestern Rwy. Co.	do	105.75
	Atlantic Coast Line R. R. Co.	do	8.60
	do	do	32.85
	do	do	30.00
10	George T. McNess	Traveling expenses	30.20
	W. H. Knox	do	10.70
	Thos. D. Rice	do	132.90
	Francis Miller	Glass	.28
11	The Geo. W. Knox Express Co.	Transportation	27.60
	J. H. Bunnell & Co.	Batteries	2.40
	E. G. Schafer & Co.	Wrenches	8.64
	Rudolph, West & Co.	Nails, etc	20.67
	Fred. A. Schmidt	Drawing paper	34.70
	Barber & Ross	Buckets	1.79
	James B. Lambie Co. (Incorporated)	Wire cloth	2.25
	M. Du Perow	Electric supplies	4.40
	Z. D. Gilman	Bottles, etc.	30.34
	Hugh Reilly	Brushes	2.20
12	W. M. Hinson	Traveling expenses	14.51

Expenditures of the Department of Agriculture for fiscal year ending June 30, 1904—Cont'd.

## SOIL INVESTIGATIONS—Continued.

Date.	Name.	Nature of payment.	Total.
1903.			
Dec. 12	Thos. A. Caine	Traveling expenses	\$155.85
	Macy H. Lapham	do.	122.20
14	Church & Stephenson	Lumber	10.90
	do.	do.	64.84
	Woodward & Lothrop	Towels, etc.	27.04
	Andrus & Church	Paper	23.13
	Mackall Bros.	Chemicals	107.58
	W. & L. E. Gurley	Compasses, etc.	22.10
15	F. D. Stevens	Salary	29.35
17	W. W. Cobey	Traveling expenses	54.70
	Whitall-Tatum Co.	Tripods	7.20
	Henry Heil Chemical Co.	Sieve	3.50
18	Delaware, Lackawanna and Western R. R. Co.	Passenger transportation	21.90
	Chicago, Cincinnati, Cleveland and St. Louis Rwy. Co.	do.	29.02
	Denver and Rio Grande R. R. Co.	do.	57.75
	Michigan Central R. R. Co.	do.	38.40
	Chicago, Burlington and Quincy Rwy. Co.	do.	16.90
	Chicago, Milwaukee and St. Paul Rwy. Co.	do.	22.73
	Missouri, Kansas and Texas Rwy. Co.	do.	5.40
	Northern Pacific Rwy. Co.	do.	81.78
	Oregon Short Line R. R. Co.	do.	61.90
19	C. W. Dorsey	Traveling expenses	43.20
21	John C. Parker	Tacks, etc.	8.83
31	Thos. H. Means	Salary	210.60
	F. H. King et al.	Salaries	3,264.05
	Total second quarter		36,286.39
1904.			
Jan. 2	G. B. Jones	Salary	84.20
	James O. Martin	do.	101.10
	A. W. Mangum	do.	101.10
	W. W. Mackie	do.	84.20
	F. N. Meeke	do.	84.20
	H. W. Marean	do.	101.10
	W. E. McLendon	do.	84.20
	E. H. Mathewson	do.	101.10
	Nelson P. Neill	do.	84.20
	Thos. D. Rice	do.	101.10
	A. S. Root	do.	84.20
	La Mott Ruhlan	do.	84.20
	A. E. Kocher	do.	84.20
	W. M. Hinson	do.	151.60
	L. Carl Holmes	do.	60.60
	W. E. Hearn	do.	101.10
	W. H. Knox	do.	101.10
	W. L. Lyman	do.	84.20
	Macy H. Lapham	do.	134.80
	J. E. Lapham	do.	117.90
	Geo. B. Massey	do.	151.60
	Lewis W. Ayer	do.	84.20
	Orla L. Ayrs	do.	84.20
	Jay A. Bonsteel	do.	210.60
	F. E. Bonsteel	do.	102.10
	J. L. Burgess	do.	84.20
	R. T. Avon Burke	do.	101.10
	Lewis Griswold	do.	84.20
	W. J. Geib	do.	84.20
	A. M. Griffen	do.	84.20
	J. L. Gill	do.	40.00
	Elmer O. Fippin	do.	117.90
	Chas. W. Ely	do.	84.20
	J. A. Drake	do.	70.80
	M. Earl Carr	do.	84.20
	H. A. Clark	do.	50.00
	W. W. Cobey	do.	126.40
	E. P. Carr	do.	84.20
	Thos. A. Caine	do.	101.10
	W. T. Carter, jr.	do.	84.20
	Rudolph Boss	do.	25.00
	Hugh H. Bennett	do.	84.20
	H. L. Beldin	do.	84.20
	W. J. Wood	do.	50.00
	Henry Weinberg	do.	101.10
	H. J. Wilder	do.	101.10
	A. T. Sweet	do.	70.80
	J. B. Stewart	do.	126.40

Expenditures of the Department of Agriculture for fiscal year ending June 30, 1904—Cont'd.

## SOIL INVESTIGATIONS—Continued.

Date.	Name.	Nature of payment.	Total.
1904.			
Jan. 2	Harry Rich	Salary	\$70.80
	A. T. Strahorn	do	84.20
6	George Thomas McNess	Traveling expenses	46.25
	C. E. Rouser	Labor	5.16
7	Harvard Laundry Co.	Washing towels	3.72
	Thos. Somerville & Sons	Tubes	6.45
	Hugh Reilly	Asphaltum	.64
	do	do	.64
	Geo. F. Muth	Oil, etc.	3.12
	Woodward & Lothrop	Dusters, etc.	4.85
	W. B. Moses & Sons	Webbing, etc.	7.80
	Potomac Electric Power Co.	Electric current	24.57
	do	do	2.38
	Washington Gas Light Co.	Gas	37.30
8	Francis Miller	Oil	.86
	Washington Railway and Electric Co.	Tickets	6.00
	Chas. R. Edmonston	Filter tubes, etc.	21.75
12	Remington Typewriter Co.	Repairs to typewriter	16.50
	Z. D. Gilman	Tubing, etc.	22.64
	Woodward & Lothrop	Soap	3.98
	Francis Miller	Glass	37.24
	Fred. A. Schmidt	Artists' materials	24.75
14	J. E. Lapham	Traveling expenses	125.20
	Frank Bennett, jr.	do	99.07
	W. M. Hinson	do	25.30
	Thos. D. Rice	do	126.98
	Thos. H. Means	do	116.37
	W. H. Knox	do	17.55
	Henry J. Wilder	do	123.88
	W. T. Carter, jr.	do	33.30
	J. O. Martin	do	167.93
	W. W. Cobey	do	47.00
	George N. Coffey	do	19.76
	W. E. Heam	do	20.58
	George B. Massey	do	32.55
	J. A. Drake	do	40.28
	Thos. A. Caine	do	189.42
	Whitall, Tatum Co.	Air baths, etc.	17.26
	do	Flasks	1.90
	Eberhard Faber	Pencils	8.84
	W. & L. E. Gurley	Plane tables, etc.	42.50
	Eimer & Amend	Tube and bulbs	5.10
	Queen & Co. (Incorporated)	Paraffin	8.25
	do	do	6.25
	G. B. Jones	Traveling expenses	126.43
	Arthur H. Thomas Co.	Beaks, etc.	42.98
	Mineralized Rubber Co.	Hose	.56
	W. & L. E. Gurley	Rulers and compasses	30.60
16	A. W. Mangum	Traveling expenses	76.73
	Macy H. Lapham	do	114.90
	Chas. W. Ely	do	19.57
18	William H. Dyer	Lumber	29.50
	Henrietta Burley	Washing sacks	3.50
	Delano & Moore	Photo supplies	15.41
	Church & Stephenson	Lumber	16.06
	W. & L. E. Gurley	Scales	4.80
19	Jas. L. Burgess	Traveling expenses	30.25
	Chas. A. Jensen	do	41.55
	R. T. Avon Burke	do	84.40
	Queen & Co. (Incorporated)	Ammon. hydroxide	6.00
25	Michigan Central R. R. Co.	Passenger transportation	25.94
	Northern Pacific Rwy. Co.	do	18.55
	New York, New Haven and Hartford R. R. Co.	do	4.50
	do	do	9.10
	Oregon Short Line R. R. Co.	do	57.75
	Southern Rwy. Co.	do	75.75
	do	do	35.85
	San Pedro, Los Angeles and Salt Lake R. R. Co.	do	7.40
	Atlantic Coast Line R. R. Co.	do	8.60
	Washington Southern Rwy. Co.	do	15.85
	Georgia Railroad	do	24.30
	Pennsylvania R. R. Co.	do	16.90
	Lake Shore and Michigan Southern Rwy. Co.	do	25.20
	Pennsylvania R. R. Co.	do	10.00
	Emil Greiner	Aluminum dishes	8.60
26	The Fred. Macey Co. (Limited)	Advertising card system	1.55
	Mallinckrodt Chemical Works	Sodium	3.40
	Whitall, Tatum Co.	Flasks, etc.	4.05



Expenditures of the Department of Agriculture for fiscal year ending June 30, 1904—Cont'd.

## SOIL INVESTIGATIONS—Continued.

Date.	Name.	Nature of payment.	Total.
1904.			
Jan. 26	Eimer & Amend.....	Copper, drying bath, etc.....	\$18.30
	Adams Express Co.....	Transportation.....	89.22
	Fred. A. Schmidt.....	Pens.....	2.70
	John C. Parker.....	Pencils.....	2.57
	Standard Oil Co.....	Cylinder.....	2.50
27	Thos. Somerville & Sons.....	Gauge, etc.....	14.95
	Thos. R. Riley.....	Lumber.....	5.33
	.....do.....	.....do.....	2.80
	Rudolph, West & Co.....	Brush, etc.....	.78
	E. G. Schafer & Co.....	Valves, etc.....	27.16
	Francis Miller.....	Oil.....	.92
	Potomac Electric Power Co.....	Electric current.....	20.44
	.....do.....	.....do.....	1.38
30	Milton Whitney.....	Traveling expenses.....	36.75
31	F. H. King et al.....	Salaries.....	3,312.12
Feb. 1	Lewis W. Ayer.....	Salary.....	102.20
	Orla L. Ayrs.....	.....do.....	85.20
	H. L. Belden.....	.....do.....	85.20
	Hugh H. Bennett.....	.....do.....	85.20
	J. C. Britton.....	.....do.....	85.20
	F. E. Bonsteel.....	.....do.....	102.20
	Jay A. Bonsteel.....	.....do.....	212.90
	Rudolph Boss.....	.....do.....	25.00
	J. L. Burgess.....	.....do.....	85.20
	Thomas A. Caine.....	.....do.....	102.20
	E. P. Carr.....	.....do.....	85.20
	M. Earl Carr.....	.....do.....	85.20
	W. T. Carter, jr.....	.....do.....	85.20
	H. A. Clark.....	.....do.....	50.00
	W. W. Cobey.....	.....do.....	127.70
	J. A. Drake.....	.....do.....	71.50
	C. W. Ely.....	.....do.....	85.20
	Elmer O. Fippin.....	.....do.....	119.20
	W. J. Geib.....	.....do.....	85.20
	J. L. Gill.....	.....do.....	19.35
	A. M. Griffen.....	.....do.....	85.20
	Lewis Griswold.....	.....do.....	85.20
	W. M. Hinson.....	.....do.....	170.30
	W. E. Hearn.....	.....do.....	102.20
	L. Carl Holmes.....	.....do.....	85.20
	G. B. Jones.....	.....do.....	85.20
	W. H. Knox.....	.....do.....	102.20
	A. E. Kocher.....	.....do.....	85.20
	Macy H. Lapham.....	.....do.....	136.30
	W. S. Lyman.....	.....do.....	85.20
	W. E. McLendon.....	.....do.....	85.20
	W. W. Mackie.....	.....do.....	85.20
	A. W. Mangum.....	.....do.....	102.20
	H. W. Marean.....	.....do.....	102.20
	Geo. B. Massey.....	.....do.....	153.30
	J. O. Martin.....	.....do.....	102.20
	E. H. Mathewson.....	.....do.....	127.70
	Thos. H. Means.....	.....do.....	212.90
	F. N. Mecker.....	.....do.....	85.20
	N. P. Neill.....	.....do.....	85.20
	F. R. Reid.....	.....do.....	71.50
	Thos. D. Rice.....	.....do.....	102.20
	Harry Rich.....	.....do.....	85.20
	A. S. Root.....	.....do.....	85.20
	La Mott Ruhlen.....	.....do.....	85.20
	A. T. Strahorn.....	.....do.....	85.20
	J. B. Stewart.....	.....do.....	127.70
	A. T. Sweet.....	.....do.....	71.50
	Jay F. Warner.....	.....do.....	85.20
	Henry Weinberg.....	.....do.....	102.20
	Henry J. Wilder.....	.....do.....	102.20
	W. J. Wood.....	.....do.....	66.40
3	Washington Gaslight Co.....	Gas.....	18.10
	Fred. A. Schmidt.....	Ruling pens.....	3.75
	E. G. Schafer & Co.....	Brass unions.....	2.00
	Wm. H. Rupp Co.....	Note books.....	1.80
	D. Frank Parker.....	Typewriter paper.....	2.40
	Geo. F. Muth & Co.....	Ink.....	2.00
	W. B. Moses & Sons.....	Tables.....	17.25
	Mackall Bros.....	Jars, etc.....	97.81
	James B. Lambie Co. (Incorporated).....	Chain, etc.....	5.61
	.....do.....	Brads.....	1.62
	Z. D. Gilman.....	Flasks.....	10.29
	F. S. Gichner.....	Wire baskets.....	36.20
	Dulin & Martin.....	Saucepans.....	2.80

112 EXPENDITURES IN DEPARTMENT OF AGRICULTURE.

Expenditures of the Department of Agriculture for fiscal year ending June 30, 1904—Cont'd.

SOIL INVESTIGATIONS—Continued.

Date.	Name.	Nature of payment.	Total.
1904.			
Feb. 3	R. P. Clarke Co.	Toweling	\$12.50
	The Chesapeake and Potomac Telephone Co.	Telephone service	6.25
	R. Carter Ballantyne	Copying paper	3.84
	Barber & Ross	Augers, etc.	8.80
4	C. W. Dorsey	Traveling expenses	49.68
	Geo. B. Massey	do.	35.15
9	Potomac Electric Power Co.	Electric current	21.93
	do.	do.	1.26
	Fred. A. Schmidt	Tracing cloth	49.00
	Harvard Laundry Co.	Washing towels	4.21
	Washington Gashight Co.	Gas	27.10
	Woodward & Lothrop	Portieres, etc.	30.76
	Church & Stephenson	Lumber	37.55
	do.	do.	41.27
	do.	do.	26.00
11	Thos. A. Caine	Traveling expenses	163.63
	J. O. Martin	do.	147.65
	Thomas D. Rice	do.	131.00
	W. W. Cobey	do.	41.55
	W. M. Hinson	do.	66.25
	L. J. Briggs	do.	34.70
	W. E. Hearn	do.	167.37
12	U. S. Envelope Co.	Envelopes	2.90
	Williams, Brown & Earle	Mantles	4.80
	Mallinckrodt Chemical Works	Chemicals	6.20
	The Armour Fertilizer Works	Fertilizer	1.95
	G. B. Jones	Traveling expenses	145.95
	W. G. Smith	do.	131.25
	Queen & Co. (Incorporated)	Sodium	2.50
	Eberhard Faber	Files	4.05
	Julien P. Friez	Forms	10.00
	F. E. Bonsteel	Traveling expenses	161.21
	W. T. Carter, jr.	do.	164.65
	A. W. Mangum	do.	132.60
	W. & L. E. Gurley	Plane table, etc.	29.75
13	George Thomas McNess	Traveling expenses	73.15
	Frank Bennett, jr.	do.	106.25
	J. C. Britton	do.	123.40
	Chas. W. Ely	do.	78.35
	J. Garnett Holmes	do.	520.70
	H. J. Wilder	do.	109.12
	Macy H. Lapham	do.	251.90
17	Delano & Moore	Photo supplies	25.99
	La Bolsa Tile Co.	Drain tile	114.50
18	Thos. H. Means	Traveling expenses	267.53
	Elmer O. Fippin	do.	151.15
	L. D. Gulley	Rent	15.00
	Texas and New Orleans R. R. Co.	Passenger transportation	37.30
	Washington Southern Rwy. Co.	do.	49.60
	Atchison, Topeka and Santa Fe Rwy. Co.	do.	6.75
	Illinois Central R. R. Co.	do.	18.00
	The Chesapeake and Ohio Rwy. Co.	do.	37.50
	Gulf, Colorado and Santa Fe Rwy. Co.	do.	11.35
	Seaboard Air Line Rwy.	do.	12.15
23	Queen & Co. (Incorporated)	Distilling bulbs	3.95
	The Okonite Co. (Limited)	Wire	7.50
	Wolf Bros.	Envelopes	4.36
	The Torsion Balance Co.	Scales	73.00
	Mallinckrodt Chemical Works	Chemicals	1.80
	Harold L. Bond Co.	Couplings	5.50
24	The Geo. W. Knox Express Co.	Transportation	2.50
	do.	do.	1.37
	R. Carter Ballantyne	Erasers	7.14
	Frederick Carl	Tube	6.50
	The J. C. Ergood Co.	Pearline	4.50
	U. S. Express Co.	Transportation	94.66
	E. G. Schafer & Co.	Packing	2.14
	Rudolph, West & Co.	Lock, etc.	.85
	Thos. Somerville & Sons	Pipe, etc.	20.18
27	Western Union Telegraph Co.	Telegraph service	37.48
29	W. H. Knox	Salary	95.60
	do.	do.	25.16
	F. E. Bonsteel	do.	95.60
	W. E. Hearn	do.	95.60
	H. W. Marean	do.	95.60
	Thos. D. Rice	do.	95.60
	J. O. Martin	do.	95.60
	Rudolph Boss	do.	25.00
	E. H. Mathewson	do.	119.60

Expenditures of the Department of Agriculture for fiscal year ending June 30, 1904—Cont'd.

SOIL INVESTIGATIONS—Continued.

Date.	Name.	Nature of payment.	Total.
1904.			
Feb. 29	Henry Weinberg	Salary	\$95.60
	W. W. Cobey	do	119.60
	Thomas A. Caine	do	95.60
	J. B. Stewart	do	119.60
	Jay F. Warner	do	79.60
	A. W. Mangum	do	95.60
	Henry J. Wilder	do	95.60
	Elmer O. Fippin	do	111.60
	Lewis W. Ayer	do	95.60
	Orla L. Ayrs	do	79.60
	Macy H. Lapham	do	127.40
	W. M. Hinson	do	159.40
	Geo. B. Massey	do	143.40
	Thos. H. Means	do	199.20
	Jay A. Bonsteel	do	189.20
	N. P. Neill	do	79.60
	A. M. Griffen	do	79.60
	J. C. Button	do	79.60
	W. J. Wood	do	62.20
	H. A. Clark	do	50.00
	W. S. Lyman	do	79.60
	L. Carl Holmes	do	79.60
	H. L. Belden	do	79.60
	A. T. Sweet	do	67.00
	Harry Rich	do	79.60
	F. R. Reid	do	67.00
	W. E. McLendon	do	79.60
	Hugh H. Bennett	do	79.60
	A. S. Root	do	79.60
	A. T. Strahorn	do	79.60
	A. H. Snyder	do	79.60
	La Mott Ruhlen	do	79.60
	F. N. Meeker	do	79.60
	W. W. Mackie	do	79.60
	A. E. Kocher	do	79.60
	G. B. Jones	do	79.60
	W. J. Geib	do	79.60
	Lewis Griswold	do	79.60
	C. W. Ely	do	79.60
	W. T. Carter, jr.	do	79.60
	M. Earl Carr	do	79.60
	E. P. Carr	do	79.60
Mar. 2	F. H. King et al.	Salaries	3,639.10
	E. H. Mathewson	Traveling expenses	15.00
3	James D. Butler	Salary	24.73
	George Shilling	Filter pumps	30.00
	Z. D. Gilman	Bottles, etc.	22.64
	The Geo. W. Knox Express Co.	Transportation	36.27
4	Milton Whitney	Traveling expenses	7.95
	A. G. Rice	do	22.60
	Eimer & Amend	Apparatus	3.70
	Henry Heil Chemical Co.	Beakers	5.77
	do	Sodium	1.90
7	George T. McNess	Traveling expenses	56.85
10	G. B. Jones	do	110.05
	F. E. Bonsteel	do	136.55
	Elmer O. Fippin	do	126.22
	J. O. Martin	do	123.35
	Harry Rich	do	20.07
	W. G. Smith	do	144.75
	Frank Bennett, jr.	do	96.99
11	Postal Telegraph-Cable Co.	Telegraph service	1.80
	Arthur H. Thomas Co.	Beakers, etc.	10.43
	Queen & Co. (Incorporated)	Paraffin	12.50
	Geo. W. Millar & Co.	Manila paper	16.50
	Mackall Bros.	Chemicals	24.95
	Chas. R. Edmonston	Pans, etc.	6.33
	Church & Stephenson	Lumber	4.00
	Potomac Electric Power Co.	Electric current	21.03
	do	do	1.72
	A. W. Mangum	Traveling expenses	121.55
	W. E. Hearn	do	146.06
	Woodward & Lothrop	Sheeting and dusters	8.70
	Washington Gaslight Co.	Gas	31.20
	Thos. Somerville & Sons	Brass tube	3.55
	Fred. A. Schmidt	Paints	1.90
12	Thos. A. Caine	Traveling expenses	158.44
	Thos. D. Rice	do	112.35
14	Fred. S. Gichner	Wire baskets	45.00



114 EXPENDITURES IN DEPARTMENT OF AGRICULTURE.

Expenditures of the Department of Agriculture for fiscal year ending June 30, 1904—Cont'd.

SOIL INVESTIGATIONS—Continued.

Date.	Name.	Nature of payment.	Total.
1904.			
Mar. 14	Delano & Moore.....	Plates.....	\$4.29
	W. T. Carter, jr.....	Traveling expenses.....	134.05
16	Geo. B. Massey.....	do.....	20.20
	A. S. Root.....	do.....	38.70
	E. H. Mathewson.....	do.....	38.40
	Henry J. Wilder.....	do.....	149.13
17	J. C. Britton.....	do.....	92.35
	W. H. Knox.....	do.....	14.75
	Chicago and Northwestern Rwy. Co.....	Transportation.....	37.02
	The Chesapeake and Ohio Rwy. Co.....	do.....	15.00
	Atlantic Coast Line R. R. Co.....	Passenger transportation.....	5.95
18	M. H. Lapham.....	Traveling expenses.....	256.70
	Blue Line Transfer Co.....	Freight, etc.....	8.81
	Herman Baumgarten.....	Numbering stamp.....	9.00
	R. Carter Ballantyne.....	Wax crayons.....	9.52
	Southern Rwy. Co.....	Passenger transportation.....	57.90
	do.....	do.....	154.18
	St. Louis and San Francisco R. R. Co.....	do.....	20.80
	Texarkana and Fort Smith Rwy. Co.....	do.....	9.10
	Texas and New Orleans R. R. Co.....	do.....	35.80
	Union Pacific R. R. Co.....	do.....	38.85
	Washington Southern Rwy. Co.....	do.....	3.50
	do.....	do.....	24.80
	Richmond, Fredericksburg and Potomac Rwy. Co.....	do.....	3.50
	Harvard Laundry Co.....	Washing towels.....	4.27
	Jas. B. Lambie Co. (Incorporated).....	Wire cloth, etc.....	4.08
	F. P. May & Co.....	Cane.....	.85
	Francis Miller.....	Glass.....	9.28
21	Thos. H. Means.....	Traveling expenses.....	211.89
	Chas. W. Ely.....	do.....	193.50
	W. M. Hinson.....	do.....	267.88
	J. G. Holmes.....	do.....	353.10
	Lewis W. Ayer.....	do.....	13.65
22	Richard S. Epley.....	Salary.....	24.73
	W. W. Cobey.....	Traveling expenses.....	28.75
24	Barber & Ross.....	Scissors, etc.....	6.05
	Harrison Manufacturing Co.....	Stills.....	15.00
	The Geo. W. Knox Express Co.....	Transportation.....	2.67
	Mackall Bros.....	Laboratory supplies.....	13.45
	Torsion Balance Co.....	Scales.....	45.00
	Jno. Underwood & Co.....	Carbon paper.....	4.70
	Union Envelope Co.....	Envelopes.....	13.90
25	J. A. Drake.....	Salary.....	67.00
26	Missouri Pacific Rwy. Co.....	Passenger transportation.....	26.90
	Southern California Rwy. Co.....	do.....	77.45
28	F. G. Nolte.....	Papering.....	24.00
29	E. B. Adams Co.....	Metal polish.....	1.00
	Frederick Carl.....	Laboratory apparatus.....	18.50
	Eimer & Amend.....	Phosphorus.....	1.13
	R. S. Epley.....	Traveling expenses.....	12.25
	Washington Rwy. and Electric Co.....	Car tickets.....	6.00
	F. L. Nichols.....	Rubber cell.....	5.50
31	Andrus & Church.....	Cross-section paper.....	3.20
	Fred. A. Schmidt.....	Rubber.....	3.50
	do.....	Mucilage.....	2.00
	do.....	Brushes.....	1.50
	E. G. Schafer & Co.....	Couplings.....	.51
	D. A. Tower.....	Pencil holders.....	5.52
	Lewis W. Ayer.....	Salary.....	102.20
	Orla L. Ayrs.....	do.....	85.20
	H. H. Bennett.....	do.....	85.20
	James D. Butler.....	do.....	51.10
	H. L. Belden.....	do.....	85.20
	Jay A. Bonsteel.....	do.....	212.90
	F. E. Bonsteel.....	do.....	102.20
	J. C. Britton.....	do.....	85.20
	M. Earl Carr.....	do.....	85.20
	E. P. Carr.....	do.....	85.20
	H. A. Clark.....	do.....	50.00
	W. W. Cobey.....	do.....	127.70
	W. T. Carter, jr.....	do.....	85.20
	Thos. A. Caine.....	do.....	102.20
	J. A. Drake.....	do.....	71.50
	C. W. Ely.....	do.....	85.20
	Richard S. Epley.....	do.....	51.10
	Elmer O. Fippin.....	do.....	119.20
	Lewis Griswold.....	do.....	85.20
	A. M. Griffen.....	do.....	85.20

Expenditures of the Department of Agriculture for fiscal year ending June 30, 1904—Cont'd.

## SOIL INVESTIGATIONS—Continued.

Date.	Name.	Nature of payment.	Total.
1904.			
Mar. 31	W. J. Geib.....	Salary.....	\$85.20
	W. W. Green.....	do.....	51.10
	W. E. Hearn.....	do.....	102.20
	G. B. Jones.....	do.....	85.20
	A. E. Kocher.....	do.....	85.20
	W. H. Knox.....	do.....	102.20
	W. S. Lyman.....	do.....	85.20
	Macy H. Lapham.....	do.....	136.30
	Geo. B. Massey.....	do.....	153.30
	E. H. Mathewson.....	do.....	127.70
	W. E. McLendon.....	do.....	85.20
	F. N. Meeker.....	do.....	85.20
	J. O. Martin.....	do.....	102.20
	A. W. Mangum.....	do.....	102.20
	W. W. Mackie.....	do.....	85.20
	Otto Olson.....	do.....	71.50
	F. R. Reed.....	do.....	71.50
	Harry Rich.....	do.....	85.20
	Thos. D. Rice.....	do.....	102.20
	La Mott Ruhlen.....	do.....	85.20
	A. S. Root.....	do.....	85.20
	J. B. Stewart.....	do.....	127.70
	A. T. Strahorn.....	do.....	85.20
	A. T. Sweet.....	do.....	71.50
	Addison H. Snyder.....	do.....	85.20
	Walter C. Taber.....	do.....	85.20
	W. J. Wood.....	do.....	66.40
	Henry Weinberg.....	do.....	102.20
	Thos. H. Means.....	do.....	212.90
	W. M. Hinson.....	do.....	170.30
	F. H. King et al.....	Salaries.....	4,147.99
	Total, third quarter.....		41,886.30
Apr 4	Rudolph Boss.....	Salary.....	61.30
	Jay F. Warner.....	do.....	85.20
	L. C. Holmes.....	do.....	85.20
6	C. N. Mooney.....	Traveling expenses.....	8.30
7	H. W. Marean.....	do.....	15.80
	Geo. B. Massey.....	do.....	12.90
	L. W. Ayer.....	do.....	20.50
9	Estate of John C. Parker.....	File boxes, etc.....	7.65
	Francis Miller.....	Oil.....	.46
	W. G. Smith.....	Traveling expenses.....	160.75
12	Whitall, Tatum Co.....	Bottles.....	4.90
	Standard Oil Co.....	Cylinder, etc.....	2.50
18	Postal Telegraph-Cable Co.....	Telegraph service.....	2.10
19	Chas. W. Ely.....	Traveling expenses.....	185.26
	F. E. Bonsteel.....	do.....	136.95
	F. Bennett, jr.....	do.....	111.54
	Lewis W. Ayer.....	do.....	42.65
	J. E. Lapham.....	do.....	25.17
	A. W. Mangum.....	do.....	108.24
	Harry Rich.....	do.....	37.15
	Thomas D. Rice.....	do.....	133.82
	Jay F. Warner.....	do.....	64.50
	Thos. A. Caine.....	do.....	165.56
	Chas. A. Jensen.....	do.....	26.75
	E. H. Mathewson.....	do.....	42.61
20	Chesapeake and Ohio Rwy. Co.....	Passenger transportation.....	39.20
	Cleveland, Cincinnati, Chicago and St. Louis Rwy.....	do.....	49.39
	do.....	do.....	11.75
	Nashville, Chattanooga and St. Louis R. R.....	do.....	7.20
	Pennsylvania R. R. Co.....	do.....	10.00
	J. C. Britton.....	Traveling expenses.....	29.35
	W. T. Carter.....	do.....	141.10
	George N. Coffey.....	do.....	22.84
	W. H. Heileman.....	do.....	58.95
	G. B. Jones.....	do.....	137.99
	M. H. Lapham.....	do.....	259.45
	Thos. H. Means.....	do.....	96.26
	W. E. Hearn.....	do.....	155.84
21	W. H. Knox.....	do.....	83.28
	Macy H. Lapham.....	do.....	3.50
22	W. M. Hinson.....	do.....	191.65
	H. J. Wilder.....	do.....	228.55
23	Fred. S. Gichner.....	Wire baskets.....	45.00
	Elmer O. Fippin.....	Traveling expenses.....	140.29
25	R. P. Andrews & Co.....	Paste.....	3.52

116 EXPENDITURES IN DEPARTMENT OF AGRICULTURE.

Expenditures of the Department of Agriculture for fiscal year ending June 30, 1904—Cont'd.

SOIL INVESTIGATIONS—Continued.

Date.	Name.	Nature of payment.	Total.
1904.			
Apr. 25	R. P. Clarke Co.	Toweling.	\$12.00
	M. Du Perow	Electrical supplies	12.63
	Delano & Moore	Photo supplies	14.40
	Z. D. Gilman	Funnels, etc.	24.83
	Harvard Laundry Co.	Laundry work	4.89
	C. J. McCubbin Co.	Repairs to engine	12.80
	L. P. Menchine	Asbestos covering	6.88
	McCauley & McGill	Tube gas	2.50
	F. G. Nolte	Plastering, etc.	15.00
	Potomac Electric Power Co.	Electric current	21.61
	.....do	.....do	.94
	Remington Typewriter Co.	Ribbons, etc.	96.72
	F. A. Schmidt	Triangles	4.20
	.....do	Pencils	14.25
	James S. Topham	Catches	3.30
	Woodward & Lothrop	Desk and soap	19.80
	J. Ross Collins	Bags	45.00
	Eimer & Amend	Weights	7.80
	.....do	Chemicals	20.85
	.....do	.....do	3.00
	.....do	Weights, etc.	10.05
	Eberhard Faber	Bands and rulers	12.40
	Emil Greiner	Pipettes	5.20
	Library Bureau	Cases, etc.	16.51
	Queen & Co. (Incorporated)	Paraffin	20.00
	The Sternberg Manufacturing Co.	Sprinkler, etc.	1.75
	The Torsion Balance Co.	Scales	45.00
	Whitall, Tatum Co.	Bottles	32.50
	C. H. Stoelting Co.	Tripod bases, etc.	8.40
27	J. O. Martin	Traveling expenses	156.14
28	National Electrical Supply Co.	Electrical supplies	3.45
	Cincinnati Northern R. R. Co.	Passenger transportation	14.00
	Cleveland, Cincinnati, Chicago and St. Louis R. R.	.....do	26.65
	Chicago, Milwaukee and St. Paul R. R.	.....do	61.63
	Alabama Great Southern R. R.	.....do	29.90
	Atlantic Coast Line R. R.	.....do	12.80
	Wm. H. Rupp	Ink	1.50
	Mackall Bros.	Flasks, etc.	6.74
	W. B. Moses & Sons	Chairs and shades	12.94
	P. H. Heiskell, jr., & Co.	Wire fence	1.50
	F. E. Myers & Bro.	Pumps	27.00
	Mallinkrodt Chemical Works	Chemicals	13.05
	International and Great Northern R. R.	Passenger transportation	6.80
	Pennsylvania R. R.	.....do	190.80
	Southern R. R. Co.	.....do	83.40
	Seaboard Air Line R. R.	.....do	129.00
	H. W. Marean	Traveling expenses	8.86
30	Orla L. Ayrs	Salary	82.40
	L. W. Ayer	.....do	98.90
	R. T. Avon Burke	.....do	98.90
	H. H. Bennett	.....do	82.40
	H. L. Belden	.....do	82.40
	James D. Butler	.....do	49.50
	F. E. Bonsteel	.....do	98.90
	Jay A. Bonsteel	.....do	206.00
	Rudolph Boss	.....do	59.30
	J. L. Burgess	.....do	82.40
	J. C. Britton	.....do	82.40
	J. O. Belz	.....do	115.40
	M. Earl Carr	.....do	82.40
	E. P. Carr	.....do	82.40
	H. A. Clark	.....do	50.00
	W. W. Cobey	.....do	123.60
	W. T. Carter, jr.	.....do	82.40
	Thos. A. Caine	.....do	98.90
	C. L. Cooke	.....do	82.40
	J. A. Drake	.....do	69.20
	Chas. W. Ely	.....do	82.40
	Richard S. Epley	.....do	49.50
	Elmer O. Fippin	.....do	115.40
	A. M. Griffen	.....do	82.40
	L. Griswold	.....do	52.20
	W. J. Geib	.....do	82.40
	W. W. Green	.....do	49.50
	W. M. Hinson	.....do	164.80
	J. C. Hogensen	.....do	98.90
	L. Carl Holmes	.....do	82.40
	W. E. Hearn	.....do	98.90
	G. B. Jones	.....do	82.40



Expenditures of the Department of Agriculture for fiscal year ending June 30, 1904—Cont'd.

## SOIL INVESTIGATIONS—Continued.

Date.	Name.	Nature of payment.	Total.
1904.			
Apr. 30	A. E. Kocher.....	Salary.....	\$82.40
	W. H. Knox.....	do.....	98.90
	W. S. Lyman.....	do.....	82.40
	Lawrence A. Kolbe.....	do.....	82.40
	M. H. Lapham.....	do.....	131.90
	J. E. Lapham.....	do.....	115.40
	T. H. Means.....	do.....	206.00
	E. H. Mathews.....	do.....	123.60
	W. E. McLendon.....	do.....	82.40
	Geo. B. Massey.....	do.....	148.30
	F. N. Mecker.....	do.....	82.40
	J. O. Martin.....	do.....	98.90
	W. W. Mackie.....	do.....	82.40
	C. N. Mooney.....	do.....	98.90
	A. W. Mangum.....	do.....	98.90
	N. P. Neill.....	do.....	82.40
	Otto Olson.....	do.....	69.20
	Harry Rich.....	do.....	82.40
	Thos. D. Rice.....	do.....	98.90
	A. S. Root.....	do.....	82.40
	La Mott Ruhlen.....	do.....	82.40
	J. B. Stewart.....	do.....	123.60
	A. T. Strahorn.....	do.....	82.40
	F. D. Stevens.....	do.....	98.90
	F. C. Schroeder.....	do.....	82.40
	A. T. Sweet.....	do.....	69.20
	Addison H. Snyder.....	do.....	82.40
	Walter C. Taber.....	do.....	82.40
	W. E. Thorp.....	do.....	82.40
	Jay F. Warner.....	do.....	82.40
	W. J. Wood.....	do.....	64.30
	Henry Weinberg.....	do.....	98.90
	Henry J. Wilder.....	do.....	98.90
	Marcus L. Floyd.....	do.....	156.59
	F. H. King et al.....	Salaries.....	3,102.52
May 3	W. E. McLendon.....	Traveling expenses.....	18.80
	C. W. Dorsey.....	do.....	9.02
6	Whitall, Tatum Co.....	Bottles.....	7.20
	Nagle Engine Boiler Works.....	Grate bars.....	9.00
	Francis Miller.....	Glass.....	2.60
	Remington Typewriter Co.....	Typewriter.....	92.25
	do.....	Ribbons.....	2.75
	B. F. Starr & Co.....	Bolting cloth.....	7.00
	L. E. Knott Apparatus Co.....	Fasteners.....	14.26
	W. & L. E. Gurley.....	Screws.....	4.50
	do.....	Plane table, etc.....	43.35
	Emil Greiner.....	Stoppers.....	15.00
	The Trasse Co.....	Blow pipe, etc.....	6.62
	Eimer & Amend.....	Bellows.....	5.15
	do.....	Cylinders.....	7.20
7	J. E. Lapham.....	Traveling expenses.....	79.22
	H. J. Wilder.....	do.....	117.10
	E. H. Mathewson.....	do.....	26.43
	Geo. B. Massey.....	do.....	41.49
	Harry Rich.....	do.....	10.26
	F. R. Reid.....	do.....	69.20
12	J. Bishop & Co.....	Crucibles.....	55.62
	The Weems Steamboat Co.....	Freight charges.....	1.50
13	E. G. Schafer & Co.....	Plumbers' supplies.....	6.12
	Thos. Somerville & Sons.....	Lubricators, etc.....	7.16
	Fred. A. Schmidt.....	Squares, etc.....	7.20
	Z. D. Gilman.....	Labels.....	1.50
	Washington Gaslight Co.....	Gas.....	22.00
	do.....	do.....	14.20
	Western Union Telegraph Co.....	Telegraph service.....	34.52
	Fred. Carl.....	Filter pump.....	20.00
	The Chesapeake and Potomac Telephone Co.....	Telephone service.....	6.25
	The Geo. W. Knox Express Co.....	Transportation.....	6.74
	Blue Line Transfer Co.....	do.....	1.45
	District of Columbia Paper Manufacturing Co.....	Blotting paper.....	2.97
	Densmore Typewriter Co.....	Repairs.....	1.70
	Jas. B. Lambie Co.....	Sheet copper.....	1.93
17	G. N. Coffey.....	Traveling expenses.....	103.70
18	Atlantic Coast Line R. R. Co.....	Passenger transportation.....	22.85
	Chicago and Northwestern R. R. Co.....	do.....	11.25
	Union Pacific R. R. Co.....	do.....	27.10
	Illinois Central R. R.....	do.....	28.75
	The Western Rwy. of Alabama.....	do.....	10.07
	Mobile and Ohio R. R. Co.....	do.....	20.20
	Houston East and West Texas Rwy.....	do.....	75.50

118 EXPENDITURES IN DEPARTMENT OF AGRICULTURE.

Expenditures of the Department of Agriculture for fiscal year ending June 30, 1904—Cont'd.

SOIL INVESTIGATIONS—Continued.

Date.	Name.	Nature of payment.	Total.
1904			
May 19	J. O. Belz.....	Traveling expenses.....	\$156.16
	W. H. Heileman.....	do.....	161.20
20	F. E. Bonsteel.....	do.....	157.24
	C. A. Jensen.....	do.....	147.41
	W. M. Hinson.....	do.....	113.30
	Jay F. Warner.....	do.....	16.86
	F. Bennett, jr.....	do.....	147.11
21	W. T. Carter, jr.....	do.....	137.95
	T. H. Means.....	do.....	18.00
	M. H. Lapham.....	do.....	145.65
23	W. H. Knox.....	do.....	73.85
	J. C. Britton.....	do.....	143.39
	W. W. Cobey.....	do.....	41.35
	L. C. Holmes.....	do.....	33.43
	G. T. McNess.....	do.....	47.68
24	Chas. W. Ely.....	do.....	118.39
25	C. N. Mooney.....	do.....	83.70
	Marcus L. Floyd.....	do.....	28.76
26	C. Becker.....	Trunk.....	18.75
27	J. O. Martin.....	Traveling expenses.....	166.75
31	James A. Crotty.....	Salary.....	18.00
	James E. Byron.....	do.....	13.50
	F. H. King et al.....	Salaries.....	3,245.90
June 1	T. H. Means.....	Salary.....	34.34
	J. E. Lapham.....	do.....	119.20
	M. H. Lapham.....	do.....	136.20
	W. S. Lyman.....	do.....	85.20
	L. A. Kolbe.....	do.....	85.20
	W. H. Knox.....	do.....	102.20
	A. E. Kocher.....	do.....	85.20
	L. C. Holmes.....	do.....	85.20
	W. M. Hinson.....	do.....	170.40
	W. W. Green.....	do.....	51.00
	W. J. Geib.....	do.....	85.20
	A. M. Griffen.....	do.....	85.20
	M. L. Floyd.....	do.....	255.50
	Richard S. Epley.....	do.....	51.00
	Chas. W. Ely.....	do.....	85.20
	J. A. Drake.....	do.....	71.60
	C. L. Cooke.....	do.....	85.20
	T. A. Caine.....	do.....	102.20
	W. T. Carter, jr.....	do.....	85.20
	W. W. Cobey.....	do.....	127.80
	H. A. Clark.....	do.....	50.00
	E. P. Carr.....	do.....	85.20
	M. E. Carr.....	do.....	85.20
	J. C. Britton.....	do.....	85.20
	J. L. Burgess.....	do.....	85.20
	Rudolph Boss.....	do.....	61.40
	J. A. Bonsteel.....	do.....	213.00
	J. D. Butler.....	do.....	51.00
	F. E. Bonsteel.....	do.....	102.20
	H. L. Belden.....	do.....	85.20
	H. H. Bennett.....	do.....	85.20
	R. T. Avon Burke.....	do.....	102.20
	Lewis W. Ayer.....	do.....	102.20
	Orla L. Ayrs.....	do.....	85.20
	W. E. Tharp.....	do.....	85.20
	A. W. Mangum.....	do.....	102.20
	C. N. Mooney.....	do.....	102.20
	W. W. Mackie.....	do.....	85.20
	J. O. Martin.....	do.....	102.20
	F. N. Meeker.....	do.....	85.20
	G. B. Massey.....	do.....	153.40
	E. H. Mathewson.....	do.....	127.80
	W. E. McLendon.....	do.....	85.20
	T. D. Rice.....	do.....	102.20
	Harry Rich.....	do.....	85.50
	Otto Olson.....	do.....	71.60
	N. P. Neill.....	do.....	85.20
	A. H. Snyder.....	do.....	85.20
	A. T. Sweet.....	do.....	71.60
	F. D. Stevens.....	do.....	102.20
	A. T. Strahorn.....	do.....	85.20
	J. B. Stewart.....	do.....	127.80
	L. M. Ruhlen.....	do.....	85.20
	A. S. Root.....	do.....	85.20
	G. B. Jones.....	do.....	85.20
	H. J. Wilder.....	do.....	102.20
	H. Weinberg.....	do.....	102.20

Expenditures of the Department of Agriculture for fiscal year ending June 30, 1904—Cont'd.

## SOIL INVESTIGATIONS—Continued.

Date.	Name.	Nature of payment.	Total.
1904.			
June 1	W. J. Wood	Salary	\$66.40
	Jay F. Warner	do.	85.20
	W. C. Taber	do.	85.20
	F. C. Schroeder	do.	85.20
	W. E. Hearn	do.	102.20
	E. O. Fippin	do.	119.20
	J. C. Hogenson	do.	102.20
	J. O. Belz	do.	119.20
	E. O. Fippin	Traveling expenses	94.09
	W. E. Hearn	do.	149.40
	G. B. Jones	do.	129.54
	A. H. Snyder	do.	115.61
	T. D. Rice	do.	102.99
	A. W. Mangum	do.	114.42
	T. H. Means	do.	53.45
	W. G. Smith	do.	159.25
2	R. T. Avon Burke	do.	128.17
	T. A. Caine	do.	156.17
3	Elmer & Amend	Chemicals	4.35
	Francis Miller	Glass	1.05
	The Imperial Co.	Bags	88.00
	Emil Greiner	Bulb	6.00
	do.	Rubber stoppers	7.50
	Potomac Electric Power Co.	Electric current	15.29
	National Electric Supply Co.	Fans	89.80
4	The Torston Balance Co.	Scales	30.00
	The Geo. W. Knox Express Co.	Transportation	6.86
	United States Express Co.	do.	53.93
	Adams Express Co.	do.	28.40
	do.	do.	128.18
	J. H. Lane & Co.	Fertilizer, etc.	1,153.04
	Washington Railway and Electric Co.	Tickets	6.00
6	National Electrical Supply Co.	Card, etc.	8.03
	Queen & Co.	Bottles	15.75
	do.	do.	9.45
	Remington Typewriter Co.	Ribbons	2.75
	Hugh Reilly	Shellac	1.80
	E. G. Schafer	Couplings, etc.	2.73
	Woodward & Lothrop	Soap, etc.	5.34
	do.	Sheeting	23.57
	Church & Stephenson	Lumber	4.00
	do.	do.	82.20
	do.	do.	200.50
	Potomac Electric Power Co.	Electric current	20.15
	G. N. Saegmuller	Repairs to compasses	3.00
	do.	do.	1.50
	Emil Greiner	Rubber stoppers, etc.	14.15
	do.	Bottles	10.67
	The Okonite Co. (Limited)	Wire	28.00
	Jno. Underwood	Carbon paper	9.40
	Mackall Bros	Apparatus	23.23
	Mallinckrodt Chemical Works	Chemicals	40.28
	Jas. B. Lambie & Co. (Incorporated)	Drill attachment, etc.	6.80
	do.	Screws, etc.	8.15
	W. & L. E. Gurley	Compasses	45.90
	Elmer & Amend	Chemicals, etc.	32.18
	Wm. H. Dyer	Wire molding	12.00
	Wm. Ballantyne & Sons	Tags	9.04
	R. C. Ballantyne	Copying paper, etc.	22.32
11	T. D. Rice	Traveling expenses	140.39
	L. W. Ayer	do.	14.00
	Geo. B. Massey	do.	35.25
	Harry Rich	do.	34.11
	A. H. Snyder	do.	12.40
	Eberhard Faber	Erasers	2.88
15	Jas. A. Crotty	Services	52.00
	Jas. E. Byron	do.	22.20
	R. Collins	do.	25.00
	J. C. Britton	Traveling expenses	27.44
	M. H. Lapham	do.	187.35
	W. H. Helleman	do.	73.15
	R. T. Avon Burke	do.	104.98
	Geo. T. McNess	do.	63.15
	E. H. Mathewson	do.	47.48
	L. Carl Holmes	do.	36.67
	C. W. Dorsey	do.	86.30
	G. N. Coffey	do.	109.94
	H. W. Marean	do.	152.57
	C. A. Jensen	do.	130.05
	W. G. Smith	do.	149.25



Expenditures of the Department of Agriculture for fiscal year ending June 30, 1904—Cont'd.

## SOIL INVESTIGATIONS—Continued.

Date.	Name.	Nature of payment.	Total.
1904.			
June 15	F. Bennett, jr.	Traveling expenses	\$122.00
	F. E. Bonsteel	do	145.40
16	W. E. Hearn	do	148.23
	G. B. Jones	do	126.65
	J. E. Lapham	do	126.99
	C. N. Mooney	do	114.37
	J. O. Martin	do	139.14
17	H. J. Wilder	do	135.41
	W. M. Hinson	do	223.75
	C. W. Ely	do	12.38
	L. W. Ayer	do	22.64
	T. A. Caine	do	138.04
	A. W. Mangum	do	116.88
	W. T. Carter, jr.	do	161.05
20	W. & L. E. Gurely	Scales	4.80
	J. Baumgarten & Sons	Pad	.72
	J. Bishop & Co.	Remaking dishes, etc	14.17
	J. H. Bunnell & Co.	Sockets, etc	30.05
	S. H. Davis & Co.	Repairs to odometers	6.00
	M. Du Perow	Cut-outs, etc	21.58
	John C. Parker	Pins, etc	14.70
	D. F. Parker	Paper	9.60
	Rudolph, West & Co.	Emery cloth	19.97
	Rudolph, West & Co.	Brads, etc	22.16
	Potomac Electric Power Co.	Lamps	16.00
	do	Electric current	13.78
	Mackall Bros.	Filters, etc	52.03
	Geo. F. Muth & Co.	Lead, etc	4.07
	Library Bureau	Case and trays	13.50
	Jas. B. Lambie Co. (Incorporated)	Label, plates, etc	17.38
	Emil Geiner	Repairs to pump	7.50
	McCauley & McGill	Gas, etc	2.94
	Francis Miller	Glass	4.66
	F. A. Schmidt	Pencils, etc	45.30
	E. R. Squibb & Sons	Litmus paper	2.88
	Hugh Reilly	Glue	3.75
	Washington Gas Light Co.	Gas	12.70
	Woodward & Lothrop	Chairs, etc	32.39
	Whitall Tatum Co.	Beakers, etc	21.90
	Thos. Somerville & Sons	Tube, etc	11.52
21	W. H. Knox	Traveling expenses	23.50
22	W. W. Cobey	do	209.14
25	J. Garnett Holmes	do	54.81
	J. F. Warner	do	6.25
27	E. O. Fippin	do	132.00
	Jas. L. Burgess	do	68.08
30	E. A. Gstolder	Salary	46.50
	R. Collins	do	35.00
	H. L. Skidmore	do	9.00
	J. A. Cratty	do	50.00
	J. E. Byron	do	23.13
	F. H. King et al	Salaries	3,600.35
	Total, fourth quarter		37,718.68
	<i>Supplemental.</i>		
July 1	Jay F. Warner	Salary	82.40
	H. A. Clark	do	50.00
	W. J. Wood	do	64.30
	J. B. Stewart	do	123.60
	T. A. Caine	do	98.90
	Lewis W. Ayer	do	98.90
	Orla L. Ayrs	do	82.40
	J. L. Burgess	do	82.40
	E. P. Carr	do	82.40
	M. E. Carr	do	82.40
	W. T. Carter, jr.	do	82.40
	C. W. Ely	do	82.40
	W. J. Geib	do	82.40
	G. B. Jones	do	82.40
	A. E. Kocher	do	82.40
	W. W. Mackie	do	82.40
	F. N. Meeker	do	82.40
	A. S. Root	do	82.40
	L. M. Ruhlen	do	82.40
	A. H. Snyder	do	82.40
	A. T. Strahorn	do	82.40
	L. A. Hurst	do	82.40

Expenditures of the Department of Agriculture for fiscal year ending June 30, 1904—Cont'd.

## SOIL INVESTIGATIONS—Continued.

Date.	Name.	Nature of payment.	Total.
<i>Supplemental—Continued.</i>			
1904 July 1	H. S. Bennett.....	Salary.....	\$82.40
	Geo. B. Massey.....	do.....	148.30
	W. M. Hinson.....	do.....	164.80
	M. H. Lapham.....	do.....	131.90
	E. O. Fippin.....	do.....	115.40
	J. E. Lapham.....	do.....	115.40
	Henry J. Wilder.....	do.....	98.90
	R. T. Avon Burke.....	do.....	98.90
	T. D. Rice.....	do.....	98.90
	C. N. Mooney.....	do.....	98.90
	A. W. Mangum.....	do.....	98.90
	W. H. Knox.....	do.....	98.90
	W. E. Hearn.....	do.....	98.90
	F. E. Bonsteel.....	do.....	98.90
	J. A. Drake.....	do.....	69.20
	R. S. Epley.....	do.....	49.50
	M. L. Floyd.....	do.....	247.25
	W. C. Taber.....	do.....	82.40
	W. E. Tharp.....	do.....	82.40
	James D. Butler.....	do.....	49.50
	R. Boss.....	do.....	59.30
	W. W. Green.....	do.....	49.50
	Otto Olson.....	do.....	69.20
	J. C. Britton.....	do.....	82.40
	A. M. Griffen.....	do.....	82.40
	N. P. Neill.....	do.....	82.40
	Jay A. Bonsteel.....	do.....	206.00
	L. A. Kolbe.....	do.....	82.40
	C. L. Cooke.....	do.....	82.40
	W. E. McLendon.....	do.....	82.40
	Harry Rich.....	do.....	82.40
	A. T. Sweet.....	do.....	69.20
	H. L. Belden.....	do.....	82.40
	L. C. Holmes.....	do.....	82.40
	W. S. Lyman.....	do.....	82.40
	F. C. Schroeder.....	do.....	82.40
	F. D. Stevens.....	do.....	98.90
	J. O. Martin.....	do.....	98.90
	E. H. Mathewson.....	do.....	123.60
	Henry Weinberg.....	do.....	98.90
	W. W. Cobey.....	do.....	123.60
2	J. G. Holmes.....	do.....	19.78
	F. R. Reid.....	do.....	69.20
5	J. O. Belz.....	Traveling expenses.....	34.00
7	Church & Stephenson.....	Lumber.....	204.75
11	J. C. Britton.....	Traveling expenses.....	24.05
	F. K. Cameron.....	do.....	23.10
	G. B. Massey.....	do.....	116.00
14	Delano & Moore.....	Photo supplies, etc.....	9.90
15	L. W. Ayer.....	Traveling expenses.....	12.61
	W. H. Helleman.....	do.....	56.00
	E. H. Mathewson.....	do.....	30.97
	G. T. McNess.....	do.....	67.80
	Harry Rich.....	do.....	26.15
	J. B. Stewart.....	do.....	54.40
18	R. T. Avon Burke.....	do.....	132.65
	F. E. Bonsteel.....	do.....	112.38
	C. W. Ely.....	do.....	52.46
	M. L. Floyd.....	do.....	129.83
	L. C. Holmes.....	do.....	8.70
	J. G. Holmes.....	do.....	54.25
	G. B. Jones.....	do.....	124.15
	A. W. Mangum.....	do.....	84.49
	H. W. Marean.....	do.....	118.88
	F. R. Reid.....	do.....	53.40
	J. F. Warner.....	do.....	25.25
	Z. D. Gilman.....	Chemicals.....	27.50
	do.....	Flasks, etc.....	11.18
	W. B. Moses & Sons.....	File case, etc.....	508.40
	Potomac Electric Power Co.....	Electric current.....	3.28
	do.....	do.....	8.90
	Washington Gas Light Co.....	Gas.....	13.30
	Western Union Telegraph Co.....	Telegraph service.....	7.16
19	W. T. Carter, Jr.....	Traveling expenses.....	143.55
	W. W. Cobey.....	do.....	139.11
	Geo. N. Coffey.....	do.....	48.53
	E. O. Fippin.....	do.....	96.45
	W. E. Hearn.....	do.....	91.75
	Chas. A. Jensen.....	do.....	144.75

Expenditures of the Department of Agriculture for fiscal year ending June 30, 1904—Cont'd.

## SOIL INVESTIGATIONS—Continued.

Date.	Name.	Nature of payment.	Total.
<i>Supplemental—Continued.</i>			
1904.			
July 19	W. H. Knox.....	Traveling expenses.....	\$31.70
	J. E. Lapham.....	.....do.....	110.48
	J. O. Martin.....	.....do.....	152.49
	T. D. Rice.....	.....do.....	141.28
	W. G. Smith.....	.....do.....	159.05
	J. H. Bunnell & Co.....	Electric supplies.....	6.15
	S. H. Davis & Co.....	Odometers.....	45.00
	Eimer & Amend.....	Filter pumps, etc.....	29.10
	Emil Greiner.....	Stoppers.....	17.50
	Henry Heil Chemical Co.....	Tubing.....	7.70
	.....do.....	Chemicals, etc.....	2.09
	.....do.....	Glass tubing.....	1.69
	J. I. Holcomb.....	Brushes.....	6.17
	Geo. W. Miller.....	Paper.....	21.00
	.....do.....	.....do.....	17.00
	The Okonite Co. (Limited).....	Wire.....	4.00
	.....do.....	.....do.....	2.81
	Pratt & Whitney Co.....	Apparatus.....	215.30
	Queen & Co. (Incorporated).....	Chemicals.....	19.04
	.....do.....	.....do.....	9.05
	C. H. Stoelting Co.....	Screens.....	12.02
	.....do.....	Clamps.....	11.75
	.....do.....	Rubber rods.....	10.90
	A. H. Thomas Co.....	Flasks.....	7.53
	.....do.....	Blast lamps, etc.....	6.56
	A. L. Webb & Sons.....	Alcohol.....	22.95
	Whitall-Tatum Co.....	Beakers, etc.....	30.50
	.....do.....	Flasks.....	1.12
	.....do.....	Cases.....	8.00
20	Yawman & Erbe Manufacturing Co.....	Traveling expenses.....	139.56
	Frank Bennett, jr.....	.....do.....	152.74
	T. A. Caine.....	.....do.....	101.95
	C. W. Dorsey.....	.....do.....	306.89
	N. M. Hinson.....	.....do.....	108.25
	M. H. Lapham.....	.....do.....	145.68
	C. N. Mooney.....	.....do.....	144.70
	H. J. Wilder.....	.....do.....	36.50
	Wm. F. Bowen.....	Cans.....	7.25
	R. C. M. Burton & Son.....	Canvas.....	4.85
	Frederick Carl.....	Repairs, etc.....	6.25
	The Chesapeake and Potomac Telephone Co.....	Telephone service.....	1.50
	Densmore Typewriter Co.....	Typewriter pads.....	82.88
	C. R. Edmonston.....	Bougies, etc.....	93.00
	Frosberg & Murray.....	Pump.....	.59
	Geo. W. Knox Express Co.....	Transportation.....	63.00
	Julius Lansburg.....	Couch and chairs.....	98.20
	Mackall Bros.....	Flasks.....	11.75
	Francis Miller.....	Oil, etc.....	2.50
	McCauley & McGill.....	Gas tube.....	26.75
	Rudolph, West & Co.....	Locks.....	11.69
	Wm. H. Rupp Co.....	Note books, etc.....	3.60
	Hugh Reilly.....	Shellac.....	1.75
	Standard Oil Co.....	Oil.....	61.45
	E. G. Schafer & Co.....	Plumber's material.....	1.88
	.....do.....	.....do.....	3.00
	.....do.....	Globe valve.....	15.30
	F. A. Schmidt.....	Dotting pens.....	84.09
	.....do.....	Drawing paper, etc.....	1.80
	J. Geo. Smith.....	Penholders.....	7.40
	Geo. W. Spier.....	Clock.....	75.52
	Thos. Somerville & Sons.....	Threads, etc.....	3.60
	.....do.....	Tubing, etc.....	6.00
	Washington Railway and Electric Co.....	Car tickets.....	295.20
	Woodward & Lothrop.....	Desks, etc.....	7.40
	Geo. W. Spier.....	Clock.....	11.50
23	F. E. Bonsteel.....	Traveling expenses.....	93.56
	J. L. Burgess.....	.....do.....	8.25
	M. L. Floyd.....	.....do.....	19.40
	Pennsylvania R. R. Co.....	Passenger transportation.....	52.02
	.....do.....	.....do.....	31.80
	.....do.....	.....do.....	84.60
	.....do.....	.....do.....	15.60
	.....do.....	.....do.....	60.29
	.....do.....	.....do.....	15.30
	Washington Southern Rwy. Co.....	Expenses.....	4.70
26	A. G. Rice.....	Installing electric light, etc.....	55.16
	J. E. Crandall.....	.....do.....	37.30
30	Texas and New Orleans R. R. Co.....	Passenger transportation.....	12.60
	Houston and Texas Central R. R. Co.....	.....do.....	



Expenditures of the Department of Agriculture for fiscal year ending June 30, 1904—Cont'd.

## SOIL INVESTIGATIONS—Continued.

Date.	Name.	Nature of payment.	Total.
<i>Supplemental—Continued.</i>			
1904.			
July 30	Ann Arbor R. R. Co. ....	Passenger transportation.....	\$15.20
	New York Central and Hudson River R. R. ....	do.....	28.10
	Oregon Short Line R. R. Co. ....	do.....	34.80
	do.....	do.....	13.10
	Northern Pacific Rwy. Co. ....	do.....	4.85
	New York, Philadelphia and Norfolk R. R. Co. ....	do.....	12.60
	New Orleans and Northeastern R. R. ....	do.....	17.30
	New York, New Haven and Hartford R. R. Co. ....	do.....	7.55
	do.....	do.....	17.35
	Atlantic Coast Line R. R. Co. ....	do.....	51.80
	do.....	do.....	26.75
	Chesapeake and Ohio R. R. Co. ....	do.....	28.10
	Chicago and Northwestern Rwy. Co. ....	do.....	33.00
	International and Great Northern R. R. ....	do.....	100.20
	Maricopa and Phoenix and Salt River Valley R. R. Co. ....	Freight.....	276.82
	do.....	Passenger transportation.....	37.20
	Louisville and Nashville R. R. ....	do.....	44.35
	M. L. Floyd.....	Traveling expenses.....	125.90
Aug. 2	W. H. Heileman.....	do.....	8.35
3	Jas. B. Lambie Co. (Incorporated).....	Iron, etc.....	24.50
	T. Somerville & Sons.....	Galvanized pipe, etc.....	59.65
	Delano & Moore.....	Solio paper.....	33.70
	John C. Parker.....	Pads, etc.....	13.53
	National Electric Supply Co. ....	Desk fans.....	51.00
	Mackall Bros.....	Flasks, etc.....	27.09
	W. B. Moses & Sons.....	Rug, etc.....	291.25
	Thos. Somerville & Sons.....	Tank and pump.....	16.90
	do.....	Lead tubing, etc.....	23.35
	E. G. Schafer & Co. ....	Ells.....	3.63
12	F. Bennett, jr.....	Traveling expenses.....	9.64
	M. H. Lapham.....	do.....	26.00
	E. H. Mathewson.....	do.....	3.00
16	Western Union Telegraph Co. ....	Telegraph service.....	9.65
	J. E. Crandall.....	Telephones, etc.....	363.40
	Z. D. Gilman.....	Rubber tubing, etc.....	60.00
17	Andrus & Church.....	Paper.....	1.64
	Barber & Ross.....	Buckets, etc.....	11.05
	The Hartford Tobacco Association.....	Rent.....	2.00
	The Geo. W. Knox Express Co. ....	Freight.....	11.21
	do.....	do.....	1.25
	Geo. F. Muth & Co. ....	White lead, etc.....	104.78
	A. J. Murphy.....	Rent.....	4.00
	W. B. Page.....	do.....	.50
	Rudolph, West & Co. ....	Baskets.....	8.40
	Jno. Sprott.....	Rent.....	5.00
	O. H. Meinges.....	do.....	20.00
	Woodward & Lothrop.....	Cuspidors.....	1.49
18	H. C. Babcock.....	Rent.....	100.00
	Kellogg Switchboard and Supply Co. ....	Desk stand.....	8.75
	The Torsion Balance Co. ....	Repairs to scales.....	1.30
	Western Electric Co. ....	Electrolytic bridges.....	40.00
	Library Bureau.....	Stand.....	5.00
22	B. C. Maroney.....	Land rent.....	5.50
	T. Maroney.....	do.....	4.00
27	B. F. Bridges.....	Rent.....	80.00
Sept. 14	U. S. Express Co. ....	Transportation.....	8.65
	do.....	do.....	10.65
19	Pacific Coast S. S. Co. ....	Passenger transportation.....	18.00
	Oregon Short Line R. R. Co. ....	do.....	17.40
	Atlantic Coast Line R. R. Co. ....	do.....	28.95
	Chicago and Northwestern Rwy. Co. ....	do.....	13.23
	Chicago, Burlington and Quincy Rwy. Co. ....	do.....	28.65
	Chicago and Alton Rwy. Co. ....	do.....	7.50
	The Atchison, Topeka and Santa Fe Rwy. Co. ....	do.....	30.85
	Pennsylvania Company.....	do.....	12.95
	Baltimore and Ohio R. R. Co. ....	do.....	9.70
	do.....	do.....	71.50
	The Pullman Co. ....	do.....	5.50
	The Wabash R. R. Co. ....	do.....	27.65
	Chesapeake and Ohio Rwy. Co. ....	do.....	38.15
	Southern Rwy. Co. ....	do.....	26.10
	Seaboard Air Line Rwy.....	do.....	19.35
	International and Great Northern R. R. Co. ....	do.....	3.40
	do.....	do.....	1.95
	New York, New Haven and Hartford R. R. Co. ....	do.....	8.17
	Cleveland, Cincinnati, Chicago and St. Louis Rwy.....	do.....	46.50

124 EXPENDITURES IN DEPARTMENT OF AGRICULTURE.

Expenditures of the Department of Agriculture for fiscal year ending June 30, 1904—Cont'd.

SOIL INVESTIGATIONS—Continued.

Date.	Name.	Nature of payment.	Total.
<i>Supplemental—Continued.</i>			
1904. Sept. 19	Pittsburg, Cincinnati, Chicago and St Louis Rwy. Co.	Passenger transportation.....	\$80.64
	Northern Pacific Rwy. Co.....	do.....	40.00
	do.....	do.....	7.15
	do.....	do.....	32.55
	Houston East and West Rwy. Co.....	do.....	7.30
	Southern Pacific Co.....	do.....	116.60
	do.....	do.....	288.25
	Houston and Texas Central Rwy. Co.....	do.....	44.45
	Louisville and Nashville R. R. Co.....	do.....	73.19
	The Delaware and Hudson Co.....	do.....	26.62
20	Adams Express Co.....	Transportation.....	74.06
	The Chesapeake and Potomac Telephone Co.	Moving telephone.....	8.53
	Boston Gear Works.....	Gear.....	1.75
24	Church & Stephenson.....	Lumber.....	27.00
	Western Union Telegraph Co.....	Telegraph service.....	9.93
26	Slater Brick Co.....	Tile.....	24.35
	Total.....		16,131.59

RECAPITULATION.

Total first quarter.....	\$28,331.51
Total second quarter.....	36,286.39
Total third quarter.....	41,886.30
Total fourth quarter.....	37,718.68
Total supplemental.....	16,131.59
Total.....	160,354.47

PAID BY UNITED STATES TREASURY.

Date.	Name.	Nature of payment.	Total.
1903. Nov. 10	Southern Pacific Co.....	Passenger transportation.....	\$7.50
1904. Feb. 17	do.....	do.....	123.60
	do.....	do.....	3.65
Apr. 14	Northern Pacific R. R. Co.....	do.....	42.15
23	Union Pacific R. R. Co.....	do.....	191.70
Sept. 8	Southern Pacific Co.....	do.....	115.15
	do.....	do.....	114.40
	Total.....		598.15

SPECIAL DISBURSING AGENT.

1903. Sept. 17	Garrett Holmes.....		\$2,000.00
Nov. 13	do.....		500.00
1904. Jan. 11	do.....		215.50
	Total.....		2,715.50

SOIL INVESTIGATIONS—RENT

1903. Aug. 4	Jno. F. Shea.....	Rent, July.....	\$110.00
7	W. A. Brown.....	do.....	50.00
Sept. 11	Jno. F. Shea.....	Rent, August.....	110.00
	W. A. Brown.....	do.....	50.00
	Total, first quarter.....		320.00

Expenditures of the Department of Agriculture for fiscal year ending June 30, 1904—Cont'd.

## SOIL INVESTIGATIONS—RENT—Continued.

Date.	Name.	Nature of payment.	Total.
1903.			
Oct. 8	Jno. F. Shea.....	Rent, September.....	\$110.00
	Walter A. Brown.....	do.....	50.00
Nov. 5	do.....	Rent, October.....	50.00
	Jno. F. Shea.....	do.....	110.00
Dec. 5	do.....	Rent, November.....	110.00
	Walter A. Brown.....	do.....	50.00
	Total, second quarter.....		480.00
1904.			
Jan. 8	Jno. F. Shea.....	Rent, December, 1903.....	110.00
	Walter A. Brown.....	do.....	50.00
Feb. 3	Jno. F. Shea.....	Rent, January, 1904.....	110.00
8	W. A. Brown.....	do.....	50.00
Mar. 2	Jno. F. Shea.....	Rent, February.....	110.00
	W. A. Brown.....	do.....	50.00
	Total, third quarter.....		480.00
Apr. 13	Jno. F. Shea.....	Rent, March.....	110.00
	W. A. Brown.....	do.....	50.00
May 6	Jno. F. Shea.....	Rent, April.....	110.00
	W. A. Brown.....	do.....	50.00
June 4	Jno. F. Shea.....	Rent, May.....	110.00
	W. A. Brown.....	do.....	50.00
	Total.....		480.00
	<i>Supplemental.</i>		
1904.			
July 6	W. A. Brown.....	Rent, June.....	50.00
14	Jno. F. Shea.....	do.....	110.00
	Total.....		160.00
	Total rent for year.....		1,920.00

## ENTOMOLOGY.

1903.			
July 21	Jacob Kotinsky.....	Traveling expenses.....	\$34.87
25	Townsend-Barber Taxidermy and Zoo Co.....	Species of Coccidæ.....	21.50
	Morrill & Morley.....	Spray pump, etc.....	17.00
29	Adler Color & Chemical Works.....	Chemicals.....	8.70
Aug. 1	A. L. Quaintance.....	Salary.....	134.80
	E. S. G. Titus.....	do.....	100.00
3	W. D. Hunter.....	do.....	189.55
	W. E. Hinds.....	do.....	126.40
	G. H. Harris.....	do.....	125.00
	A. W. Morrill.....	do.....	100.00
	W. F. Fiske.....	do.....	50.00
4	Theo. Pergande.....	Traveling expenses.....	33.00
14	W. D. Hunter.....	do.....	153.80
	A. L. Quaintance.....	do.....	80.36
15	Ernest Betz.....	Labels.....	8.00
17	Queen & Co. (Incorporated).....	Paraffin.....	.50
18	Z. D. Gilman.....	Chemicals.....	.66
19	W. D. Hunter.....	Expenses.....	43.10
	Warren E. Hinds.....	Traveling expenses.....	28.00
	Henry Heil Chemical Co.....	Pipettes.....	2.70
	Bausch & Lomb Optical Co.....	Field glass.....	3.75
	do.....	Dissecting set, etc.....	9.40
	Library Bureau.....	Cards.....	11.10
	American Entomological Co.....	Forceps, etc.....	6.40
	E. S. Peters.....	Hire of horse.....	15.00
	Geo. H. Harris.....	Traveling expenses.....	19.22
	A. W. Morrill.....	do.....	89.98
20	Kny-Scheerer Co.....	Apparatus.....	5.00
	Queen & Co. (Incorporated).....	Chemicals.....	8.00
24	Jacob Kotinsky.....	Traveling expenses.....	13.11
26	F. C. Pratt.....	do.....	64.35
Sept. 1	E. S. G. Titus.....	Salary.....	100.00
	Geo. H. Harris.....	do.....	126.40
	W. F. Fiske.....	do.....	50.00



*Expenditures of the Department of Agriculture for fiscal year ending June 30, 1904—Cont'd.*

## ENTOMOLOGY—Continued.

Date.	Name.	Nature of payment.	Total.
1903.			
Sept. 1	Warren E. Hinds .....	Salary .....	\$126.40
	A. W. Morrill .....	do .....	100.00
	A. L. Quaintance .....	do .....	134.80
	Walter D. Hunter .....	do .....	189.55
8	E. A. Schwarz .....	Traveling expenses .....	11.85
10	E. S. G. Titus .....	do .....	11.85
16	L. O. Howard .....	do .....	62.80
17	G. W. Carver .....	do .....	56.05
	W. Knaus .....	Specimens of insects .....	10.00
18	Houston and Texas Central R. R. Co. ....	Passenger transportation .....	13.50
19	Southern Rwy. Co. ....	do .....	35.00
	New York, Texas and Mexican Rwy. Co. ....	do .....	24.55
	Georgia, Florida and Alabama Rwy. Co. ....	do .....	7.76
21	Brentanos .....	Repairs to pen. ....	.50
	Lamb & Tilden .....	Punch .....	5.00
	Fred. A. Schmidt .....	Wire .....	1.00
22	A. W. Morrill .....	Traveling expenses .....	50.08
	W. E. Hinds .....	do .....	28.00
	G. H. Harris .....	do .....	19.22
	W. D. Hunter .....	do .....	145.65
	do .....	Expenses .....	56.65
	A. L. Quaintance .....	do .....	26.87
	do .....	Traveling expenses .....	78.04
24	Library Bureau .....	Tin trays, etc. ....	25.00
	E. S. Peters .....	Use of horse .....	15.00
	Z. D. Gilman .....	Chemicals .....	8.05
	Bausch & Lomb Optical Co. ....	Vials, etc. ....	9.08
28	James S. Hine .....	Traveling expenses .....	124.30
	A. N. Candell .....	do .....	192.20
	do .....	do .....	107.80
30	C. L. Marlatt et al. ....	Salaries .....	1,586.80
	Total, first quarter .....		5,051.01
Oct. 5	A. W. Morrill .....	Salary .....	100.00
	Geo. H. Harris .....	do .....	123.60
	Walter D. Hunter .....	do .....	183.40
	W. F. Fiske .....	do .....	50.00
	Warren E. Hinds .....	do .....	122.20
	A. L. Quaintance .....	do .....	130.40
6	E. S. G. Titus .....	do .....	100.00
	do .....	Traveling expenses .....	25.10
10	Rudolph, West & Co. ....	Shears .....	.90
12	Fred. A. Schmidt .....	Rules .....	1.20
	Dulin & Martin Co. ....	Jars .....	6.00
	F. W. Bolgiano & Co. ....	Bags .....	1.92
19	A. L. Quaintance .....	Traveling expenses .....	64.42
	do .....	Expenses .....	43.58
	A. W. Morrill .....	Traveling expenses .....	123.08
	Warren E. Hinds .....	do .....	28.00
	G. H. Harris .....	do .....	19.50
21	W. D. Hunter .....	Expenses .....	48.34
	do .....	Traveling expenses .....	85.80
	Bausch & Lomb Optical Co. ....	Lens .....	3.00
22	American Entomological Co. ....	Pins .....	29.75
	Queen & Co. (Incorporated) .....	Boxes .....	5.52
23	Frank Benton .....	Traveling expenses .....	90.74
	American Cycle Manufacturing Co. ....	Tire .....	3.75
	W. G. Fowler .....	Use of horse .....	10.00
	L. L. Laycock .....	do .....	30.00
	J. F. McCann .....	Rent .....	48.00
28	Mackall Bros. ....	Cotton .....	1.25
31	Southern California Rwy. ....	Passenger transportation .....	3.00
	Pennsylvania R. R. Co. ....	do .....	25.00
	do .....	do .....	9.50
	New York, New Haven & Hudson R. R. Co. ....	do .....	11.55
	The Pullman Co. ....	do .....	21.00
	New York, Texas and Mexican Rwy. Co. ....	do .....	32.40
	do .....	do .....	14.70
	Missouri, Kansas and Texas Rwy. Co. ....	do .....	5.55
	Galveston, Harrisburg and San Antonio Rwy. Co. ....	do .....	13.90
	Houston and Texas Central R. R. Co. ....	do .....	17.25
	Pennsylvania R. R. Co. ....	do .....	75.75
	L. O. Howard .....	Traveling expenses .....	12.85
	C. L. Marlatt et al. ....	Salaries .....	1,636.60
Nov. 2	E. S. G. Titus .....	Salary .....	100.00
	G. H. Harris .....	do .....	125.00
	W. D. Hunter .....	do .....	189.55

Expenditures of the Department of Agriculture for fiscal year ending June 30, 1904—Cont'd.

## ENTOMOLOGY—Continued.

Date.	Name.	Nature of payment.	Total.
1903.			
Nov. 2	A. L. Quaintance.....	Salary.....	\$134.80
	Warren E. Hinds.....	do.....	126.40
	A. W. Morrill.....	do.....	100.00
3	Geo. W. Carver.....	Traveling expenses.....	76.40
	Warren E. Hinds.....	do.....	72.30
4	Pope Manufacturing Co., Washington branch.	Repairs.....	2.35
	Gustav Eisen.....	Insects from Guatemala.....	115.00
5	A. L. Quaintance.....	Traveling expenses.....	66.65
	do.....	Expenses.....	16.65
6	W. F. Fiske.....	Salary.....	50.00
19	Warren E. Hinds.....	Traveling expenses.....	21.75
	G. H. Harris.....	do.....	60.62
	A. W. Morrill.....	do.....	58.20
	W. D. Hunter.....	Expenses.....	47.33
	Frank Benton.....	Traveling expenses.....	1.00
21	Rudolph, West & Co.....	Oil stone, etc.....	5.35
	The Chesapeake and Potomac Telephone Co.	Telephone service.....	6.25
23	W. D. Hunter.....	Traveling expenses.....	142.40
	Bausch & Lomb Optical Co.....	Objective.....	3.90
	L. L. Laycock.....	Use horse and buggy.....	30.00
	Queen & Co. (Incorporated).....	Cork.....	1.25
30	C. L. Marlatt et al.....	Salaries.....	1,586.80
Dec. 1	The M. Lindsay Rubber Co.....	Syringe.....	2.40
	Geo. F. Muth Co.....	Lantern, etc.....	3.25
	W. B. Moses & Sons.....	Indexes.....	3.00
	Lamb & Tilden.....	Rock.....	.65
	Delano & Moore.....	Films and prints.....	3.09
2	Elphonzo Youngs.....	Insect powder.....	4.50
	W. G. Fowler.....	Use of horse.....	10.00
3	A. L. Quaintance.....	Traveling expenses.....	18.72
	do.....	do.....	78.40
	E. S. G. Titus.....	Salary.....	100.00
	A. L. Quaintance.....	do.....	130.40
4	A. W. Morrill.....	do.....	100.00
	G. H. Harris.....	do.....	122.20
	Warren E. Hinds.....	do.....	122.20
	Walter D. Hunter.....	do.....	183.40
8	W. F. Fiske.....	do.....	50.00
10	Warren E. Hinds.....	Traveling expenses.....	28.00
	G. H. Harris.....	do.....	40.55
	Mrs. S. C. Depue.....	Shades and screens.....	21.00
	Chas. Shore.....	Tire.....	4.00
11	Brentanos.....	Pens.....	7.50
14	American Can Co.....	Tin boxes.....	100.00
	W. H. Arnett.....	Use of horse.....	10.00
	L. L. Laycock.....	Use of horse and buggy.....	30.00
15	L. O. Howard.....	Traveling expenses.....	20.00
17	W. D. Hunter.....	Expenses.....	55.30
18	Galveston, Harrisburg and San Antonio Rwy. Co.	Passenger transportation.....	3.80
	Houston and Texas Central R. R. Co.....	do.....	38.80
	Chicago, St. Paul, Minneapolis and Omaha Rwy. Co.	do.....	25.50
	The Kansas City Southern Rwy. Co.....	do.....	8.15
	St. Louis Southeastern Rwy. Co. of Texas.....	do.....	3.45
19	Church & Stephenson.....	Partition.....	2.10
	W. D. Hunter.....	Traveling expenses.....	165.55
21	Geo. F. Muth & Co.....	Atomizer.....	1.50
	Z. D. Gilman.....	Chloroform.....	5.40
	W. B. Moses & Sons.....	Indexes.....	3.60
	John C. Parker.....	Pen fillers.....	1.00
	Library Bureau.....	Case and cards.....	14.25
23	A. W. Morrill.....	Traveling expenses.....	45.31
31	C. L. Marlatt et al.....	Salaries.....	1,636.60
	Total, second quarter.....		9,702.52
1904.			
Jan. 2	E. S. G. Titus.....	Salary.....	100.00
4	A. L. Quaintance.....	Traveling expenses.....	3.00
	Walter D. Hunter.....	Salary.....	189.55
	A. W. Morrill.....	do.....	100.00
	A. L. Quaintance.....	do.....	134.80
	G. H. Harris.....	do.....	126.40
6	W. D. Hunter.....	Expenses.....	28.50
	do.....	Traveling expenses.....	102.85
	G. H. Harris.....	do.....	62.31
	W. F. Fiske.....	Salary.....	50.00
	Warren E. Hinds.....	do.....	126.40

128 EXPENDITURES IN DEPARTMENT OF AGRICULTURE.

Expenditures of the Department of Agriculture for fiscal year ending June 30, 1904—Cont'd.

ENTOMOLOGY—Continued.

Date.	Name.	Nature of payment.	Total.
1904.			
Jan. 12	L. O. Howard	Traveling expenses	\$64.95
16	A. W. Morrill	do	92.32
	Warren E. Hinds	do	39.98
18	Arthur H. Thomas	Circles	.60
	H. Baum & Son	Tables	11.00
	J. E. Bromwell & Sons	Keys	1.80
	L. L. Laycock	Use horse and buggy	21.29
	J. F. McCann	Rent	48.00
22	R. S. Clifton	Traveling expenses	12.25
25	New York, Texas and Mexican Rwy. Co	Passenger transportation	30.95
	do	do	20.75
26	Maddox & Hayden	Jar	29.00
	Bausch & Lomb Optical Co	Triplet	3.00
	Adams Express Co	Transportation	57.59
27	Rudolph, West & Co	Checks and springs	4.08
	do	Locks, etc	5.58
	S. S. Shedd & Bro. Co	Radiator	4.15
	The Geo. W. Knox Express Co	Transportation	1.89
29	Library Bureau	Cards	14.40
	Queen & Co. (Incorporated)	Cork	9.00
31	C. L. Marlatt et al.	Salaries	1,905.70
Feb. 1	A. W. Morrill	Salary	100.00
	Warren E. Hinds	do	127.70
	Walter D. Hunter	do	191.60
	W. F. Fiske	do	50.00
2	Geo. H. Harris	do	127.70
	A. L. Quaintance	do	136.30
6	Geo. H. Harris	Traveling expenses	44.50
	C. L. Marlatt	do	17.85
8	The Chesapeake and Potomac Telephone Co	Telephone service	6.25
	do	do	1.02
9	Francis Miller	Glass	4.04
	Maddox & Hayden	Jar, etc	27.95
	P. Mann & Co	Atomizer	.80
	Washington Gaslight Co	Gas	2.10
	S. S. Shedd & Bro. Co	Gas radiator, etc	8.10
	Woodward & Lothrop	Chairs	5.70
	The Maurice Joyce Engraving Co	Engraving labels	1.35
12	Mallinckrodt Chemical Works	Sodium	.24
	T. J. King	Cotton seed	400.00
	American Entomological Co	Insect boxes, etc	27.50
	J. A. Shine	Cotton seed	380.00
	do	do	194.38
	Henry J. Green	Thermometers	8.00
18	Houston and Texas Central R. R. Co	Passenger transportation	34.00
	do	do	59.50
	do	do	28.65
	New York, Texas and Mexican Rwy. Co	do	163.80
	Texas Midland R. R	do	15.25
	The Missouri Pacific Rwy. Co	do	32.25
	Morgans Louisiana and Texas R. R. and S. S. Co	do	14.65
	Washington Southern Rwy. Co	do	54.05
	Galveston, Harrisburg and San Antonio Rwy. Co	do	6.30
23	Mrs. M. V. Slingerland	Slides	32.73
	Queen & Co. (Incorporated)	Paper and boxes	15.18
	Bausch & Lomb Optical Co	Repairs	1.00
24	The Geo. W. Knox Express Co	Transportation	2.51
	Thomas Woodason	Bellows	3.50
	Washington Gaslight Co	Gas	6.90
	Rudolph, West & Co	Locks	5.55
	Church & Stephenson	Lumber	28.80
	Franklin & Co	Glass	.40
27	Postal Telegraph-Cable Co	Telegraph service	2.80
	Western Union Telegraph Co	do	9.75
29	W. F. Fiske	Salary	60.00
	A. W. Morrill	do	100.00
	Walter D. Hunter	do	199.20
	Warren E. Hinds	do	119.60
	A. L. Quaintance	do	159.40
	C. L. Marlatt	Salaries	1,919.60
Mar. 2	Charles Shore	Repairs to bicycle	2.50
3	Geo. H. Harris	Salary	119.60
	E. J. Pullman	Slides	6.50
4	A. R. Dearborn & Co	Typewriter cabinet	13.00
	Capers Dickson	Cotton seed	45.00
	Georgia Experiment Stations	do	25.00
10	Geo. H. Harris	Traveling expenses	70.92
	do	Expenses	5.50



Expenditures of the Department of Agriculture for fiscal year ending June 30, 1904—Cont'd.

## ENTOMOLOGY—Continued.

Date.	Name.	Nature of payment.	Total.
1904.			
Mar. 11	U. S. Express Co.	Transportation.	\$43.04
18	Church & Stephenson.	Lumber.	28.27
	The Pullman Co.	Passenger transportation.	16.00
	do.	do.	10.00
	Southern Rwy. Co.	do.	39.30
	The Texas and Pacific Rwy. Co.	do.	4.75
	Southern Printers Supply Co.	Electros.	1.40
21	The Publishers and Printers Engraving Co.	Engravings.	1.75
	Library Bureau.	Label holders.	8.20
	Bausch & Lomb Optical Co.	Labels, etc.	16.79
	The Deming Co.	Sprayer.	13.15
22	Fred. A. Schmidt.	Scales.	1.45
	Rudolph, West & Co.	Locks.	2.43
	E. J. Pullman.	Slides.	3.50
	P. J. Mulligan.	Meal.	1.25
	Mackall Bros.	Sulphur, etc.	4.00
	Lamb & Tilden.	Stencils.	2.35
	Delano & Moore.	Studio cutter, etc.	2.97
	do.	Photo supplies.	33.20
	Brentanos (Incorporated)	Fountain pen (repairing)	.50
	J. T. Walker Sons.	Lime.	.40
	Geo. Shilling.	Label gauges.	6.30
28	New York, Texas, and Mexican Rwy. Co.	Passenger transportation.	13.60
29	B. D. Wilson.	Cotton seed.	25.00
31	A. L. Quaintance.	Salary.	170.30
	C. L. Marlatt et al.	Salaries.	2,171.16
	Total third quarter.		11,249.62
Apr. 4	W. F. Fiske.	Salary.	60.00
	Geo. H. Harris.	do.	127.70
	Walter D. Hunter.	do.	212.90
	Warren E. Hinds.	do.	127.70
	A. W. Morrill.	do.	100.00
9	W. B. Moses & Sons.	Tables, etc.	19.90
	M. Carmody.	Drawings.	45.00
	The Geo. W. Knox Express Co.	Transportation.	.25
	J. F. McCann.	Rent.	48.00
11	American Entomological Co.	Pins, etc.	22.30
	do.	Boxes.	30.27
	Emil Greiner.	Stoppers.	25.00
12	Whitall, Tatum Co.	Corks, etc.	19.65
	Spencer Lens Co.	Magnifiers.	8.11
	do.	Insect holders.	8.14
	A. C. Rowe.	Fire extinguisher.	12.00
	The Publishers and Printers Engraving Co.	Engraving.	8.82
13	Geo. S. Fraser, administrator.	Rent.	300.00
14	Z. D. Gilman.	Roach food.	.50
	Remington Typewriter Co.	Repairs.	15.50
	Thomas R. Riley.	Lumber.	3.76
	E. J. Pullman.	Slides.	2.50
	National Electric Supply Co.	Repairing fan.	5.00
	Mackall Bros.	Alcohol.	.75
15	John F. Barghausen.	Salary.	39.00
18	Postal Telegraph-Cable Co.	Telegraph service.	.40
19	Queen & Co. (Incorporated).	Alcohol.	18.00
	T. J. King.	Transportation.	156.00
	American Entomological Co.	Boxes.	27.50
	G. H. Harris.	Traveling expenses.	84.70
	do.	Expenses.	10.50
20	The Geo. W. Knox Express Co.	Transportation.	4.55
	D. Frank Parker.	Ink.	1.50
	James B. Lambie Co. (Incorporated).	Hardware.	8.01
	Lamb & Tilden.	Racks.	.50
	S. Kahn Sons & Co.	Linen, etc.	7.25
	Southern Printers Supply Co.	Electros.	.15
	do.	do.	.15
	Whitall, Tatum Co.	Vials, etc.	36.28
	Bausch & Lomb Optical Co.	Forceps.	144.05
	Library Bureau.	Case.	5.00
21	Frank Benton.	Traveling expenses.	3.00
23	A. D. Hopkins.	do.	33.00
28	New York, Texas and Mexican Rwy. Co.	Passenger transportation.	6.60
	Houston East and West Texas Rwy. Co.	do.	5.00
	Houston and Texas Central R. R. Co.	do.	12.35
	The Chesapeake and Potomac Telephone Co.	Telephone service.	6.25
29	American Entomological Co.	Labels.	55.00
30	John F. Barghausen.	Salary.	3.00
	A. L. Quaintance.	do.	164.80

Expenditures of the Department of Agriculture for fiscal year ending June 30, 1904—Cont'd.

## ENTOMOLOGY—Continued.

Date.	Name.	Nature of payment.	Total.
1904.			
Apr. 30	C. L. Marlatt et al.	Salaries	\$2,041.00
May 2	W. F. Fiske	Salary	60.00
	Warren E. Hinds	do	123.60
	Walter D. Hunter	do	206.00
	A. W. Morrill	do	100.00
9	G. H. Harris	do	123.60
13	The Maurice Joyce Engraving Co.	Engraving	.75
	Western Union Telegraph Co.	Telegraph service	17.91
	Barber & Ross	Wire, etc.	3.01
	F. W. Bolgiano & Co.	Planet	4.75
16	Charles Shore	Repairs to wheels	3.00
	Adams Express Co.	Transportation	60.60
	Rudolph, West & Co.	Chest handles	.75
	Yawman & Erbe Manufacturing Co.	Card sections, etc.	43.75
	Bausch & Lomb Optical Co.	Lens holders	6.75
	W. F. Fiske	Traveling expenses	44.25
	G. H. Harris	do	86.45
19	Z. D. Gilman	Naphthaline	1.00
	Delano & Moore	Films, etc.	22.21
24	Frank C. Henry	Pyrethrum powder	5.00
26	Southern Rwy. Co.	Passenger transportation	35.95
27	Jacob Kotinsky	Traveling expenses	32.82
31	Wm. L. Phillips	Salary	39.00
	C. L. Marlatt et al.	Salaries	2,058.00
June 1	A. L. Quaintance	Salary	170.40
2	W. F. Fiske	do	60.00
3	Church & Stephenson	Lumber	30.95
	Yawman & Erbe Manufacturing Co.	Card section	8.00
	The Randolph Paper Box Co.	Boxes	43.45
	Remington Typewriter Co.	Cylinder	1.20
8	W. D. Hunter	Salary	213.00
	A. W. Morrill	do	100.00
	W. E. Hinds	do	127.80
11	G. H. Harris	do	127.80
	do	Traveling expenses	84.50
	W. F. Fiske	do	42.06
	J. L. Webb	do	33.65
	H. E. Burke	do	23.25
15	Wm. L. Phillips	Services	39.00
20	Geo. F. Muth & Co.	Benzine	.20
	Chas. R. Edmonston	Strainers, etc.	2.20
	Blue Line Transfer Co.	Drayage	.50
	Library Bureau	Jackets and cases	114.50
	do	Guides	10.75
	Edm. Reither	Specimens	3.20
	Woodward & Lothrop	Matting, etc.	27.95
	Arthur H. Thomas Co.	Circles	4.00
29	A. D. Hopkins	Traveling expenses	146.50
30	Wm. L. Phillips	Salary	39.00
	C. L. Marlatt et al.	Salaries	2,026.00
	Total fourth quarter		10,636.33
	<i>Supplemental.</i>		
1904.			
July 2	W. F. Fiske	Salary	60.00
5	F. H. Chittenden	Traveling expenses	30.00
	Geo. S. Fraser	Rent	180.00
6	F. C. Pratt	Traveling expenses	24.10
	W. E. Hinds	Salary	123.60
	W. D. Hunter	do	206.00
	A. W. Morrill	do	100.00
	A. L. Quaintance	do	164.80
9	G. H. Harris	Services	123.63
	E. S. G. Titus	Traveling expenses	105.71
	do	do	3.30
	Theo. Bergande	do	20.60
14	J. P. McCann	Rent	48.00
18	W. B. Moses & Sons	Bookcase	18.00
19	American Entomological Co.	Mounts, etc.	11.83
	American Writing Machine Co.	Paper	38.00
	The Hogson & Pettis Manufacturing Co.	Cloths	3.33
	Queen & Co., Incorporated	Evaporating dishes	1.44
20	Columbia National Sand Dredging Co.	Sand	3.15
	Francis Miller	Glass	1.85
	F. P. May	Padlocks	.60
	Remington Typewriter Co.	Card cylinder	2.45
	Rudolph, West & Co.	Holdes	2.50
	J. L. Webb	Traveling expenses	75.60

Expenditures of the Department of Agriculture for fiscal year ending June 30, 1904—Cont'd.

## ENTOMOLOGY—Continued.

Date.	Name.	Nature of payment.	Total.
<i>Supplemental—Continued.</i>			
1904.			
July 23	G. H. Harris .....	Expenses .....	\$5.10
	do .....	Traveling expenses .....	82.55
	Pennsylvania R. R. Co. ....	Passenger transportation .....	10.10
	Southern Rwy. Co. ....	do .....	35.00
30	Missouri, Kansas & Texas Rwy. Co. ....	do .....	16.90
	Georgia, Florida & Alabama Rwy. Co. ....	do .....	6.75
	The Atchison, Topeka & Santa Fe Rwy. Co. ....	do .....	25.80
	Carabelle, Tallahassee & Georgia R. R. Co. ....	do .....	5.00
	Seaboard Air Line Rwy. ....	do .....	6.80
	Northern Pacific Rwy. Co. ....	do .....	4.55
Aug. 2	H. E. Burke .....	Traveling expenses .....	47.05
3	The Chesapeake & Potomac Telephone Co. ....	Telephone service .....	6.25
	Delano & Moore .....	Rubber bulb and tubing .....	.22
	Jno. B. Espey .....	Lock and keys .....	1.20
	M. Du Perow .....	Electric supplies .....	19.42
	Woodward & Lothrop .....	Cotton .....	1.20
17	Geo. F. Muth & Co. ....	Lead .....	19.13
Sept. 14	United States Express Co. ....	Transportation .....	36.99
	do .....	do .....	40.83
19	San Pedro, Los Angeles and Salt Lake R. R. Co. ....	Passenger transportation .....	4.15
	Southern Rwy. Co. ....	do .....	27.20
	The Pullman Co. ....	do .....	31.25
	do .....	do .....	9.50
	do .....	do .....	20.50
	do .....	do .....	4.00
	Baltimore and Ohio R. R. Co. ....	do .....	190.00
	do .....	do .....	10.00
	Denver and Rio Grande R. R. Co. ....	do .....	5.05
	do .....	do .....	41.10
	Chicago, Rock Island and Pacific Rwy. Co. ....	do .....	18.56
	Burlington and Missouri River R. R. in Nebraska. ....	do .....	2.78
	Oregon Short Line R. R. Co. ....	do .....	7.30
	do .....	do .....	32.50
	Pennsylvania R. R. Co. ....	do .....	7.26
	Macon, Dublin and Savannah R. R. Co. ....	do .....	4.25
	Central of Georgia Rwy. Co. ....	do .....	2.64
	New York, New Haven and Hartford R. R. Co. ....	do .....	9.25
20	Chas. R. Edmonston .....	Jars .....	1.00
	Adams Express Co. ....	Transportation .....	53.66
24	Western Union Telegraph Co. ....	Telegraph service .....	1.25
	Total .....		2,202.53

## RECAPITULATION.

First quarter .....	\$5,051.01
Second quarter .....	9,702.52
Third quarter .....	11,249.62
Fourth quarter .....	10,636.33
Supplemental .....	2,202.53
Total .....	38,842.01

## SILK INVESTIGATIONS.

Date.	Name.	Nature of payment.	Total.
1903.			
July 31	T. A. Keleher .....	Salaries .....	\$348.40
Aug. 4	Wyckoff, Seamans & Benedict .....	Typewriter .....	50.00
	Henrietta A. Kelly .....	Salary .....	150.00
	Camillo Garlati .....	do .....	35.00
	Rosa Garlati .....	do .....	25.00
24	Henrietta A. Kelly .....	Traveling expenses .....	23.45
	Rosa Garlati .....	do .....	23.45
	Camillo Garlati .....	do .....	17.40
27	Rudolph, West & Co. ....	Tools .....	14.17
31	T. A. Keleher et al. ....	Salaries .....	369.40
Sept. 3	C. L. Marlatt .....	Expenses .....	226.62
9	H. A. Kelly .....	Salary .....	150.00
	Camillo Garlati .....	do .....	35.00
	Rosa Garlati .....	do .....	25.00



Expenditures of the Department of Agriculture for fiscal year ending June 30, 1904—Cont'd.

## SILK INVESTIGATIONS—Continued.

Date.	Name.	Nature of payment.	Total.
1903.			
Sept. 10	J. B. Lambie Co., Incorporated	Hinges, etc.	\$3.64
24	Church & Stephenson	Lumber	1.54
	J. B. Lambie Co., Incorporated	Files, etc.	4.13
30	T. A. Keleher et al.	Salaries	430.63
	Total first quarter		1,932.85
Oct. 8	John C. Parker	Transfer cases	6.00
9	Rosa Garlati	Services	25.00
	Camillo Garlati	do.	35.00
10	Potomac Electric Power Co.	Electric current	1.38
	The Geo. W. Knox Express Co.	Transportation	.68
	Rudolph, West & Co.	Hardware	5.42
	Henrietta A. Kelly	Salary	150.00
12	National Electrical Supply Co.	Motor	84.25
	R. C. M. Burton & Son	Awning	25.00
31	T. A. Keleher et al.	Salaries	398.40
Nov. 4	Rosa Garlati	Salary	25.00
	Henrietta A. Kelly	do.	150.00
	Camillo Garlati	do.	35.00
24	Henrietta A. Kelly	Traveling expenses	34.10
	Rosa Garlati	do.	16.10
	Camillo Garlati	do.	15.85
30	T. A. Keleher et al.	Salaries	393.20
Dec. 1	Potomac Electric Power Co.	Electric current	1.28
2	Edgar J. Hulse	Pipe, etc.	58.00
5	Henrietta A. Kelly	Salary	150.00
	Camillo Garlati	do.	35.00
	Rosa Garlati	do.	25.00
14	Frank M. Boteler	Negatives	23.00
17	Geo. W. Moss	Passenger transportation	122.70
31	T. A. Keleher et al.	Salaries	317.11
	Total second quarter		2,132.47
1904.			
Jan. 5	Camillo Garlati	Salary	35.00
	Rosa Garlati	do.	25.00
	Henrietta A. Kelly	do.	150.00
7	Potomac Electric Power Co.	Electric current	2.53
27	Nellie C. Ellerbe	Seedlings	10.00
	Potomac Electric Power Co.	Electric current	.12
31	T. A. Keleher et al.	Salaries	330.40
Feb. 4	Camillo Garlati	Salary	35.00
	Rosa Garlati	do.	25.00
	Henrietta A. Kelly	do.	150.00
9	J. S. Wise	Repairs to brushes	5.00
11	R. S. Clifton	Traveling expenses	10.45
17	Baltimore and Ohio R. R. Co.	Passenger transportation	23.00
24	Thos. Somerville & Sons	Labor and material reeling machine	181.32
	Rudolph, West & Co.	Wire, etc.	4.40
	Potomac Electric Power Co.	Electric current	1.31
29	T. A. Keleher et al.	Salaries	319.20
Mar. 3	Camillo Garlati	Salary	35.00
	Rosa Garlati	do.	25.00
	Henrietta A. Kelly	do.	150.00
5	A. Redaelli & Son	Silkworm eggs	280.00
12	C. L. Marlatt	Expenses	159.52
	do.	do.	4.77
	do.	do.	8.50
	C. L. Marlatt	Expenses	38.29
16	Henrietta A. Kelly	Traveling expenses	7.40
	do.	do.	4.60
	Camillo Garlati	do.	4.60
21	Faucher Creek Nurseries (Incorporated)	Mulberry cuttings	262.00
22	J. T. Walker Sons	Paper	2.00
	Rudolph, West & Co.	Tacks	.65
24	Potomac Electric Power Co.	Electric current	1.27
31	T. A. Keleher et al.	Salaries	280.40
	Total third quarter		2,580.73
Apr. 4	Camillo Garlati	Salary	13.55
	Rosa Garlati	do.	9.68
7	H. A. Kelly	do.	150.00
14	Woodward & Lothrop	Desk and chairs	36.05
	W. B. Moses & Sons	Chair	5.50
18	Western Union Telegraph Co.	Telegraph service	3.65

Expenditures of the Department of Agriculture for fiscal year ending June 30, 1904—Cont'd.

## SILK INVESTIGATIONS—Continued.

Date.	Name.	Nature of payment.	Total.
1904.			
Apr. 21	A. Hugues .....	Seeds and plants .....	\$86.00
25	P. Mann & Co. ....	Hand cart .....	9.50
30	T. A. Keleher et al. ....	Salaries .....	274.80
May 9	Henrietta A. Kelly .....	Salary .....	150.00
16	Mallinckrodt Chemical Works .....	Chemicals .....	7.50
	S. Kann Sons & Co. ....	Net .....	3.51
	Delano & Moore .....	Scale .....	.45
31	Tibbett Allen .....	Salary .....	39.00
	T. A. Keleher et al. ....	Salaries .....	320.40
June 8	Henrietta A. Kelly .....	Salary .....	150.00
20	Remington Typewriter Co. ....	Typewriter, etc .....	95.75
	Yawman & Erbe Manufacturing Co. ....	Cabinet .....	37.74
29	do .....	Copier .....	33.00
30	Tibbett Allen .....	Salary .....	39.00
	Wm. A. Keleher .....	do .....	26.00
	T. A. Keleher et al. ....	Salaries .....	337.70
	Total fourth quarter .....		1,808.76
	<i>Supplemental.</i>		
July 9	Henrietta A. Kelly .....	Services .....	150.00
19	Library Bureau .....	Outfit cards .....	10.00
20	Washington Wood Working Co. ....	Boxes .....	30.00
Aug. 1	V. L. Kellogg .....	Services .....	150.00
	Ernesta Malnati .....	Silkworm eggs .....	16.80
6	E. S. Beardslee .....	Cocoons .....	29.83
Sept. 26	C. M. Woolf & Co. ....	Pruners .....	3.00
	Total .....		389.66

## RECAPITULATION.

First quarter .....	\$1,932.83
Second quarter .....	2,132.47
Third quarter .....	2,580.73
Fourth quarter .....	1,808.76
Supplemental .....	389.66
Total .....	8,844.45

## ENTOMOLOGY—1903-4.

Date.	Name.	Nature of payment.	Total.
1903.			
July 31	C. L. Marlatt et al. ....	Salaries .....	\$1,636.60
Aug. 31	do .....	do .....	1,636.60
	Total first quarter .....		3,273.20
1904.			
Jan. 16	C. L. Marlatt .....	Traveling expenses .....	261.85
25	E. S. Peters .....	Cultivating cotton .....	3,000.00
26	A. P. Borden .....	do .....	707.85
	A. N. Alford .....	do .....	687.02
	J. D. Mitchell .....	do .....	134.84
	B. D. Wilson .....	do .....	404.32
	Jefferson Johnson .....	do .....	973.63
Mar. 4	J. M. Styers .....	Cotton .....	56.12
28	The Pullman Co. ....	Passenger transportation .....	17.50
29	Virginia-Carolina Chemical Co. ....	Fertilizers, etc .....	2,135.74
	Terre Haute and Indianapolis R. R. Co. ....	Passenger transportation .....	19.25
	Total third quarter .....		8,398.12
	<i>Supplemental.</i>		
Sept. 19	Southern Pacific Co. ....	Passenger transportation .....	67.50

## RECAPITULATION.

First quarter .....	\$3,273.20
Third quarter .....	8,398.12
Supplemental .....	67.50
Total .....	11,738.82

134 EXPENDITURES IN DEPARTMENT OF AGRICULTURE.

Expenditures of the Department of Agriculture for fiscal year ending June 30, 1904—Cont'd.

SETTLED BY UNITED STATES TREASURY.

Date.	Name.	Nature of payment.	Total.
1904. Mar. 4	Pennsylvania R. R. Co.....	Passenger transportation.....	\$87.00

BIOLOGY.

1903.			
July 22	W. E. Snyder.....	Birds' stomachs.....	\$1.40
24	C. H. Merriam.....	Traveling expenses.....	125.85
27	E. W. Nelson.....	do.....	31.58
	E. A. Goldman.....	do.....	31.73
	National Electrical Supply Co.....	Electric fan.....	8.50
31	T. S. Palmer et al.....	Salaries.....	1,048.02
Aug. 1	Vernon Bailey.....	Salary.....	202.20
	E. W. Nelson.....	do.....	189.55
	A. E. Preble.....	do.....	150.00
	Frank Stephens.....	do.....	140.00
	L. J. Goldman.....	do.....	140.00
	E. A. Goldman.....	do.....	134.80
	N. Hollister.....	do.....	50.00
	A. E. Weller.....	do.....	50.00
4	The Hudson's Bay Co.....	Traveling expenses, etc.....	350.00
	Wm. Wagner.....	Shotgun shells.....	2.00
5	Vernon Bailey.....	Traveling expenses.....	145.80
12	J. C. Parker.....	Fountain pen.....	4.00
14	F. E. L. Beal.....	Traveling expenses.....	74.22
	J. H. Gant.....	do.....	95.85
	T. S. Palmer.....	do.....	93.30
15	E. Morrison Paper Co.....	Scrapbooks.....	6.60
18.	do.....	Strawboard.....	5.00
	Wm. Wagner.....	Shells, etc.....	3.75
	Woodward & Lothrop.....	Wadding.....	2.09
19	Arthur H. Howell.....	Traveling expenses.....	67.45
	W. Otto Emerson.....	240 birds' stomachs.....	12.00
	W. E. Snyder.....	60 birds' stomachs.....	3.00
21	C. Hart Merriam.....	Traveling expenses.....	182.70
25	Delano & Moore.....	Albums, etc.....	7.30
	Mackall Bros.....	Corks.....	.51
26	Joseph Grinnell.....	150 birds' stomachs.....	7.50
27	Wright M. Pierce.....	120 birds' stomachs.....	6.00
31	T. S. Palmer et al.....	Salaries.....	1,031.59
Sept. 3	E. W. Nelson.....	Salary.....	189.55
	A. E. Weller.....	do.....	50.00
	A. E. Preble.....	do.....	150.00
	Vernon Bailey.....	do.....	202.20
	Frank Stephens.....	do.....	67.74
	L. J. Goldman.....	do.....	140.00
	E. A. Goldman.....	do.....	134.80
	N. Hollister.....	do.....	150.00
4	C. A. Lambert.....	Mammals.....	19.00
	Hudson's Bay Co.....	Traveling expenses.....	350.00
9	Vernon Bailey.....	do.....	149.81
	A. H. Howell.....	do.....	84.85
10	C. H. Merriam.....	do.....	97.68
	F. E. L. Beal.....	do.....	84.94
	E. Morrison Paper Co.....	Files.....	4.50
	Woodward & Lothrop.....	Wadding.....	2.09
11	F. P. May & Co.....	Mouse traps.....	45.00
	H. J. Green.....	Repairing barometers.....	4.00
17	Alden Sampson.....	Traveling expenses.....	192.43
21	Rudolph, West & Co.....	Locks.....	4.50
	W. Silas Sheetz.....	Safe light.....	1.50
	Wm. Wagner.....	Shells.....	5.75
24	J. H. Gant.....	Traveling expenses.....	121.20
	W. K. Fisher.....	Mammals.....	49.75
	W. W. Worthington.....	Birds' stomachs.....	6.00
	W. M. Pierce.....	do.....	6.00
28	E. W. Nelson.....	Salary.....	183.40
	Alfred E. Weller.....	do.....	50.00
	Vernon Bailey.....	do.....	195.60
	Alfred E. Preble.....	do.....	150.00
	E. A. Goldman.....	do.....	130.40
	N. Hollister.....	do.....	150.00
	L. J. Goldman.....	do.....	70.00
30	T. S. Palmer et al.....	Salaries.....	936.20
	Total first quarter.....		8,583.18



Expenditures of the Department of Agriculture for fiscal year ending June 30, 1904—Cont'd.

## BIOLOGY—Continued.

Date.	Name.	Nature of payment.	Total.
1903.			
Oct. 5	Alden Sampson	Services	\$3.00
	Paul Kroegel	do	3.00
9	Arthur H. Howell	Traveling expenses	102.95
	F. E. L. Beal	do	150.23
10	Delano & Moore	Photo supplies	11.63
12	M. Du Perow	Lamps	1.95
	E. Morrison Paper Co.	Mailing tubes	6.75
16	Alfred E. Preble	Traveling expenses	24.85
	C. Hart Merriam	do	153.65
	Vernon Bailey	do	115.50
19	N. Hollister	do	78.25
	W. H. Osgood	do	308.50
	Jas. H. Gant	do	95.26
23	W. D. Gay	Negative	3.00
	W. E. Clyde Todd	Birds' stomachs	3.25
	Frank S. Daggett	do	8.90
	E. W. Nelson	Tent	8.00
24	J. S. Hunter	Birds' stomachs	51.00
	Louis Agassiz Fuertes	Drawings	110.00
28	Walter K. Fisher	Mammals	36.00
	L. J. Goldman	Traveling expenses	75.00
29	Abercrombie & Fitch	Stove and bag	4.00
	W. E. Snyder	Birds' stomachs	4.25
31	Lake Tahoe Rwy. and Transportation Co.	Passenger transportation	12.00
	White Pass and Youkon Route	do	40.00
	Fort Worth and Denver City Rwy. Co.	do	3.95
	Northern Pacific Rwy. Co.	do	75.50
	T. S. Palmer et al.	Salaries	903.90
Nov. 2	E. W. Nelson	Salary	189.55
	N. Hollister	do	150.00
	E. A. Goldman	do	134.80
	Vernon Bailey	do	202.20
3	Sylvester D. Judd	Traveling expenses	29.49
6	Merritt Cary	do	60.15
7	Vernon Bailey	do	37.85
13	F. P. May & Co.	Tow, etc.	19.70
	do	Traps, etc.	23.24
	Z. D. Gilman	Bottles	11.60
17	N. Hollister	Traveling expenses	79.55
	do	do	61.37
19	Wilfred H. Osgood	do	126.65
	C. Hart Merriam	do	264.60
	Merritt Cary	do	12.45
20	W. E. Snyder	Birds' stomachs	1.50
	John A. Morden	do	3.00
	W. W. Worthington	do	6.00
	C. R. Ellis	Preparing index	40.00
27	A. K. Fisher	Traveling expenses	22.90
	T. S. Palmer	do	19.65
	C. Hart Merriam	do	18.00
30	E. A. Goldman	Salary	130.40
	E. W. Nelson	do	183.40
	Vernon Bailey	do	195.60
	T. S. Palmer et al.	Salaries	877.20
Dec. 1	Delano & Moore	Photo supplies	8.43
	F. P. May & Co.	Traps, etc.	15.75
2	Wm. Wagner	Powder, etc.	4.35
4	Jas. H. Gant	Traveling expenses	114.92
10	James S. Topham	Case	4.00
12	Alden Sampson	Traveling expenses	244.58
	do	do	138.64
14	E. R. Warren	Photos	14.50
	J. S. Hunter	Birds' stomachs	51.00
	H. M. Gay	Mammals	70.00
	James R. Cary	do	3.00
16	Hugh Campbell	do	4.00
17	Library Bureau	Tin trays	1.50
	Geo. F. Muth & Co.	Ink	1.80
	Delano & Moore	Velox	12.10
	Wm. Wagner	Cartridges	3.00
18	Alaska Steamship Co.	Passenger transportation	50.00
	Great Northern Rwy. Co.	do	64.50
	Wright M. Pierce	Birds' stomachs	4.80
28	Eastman Kodak Co.	Repairs	4.15
31	Jas. H. Gant	Traveling expenses	117.46
	T. S. Palmer et al.	Salaries	903.90
	Tota second quarter		7,131.50

Expenditures of the Department of Agriculture for fiscal year ending June 30, 1904—Cont'd.

## BIOLOGY—Continued.

Date.	Name.	Nature of payment.	Total.
1904.			
Jan. 2	E. W. Nelson	Salary	\$189.55
	E. A. Goldman	do	134.80
	Vernon Bailey	do	202.20
	Sherrod McClure Surber	do	50.00
7	A. G. Maddren	Mammals	148.55
	Mackall Bros	Tubes, etc.	5.70
8	Z. D. Gilman	Scalpels	3.50
12	W. B. Moses & Sons	Cases	3.00
	Wm. Wagner	Shot, shells, etc.	26.05
14	Jas. H. Gant	Traveling expenses	148.84
	Paul Kroegel	Salary	3.00
	J. S. Hunter	Birds' stomachs	47.90
18	Delano & Moore	Photo supplies	51.79
	Thomas H. Jackson	Photos	4.50
	W. W. Worthington	Birds' stomachs	6.55
	Wm. J. Hackmeier	Skulls	39.00
	J. B. Monroe	Mammals	3.00
	James D. Johnson	Birds' stomachs	.70
19	E. R. Warren	Photos	3.00
25	The Atchison, Topeka and Santa Fe Rwy. Co.	Passenger transportation	87.40
26	Curtis Wible	Photos	5.40
	The American Distributing Co	Alcohol	22.04
	Adams Express Co	Transportation	82.21
27	Viola McCohn	Photos	7.50
29	H. H. Ballard	Klips, etc.	1.30
	J. Baumgarten & Sons	Type	2.55
30	E. W. Nelson	Salary	191.60
	Vernon Bailey	do	204.40
31	T. S. Palmer et al.	Salaries	952.68
Feb. 1	E. A. Goldman	Salary	136.30
2	Franklin T. Hittell	do	125.00
	Sherrod McClure Surber	do	50.00
3	The Geo. W. Knox Express Co	Transportation	14.26
9	E. Morrison Paper Co	Gummed paper	1.75
	W. B. Moses & Sons	Hat rack, etc.	4.50
	Potomac Electric Power Co.	Lamp	4.86
	James B. Lambie Co (Incorporated)	Excelsior	1.00
	Z. D. Gilman	Plaster	.80
	Woodward & Lothrop	Desk	30.35
	M. Du Perow	Switch, etc.	19.50
11	Jas. H. Gant	Traveling expenses	134.55
	Franklin T. Hittell	do	31.60
12	Cyrus Catt	Mammals	115.00
	Louis A. Furtess	Drawings	70.00
18	Northern Pacific Rwy. Co.	Passenger transportation	20.00
	Ironside, Rannie & Campbell	do	100.00
	Denver and Rio Grande R. R. Co.	do	5.75
	Chicago and Northwestern Rwy. Co.	do	33.75
	do	do	11.30
19	T. S. Palmer	Traveling expenses	9.25
24	Delano & Moore	Photo supplies	11.84
	Franklin & Co.	Reading glass	3.00
	U. S. Express Co	Transportation	46.73
	Hugh Reilly	Ground glass	1.50
27	Postal Telegraph-Cable Co.	Telegraph service	5.24
	Western Union Telegraph Co.	do	12.47
29	Sherrod McClure Surber	Salary	50.00
	E. A. Goldman	do	127.40
	Franklin T. Hittell	do	125.00
	E. W. Nelson	do	179.30
	Vernon Bailey	do	191.20
	T. S. Palmer et al.	Salaries	909.00
Mar. 2	E. A. Goldman	Traveling expenses	70.70
11	W. W. Worthington	Birds' stomachs	6.05
	C. Hart Merriam	Traveling expenses	13.25
16	Delano & Moore	Photo supplies	9.86
18	R. C. M. Burton & Son	Canvas bags	1.05
	Church & Stephenson	Lumber	3.60
	J. K. Bishop	Photo paper	3.15
	Rudolph, West & Co.	Locks and wire	7.30
	James S. Topham	Leather	3.50
21	Joseph Clemmens	Birds' stomachs	1.50
	P. B. Peabody	do	2.75
	Wright M. Pierce	do	6.00
23	Jas. H. Gant	Traveling expenses	126.22
24	Wm. Wagner	Shells, etc.	9.45
26	Z. D. Gilman	Needle	1.00
	Mackall Bros	Cotton, etc.	7.00
	Underwood Typewriter Co.	Typewriter, etc.	87.50

Expenditures of the Department of Agriculture for fiscal year ending June 30, 1904.—Cont'd.

## BIOLOGY—Continued.

Date.	Name.	Nature of payment.	Total.
1904.			
Mar. 29	F. T. Hittell.....	Traveling expenses.....	\$15.50
	The Atchison, Topeka and Santa Fe Rwy. Co.	Passenger transportation.....	10.00
	Virginia and Truckee R. R. Co.....	do.....	11.55
31	Vernon Bailey.....	Salary.....	204.40
	Sherrod McClure Surber.....	do.....	50.00
	E. A. Goldman.....	do.....	136.30
	E. W. Nelson.....	do.....	191.60
	T. S. Palmer et al.....	Salaries.....	963.00
	Total third quarter.....		<u>7,153.14</u>
Apr. 4	T. S. Palmer.....	Traveling expenses.....	13.05
6	Alden Sampson.....	Services.....	6.00
7	Jno. H. Gant.....	Traveling expense.....	45.24
9	Remington Typewriter Co.....	Repairs.....	17.25
	Paul Kroegel.....	Salary.....	3.00
	James B. Lambie Co. (Incorporated).....	Excelsior.....	1.13
11	S. W. Browne.....	Birds' stomachs.....	.40
12	John T. Stewart.....	Mammals.....	4.00
14	Rudolph, West & Co.....	Knife.....	6.00
	Mackall Bros.....	Corks.....	.41
	Wm. Wagner.....	Powder, etc.....	7.20
18	Louis Hartig.....	Wire.....	1.25
	Delano & Moore.....	Photo supplies.....	9.88
	F. P. May & Co.....	Traps.....	6.00
	Postal Telegraph-Cable Co.....	Telegraph service.....	5.45
19	Louis A. Fuertes.....	Drawings.....	100.00
20	The Chesapeake and Ohio Rwy. Co.....	Passenger transportation.....	16.75
	Cleveland, Cincinnati, Chicago and St. Louis Rwy.....	do.....	17.50
	New York Central and Hudson River R. R. Co.....	do.....	6.00
	Pennsylvania R. R. Co.....	do.....	10.00
	Canadian Pacific Rwy. Co.....	do.....	91.85
22	L. M. Brandt & Son.....	Traps.....	2.00
25	A. G. Maddren.....	Mammals.....	12.50
27	Louis A. Fuertes.....	Drawings.....	190.00
	Steber & Trussell Manufacturing Co.....	Sheet holders.....	13.80
28	The Chesapeake and Potomac Telephone Co.....	Telephone service.....	6.25
29	Wm. J. Hackmeier.....	Mammals.....	3.00
30	Vernon Bailey.....	Salary.....	197.80
	E. A. Goldman.....	do.....	131.90
	E. W. Nelson.....	do.....	185.45
	T. S. Palmer et al.....	Salaries.....	936.10
May 4	W. E. Snyder.....	Birds' stomachs.....	2.05
6	W. Otto Emerson.....	do.....	4.50
11	Jas. H. Gant.....	Traveling expenses.....	46.30
12	Thomas H. Jackson.....	Birds.....	1.50
13	Julius Frieser.....	Mammals.....	73.00
	United States Express Co.....	Transportation.....	22.15
	Western Union Telegraph Co.....	Telegraph service.....	12.49
	Woodward & Lothrop.....	Jars.....	6.00
16	Delano & Moore.....	Velox.....	9.50
	Adams Express Co.....	Transportation.....	77.63
	Rudolph, West & Co.....	Label holders.....	1.50
	Remington Typewriter Co.....	Cover.....	2.50
18	A. Rea.....	Mammals.....	2.00
	Will J. Farrington.....	do.....	18.00
19	Frank Stephens.....	do.....	15.00
20	Multum in Parvo Binder Co.....	Binders.....	1.50
	A. P. Wise.....	Birds' stomachs.....	.90
24	Andrew B. Graham.....	Map.....	35.00
26	Church & Stephenson.....	Lumber.....	7.12
31	T. S. Palmer et al.....	Salaries.....	962.80
	Rufus B. Merchant.....	Map.....	3.20
June 1	E. W. Nelson.....	Salary.....	191.60
	Vernon Bailey.....	do.....	204.40
	E. A. Goldman.....	do.....	136.20
3	Kenneth F. Beale.....	Mammals.....	9.75
	Adams Express Co.....	Transportation.....	43.65
	Lamb & Tilden.....	Numbering machine.....	14.00
	Henry J. Green.....	Aneroid.....	39.50
	Louis A. Fuertes.....	Drawings.....	150.00
6	Wm. Wagner.....	Shot, etc.....	11.25
	A. B. Klugh.....	Birds' stomachs.....	2.45
8	Jas. H. Gant.....	Traveling expenses.....	56.85
20	Mackall Bros.....	Cotton.....	9.00
	C. P. Forge.....	Mammals.....	4.50
	Folmer & Schwing Manufacturing Co.....	Repairs to camera.....	72.95
	W. E. Snyder.....	Birds' stomachs.....	2.50



138 EXPENDITURES IN DEPARTMENT OF AGRICULTURE.

Expenditures of the Department of Agriculture for fiscal year ending June 30, 1904—Cont'd.

BIOLOGY—Continued.

Date.	Name.	Nature of payment.	Total.
1904.			
June 20	W. Silas Sheetz.....	Camera, etc.....	\$83.70
	Jas. S. Topham.....	Chest.....	10.00
	Western Union Telegraph Co.....	Telegraph service.....	2.62
	Wm. Wagner.....	Shells.....	17.25
	Jas. S. Topham.....	Case.....	3.00
29	Cyrus Catt.....	Mammals.....	13.40
	Wm. Wagner.....	Shells, etc.....	19.75
	John A. Morden.....	Birds' stomachs.....	5.90
	Maekall Bros.....	Tubes, etc.....	43.15
	Henry Heil Chemical Co.....	Formalin.....	3.00
30	Sylvester D. Judd.....	Traveling expenses.....	11.22
	T. S. Palmer et al.....	Salaries.....	936.10
	Total fourth quarter.....		5,449.61
	<i>Supplemental.</i>		
July 1	Vernon Bailey.....	Salary.....	197.80
	E. A. Goldman.....	do.....	131.90
	N. Hollister.....	do.....	100.00
	S. McClure Surber.....	do.....	50.00
	E. W. Nelson.....	do.....	185.45
5	Jas. H. Gant.....	Traveling expenses.....	57.90
6	T. S. Palmer.....	do.....	2.75
7	Church & Stephenson.....	Lumber.....	1.00
11	N. Hollister.....	Traveling expenses.....	123.40
	Paul Kroegel.....	Salary.....	3.00
18	W. B. Moses & Sons.....	Chair.....	4.00
	Jas. S. Topham.....	Chests.....	20.00
19	Library Bureau.....	Label holders.....	5.00
	B. V. Lilly.....	Specimens.....	48.00
	A. H. Norton.....	Birds' stomachs.....	3.25
	Queen & Co. (Incorporated).....	Thermometer.....	1.20
20	Baltimore and Ohio R. R. Co.....	Passenger transportation.....	24.00
	F. P. May & Co.....	Traps.....	80.52
	Remington Typewriter Co.....	Overhauling typewriter.....	11.25
	Rudolph, West & Co.....	Locks.....	11.50
	F. A. Schmidt.....	Dividers.....	5.20
	Woodward & Lothrop.....	Thread.....	.96
30	Great Northern Rwy. Co.....	Freight.....	5.89
Aug. 3	Jas. B. Lambie Co. (Incorporated).....	Pliers.....	1.20
	Delano & Moore.....	Photo supplies.....	14.86
	The Chesapeake and Potomac Telephone Co.....	Telephone service.....	6.25
6	E. A. Goldman.....	Traveling expenses.....	90.60
9	do.....	do.....	150.68
16	Western Union Telegraph Co.....	Telegraph service.....	4.38
17	M. A. Bishop.....	Specimen of mammals.....	5.00
	Jos. Clemens.....	Birds' stomachs.....	3.75
	Geo. F. Muth & Co.....	Ink, etc.....	3.80
18	A. Hanbold.....	Mammals.....	10.00
	Chas. A. Lambert.....	Mammals.....	8.20
29	Delano & Moore.....	Photo supplies.....	59.43
	The Geo. W. Knox Express Co.....	Transportation.....	27.90
Sept. 14	United States Express Co.....	do.....	2.05
	do.....	do.....	61.30
19	St. Louis and San Francisco R. R. Co.....	Passenger transportation.....	6.13
20	Adams Express Co.....	Transportation.....	56.65
	Walker Weaver.....	Tanning skins.....	45.00
24	Church & Stephenson.....	Lumber.....	.80
	Western Union Telegraph Co.....	Telegraph service.....	2.14
28	Alaska Pacific Navigation Co.....	Passenger transportation.....	47.00
	Northern Pacific Rwy. Co.....	do.....	50.00
	Total.....		1,731.09

RECAPITULATION.

First quarter.....	\$8,583.18
Second quarter.....	7,131.50
Third quarter.....	7,153.14
Fourth quarter.....	5,449.61
Supplemental.....	1,731.09
Total.....	30,048.52

EXPENDITURES IN DEPARTMENT OF AGRICULTURE. 139

Expenditures of the Department of Agriculture for fiscal year ending June 30, 1904—Cont'd.

BIOLOGY (PAID BY TREASURY).

Date.	Name.	Nature of payment.	Total.
1904.			
Jan. 15	Southern Pacific Co.....	Passenger transportation.....	\$87.70
	do.....	do.....	25.35
Feb. 17	do.....	do.....	102.95
	do.....	do.....	6.80
Mar. 4	The Public Printer.....	Binding.....	25.00
Sept. 8	Southern Pacific Co.....	Passenger transportation.....	161.70
	Chicago, Milwaukee and St. Paul Co.....	do.....	62.80
	Total.....		472.30

BIOLOGY, CARE OF GAME.

Date.	Name.	Nature of payment.	Total.
1904.			
June 1	Franklin T. Hittell.....	Salary.....	\$150.00
11	do.....	Traveling expenses.....	50.85
27	Cyclone Woven Wire Fence Co.....	Wire fence.....	797.86
	Total.....		998.71

PUBLICATIONS, FARMERS' BULLETINS.

Date.	Name.	Nature of payment.	Total.
1903.			
July 31	R. M. Reese et al.....	Salaries.....	\$645.07
Aug. 20	The Maurice Joyce Engraving Co.....	Engraving.....	6.00
31	R. M. Reese et al.....	Salaries.....	674.10
Sept. 10	The Publishers and Printers Engraving Co.....	Engravings.....	4.15
	do.....	do.....	7.08
30	R. M. Reese et al.....	Salaries.....	630.80
	Total first quarter.....		1,967.20
Oct. 2	R. B. Handy.....	Traveling expenses.....	59.40
12	The Maurice Joyce Engraving Co.....	Engraving.....	11.90
23	E. J. Pullman.....	Prints.....	4.00
	A. P. Johnson.....	Blocks.....	4.52
31	R. M. Reese et al.....	Salaries.....	614.10
Nov. 13	The Maurice Joyce Engraving Co.....	Engravings.....	16.99
	do.....	do.....	.99
30	R. M. Reese et al.....	Salaries.....	551.80
Dec. 2	The Publishers and Printers Engraving Co.....	Engraving.....	18.00
	do.....	do.....	.75
	James M. Bryant.....	do.....	36.00
3	John Tinkey.....	do.....	25.00
14	Jas. M. Bryant.....	Wood cut.....	15.00
	E. Heinemann.....	Engraving.....	30.00
	Jas. M. Bryant.....	Wood cut.....	17.50
	J. Manz Engraving Co.....	Engraving.....	35.00
17	Jas. M. Bryant.....	do.....	82.00
	Geo. P. Bartle.....	do.....	25.00
	E. F. Katsch.....	do.....	15.00
18	Baltimore and Ohio R. R. Co.....	Passenger transportation.....	20.30
19	Charles S. Plumb.....	Manuscript.....	170.00
21	National Engraving Co.....	Engraving.....	1.02
31	R. M. Reese et al.....	Salaries.....	665.20
	Total second quarter.....		2,419.47
1904.			
Jan. 7	The Maurice Joyce Engraving Co.....	Engraving.....	6.79
8	do.....	do.....	28.59
	do.....	do.....	13.35
12	do.....	do.....	14.03
16	John Tinkey.....	do.....	30.00
	Geo. P. Bartle.....	do.....	48.00
	The Publishers and Printers' Engraving Co.....	do.....	10.00
	do.....	do.....	8.28
	James M. Bryant.....	do.....	45.00

140 EXPENDITURES IN DEPARTMENT OF AGRICULTURE.

Expenditures of the Department of Agriculture for fiscal year ending June 30, 1904—Cont'd.

PUBLICATIONS, FARMERS' BULLETINS—Continued.

Date.	Name.	Nature of payment.	Total.
1904.			
Jan. 25	E. Heinemann.....	Engraving.....	\$20.00
26	Jas. M. Bryant.....	.....do.....	50.00
	The Publishers and Printers' Engraving Co.....	.....do.....	52.81
29	J. Manz Engraving Co.....	.....do.....	5.00
	The Publishers and Printers' Engraving Co.....	.....do.....	8.75
	The Alpha Photo Engraving Co.....	.....do.....	3.00
	The Maurice Joyce Engraving Co.....	.....do.....	30.67
	.....do.....	.....do.....	3.15
	Southern Printers' Supply Co.....	Electros.....	30
31	R. M. Reese et al.....	Salaries.....	723.35
Feb. 9	The Maurice Joyce Engraving Co.....	Engraving.....	3.04
	A. H. Baldwin.....	Drawings.....	43.00
	.....do.....	.....do.....	9.00
12	J. Manz Engraving Co.....	Illustrations.....	3.50
	Alpha Photo Engraving Co.....	Engraving.....	2.00
	Jas. M. Bryant.....	.....do.....	89.50
	John Tinkey.....	.....do.....	35.00
	The Publishers and Printers' Engraving Co.....	.....do.....	5.64
23	.....do.....	.....do.....	13.98
	J. Manz Engraving Co.....	.....do.....	3.50
	.....do.....	.....do.....	3.50
	Jas. M. Bryant.....	.....do.....	48.00
24	Southern Printers' Supply Co.....	Electros.....	5.50
	The Maurice Joyce Engraving Co.....	Engraving.....	17.49
	W. Bowyer Pain.....	Drawings.....	12.00
29	R. M. Reese et al.....	Salaries.....	734.40
Mar. 4	Alpha Photo Engraving Co.....	Engraving.....	4.25
5	J. Manz Engraving Co.....	.....do.....	31.00
	The Publishers and Printers' Engraving Co.....	.....do.....	1.75
	John Tinkey.....	.....do.....	18.00
11	Southern Printers' Supply Co.....	Electros.....	1.50
17	W. Bowyer Pain.....	Drawings.....	18.00
18	Southern Printers' Supply Co.....	Electro.....	2.25
21	Geo. P. Bartle.....	Engraving.....	91.28
	The Publishers and Printers' Engraving Co.....	.....do.....	24.47
	.....do.....	.....do.....	10.50
	.....do.....	.....do.....	17.50
	J. Manz Engraving Co.....	.....do.....	28.00
22	Southern Printers' Supply Co.....	Electros.....	60
	.....do.....	.....do.....	90
24	John Tinkey.....	Engraving.....	37.00
26	A. H. Baldwin.....	Drawings.....	15.00
28	J. Manz Engraving Co.....	Engravings.....	14.50
	.....do.....	.....do.....	11.50
31	R. M. Reese et al.....	Salaries.....	832.80
	Total third quarter.....		3,288.92
Apr. 9	The Maurice Joyce Engraving Co.....	Engraving.....	3.15
11	Gatchel & Manning.....	.....do.....	4.25
12	The Publishers and Printers' Engraving Co.....	.....do.....	7.00
	.....do.....	.....do.....	7.00
	J. Manz Engraving Co.....	.....do.....	36.25
14	The M. Joyce Engraving Co.....	.....do.....	2.25
	.....do.....	.....do.....	90
19	Scientific Engraving Co.....	.....do.....	10.00
23	Jas. M. Bryant.....	.....do.....	34.00
30	R. M. Reese et al.....	Salaries.....	813.70
May 4	J. Manz Engraving Co.....	Engraving.....	24.00
	.....do.....	.....do.....	24.00
13	The Maurice Joyce Engraving Co.....	.....do.....	1.50
	.....do.....	.....do.....	2.25
19	J. Manz Engraving Co.....	.....do.....	15.00
20	The Publishers and Printers' Engraving Co.....	.....do.....	1.75
23	A. H. Kirkland.....	Manuscript.....	65.00
24	Geo. E. Howard.....	Drawings.....	100.00
31	R. M. Reese et al.....	Salaries.....	832.60
June 11	T. F. McGrew.....	Manuscript.....	150.00
20	Gatchel & Manning.....	Maps.....	19.20
	The Maurice Joyce Engraving Co.....	Engraving.....	3.00
	.....do.....	.....do.....	90
	J. Manz Engraving Co.....	.....do.....	35.00
	W. Bowyer Pain.....	Drawings.....	12.00
	Maria Parloa.....	Article for publication.....	150.00
	Wm. E. Rice.....	Manuscript.....	30.00
30	R. M. Reese.....	Salaries.....	784.00
	Total fourth quarter.....		3,168.70



Expenditures of the Department of Agriculture for fiscal year ending June 30, 1904—Cont'd.

## PUBLICATIONS, FARMERS' BULLETINS—Continued.

Date.	Name.	Nature of payment.	Total.
<i>Supplemental.</i>			
1904. July 19	J. Manz Engraving Co.....	Engravings.....	\$16.00
	The Publishers and Printers' Engraving Co.....	do.....	6.00
20	The M. Joyce Engraving Co.....	do.....	2.16
	do.....	do.....	.75
	Total.....		24.91

## RECAPITULATION.

Total first quarter.....	\$1,967.20
Total second quarter.....	2,419.47
Total third quarter.....	3,288.92
Total fourth quarter.....	3,168.70
Total supplemental.....	24.91
Total.....	10,869.20

## PAID BY TREASURY.

Date.	Name.	Nature of payment.	Total.
1903. Sept. 21	The Public Printer.....	Printing bulletins.....	\$2,721.27
	do.....	do.....	125.62
Oct. 26	do.....	do.....	996.74
	do.....	do.....	3,043.95
1904. Jan. 15	do.....	do.....	4,081.61
	do.....	do.....	2,340.02
	do.....	do.....	5,787.74
	do.....	do.....	2,219.02
Feb. 10	do.....	do.....	4,675.59
	do.....	do.....	4,345.28
	do.....	do.....	979.99
Mar. 4	do.....	do.....	3,375.40
	do.....	do.....	2,066.61
	do.....	do.....	3,098.40
Apr. 14	do.....	do.....	4,424.64
	do.....	do.....	4,494.25
	do.....	do.....	4,840.68
June 20	do.....	do.....	4,472.49
	do.....	do.....	2,535.97
	do.....	do.....	5,065.59
	do.....	do.....	3,892.58
	do.....	do.....	4,686.26
	do.....	do.....	3,092.33
	do.....	do.....	3,233.40
	do.....	do.....	1,519.69
	do.....	do.....	2,368.83
Sept. 8	do.....	do.....	2,768.64
	do.....	do.....	2,763.22
	do.....	do.....	2,504.85
	do.....	do.....	1,381.70
	Total.....		93,902.36

## ARTISTS, ETC.

Date.	Name.	Nature of payment.	Total.
1903. July 22	The Publishers and Printers' Engraving Co..	Engravings.....	\$9.50
31	L. S. Williams et al.....	Salaries.....	784.21
Aug. 1	L. L. Howenstein.....	Salary.....	104.00
14	The Maurice Joyce Engraving Co.....	Engraving.....	.93
19	The Publishers and Printers' Engraving Co..	do.....	6.25
31	L. S. Williams et al.....	Salaries.....	916.80
Sept. 21	Fred A. Schmidt.....	Blue print paper.....	4.50
	Southern Printers' Supply Co.....	Electros.....	2.20

Expenditures of the Department of Agriculture for fiscal year ending June 30, 1904—Cont'd.

## ARTISTS, ETC.—Continued.

Date.	Name.	Nature of payment.	Total.
1903.			
Sept. 24	Delano & Moore	Photo supplies	\$45.90
	Queen & Co. (Incorporated)	Chemicals	2.16
30	L. S. Williams et al	Salaries	898.40
	Total first quarter		2,774.85
Oct. 12	Fred A. Schmidt	Artist's materials	9.89
	The Maurice Joyce Engraving Co	Engraving	2.46
	do	do	112.20
	do	do	.75
21	Mallinckrodt Chemical Works	do	5.45
22	The Publishers and Printers' Engraving Co.	Engravings	1.75
	Emil Greiner	Graduates	7.05
31	L. S. Williams et al	Salaries	989.40
Nov. 13	Southern Printers' Supply Co	Electro	.25
20	Rand, McNally & Co.	Maps	1.71
21	Mackall Bros	Chemicals	13.56
30	L. S. Williams et al	Salaries	850.41
Dec. 1	Delano & Moore	Photo supplies	7.01
	do	do	28.30
2	Fred A. Schmidt	Blue print paper	1.80
2	A. P. Johnson	Blocks	3.40
3	Rand, McNally & Co.	Maps	2.46
11	Fred. A. Schmidt	Blueprint paper	.10
14	National Electrical Supply Co.	Carbons	2.79
	A. P. Johnson	Blocks	7.30
17	The Maurice Joyce Engraving Co	Engraving	.75
26	E. C. Chilcott	Manuscript	90.00
	James H. Shepard	do	48.00
29	Mackall Bros	Ether	15.75
31	L. S. Williams et al	Salaries	865.12
	Total second quarter		3,082.42
1904.			
Jan. 7	Delano & Moore	Camera, etc	34.08
	do	Photo supplies	8.59
8	Fred. A. Schmidt	Artists' materials	3.50
	do	Blueprint paper	4.00
	The Maurice Joyce Engraving Co	Engraving	.75
	do	do	1.75
14	Mallinckrodt Chemical Works	Silver nitrate	43.60
	Queen & Co. (Incorporated)	Paraffin	1.00
16	A. P. Johnson	Blocks	4.20
	John C. Bauer	Ink	2.66
26	Delano & Moore	Photo supplies	94.47
	W. Bowyer Pain	Drawings	15.00
29	Southern Printers Supply Co	Electros	.75
31	W. Bowyers Pain	Drawings	12.00
Feb. 9	L. S. Williams et al	Salaries	683.18
	Geo. F. Muth	Glass cutter, etc	4.45
	W. Bowyer Pain	Drawings	25.00
	Z. D. Gilman	Tubing	1.44
24	E. Morrison Paper Co.	Paper	.50
29	L. S. Williams et al	Salaries	640.62
Mar. 3	Delano & Moore	Photo supplies	73.17
	Southern Printers Supply Co	Electros	.50
11	Delano & Moore	Photo supplies	11.01
16	Fred. A. Schmidt	Paste	.90
22	Southern Printers Supply Co	Electro	.15
	The Maurice Joyce Engraving Co	Engraving	2.07
29	Frederick Carl	Repairs to section liner	1.50
	Fred. A. Schmidt	Drawing paper	17.50
31	L. S. Williams	Salaries	586.20
	Total third quarter		2,274.54
Apr. 9	The Maurice Joyce Engraving Co	Engraving	2.38
	do	do	.50
	Fred. A. Schmidt	Artists' materials	36.13
12	Mallinckrodt Chemical Works	Chemicals	4.66
	The Publishers and Printers Engraving Co.	Engravings	22.47
14	Fred. A. Schmidt	Repairs to compass	.80
	The Maurice Joyce Engraving Co	Engraving	1.35
15	Julia E. Bullock	Salary	30.00
29	Delano & Moore	Photo supplies	54.73
30	Julia E. Bullock	Salary	32.50
	L. S. Williams et al	Salaries	504.30
May 4	Eastman Kodak Co.	Solar bromide	22.85
13	The Maurice Joyce Engraving Co	Engraving	2.68

Expenditures of the Department of Agriculture for fiscal year ending June 30, 1904—Cont'd.

## ARTISTS, ETC.—Continued.

Date.	Name.	Nature of payment.	Total.
1904.			
May 13	The Maurice Joyce Engraving Co.....	Engraving.....	\$1.74
	Fred. A. Schmidt.....	Blueprint paper.....	3.60
	E. Morrison Paper Co.....	Cardboard.....	7.25
14	Julia E. Bullock.....	Salary.....	30.00
19	Fred. A. Schmidt.....	Pens.....	4.43
20	Southern Printers Supply Co.....	Electro.....	.50
	The Maurice Joyce Engraving Co.....	Wood backing.....	3.00
24	Delano & Moore.....	Photo supplies.....	8.18
	A. P. Johnson.....	Block.....	2.75
	Fred. A. Schmidt.....	Blueprint paper.....	3.60
31	Julia E. Bullock.....	Salary.....	30.00
	L. S. Williams et al.....	Salaries.....	402.20
June 6	Mackall Bros.....	Chemicals.....	6.90
	Mallinckrodt Chemical Works.....	do.....	2.00
15	Julia E. Bullock.....	Services.....	32.50
20	Delano & Moore.....	Photo supplies.....	2.45
	The Maurice Joyce Engraving Co.....	Cuts.....	3.00
	do.....	Engraving.....	.75
	Fred. A. Schmidt.....	Paper.....	5.00
	do.....	Blueprint paper.....	3.90
	Wm. H. Rupp Co.....	Scrapbooks.....	12.80
	Scientific Engraving Co.....	Engravings.....	10.00
30	L. S. Williams et al.....	Salaries.....	458.52
	Total fourth quarter.....		1,750.42
	<i>Supplemental.</i>		
July 14	Delano & Moore.....	Photo supplies.....	92.63
18	do.....	do.....	12.30
	Z. D. Gilman.....	Acid.....	4.20
20	The Maurice Joyce Engraving Co.....	Engravings.....	.75
	Mackall Bros.....	Cotton.....	.38
	Total.....		110.26

## RECAPITULATION.

Total first quarter.....	\$2,774.85
Total second quarter.....	3,082.42
Total third quarter.....	2,274.54
Total fourth quarter.....	1,750.42
Total supplemental.....	110.26
Total.....	9,992.49

## LABOR, ETC.

Date.	Name.	Nature of payment.	Total.
1903.			
July 15	United States Envelope Co.....	Envelopes.....	\$858.00
16	Shore's Tire and Bicycle Hospital.....	Repairs.....	5.65
24	Densmore Typewriter Co.....	Typewriter.....	80.50
	American Cycle Manufacturing Co.....	Repairs to bicycle.....	.28
25	C. Becker.....	Repairs.....	1.50
27	Geo. Meier.....	Gum arabic.....	80.00
	United States Envelope Co.....	Envelopes.....	43.00
31	H. S. Walter et al.....	Salaries.....	6,067.90
Aug. 10	Tyler & Rutherford (Incorporated).....	Rent.....	116.66
19	Yawman & Erbe Manufacturing Co.....	Section, etc.....	14.00
	Geo. W. Millar & Co.....	Manila.....	450.00
	The Elliott Co.....	Stencil blanks, etc.....	15.75
20	Lamb & Tilden.....	Ink.....	3.00
	W. B. Moses & Sons.....	Linoleum.....	3.30
31	H. S. Walter et al.....	Salaries.....	6,013.80
Sept. 4	G. W. Millar & Co.....	Paper.....	187.50
9	Yawman & Erbe Manufacturing Co.....	Cards.....	47.50
	Tyler & Rutherford (Incorporated).....	Rent.....	116.66
10	United States Envelope Co.....	Envelopes.....	680.63
	J. P. Nawrath.....	Twine.....	64.35
30	Minerva S. Danforth.....	Services.....	20.00
	H. S. Walter et al.....	Salaries.....	6,049.65
	Total first quarter.....		20,919.63



Expenditures of the Department of Agriculture for fiscal year ending June 30, 1904.—Cont'd.

## LABOR, ETC.—Continued.

Date.	Name.	Nature of payment.	Total.
1903.			
Oct. 2	Chas. Shore	Repairs to bicycle	\$7.50
8	John C. Parker	Copier paper	32.50
	Tyler & Rutherford	Rent	116.66
12	Church & Stephenson	Lumber	52.25
	C. Becker	Broom and oil	1.30
	Thos. E. Trazzare	Brass	2.00
12	Hugh Reilly	Brushes	6.00
	J. Baumgarten & Sons	Repairs to machine	1.40
23	Thos. R. Riley	Lumber	17.69
	Rudolph, West & Co.	Hardware	4.34
31	H. S. Walter et al.	Salaries	5,904.45
Nov. 21	Wm. H. Rupp Co.	Folders	4.50
	W. B. Moses & Sons	Desk	12.75
	Tyler & Rutherford (Incorporated)	Rent	116.66
	H. S. Walter et al.	Salaries	5,764.93
Dec. 1	Woodward & Lothrop	Desks	42.13
	Rudolph, West & Co.	Hardware	7.43
	Geo. F. Muth & Co.	Lead	.80
	Densmore Typewriter Co.	Repairs	4.60
	James B. Lambie Co.	Brads	.24
2	National Electric Supply	Parts of camera stand	18.00
	J. Baumgarten & Sons	Repairs to machine	.25
	United States Envelope Co.	Envelopes	1,502.20
	do.	do	270.00
	Wm. H. Dyer	Panel	3.25
5	Tyler & Rutherford (Incorporated)	Rent	116.66
10	Underwood Typewriter Co.	Stands	8.50
17	Rudolph, West & Co.	Umbrella stand, etc	3.90
21	John C. Parker	Envelopes	132.99
29	Church & Stephenson	Lumber	32.80
31	H. S. Walter et al.	Salaries	5,846.02
	Total second quarter		20,034.70
1904.			
Jan. 14	Yawman & Erbe Manufacturing Co.	Cards	47.50
16	B. W. Huebsch	Yearbooks	2.60
18	W. B. Moses & Sons	Cloth	6.75
	United States Envelope Co.	Envelopes	532.00
19	H. P. Hottenstein	Services	21.43
22	Tyler & Rutherford (Incorporated)	Rent	116.66
26	Church & Stephenson	Lumber	33.50
	do.	do	5.53
	Chas. R. Edmonston	Baskets, etc	5.95
27	Hugh Reilly	Chie	2.00
29	Chas. Shore	Repairs to bicycles	1.50
	C. Becker	Harness dressing, etc	5.55
	Geo. F. Muth & Co.	Glass	4.50
31	H. S. Walter et al.	Salaries	5,949.07
Feb. 8	Tyler & Rutherford (Incorporated)	Rent	116.66
12	Yawman & Erbe Manufacturing Co.	Sections	48.75
23	United States Envelope Co.	Envelopes	540.00
24	Rudolph, West & Co.	Paste cups	17.40
	Remington Typewriter Co.	Typewriters and covers	184.50
	C. A. Muddiman & Co.	Gas stove	2.30
	W. B. Moses & Sons	Desks	27.00
	Remington Typewriter Co.	Adjusting typewriter	15.75
29	H. S. Walter et al.	Salaries	5,816.67
Mar. 2	Chas. Shore	Repairs to bicycle	1.25
	do.	do	10.00
3	Tyler & Rutherford	Rent	116.66
	James B. Lambie Co.	Pliers, etc	2.73
5	United States Envelope Co.	Envelopes	1,584.13
24	Lamb & Tilden	Numbering machine	14.00
	George Meier & Co.	Gum arabic	8.00
	The Pullman Automatic Ventilating Co.	Ventilators	15.00
28	J. H. Bunnell & Co.	Shades	2.50
29	Estate John C. Parker	Pan roller	.80
31	H. S. Walter et al.	Salaries	5,789.64
	Total third quarter		21,051.28
Apr. 4	Tyler & Rutherford (Incorporated)	Rent	116.66
6	H. B. Gardner	Services	5.00
9	W. B. Moses & Sons	Cushions	8.00
14	Herman Baumgarten	Repairs to machine	.75
20	Rudolph, West & Co.	Rope	6.31
	M. Du Perow	Electric supplies	1.10
23	The Brown Bag Filling Machine Co.	Paste	2.00
25	James S. Topham	Mail bag	8.50

Expenditures of the Department of Agriculture for fiscal year ending June 30, 1904—Cont'd.

## LABOR, ETC.—Continued.

Date.	Name.	Nature of payment.	Total.
1904.			
Apr. 28	Chas. Shore	Engraving	\$10.00
	George Meier Co.	Gum arabic	16.00
30	Annie C. Sullivan	Services	4.00
	H. S. Walter et al.	Salaries	5,844.26
May 4	Tyler & Rutherford (Incorporated)	Rent	116.66
13	Thos. Somerville & Sons	Hinge	.25
18	Chas. J. Bogue	Arc lamp rheostat	21.00
24	Underwood Typewriter Co.	Typewriter	85.00
31	H. S. Walter et al.	Salaries	6,074.87
June 3	Densmore Typewriter Co.	Rebuilding typewriters	75.00
	Church & Stephenson	Lumber	23.70
	George Meier Co.	Gum arabic	40.00
	Tyler & Rutherford (Incorporated)	Rent	116.66
6	Chas. J. Bogue	Coil for lamp, etc.	5.10
11	United States Envelope Co.	Envelopes	1,593.55
	do.	do.	13.60
	C. Becker	Collar pads	1.00
	Rudolph, West & Co.	Brushes, etc.	6.15
	H. C. Davison & Co.	Paper	5.40
	Yawman & Erbe Manufacturing Co.	Cabinet, etc.	73.17
	Woodward & Lothrop	Matting	12.93
	United States Envelope Co.	Envelopes	401.65
29	Densmore Typewriter Co.	Rebuilding typewriters	100.00
30	H. S. Walter et al.	Salaries	6,285.80
	Total fourth quarter		21,074.07
	<i>Supplemental.</i>		
1904.			
July 5	Tyler & Rutherford (Incorporated)	Rent	116.66
7	Clark & Davenport	Linoleum	78.96
	do.	do.	6.72
18	W. B. Moses & Sons	Desks, etc.	99.80
19	American Writing Machine Co.	Typewriter stand	4.00
	Library Bureau	Copier	32.00
	do.	Bases	20.00
	Geo. Meier & Co.	Gum arabic	40.00
	Swayze, Bailey & Co.	Sharpener	3.50
	United States Envelope Co.	Envelopes	532.00
	Yawman & Erbe Manufacturing Co.	Cards	18.00
	do.	Guides	7.18
	do.	Folders, etc.	30.25
20	Herman Baumgarten	Pads for numbering machine	2.20
	Lamb & Tilden	Stamp rack	3.80
	Woodward & Lothrop	Matting, etc.	37.12
Aug. 17	W. B. Moses & Sons	Desks, etc.	77.25
	Thos. R. Riley	Tags	21.25
	Geo. F. Muth & Co.	Paper, etc.	27.86
18	Geo. W. Millar & Co.	Manila paper	180.00
	Library Bureau	Card-index cases	148.00
	Yawman & Erbe Manufacturing Co.	Sections, etc.	124.00
	do.	Cabinet, etc.	29.00
29	Thos. E. Trazzare	Bolt	2.50
	Total		1,642.05

## RECAPITULATION.

Total first quarter	\$20,919.63
Total second quarter	20,034.70
Total third quarter	21,051.28
Total fourth quarter	21,074.07
Total supplemental	1,642.05
Total	84,721.73

## COLLECTING AGRICULTURAL STATISTICS.

Date.	Name.	Nature of payment.	Total.
1903.			
July 13	C. M. Daugherty	Traveling expenses	\$41.87
24	The Hammond Typewriter Co.	Typewriter	85.00
31	C. E. Edgerton et al.	Salaries	3,824.62
Aug. 1	E. S. Holmes, jr.	Salary	243.00

*Expenditures of the Department of Agriculture for fiscal year ending June 30, 1904—Cont'd.*

## COLLECTING AGRICULTURAL STATISTICS—Continued.

Date	Name.	Nature of payment	Total.
1903.			
Aug. 1	J. E. Rickards	Salary	\$234.00
	T. B. Baldwin	do	189.00
	Jno. J. Darg	do	189.00
3	J. S. Charlton	do	182.00
4	B. C. White	do	196.00
5	L. M. Erskine	do	50.00
	F. B. Headley	do	40.00
	C. Bollinger	do	25.00
	J. L. Cantwell	do	20.00
6	J. E. Rickards	Traveling expenses	144.90
8	T. C. Holloway	do	58.55
10	Jno. J. Darg	do	167.22
14	B. C. White	do	130.31
	H. M. Creel	Salary	126.00
	Henry Hawkins	do	20.00
15	Lamb & Tilden	Ink	1.35
17	The American News Co.	Scrapbooks	8.82
	Rand, McNally & Co.	Atlas	18.00
18	R. Carter Ballantyne	Crayons	1.70
19	Heber M. Creel	Traveling expenses	88.29
	W. O. H. Shepard	Salary	20.20
	John S. Charlton	Traveling expenses	112.28
31	C. E. Edgerton et al.	Salaries	3,656.24
Sept. 1	B. C. White	Salary	182.00
	Edwin S. Holmes, jr.	do	234.00
	Jno. J. Darg	do	182.00
	John S. Charlton	do	182.00
	Thos. B. Baldwin	do	182.00
	H. M. Creel	do	182.00
3	L. M. Erskine	do	50.50
4	Lord & Nagle Co.	Directory	2.50
	J. G. Smith	Fountain pen	5.00
8	E. T. Peters	Expenses	48.33
	do	Salary	171.50
9	H. M. Creel	Traveling expenses	73.10
	T. B. Baldwin	do	182.00
	W. A. Peck	Salary	30.00
	F. B. Headley	do	40.00
	J. L. Cantwell	do	20.20
	R. C. Ballantyne	Envelopes, etc.	25.66
10	B. C. White	Traveling expenses	131.09
	J. J. Darg	do	143.52
	Library Bureau	Cards	45.45
12	Washington City post-office	Stamps	40.00
16	C. Bollinger	Salary	25.30
	J. W. Schneider	do	80.00
	E. T. Peters	do	105.00
	Henry Hawkins	do	20.20
	W. O. H. Shepard	do	20.20
	J. E. Rickards	do	234.00
	do	Expenses	23.65
	do	Traveling expenses	48.05
	Church & Stephenson	Lumber	39.62
18	J. S. Charlton	Traveling expenses	135.10
	Norfolk and Washington, D. C., S. B. Co.	Passenger transportation	6.00
	Houston and Texas Central R. R. Co.	do	7.90
19	Southern Rwy. Co.	do	27.50
	Denver and Rio Grande R. R. Co.	do	18.00
	Seaboard Air Line Rwy.	do	14.55
	Richmond, Fredericksburg and Potomac R. R. Co.	do	3.50
	Atlantic and North Carolina R. R. Co.	do	3.25
21	Woodward & Lothrop	Water cooler	10.10
24	Eberhard Faber	Erasers	2.60
30	C. E. Edgerton et al.	Salaries	3,512.30
	Total first quarter		16,407.11
Oct. 1	Thos. B. Baldwin	Salary	182.00
2	B. C. White	do	203.00
	John L. Cantwell	do	19.60
	H. M. Creel	do	182.00
	L. M. Erskine	do	49.00
	Edwin S. Holmes, jr.	do	234.00
5	John S. Charlton	do	182.00
	John J. Darg	do	182.00
	Washington City post-office	Stamps	10.00
6	Wells W. Miller	Services	200.00
	W. C. Duncan	do	200.00
	T. J. Anderson	do	200.00



Expenditures of the Department of Agriculture for fiscal year ending June 30, 1904—Cont'd.

COLLECTING AGRICULTURAL STATISTICS—Continued.

Date.	Name.	Nature of payment.	Total
1903.			
Oct. 6	Sarah K. Harwood.....	Services.....	\$200.00
	W. J. Northern.....	do.....	180.00
	Plum A. Rogers.....	do.....	175.00
	F. E. Dawley.....	do.....	175.00
	Chas. H. Morse.....	do.....	150.00
	E. F. Scherbel.....	do.....	150.00
	James H. Lane.....	do.....	137.50
	O. B. Lovette.....	do.....	125.00
	McKenzie R. Todd.....	do.....	125.00
	J. J. Corley.....	do.....	125.00
	Chas. W. Burkett.....	do.....	125.00
	Jas. A. Hayden.....	do.....	112.50
	Daniel E. Morton.....	do.....	75.00
	John T. Cox.....	do.....	75.00
	Edward Wiggin.....	do.....	75.00
	John J. Rosa.....	do.....	75.00
	E. C. Hutchinson.....	do.....	75.00
	E. D. Howe.....	do.....	75.00
	Geo. E. Adams.....	do.....	75.00
	Chas. L. Gold.....	do.....	75.00
	J. E. Ricker.....	Salary.....	234.00
	E. T. Peters.....	do.....	154.00
	C. Bollinger.....	do.....	24.40
9	S. J. Seal.....	Services.....	112.50
	E. E. Kaufman.....	do.....	150.00
	M. T. Lightner.....	do.....	150.00
	L. T. Moulton.....	do.....	175.00
	Wm. G. Whitmore.....	do.....	175.00
	John Cowrie.....	do.....	200.00
	Oswald Wilson.....	do.....	275.00
	S. Arthur Knapp.....	do.....	165.00
	William Nelson.....	do.....	100.00
	A. M. Hawley.....	do.....	112.50
	R. H. Thomas.....	do.....	150.00
	E. M. Hemphill.....	do.....	137.50
	H. W. Vail.....	do.....	75.00
	F. B. Headley.....	do.....	40.00
	Henry Hawkins.....	do.....	19.60
	Geo. W. Perry.....	do.....	112.50
	Thos. B. Baldwin.....	Traveling expenses.....	143.35
	John S. Charlton.....	do.....	158.05
	B. C. White.....	do.....	143.64
	Edwin S. Holmes, jr.....	do.....	5.90
10	Rudolph, West & Co.....	Brooms.....	4.10
	W. O. H. Shepard.....	Services.....	19.60
12	D. Frank Parker.....	Typewriter paper.....	9.00
	The Chesapeake and Potomac Telephone Co.....	Moving phone.....	2.20
	R. P. Andrews & Co. (Incorporated).....	Chips.....	7.99
	W. H. Veerhoff.....	Molding.....	7.20
	Jno. J. Darg.....	Traveling expenses.....	168.42
14	E. G. Ward jr.....	do.....	11.00
	Wm. H. Rupp Co.....	Writing fluid.....	3.00
	James B. Lambie.....	Screwdrivers.....	2.25
19	John W. Schneider.....	Salary.....	40.00
	C. D. Boardman.....	do.....	150.00
	H. W. Desgranges.....	do.....	125.00
22	D. O. Haynes & Co.....	Subscription.....	6.00
	William A. May.....	do.....	4.26
	The Journal of Commerce and Commercial Bulletin.....	do.....	12.00
	The Railroad Gazette.....	do.....	4.20
	Bramard N. Rowley.....	do.....	2.00
	National Railway Publishing Co.....	Official Guide.....	8.00
	C. A. Dockham & Co.....	Report and Directory, 1903.....	6.00
	Curtis, Guild & Co.....	Commercial Bulletin.....	4.00
	I. E. Beerbohm.....	Subscription.....	29.20
	American Agriculturalist.....	do.....	1.00
	Shepherds Bulletin.....	do.....	1.00
	The Railway Age and Northwestern Rail-roader.....	do.....	4.00
	The University of Chicago Press.....	do.....	2.00
	Railway World Publishing Co.....	do.....	4.00
	Geo. H. Ellis Co.....	Journal.....	3.00
	Ginn & Co.....	Political Science.....	3.00
	The Tuttle, Morehouse & Taylor Co.....	Yale Review.....	3.00
	T. B. Veblen.....	Journal of Political Economy.....	3.00
	Oil, Paint, and Drug Reporter.....	Subscription.....	6.00
	Wool and Cotton Reporter.....	do.....	3.00
	The Hawaiian Gazette Co. (Limited).....	do.....	2.50
	D. Appleton & Co.....	"Grain Wheat".....	1.12

Expenditures of the Department of Agriculture for fiscal year ending June 30, 1904—Cont'd.

## COLLECTING AGRICULTURAL STATISTICS—Continued.

Date.	Name.	Nature of payment.	Total.
1903. Oct. 22	Louisiana Planter and Sugar Manufacturing Co.	Subscription	\$3.00
	The Trade Co.	do	2.00
	The Macmillan Co.	do	5.00
	do	do	5.00
	Lemcke & Buechner	Books	46.80
	H. M. Creel	Traveling expenses	90.92
23	Eberhard Faber	Bands	18.84
	Geo. W. Millar & Co	Wrapping paper	12.50
	do	do	18.00
24	Eric R. R. Co.	Passenger transportation	8.00
28	The Chesapeake and Potomac Telephone Co.	Telephone service	6.25
	D. Frank Parker	Ink	10.80
	The Smith Premier Typewriter Co.	Card platens, etc.	10.70
	J. Geo. Smith	Pencils, etc.	20.10
	R. P. Andrews & Co. (Incorporated)	Paper	54.00
	Franklin & Co.	Magnifying glasses	4.65
	W. B. Moses & Sons	Rubber, etc.	36.25
	do	Rug, etc.	58.50
29	Keasbey & Mathison	Paper	2.25
31	John S. Charlton	Salary	189.00
	Thos. B. Baldwin	do	189.00
	Edwin S. Holmes, jr.	do	252.00
	Burlington and Missouri River R. R. in Nebraska.	Passenger transportation	17.00
	Cleveland, Cincinnati, Chicago and St. Louis Rwy. Co.	do	3.40
	The Chesapeake and Ohio Rwy. Co.	do	4.20
	do	do	6.70
	Denver and Rio Grande R. R. Co.	do	13.00
	The Yazoo and Mississippi Valley R. R. Co.	do	6.80
	do	do	6.80
	Chicago and Northwestern Rwy. Co.	do	28.00
	Chicago, Milwaukee and St. Paul Rwy. Co.	do	8.00
	The Fulman Co.	do	19.00
	do	do	22.50
	The Atchison, Topeka and Santa Fe Rwy. Co.	do	4.03
	Baltimore and Ohio R. R.	do	54.65
	The Lake Shore and Michigan Southern Rwy. Co.	do	13.50
	Great Northern Rwy. Co.	do	37.47
	Illinois Central R. R. Co.	do	4.45
	do	do	6.06
	Pittsburgh, Cincinnati, Chicago and St. Louis Rwy. Co.	do	7.10
	Oregon Short Line R. R. Co.	do	33.50
	The Missouri Pacific Rwy. Co.	do	7.50
	Oregon Short Line R. R. Co.	do	33.50
	The Missouri Pacific Rwy. Co.	do	7.50
	Oregon Short Line R. R. Co.	do	33.00
	Union Pacific R. R. Co.	do	6.96
	do	do	4.30
	Pennsylvania R. R. Co.	do	6.50
	do	do	12.75
	Cincinnati, Hamilton and Dayton Rwy. Co.	do	4.60
	Pennsylvania R. R. Co.	do	17.00
	Southern Rwy. Co.	do	8.00
	do	do	27.50
	The Hocking Valley Rwy. Co.	do	3.70
	Louisville and Nashville R. R. Co.	do	14.85
	The Cleveland, Akron and Columbus Rwy. Co.	do	3.85
	The Wabash R. R. Co.	do	17.50
	Northern Pacific Rwy. Co.	do	21.08
	The Pullman Co.	do	19.00
	C. E. Edgerton et al.	Salaries	3,685.99
Nov. 2	B. C. White	Salary	189.00
	John J. Darg	do	189.00
	H. M. Creel	do	189.00
3	Edwin S. Holmes, jr.	Traveling expenses	23.40
4	Jno. L. Cantwell	Salary	20.20
	Frank B. Headley	do	40.00
	United States Envelope Co.	Envelopes	733.25
	J. Baumgarten & Sons	Stamp pads	32.45
7	C. C. Clark	Traveling expenses	29.50
	L. M. Erskine	Salary	50.50
	Eber S. Peters	do	105.00
	W. O. H. Shepard	do	20.20
	C. Bollinger	do	25.30
	J. E. Rickards	do	243.00
	Thos. B. Baldwin	Traveling expenses	177.83

Expenditures of the Department of Agriculture for fiscal year ending June 30, 1904—Cont'd.

## COLLECTING AGRICULTURAL STATISTICS—Continued.

Date.	Name.	Nature of payment.	Total.
1903.			
Nov. 7	John S. Charlton.....	Traveling expenses.....	\$144.85
	H. M. Creel.....	do.....	78.53
	B. C. White.....	do.....	111.09
	Hugh Reilly.....	Brushes.....	2.00
13	Jno. J. Darg.....	Traveling expenses.....	161.07
19	Edwin S. Holmes, jr.....	Salaries.....	108.00
	E. T. Peters.....	Salary.....	42.00
	Henry Hawkins.....	do.....	20.20
20	Union Envelope Co.....	Envelopes.....	333.41
	E. E. Billow.....	do.....	7.50
21	W. B. Moses & Sons.....	Furniture, etc.....	24.45
	Remington Typewriter Co.....	Typewriter, etc.....	118.65
23	Rand, McNally & Co.....	Atlas.....	12.50
	Richard H. Lea.....	Salary.....	101.00
30	C. E. Edgerton et al.....	Salaries.....	3,399.80
Dec. 1	The Hammond Typewriter Co.....	Ribbons.....	7.50
2	Thos. B. Baldwin.....	Salary.....	175.00
3	B. C. White.....	Traveling expenses.....	187.76
	Jno. J. Darg.....	Salary.....	175.00
	B. C. White.....	do.....	182.00
4	E. S. Peters.....	Traveling expenses.....	60.60
	John Walter Schneider.....	Salary.....	80.00
	L. M. Erskine.....	do.....	49.50
	Jno. L. Cantwell.....	do.....	19.80
	C. Bollinger.....	do.....	24.70
	J. E. Richards.....	do.....	225.00
	H. M. Creel.....	do.....	175.00
	John S. Charlton.....	do.....	175.00
5	E. S. Peters.....	do.....	175.00
	Frank B. Headley.....	do.....	40.00
	Thos. B. Baldwin.....	Traveling expenses.....	154.27
9	Henry Hawkins.....	Salary.....	19.80
10	John S. Charlton.....	Traveling expenses.....	60.81
	Jno. J. Darg.....	do.....	145.43
	D. Frank Parker.....	Paper.....	90.50
11	E. Morrison Paper Co.....	Pens.....	5.00
	James B. Lambie Co. (Incorporated).....	Locks, etc.....	9.95
	R. Carter Ballantyne.....	Pens, etc.....	19.39
	Hugh Reilly.....	Varnish.....	1.25
	W. B. Moses & Sons.....	Shades.....	8.44
	John C. Parker.....	Stationery supplies.....	117.86
14	Old Dominion Paper Co.....	Memorandum books.....	3.60
	The Hoggson & Pettis Manufacturing Co.....	Copying bath, etc.....	3.83
	The J. Lansburgh Furniture and Carpet Co.....	Typewriter desk.....	44.25
	J. Geo. Smith.....	Pencils, etc.....	28.89
	Woodward & Lothrop.....	Repairs to furniture.....	47.15
16	H. M. Creel.....	Traveling expenses.....	45.75
17	Rudolph, West & Co.....	Waste baskets.....	9.00
	Library Bureau.....	Case.....	25.00
	do.....	Cards.....	13.75
	Eberhard Faber.....	Bands.....	57.60
18	The Lake Shore and Michigan Southern Rwy. Co.....	Passenger transportation.....	3.25
	do.....	do.....	3.25
	New Orleans and Northeastern R. R. Co.....	do.....	5.55
	do.....	do.....	5.55
	The Missouri Pacific Rwy. Co.....	do.....	9.50
	Seaboard Air Line Rwy.....	do.....	21.15
	do.....	do.....	14.70
	Southern California Rwy. Co.....	do.....	7.70
	Louisville and Nashville R. R. Co.....	do.....	14.85
	do.....	do.....	14.85
	The Pullman Co.....	do.....	18.50
	do.....	do.....	16.00
	do.....	do.....	12.00
	Pittsburg, Cincinnati, Chicago and St. Louis Rwy. Co.....	do.....	3.90
	do.....	do.....	3.90
	Boston and Maine R. R.....	do.....	9.45
	The Chesapeake and Ohio Rwy. Co.....	do.....	43.70
	do.....	do.....	16.44
	do.....	do.....	28.64
	The Atchison, Topeka and Santa Fe Rwy. Co.....	do.....	17.34
	do.....	do.....	3.15
	Atlantic Coast Line R. R. Co.....	do.....	10.10
	Burlington and Missouri River R. R. in Nebraska.....	do.....	9.10
	The Chicago, Burlington and Quincy Rwy. Co.....	do.....	5.75
	Chicago and Northwestern Rwy. Co.....	do.....	12.50



Expenditures of the Department of Agriculture for fiscal year ending June 30, 1904—Cont'd.

## COLLECTING AGRICULTURAL STATISTICS—Continued.

Date.	Name.	Nature of payment.	Total.
1903. Dec. 15	Chicago and Northwestern Rwy. Co.....	Passenger transportation.....	\$6.02
	Central Vermont Rwy. Co.....	do.....	5.55
	Cleveland, Cincinnati and St. Louis Rwy.....	do.....	3.40
	Houston and Texas Central R. R. Co.....	do.....	7.90
	Grand Rapids and Indiana Rwy. Co.....	do.....	4.26
	do.....	do.....	4.26
	Pennsylvania R. R. Co.....	do.....	69.00
	Texas and New Orleans R. R. Co.....	do.....	10.85
	Terre Haute and Logansport Rwy. Co.....	do.....	3.47
	Southern Rwy. Co.....	do.....	23.00
	do.....	do.....	39.50
	Missouri, Kansas and Texas Rwy. Co.....	do.....	7.55
	do.....	do.....	5.65
	Northern Pacific Rwy. Co.....	do.....	3.75
	Oregon Short Line R. R. Co.....	do.....	29.70
	New York Central and Hudson River R. R. Co.....	do.....	3.10
	St. Louis and San Francisco R. R. Co.....	do.....	2.74
	Scutner Rwy. Co.....	do.....	15.50
19 21	Wm. Argalus Peck.....	Salary.....	120.00
	W. O. H. Shepard.....	do.....	19.60
23	Washington City post-office.....	Stamps.....	50.00
26	W. B. Moses & Sons.....	Chair seats, etc.....	17.88
28	E. T. Peters.....	Salary.....	136.50
31	Oswald Wilson.....	Services.....	275.00
	John Cownie.....	do.....	200.00
	Thomas J. Anderson.....	do.....	200.00
	W. W. Miller.....	do.....	200.00
	Sarah K. Harwood.....	do.....	200.00
	Washington C. Duncan.....	do.....	200.00
	W. J. Northen.....	do.....	180.00
	Frank E. Dawley.....	do.....	175.00
	Wm. G. Whitmore.....	do.....	175.00
	Levi T. Moulton.....	do.....	175.00
	Plum A. Rogers.....	do.....	175.00
	S. Arthur Knapp.....	do.....	165.00
	E. E. Kaufman.....	do.....	150.00
	Ernest F. Scherbel.....	do.....	150.00
	Chas. H. Morse.....	do.....	150.00
	Mahlon T. Lightner.....	do.....	150.00
	C. D. Boardman.....	do.....	150.00
	R. H. Thomas.....	do.....	150.00
	James H. Lane.....	do.....	137.50
	Everett M. Hemphill.....	do.....	137.50
	Chas. W. Burkett.....	do.....	125.00
	Jacob J. Corley.....	do.....	125.00
	H. W. Desgranges.....	do.....	125.00
	McKenzie R. Todd.....	do.....	125.00
	Oscar B. Lovette.....	do.....	125.00
	Sherman J. Seal.....	do.....	112.50
	Geo. W. Perry.....	do.....	112.50
	Jas. A. Hayden.....	do.....	112.50
	Alfred M. Hawley.....	do.....	112.50
	William Nelson.....	do.....	100.00
	Edward Wiggin.....	do.....	75.00
	Homer W. Vail.....	do.....	75.00
	John J. Rosa.....	do.....	75.00
	E. C. Hutchinson.....	do.....	75.00
	Geo. E. Adams.....	do.....	75.00
	Chas. L. Gold.....	do.....	75.00
	E. D. Howe.....	do.....	75.00
	John T. Cox.....	do.....	75.00
	Daniel E. Morton.....	do.....	75.00
	C. E. Edgerton et al.....	Salaries.....	3,790.77
	Total second quarter.....		32,564.20
1904. Jan. 2	B. C. White.....	Salary.....	182.00
	Jno. J. Darg.....	do.....	182.00
	Thos. B. Baldwin.....	do.....	189.00
	John S. Charlton.....	do.....	189.00
	J. E. Rickards.....	do.....	243.00
4	Thos. B. Baldwin.....	Traveling expenses.....	29.85
5	H. M. Creel.....	Salary.....	189.00
	Fred. E. Brooks.....	do.....	65.20
	Jno. L. Cantwell.....	do.....	20.20
	L. M. Erskine.....	do.....	50.50
7	Remington Typewriter Co.....	Ribbons.....	41.60

Expenditures of the Department of Agriculture for fiscal year ending June 30, 1904—Cont'd.

COLLECTING AGRICULTURAL STATISTICS—Continued.

Date.	Name.	Nature of payment.	Total.
1904.			
Jan. 8	W. B. Moses & Sons.....	Chairs.....	\$18.20
14	U. S. Envelope Co.....	Envelopes.....	54.14
	W. O. H. Shepard.....	Salary.....	20.20
	Henry Hawkins.....	do.....	20.20
	C. Bollinger.....	do.....	25.30
	Frank B. Headley.....	do.....	40.00
16	H. M. Creel.....	Traveling expenses.....	84.27
	S. W. Halsey.....	Salary.....	10.27
25	John Walter Schneider.....	do.....	40.00
	Northern Pacific Rwy. Co.....	Passenger transportation.....	18.25
	New York, New Haven and Hartford R. R. Co.....	do.....	4.50
	Louisville and Nashville R. R. Co.....	do.....	24.44
	Pittsburg, Cincinnati, Chicago and St. Louis Rwy. Co.....	do.....	7.80
	St. Louis and San Francisco R. R. Co.....	do.....	8.10
	Baltimore and Ohio R. R. Co.....	do.....	3.10
	Chesapeake and Ohio Ry. Co.....	do.....	6.70
	Central of Georgia Rwy. Co.....	do.....	11.66
	Fort Worth and Denver City Rwy. Co.....	do.....	10.05
	The Cleveland, Akron and Columbus Rwy. Co.....	do.....	3.85
	Illinois Central R. R. Co.....	do.....	11.85
	The Texas and Pacific Rwy. Co.....	do.....	19.20
	Maine Central R. R. Co.....	do.....	3.95
	Denver and Rio Grande R. R. Co.....	do.....	14.00
	The Wabash R. R. Co.....	do.....	15.55
	Seaboard Air Line Rwy.....	do.....	14.70
	The Missouri Pacific Rwy. Co.....	do.....	13.20
	Pennsylvania R. R. Co.....	do.....	10.00
26	E. S. Peters.....	Traveling expenses.....	129.55
	John C. Parker.....	Pens and pencils.....	23.34
	D. Frank Parker.....	Typewriter paper.....	45.00
27	Hugh Reilly.....	Shellac.....	9.50
28	The Chesapeake and Ohio Rwy Co.....	Passenger transportation.....	6.70
29	R. P. Andrews & Co. (Incorporated).....	Pads and cards.....	58.55
	do.....	Cardboard.....	3.20
	Keasbey & Mattison Co.....	Pipe covering.....	3.46
	E. T. Peters.....	Expenses.....	73.68
	O'Connor & Co.....	Periodical.....	5.00
	Geo. W. Millar & Co.....	Wrapping paper.....	25.00
	Barber & Ross.....	Scissors.....	8.80
31	E. S. Holmes, jr., et al.....	Salaries.....	4,077.97
Feb. 1	Jno. J. Darg.....	Salary.....	175.00
	H. M. Creel.....	do.....	182.00
	Thos. B. Baldwin.....	do.....	182.00
2	John S. Charlton.....	do.....	182.00
	Wm. Argalus Peck.....	do.....	59.35
	E. T. Peters.....	do.....	168.00
	B. C. White.....	do.....	175.00
	J. E. Rickards.....	do.....	234.00
3	Adams Express Co.....	Transportation.....	.30
4	Jno. L. Cantwell.....	Salary.....	20.40
5	Thos. Cook & Son.....	Hotel coupons.....	128.00
6	C. Bollinger.....	Salary.....	25.50
	L. M. Erskine.....	do.....	51.10
	F. B. Headley.....	do.....	40.00
	John S. Charlton.....	Traveling expenses.....	70.60
	E. T. Peters.....	do.....	87.35
	B. C. White.....	do.....	71.99
	H. M. Creel.....	do.....	57.67
8	The Chesapeake and Potomac Telephone Co.....	Telephone service.....	6.25
11	Thomas P. Cooper.....	Salary.....	40.00
	Henry Hawkins.....	do.....	20.40
	W. O. H. Shepard.....	do.....	20.40
12	U. S. Envelope Co.....	Envelopes.....	158.65
16	Washington City Post-Office.....	Stamps.....	10.00
17	Baltimore and Ohio R. R. Co.....	Passenger transportation.....	24.88
	The Chicago, Burlington and Quincy Rwy. Co.....	do.....	35.80
	do.....	do.....	36.35
18	The Texas and Pacific Rwy. Co.....	do.....	16.70
	Missouri Pacific Rwy. Co.....	do.....	10.46
	Nashville, Chattanooga and St. Louis Rwy.....	do.....	15.50
	Louisville and Nashville R. R. Co.....	do.....	14.85
	The Kanawha and Michigan Rwy. Co.....	do.....	4.11
	Union Pacific R. R. Co.....	do.....	9.65
	The Pullman Co.....	do.....	23.00
	do.....	do.....	30.00

152 EXPENDITURES IN DEPARTMENT OF AGRICULTURE.

Expenditures of the Department of Agriculture for fiscal year ending June 30, 1904—Cont'd

COLLECTING AGRICULTURAL STATISTICS—Continued.

Date.	Name.	Nature of payment.	Total.
1904.			
Feb. 18	The Pullman Co.	Passenger Transportation	\$11.00
	do.	do.	20.00
	do.	do.	18.00
	The Wabash R. R. Co.	do.	4.45
	New Orleans and Northeastern R. R. Co.	do.	5.55
	Illinois Central R. R. Co.	do.	6.60
	Pennsylvania Company	do.	17.50
	Northern Pacific Rwy. Co.	do.	23.50
	Grand Rapids and Indiana Rwy. Co.	do.	4.25
	Georgia R. R.	do.	14.00
	Houston and Texas Central R. R. Co.	do.	13.90
	Chicago and Northwestern Rwy. Co.	do.	12.75
	do.	do.	22.02
	Chicago and Eastern Illinois R. R. Co.	do.	3.73
	Chicago, Milwaukee and St. Paul Rwy. Co.	do.	13.33
	do.	do.	26.40
	Great Northern Rwy. Co.	do.	23.94
	E. T. Peters	Traveling expenses	35.78
19	do.	Salary	175.00
23	The Hoggson & Pettis Manufacturing Co.	Cloths	8.00
	The Barrick Publishing Co.	Book	3.00
	J. H. Bunnell & Co.	Shades	4.10
	H. R. Danielson	Salary	20.65
24	W. B. Moses & Sons.	Furniture	50.05
	Woodward & Lothrop	Furniture, etc.	17.78
	Remington Typewriter Co.	Adjusting typewriter	16.00
	Church & Stephenson.	Lumber	7.50
27	Western Union Telephone Co.	Telephone service	91.30
29	John S. Charlton	Salary	175.00
	Thos. B. Baldwin	do.	175.00
	J. E. Rickards	do.	225.00
	Jno. J. Darg	do.	175.00
Mar. 2	E. S. Holmes et al.	Salaries	3,836.60
	Edwin S. Holmes, jr.	Traveling expenses	33.65
	B. C. White	Salary	175.00
	H. M. Creel	do.	175.00
	C. Bollinger	do.	24.00
3	Jno. L. Cantwell	do.	19.20
	L. M. Erskine	do.	47.80
	W. B. Moses & Sons.	Furniture, etc.	77.80
	John S. Charlton	Traveling expenses	122.52
4	Jno. J. Darg	do.	91.71
	Thos. B. Baldwin	do.	86.05
5	B. C. White	do.	137.60
	U. S. Envelope Co.	Envelopes	1,095.36
10	Henry Hawkins	Salary	19.20
	F. B. Headley	do.	40.00
	H. R. Danielson	do.	40.00
	Thomas P. Cooper	do.	40.00
11	W. O. H. Shepard	do.	19.20
	Postal Telegraph Cable Co.	Telegraph service	10.13
	The Smith-Powell Paper Co. (Incorporated)	Stationery supplies	22.15
16	E. T. Peters	Salary	168.00
	do.	Traveling expenses	24.63
17	Denver and Rio Grande R. R. Co.	Passenger transportation	59.00
	Grand Rapids and Indiana Rwy. Co.	do.	7.00
	Great Northern Rwy. Co.	do.	23.47
	Houston and Texas Central R. R. Co.	do.	14.45
	Chicago, Milwaukee and St. Paul Rwy. Co.	do.	3.50
	Chicago, Rock Island and Pacific Rwy. Co.	do.	20.47
	Burlington and Missouri River R. R. in Nebraska.	do.	44.75
18	Missouri, Kansas and Texas Rwy. Co. of Texas.	do.	7.90
	Southern Rwy. Co.	do.	27.50
	St. Louis and San Francisco R. R. Co.	do.	5.48
	Missouri, Kansas and Texas Rwy. Co. of Texas.	do.	13.25
	The Missouri Pacific Rwy. Co.	do.	9.15
	Norfolk and Washington (D. C.) Steamboat Co.	do.	3.00
	The Lake Shore and Michigan Southern Rwy. Co.	do.	3.25
24	Barber & Ross	Glue	2.10
	R. Carter Ballantyne	Stationery supplies	53.15
	Library Bureau	Cards	9.00
	J. C. Parker, Mary E. Parker, executrix.	Paper, etc.	24.50
	J. Geo. Smith	Cardboard	4.95
	do.	Penholders	3.00
26	Lewis F. Sloan	Services	199.50



Expenditures of the Department of Agriculture for fiscal year ending June 30, 1904—Cont'd.

## COLLECTING AGRICULTURAL STATISTICS—Continued.

Date.	Name.	Nature of payment.	Total.
1904.			
Mar. 28	The Pullman Co.....	Passenger transportation.....	\$28.25
	.....do.....	.....do.....	9.00
31	The Wabash R. R. Co.....	.....do.....	9.40
	H. W. Desgranges.....	Services.....	125.00
	E. M. Hemphill.....	.....do.....	137.50
	James H. Lane.....	.....do.....	137.50
	S. Arthur Knapp.....	.....do.....	165.00
	P. A. Rogers.....	.....do.....	175.00
	F. E. Dawley.....	.....do.....	175.00
	L. T. Moulton.....	.....do.....	175.00
	W. G. Whitmore.....	.....do.....	175.00
	W. J. Northen.....	.....do.....	180.00
	Oswald Wilson.....	.....do.....	275.00
	E. S. Holmes, jr., et al.....	Salaries.....	4,041.02
	Total third quarter.....		22,816.47
Apr. 4	H. M. Creel.....	Traveling expenses.....	135.40
	Thos. Cook & Son.....	Passenger transportation.....	315.66
	B. C. White.....	Salary.....	189.00
	H. M. Creel.....	.....do.....	189.00
	John S. Charlton.....	.....do.....	189.00
	Thos. B. Baldwin.....	.....do.....	189.00
	Jno. J. Darg.....	.....do.....	189.00
	J. E. Rickards.....	.....do.....	243.00
6	H. R. Danielson.....	.....do.....	40.00
	Jno. L. Cantwell.....	.....do.....	20.40
	C. Bollinger.....	.....do.....	25.50
	L. M. Erskine.....	.....do.....	51.10
7	Jno. J. Darg.....	Traveling expenses.....	163.58
	F. B. Headley.....	Salary.....	40.00
	Thomas P. Cooper.....	.....do.....	40.00
9	Henry Hawkins.....	.....do.....	20.40
	The Smith-Powell Paper Co. (Incorporated).....	Mucilage cups, etc.....	5.00
	R. P. Andrews & Co. (Incorporated).....	Paste.....	4.90
	W. O. H. Shepard.....	Salary.....	20.40
11	H. M. Creel.....	Traveling expenses.....	69.52
	Richard H. Lea.....	Salary.....	297.90
14	E. S. Holmes, jr.....	Traveling expenses.....	55.95
15	Chas. M. Daugherty.....	Services.....	91.00
18	Almont Barnes.....	.....do.....	72.00
	Postal Telegraph-Cable.....	Telegraph service.....	2.72
	Western Union Telegraph Co.....	.....do.....	12.01
	Thos. B. Baldwin.....	Traveling expenses.....	167.66
19	John S. Charlton.....	.....do.....	79.56
20	St. Louis Southwestern Rwy. Co. of Texas.....	Passenger transportation.....	16.50
	Pere Marquette R. R. Co.....	.....do.....	3.20
	The Chicago, Burlington and Quincy R. R. Co.....	.....do.....	12.50
	.....do.....	.....do.....	19.25
	Chicago, Milwaukee and St. Paul Rwy. Co.....	.....do.....	19.35
	Missouri, Kansas and Texas Rwy. Co.....	.....do.....	4.75
	Northern Pacific Rwy. Co.....	.....do.....	4.56
	New York, New Haven and Hartford R. R. Co.....	.....do.....	12.00
	Pennsylvania R. R. Co.....	.....do.....	19.25
	Chicago and Alton Rwy. Co.....	.....do.....	7.50
	The Lake Shore and Michigan Southern Rwy. Co.....	.....do.....	3.25
	Richard H. Lea.....	Salary.....	51.10
	E. T. Peters.....	.....do.....	189.00
	.....do.....	Traveling expenses.....	69.93
21	C. E. Edgerton.....	.....do.....	38.56
23	Eberhard Faber.....	Rulers.....	3.92
25	D. Frank Parker.....	Typewriter paper.....	27.00
	E. S. Newman.....	Pads for machines.....	6.00
	Remington Typewriter Co.....	Copyholders.....	4.00
	Wm. H. Rupp Co.....	Writing fluid.....	6.00
27	B. C. White.....	Traveling expenses.....	65.87
28	Frankfort and Cincinnati Rwy. Co.....	Passenger transportation.....	2.80
	Chicago, St. Paul, Minneapolis and Omaha Rwy.....	.....do.....	6.15
	Choctaw, Oklahoma and Gulf R. R. Co.....	.....do.....	11.40
	Chicago, Rock Island and Gulf Rwy. Co.....	.....do.....	7.41
	Chicago and Alton Rwy. Co.....	.....do.....	7.50
	Cleveland, Cincinnati, Chicago and St. Louis Rwy.....	.....do.....	7.45
	.....do.....	.....do.....	3.40
	The Chesapeake and Ohio Rwy. Co.....	.....do.....	19.50

154 EXPENDITURES IN DEPARTMENT OF AGRICULTURE.

Expenditures of the Department of Agriculture for fiscal year ending June 30, 1904—Cont'd.

COLLECTING AGRICULTURAL STATISTICS—Continued.

Date.	Name.	Nature of payment.	Total.
1904.			
Apr. 28	The Chesapeake and Potomac Telephone Co.	Telephone service	\$6.25
	Joseph L. Crupper	Boxes	39.00
	The Hocking Valley Rwy. Co.	Passenger transportation	8.35
	Louisville and Nashville R. R. Co.	do	27.50
	The Missouri Pacific Rwy. Co.	do	9.40
	Pere Marquette R. R. Co.	do	1.94
	Pennsylvania Co.	do	21.95
	Pittsburg, Cincinnati, Chicago and St. Louis Rwy. Co.	do	3.90
	Pennsylvania R. R. Co.	do	56.80
	Southern Rwy. Co.	do	27.50
30	Jno. J. Darg	Salary	182.00
	Thos. B. Baldwin	do	182.00
	John S. Charlton	do	182.00
	Chas. M. Daugherty	do	91.00
	Almont Barnes	do	72.00
May 2	E. S. Holmes, jr., et al	Salaries	3,396.19
	J. E. Rickards	Traveling expenses	6.75
	do	Salary	234.00
	H. M. Creel	do	182.00
	B. C. White	do	182.00
4	Thos. B. Baldwin	Traveling expenses	149.45
	A. B. Dick Co.	Cylinder, etc	5.00
	H. R. Danielson	Salary	40.00
7	John Underwood & Co.	Carbon paper	9.95
	Jno. L. Cantwell	Salary	19.80
9	Edwin S. Holmes, jr	Traveling expenses	75.40
	Jno. J. Darg	do	158.28
11	B. C. White	do	127.25
	L. M. Erskine	Salary	49.50
	Thomas P. Cooper	do	40.00
	Henry Hawkins	do	19.80
	F. B. Headly	do	40.00
	C. Bolinger	do	24.70
13	Library Bureau	Cards, etc	20.90
	The Maurice Joyce Engraving Co.	Engraving	1.50
	Western Union Telegraph Co.	Telegraph service	112.40
	James B. Lambie Co. (Incorporated)	Brackets	4.48
	W. B. Moses & Sons	Chairs	18.05
	M. Du Perow	Buzzers, etc	6.60
	Woodward & Lothrop	Desk, etc	50.94
	Barber & Ross	Locks, etc	2.99
14	Almont Barnes	Salary	48.00
	C. M. Daugherty	do	84.00
16	H. M. Creel	Traveling expenses	48.74
17	John S. Charlton	do	104.42
18	Pennsylvania Company	Passenger transportation	67.50
	The Chesapeake and Ohio Rwy. Co.	do	6.70
	Chicago and Alton Rwy. Co.	do	12.25
	The Wabash R. R. Co.	do	7.50
	Union Pacific R. R. Co.	do	3.60
	Grand Rapids and Indianapolis Rwy. Co.	do	3.60
	Pittsburg, Cincinnati, Chicago and St. Louis Rwy. Co.	do	12.25
	Denver and Rio Grande R. R. Co.	do	32.05
May 20	W. O. H. Sheppard	Salary	19.80
23	E. T. Peters	do	175.00
24	Swayze, Bailey & Co.	Mimeograph paper, etc	21.10
	D. Frank Parker	Ribbons, etc	16.35
	U. S. Envelope Co.	Envelopes	518.61
	Pearre E. Crowl Co.	Stamp rubber	59.50
25	E. T. Peters	Traveling expenses	30.82
26	Remington Typewriter Co.	Typewriter carriage	23.50
	Pennsylvania R. R. Co.	Passenger transportation	19.20
	Burlington and Missouri River R. R. in Nebraska	do	55.85
	The Atchison, Topeka and Santa Fe Rwy. Co.	do	14.59
	Old Dominion Steamship Co.	do	2.50
31	A. G. Masius	Salary	15.00
	Almont Barnes	do	84.00
	Chas. M. Daugherty	do	98.00
	F. S. Holmes, jr., et al	Salaries	3,263.79
June 1	S. W. Halsey	Salary	71.60
	Jno. J. Darg	do	182.00
	Thos. B. Baldwin	do	182.00
	H. M. Creel	do	182.00
	B. C. White	do	182.00
	John S. Charlton	do	182.00
	J. E. Rickards	do	234.00
3	B. C. White	Traveling expenses	149.95

Expenditures of the Department of Agriculture for fiscal year ending June 30, 1904—Cont'd.

## COLLECTING AGRICULTURAL STATISTICS—Continued.

Date.	Name.	Nature of payment.	Total.
1904.			
June 3	Adams Express Co. ....	Passenger transportation .....	\$0.35
	do. ....	do. ....	.35
	National Electric Supply Co. ....	Shades .....	2.55
	The Smith Premier Typewriter Co. ....	Repairs .....	1.00
	G. W. Littlejohn .....	Maps .....	41.88
6	J. P. Nawrath .....	Twine .....	6.10
	Wolf Bros. ....	Envelopes .....	255.00
	Thos. B. Baldwin .....	Traveling expenses .....	157.70
	Jno. J. Darg .....	do. ....	146.58
	J. S. Lee .....	Dust protectors .....	15.00
8	Stephen D. Fessenden .....	Traveling expenses .....	113.15
	Henry Hawkins .....	Salary .....	20.40
	H. R. Danielson .....	do. ....	40.00
	C. Bollinger .....	do. ....	25.60
	Jno. L. Cantwell .....	do. ....	20.40
	L. M. Erskine .....	do. ....	51.00
	F. B. Headley .....	do. ....	40.00
	Thos. P. Cooper .....	do. ....	40.00
	James G. Pepper .....	Traveling expenses .....	79.17
11	John S. Charlton .....	do. ....	72.50
15	Almont Barnes .....	Salary .....	87.00
	A. G. Masius .....	do. ....	25.00
	C. M. Daugherty .....	do. ....	91.00
	H. M. Creel .....	Traveling expenses .....	110.26
17	James G. Pepper .....	do. ....	35.64
18	W. O. H. Shepard .....	Salary .....	20.40
	Richard H. Lea .....	do. ....	100.50
20	Geo. W. Millar & Co. ....	Paper .....	18.00
	The Smith Premier Typewriter Co. ....	Repairs .....	6.00
	Western Union Telegraph Co. ....	Telegraph service .....	14.96
24	E. T. Peters .....	Salary .....	182.00
	do. ....	Traveling expenses .....	37.27
30	L. F. Sloan .....	Services .....	75.80
	A. G. Masius .....	Salary .....	35.00
	C. M. Daugherty .....	do. ....	91.00
	Thos. B. Baldwin .....	do. ....	182.00
	C. H. Morse .....	do. ....	150.00
	Fred. E. Brooks .....	do. ....	125.00
	P. A. Rogers .....	do. ....	175.00
	E. C. Hutchinson .....	do. ....	75.00
	F. E. Dawley .....	do. ....	175.00
	Geo. E. Adams .....	do. ....	75.00
	John T. Cox .....	do. ....	75.00
	E. D. Howe .....	do. ....	75.00
	C. L. Gold .....	do. ....	75.00
30	E. E. Kaufman .....	do. ....	150.00
	C. W. Burkett .....	do. ....	125.00
	R. H. Thomas .....	do. ....	150.00
	James H. Lane .....	do. ....	137.50
	Edward Wiggin .....	do. ....	75.00
	A. M. Hawley .....	do. ....	112.50
	H. W. Desgranges .....	do. ....	125.00
	D. F. Morton .....	do. ....	75.00
	E. M. Hemphill .....	do. ....	137.50
	M. T. Lightner .....	do. ....	150.00
	John J. Rosa .....	do. ....	75.00
	Wells W. Miller .....	do. ....	200.00
	Wm. G. Whitmore .....	do. ....	175.00
	McKensie R. Todd .....	do. ....	125.00
	S. Arthur Knapp .....	do. ....	165.00
	T. J. Anderson .....	do. ....	200.00
	Sarah K. Harwood .....	do. ....	200.00
	E. F. Scherbel .....	do. ....	150.00
	L. T. Moulton .....	do. ....	175.00
	Oswald Wilson .....	do. ....	275.00
	H. W. Vail .....	do. ....	75.00
	William Nelson .....	do. ....	100.00
	John Cownie .....	do. ....	200.00
	Sherman J. Seal .....	do. ....	112.50
	C. D. Boardman .....	do. ....	150.00
	W. C. Duncan .....	do. ....	200.00
	O. B. Lovette .....	do. ....	125.00
	J. A. Hayden .....	do. ....	112.50
	Jacob J. Corley .....	do. ....	125.00
	Jno. J. Darg .....	do. ....	182.00
	B. C. White .....	do. ....	182.00
	John S. Charlton .....	do. ....	182.00
	H. M. Creel .....	do. ....	182.00
	J. E. Rickards .....	do. ....	234.00



Expenditures of the Department of Agriculture for fiscal year ending June 30, 1904—Cont'd

## COLLECTING AGRICULTURAL STATISTICS—Continued.

Date.	Name.	Nature of payment.	Total.
1904.			
June 30	J. E. Richards .....	Traveling expenses .....	\$3.25
	Geo. W. Perry .....	Salary .....	112.50
	E. S. Holmes et al. ....	Salaries .....	3,204.38
	Total fourth quarter .....		27,320.24
	<i>Supplemental.</i>		
July 1	Almont Barnes .....	Salary .....	36.00
5	B. C. White .....	Traveling expenses .....	117.12
6	Thos. B. Baldwin .....	do .....	133.14
	Jno. J. Darg .....	do .....	153.92
	John S. Charlton .....	do .....	94.00
8	R. H. Lea .....	Salary .....	26.37
11	C. B. Bollinger .....	do .....	24.70
	Jno. L. Cantwell .....	do .....	19.50
	L. M. Erskine .....	do .....	49.50
	Henry Hawkins .....	do .....	19.80
	Thos. P. Cooper .....	do .....	40.00
	H. R. Danielson .....	do .....	40.00
	F. B. Headley .....	do .....	40.00
15	H. M. Creel .....	Traveling expenses .....	58.38
	W. O. H. Shepard .....	Services .....	19.80
18	E. T. Peters .....	do .....	175.00
	do .....	Expenses .....	58.50
19	Swayze, Bailey & Co. ....	Files, etc. ....	21.96
20	Baltimore and Ohio R. R. Co. ....	Passenger transportation .....	64.45
	A. F. Jorss .....	Mail bag rack .....	15.00
	Freund & Anderson .....	Screens .....	8.00
	Remington Typewriter Co. ....	Copyholders, etc .....	10.90
	F. A. Schmidt .....	Mucilage .....	2.10
	The Smith Premier Typewriter Co. ....	Typewriter, etc .....	91.50
23	Southern Rwy. Co. ....	Passenger transportation .....	39.90
	Washington Southern Rwy. Co. ....	do .....	3.50
30	Missouri, Kansas and Texas Rwy. Co. ....	do .....	14.50
	Seaboard Air Line Rwy .....	do .....	11.20
	Union Pacific R. R. Co. ....	do .....	15.36
	The Wabash R. R. Co. ....	do .....	8.00
	San Antonio and Aransas Pass Rwy. Co. ....	do .....	6.30
	The Texas and Pacific Rwy. Co. ....	do .....	19.20
	Pittsburg, Cincinnati, Chicago and St. Louis Rwy. Co. ....	do .....	16.65
	do .....	do .....	22.40
	The Chicago, Burlington and Quincy Rwy. Co. ....	do .....	22.63
	Cleveland, Cincinnati and St. Louis Rwy. Co. ....	do .....	15.10
	Chicago, Milwaukee and St. Paul Rwy. Co. ....	do .....	10.87
	Grand Rapids and Indiana Rwy. Co. ....	do .....	4.26
	Great Northern Rwy. Co. ....	do .....	22.70
	do .....	do .....	18.97
	Denver and Rio Grande R. R. Co. ....	do .....	14.00
	Chicago and Northwestern Rwy. Co. ....	do .....	38.00
	The Missouri Pacific Rwy. Co. ....	do .....	5.80
	The Lake Shore and Michigan Southern Rwy. Co. ....	do .....	6.50
Aug. 1	S. W. Halsey .....	Services .....	69.20
	W. J. Northern .....	do .....	180.00
2	J. E. Rickards .....	Traveling expenses .....	1.50
3	The Chesapeake and Potomac Telephone Co. ....	Telephone service .....	1.17
	do .....	do .....	6.25
16	Western Union Telegraph Co. ....	Telegraph service .....	15.41
17	American Grocer .....	Subscription for one year .....	3.00
	Comtelburo (Limited) .....	do .....	8.52
	Lamb & Tilden .....	Ink .....	6.00
18	Fruit World Publishing Co. ....	Subscription .....	1.00
	Willett & Gray .....	do .....	15.00
22	L. F. Sloan .....	Salary .....	24.70
Sept. 19	Hocking Valley Rwy. Co. ....	Passenger transportation .....	3.70
	Minneapolis, St. Paul and Sault Ste. Marie Rwy. ....	do .....	2.45
	St. Louis and San Francisco R. R. Co. ....	do .....	27.51
	Morgan's Louisiana and Texas R. R. and S. S. Co. ....	do .....	10.85
	Chicago, St. Paul, Minneapolis and Omaha Rwy. ....	do .....	8.65
	Michigan Central R. R. Co. ....	do .....	3.80
	Louisville and Nashville R. R. Co. ....	do .....	14.85
	New Orleans and Northwestern R. R. Co. ....	do .....	9.60
	Michigan Central R. R. Co. ....	do .....	3.20

Expenditures of the Department of Agriculture for fiscal year ending June 30, 1904—Cont'd.

## COLLECTING AGRICULTURAL STATISTICS—Continued.

Date.	Name.	Nature of payment.	Total.
1904.			
Sept. 19	Grand Rapids and Indiana Rwy. Co.....	Passenger transportation.....	\$4.26
	.....do.....	.....do.....	3.60
	.....do.....	.....do.....	12.12
	Great Northern Rwy. Co.....	.....do.....	18.55
	Gulf, Colorado and Santa Fé Rwy. Co.....	.....do.....	3.15
	Houston East and West Texas Rwy. Co.....	.....do.....	6.95
	Union Pacific R. R. Co.....	.....do.....	31.69
	The Missouri Pacific Rwy. Co.....	.....do.....	27.19
	Northern Pacific Rwy. Co.....	.....do.....	21.90
	Cleveland, Cincinnati, Chicago and St. Louis Rwy.	.....do.....	11.53
	Chicago, Milwaukee and St. Paul Rwy. Co. . .	.....do.....	10.80
	Pittsburg, Cincinnati, Chicago and St. Louis Rwy. Co.	.....do.....	3.90
	Cleveland, Cincinnati, Chicago and St. Louis Rwy.	.....do.....	3.40
	Chicago and Northwest Rwy. Co.....	.....do.....	9.13
	International and Great Northern R. R. Co. . .	.....do.....	3.40
	Missouri, Kansas and Texas Rwy. Co. of Texas.	.....do.....	3.00
	Chicago and Northwestern Rwy. Co.....	.....do.....	7.80
	Chicago, Rock Island and Pacific Rwy. Co.....	.....do.....	34.67
	.....do.....	.....do.....	17.25
	Burlington and Missouri River R. R. in Ne- braska.	.....do.....	4.07
	Oregon Short Line R. R. Co.....	.....do.....	19.60
	The Chicago, Burlington and Quincy Rwy. Co.	.....do.....	55.05
	Denver and Rio Grande R. R. Co.....	.....do.....	14.00
	The Atchison, Topeka and Santa Fé Rwy. . .	.....do.....	23.81
	.....do.....	.....do.....	13.85
	The Texas Pacific Rwy. Co.....	.....do.....	9.60
	Baltimore and Ohio R. R. Co.....	.....do.....	6.73
	.....do.....	.....do.....	17.24
	.....do.....	.....do.....	13.10
	The Pullman Co.....	.....do.....	2.50
	.....do.....	.....do.....	64.50
	.....do.....	.....do.....	13.50
	.....do.....	.....do.....	8.50
	The Wabash R. R. Co.....	.....do.....	42.75
	.....do.....	.....do.....	9.70
	.....do.....	.....do.....	4.45
	The Chesapeake and Ohio Rwy. Co.....	.....do.....	6.70
	.....do.....	.....do.....	43.70
	The Lake Shore and Michigan Southern Rwy. Co.	.....do.....	3.25
	Southern Rwy. Co.....	.....do.....	27.50
	Pere Marquette R. R. Co.....	.....do.....	8.82
	The Yazoo and Mississippi Valley R. R. Co. . .	.....do.....	6.80
	The Lake Shore and Michigan Southern Rwy. Co.	.....do.....	13.50
20	Harris & Shafer Co.....	Repairs to clock.....	1.60
	Adams Express Co.....	Transportation.....	2.55
24	The Chesapeake and Ohio Rwy. Co.....	Passenger transportation.....	6.70
	Western Union Telegraph Co.....	Telegraph service.....	19.64
	Total.....		2,755.27

## RECAPITULATION.

Total first quarter .....	\$16,407.11
Total second quarter .....	32,564.20
Total third quarter .....	22,816.47
Total fourth quarter .....	27,320.24
Total supplemental .....	2,755.27
Total .....	101,863.29

158 EXPENDITURES IN DEPARTMENT OF AGRICULTURE.

*Expenditures of the Department of Agriculture for fiscal year ending June 30, 1904—Cont'd.*

PAID BY UNITED STATES TREASURY.

Date.	Name.	Nature of payment.	Total.
1903. Nov. 10	Pennsylvania R. R. Co.....	Passenger transportation.....	\$78.25
1904. Jan. 15	The Public Printer.....	Printing Crop Report.....	665.40
	Southern Pacific Co.....	Passenger transportation.....	24.73
Feb. 17	.....do.....	.....do.....	67.35
Sept. 8	.....do.....	.....do.....	80.00
	Total.....	.....	915.73

COLLECTING AGRICULTURAL STATISTICS—1903-4.

1903. July 1	B. C. White.....	Salary.....	\$182.00
	J. S. Charlton.....	.....do.....	182.00
	T. B. Baldwin.....	.....do.....	182.00
27	S. D. Fessenden.....	Traveling expenses.....	58.06
Aug. 14	T. B. Baldwin.....	.....do.....	149.19
	Total first quarter.....	.....	753.25
Oct. 10	Stephen D. Fessenden.....	Traveling expenses.....	99.66
Nov. 7	.....do.....	.....do.....	156.85
Dec. 10	.....do.....	.....do.....	140.68
22	.....do.....	.....do.....	59.05
	Total second quarter.....	.....	456.24
1904. Jan. 25	Great Northern Rwy. Co.....	Passenger transportation.....	25.80
Feb. 18	The Oregon R. R. and Navigation Co.....	.....do.....	11.55
Mar. 31	John J. Rosa.....	Services.....	75.00
	H. W. Vail.....	.....do.....	75.00
	E. D. Howe.....	.....do.....	75.00
	D. E. Morton.....	.....do.....	75.00
	E. C. Hutchinson.....	.....do.....	75.00
	John T. Cox.....	.....do.....	75.00
	Edward Wiggin.....	.....do.....	75.00
	Geo. E. Adams.....	.....do.....	75.00
	Chas. L. Gold.....	.....do.....	75.00
	William Nelson.....	.....do.....	100.00
	S. J. Seal.....	.....do.....	112.50
	A. M. Hawley.....	.....do.....	112.50
	Geo. W. Perry.....	.....do.....	112.50
	Jas. A. Hayden.....	.....do.....	112.50
	Fred. E. Brooks.....	.....do.....	125.00
	O. B. Lovette.....	.....do.....	125.00
	C. W. Burkett.....	.....do.....	125.00
	J. J. Corley.....	.....do.....	125.00
	McKenzie R. Todd.....	.....do.....	125.00
	C. D. Boardman.....	.....do.....	150.00
	M. T. Lightner.....	.....do.....	150.00
	E. E. Kaufman.....	.....do.....	150.00
	E. F. Scherbel.....	.....do.....	150.00
	C. H. Morse.....	.....do.....	150.00
	R. H. Thomas.....	.....do.....	150.00
	Wells W. Miller.....	.....do.....	200.00
	T. J. Anderson.....	.....do.....	200.00
	W. C. Duncan.....	.....do.....	200.00
	John Cownie.....	.....do.....	200.00
	Sarah K. Harwood.....	.....do.....	200.00
	Total third quarter.....	.....	3,787.35

RECAPITULATION.

Total first quarter.....	\$753.25
Total second quarter.....	456.24
Total third quarter.....	3,787.35
Total.....	4,996.84



Expenditures of the Department of Agriculture for fiscal year ending June 30, 1904—Cont'd.

FOREIGN MARKETS.

Date.	Name.	Nature of payment.	Total.
1903.			
July 31	F. M. Dearing et al.	Salaries	\$494.82
Aug. 17	Library Bureau	Scrapbooks	6.00
31	F. M. Dearing et al.	Salaries	478.41
Sept. 30	do.	do	464.80
	Total first quarter		1,444.03
Oct. 24	Keystone Type Foundry	Type	191.02
31	F. M. Dearing et al.	Salaries	472.60
Nov. 4	Southern Printers' Supply Co	Cases, etc.	10.80
	do.	Mailing machine, etc.	120.34
7	Remington Typewriter Co.	Roller	2.45
13	Southern Printers' Supply Co	Quads	28.05
	F. W. Dearing et al.	Salaries	464.80
Dec. 2	Southern Printers' Supply Co.	Type	4.06
10	do.	do	10.20
17	Keystone Type Foundry	do	7.77
28	Inland Type Foundry	do	9.40
31	F. M. Dearing et al.	Salaries	472.60
	Total second quarter		1,794.09
1904.			
Jan. 8	George K. Holmes	Traveling expenses	99.25
16	Keystone Type Foundry	Type	8.88
26	Frank R. Rutter	Traveling expenses	70.00
31	F. M. Dearing et al.	Salaries	486.40
Feb. 29	do.	do	467.20
Mar. 28	Estate of John C. Parker	Record paper	18.00
31	E. S. Newman	Cleaning machine, etc.	10.50
	F. M. Dearing et al.	Salaries	486.40
	Total third quarter		1,646.63
Apr. 9	E. S. Newman	Repairs to machine	20.50
	W. B. Moses & Sons	Units	88.25
12	Union Envelope Co.	Envelopes	7.70
	Grant Carpenter	Repairing	25.00
20	Inland Type Foundry	Quads	47.00
	American Type Founders' Co.	Type	16.85
25	Wm. H. Rupp Co.	Paper	3.75
30	F. M. Dearing et al.	Salaries	651.60
May 11	E. G. Ward	Traveling expenses	61.05
16	Mary E. Parker, executrix	Pair knives	.65
26	Swayze, Bailey & Co.	Paper	15.00
31	F. M. Dearing et al.	Salaries	666.80
June 3	R. Carter Ballantyne	Envelopes, etc.	19.56
8	E. G. Ward	Traveling expenses	167.23
11	Grant Carpenter	Repairs to arithmometer	25.00
	do.	do	25.00
20	Adams Express Co.	Transportation	2.25
	The Chesapeake and Potomac Telephone Co.	Telephone service	1.20
30	F. M. Dearing et al.	Salaries	532.60
	Total fourth quarter		2,376.72
July 30	Gulf, Colorado and Santa Fe Rwy. Co.	Passenger transportation	12.30
	Chesapeake S. S. Co.	do	3.00
	Norfolk and Washington, D. C., S. B. Co.	do	3.00
	do.	do	3.00
	New York, New Haven and Hartford R. R. Co.	do	5.00
Aug. 17	Wm. H. Rupp Co.	Paper	25.00
18	Maine Steamship Co.	Passenger transportation	6.00
27	R. Carter Ballantyne	Envelopes	13.20
Sept. 14	U. S. Express Co.	Transportation	1.15
	do.	do	1.15
19	Atlantic Coast Line R. R. Co.	Passenger transportation	17.45
	Pennsylvania R. R. Co.	do	6.50
	The Chesapeake and Ohio Rwy. Co.	do	49.75
	Boston and Maine R. R.	do	2.50
	Louisville and Nashville R. R. Co.	do	7.83
20	Adams Express Co.	Transportation	2.40
	Total		158.78

Expenditures of the Department of Agriculture for fiscal year ending June 30, 1904—Cont'd.

RECAPITULATION.

Total first quarter .....	\$1,444.03
Total second quarter .....	1,794.09
Total third quarter .....	1,646.63
Total fourth quarter .....	2,376.72
Total supplemental .....	158.73
<b>Total .....</b>	<b>7,420.20</b>

LIBRARY.

Date.	Name.	Nature of payment.	Total.
1903.			
July 16	Municipal Journal Publishing Co. ....	Subscription .....	\$3.00
	Scientific American Club .....	Encyclopedia .....	9.50
	Lemcke & Buechner .....	Reference books .....	27.29
	Out West Co. ....	Book .....	1.00
	Gustav E. Stechert .....	.....do .....	10.15
	Dodd, Meade & Co. ....	Encyclopedia .....	33.60
	R. B. Mosher .....	Executive Register, United States .....	2.00
20	J. F. Monaghan .....	Book .....	.82
	J. G. Lay .....	.....do .....	1.00
	Jno. Barrow .....	.....do .....	4.87
22	Lemcke & Buechner .....	.....do .....	60.00
27	H. C. Patterson .....	Books .....	25.00
31	M. N. Barnard et al. ....	Salaries .....	129.26
Aug. 4	W. H. Loudermilk & Co. ....	Subscription to Railway Guide .....	8.00
17	P. B. Hoeber .....	Book .....	.75
	E. G. Love .....	.....do .....	.75
	The University of Chicago Press .....	.....do .....	.40
	American Trotting Register Association .....	.....do .....	2.00
	American Field Publishing Co. ....	.....do .....	.10
	.....do .....	.....do .....	2.00
	G. E. Stechert .....	Books .....	10.88
	T. H. Castor & Co. ....	.....do .....	13.04
	Lemcke & Buechner .....	.....do .....	106.00
	.....do .....	.....do .....	33.90
	.....do .....	.....do .....	34.86
19	Bernard Quaritch .....	.....do .....	294.00
	Wm. Wesley & Son .....	.....do .....	126.10
	John K. Small .....	Book .....	3.60
20	Wm. Brough & Sons .....	Books .....	40.14
26	Thos. Howell .....	.....do .....	3.00
28	Lemcke & Buechner .....	.....do .....	346.80
31	M. N. Barnard et al. ....	Salaries .....	134.20
Sept. 10	Wm. Ballantyne & Sons .....	Dictionary .....	9.25
	Lemcke & Buechner .....	Journal .....	7.65
11	C. L. Pollard .....	Book .....	1.00
	University of Pennsylvania Press .....	Books .....	4.67
17	Lemcke & Buechner .....	.....do .....	1,195.90
	Office of the Publisher's Weekly .....	.....do .....	3.50
24	G. E. Stechert .....	.....do .....	16.27
	.....do .....	.....do .....	7.60
	Paul Klincksieck .....	.....do .....	21.80
	Dodd, Meade & Co. ....	International Year Book .....	6.50
	The Sun Printing and Publishing Association .....	Subscription .....	8.00
	Brentano's .....	Book .....	2.70
	Gaylord Bros. ....	Paper .....	1.25
	J. H. Bowman .....	Subscription .....	1.00
30	M. N. Barnard et al. ....	Salaries .....	155.54
	<b>Total first quarter .....</b>		<b>2,910.24</b>
Oct. 12	Lamb & Tilden .....	Ink .....	.67
14	Smithsonian Institution .....	Catalogue .....	4.25
	National Geographic Society .....	Magazine .....	7.50
	G. E. Stechert .....	Book .....	4.40
	Scientific American Club .....	Encyclopedia .....	9.50
22	Lemcke & Buechner .....	Books .....	56.85
23	Gustav E. Stechert .....	.....do .....	31.41
	.....do .....	.....do .....	33.74
	.....do .....	.....do .....	1.26
	Wm. Wesley & Son .....	.....do .....	20.26
	.....do .....	.....do .....	39.45
	.....do .....	.....do .....	34.21
	.....do .....	.....do .....	29.54
	Wisconsin Farmer Co. ....	.....do .....	4.10
	Josephine Klippart .....	.....do .....	14.50
	H. Clay Crawford .....	.....do .....	1.00
	Martinus Nyhoff .....	.....do .....	101.15
	Leary, Stuart & Co. ....	.....do .....	.64
	E. T. Cresson .....	.....do .....	2.00

Expenditures of the Department of Agriculture for fiscal year ending June 30, 1904—Cont'd.

LIBRARY—Continued.

Date.	Name.	Nature of payment.	Total.
1903.			
Oct. 23	Romeyn B. Hough	Books	85.00
	Spou & Chamberlain	do	19.50
	W. Junk	do	38.27
	H. E. Hooper	do	9.30
	Edw. L. Greene	do	1.00
24	Lemcke & Buechner	do	25.85
31	M. L. Sewall et al.	Salaries	136.81
Nov. 30	do	do	131.60
Dec. 1	Brentano's	Year Book	2.70
2	W. W. Karr	Books	6.70
	Lemcke & Buechner	do	13.44
	do	do	14.15
Dec. 1	Lemcke & Buechner	do	23.16
	do	do	90.35
	C. M. Parker	do	50
	Lord & Nagle Co.	Textile World Record	3.00
3	The Lawyers' Cooperative Publishing Co.	Digest	6.00
10	F. V. Coville	Book	12.06
11	Wm. Ballantyne & Sons	Books	38.30
14	Chas. E. Lauriat Co.	do	2.82
	August R. Ohman	Map	4.00
	Dodd, Mead & Co.	Subscription to Bibliographer	5.00
	T. H. Castor & Co.	Book	6.52
	Scientific American Club	Encyclopedia	4.75
	Linneau Society of London	Catalogue	1.25
	Lemcke & Buechner	Foreign Publications	72.50
16	The Arthur H. Clark Co.	Book	4.25
	W. J. Holland	do	4.00
17	House and Garden	do	50
	U. P. Hedrick	do	75
	Lemcke & Buechner	Books	42.96
	do	do	9.30
	W. Junk	do	21.00
	West Publishing Co.	do	4.00
	do	do	17.50
	Gustav E. Stechert	do	10.25
	G. E. Stechert	do	74.25
	do	do	7.20
31	M. L. Sewall et al.	Salaries	134.20
	Total second quarter		1,401.12
1904.			
Jan. 12	W. H. Lowdermilk & Co.	Books	340.66
14	The Arthur H. Clark Co.	Book	1.50
	W. A. Kellerman	do	1.00
	Municipal Journal Publishing Co.	do	3.00
	J. Thos. Heflin	do	2.00
	H. C. Patterson	Books	23.50
	Chas. E. Lauriat Co.	do	2.49
16	Gustav E. Stechert	do	9.13
	Lemcke & Buechner	do	14.63
18	Brentanos	do	4.80
	R. P. Andrews & Co.	Trunk board	11.40
	Coach and Saddle Publishing Co.	Book	5.00
26	John C. Parker	Guide	3.50
	W. H. Lowdermilk & Co.	Books	2.60
	W. A. Kellerman	do	2.00
	Library Bureau	Stacks	420.00
	Wm. Ballantyne & Sons	Books	54.50
	Lemcke & Buechner	do	79.10
	do	do	58.55
	do	do	40.70
	Floral Life Publishing Co.	Subscription	1.00
	A. L. A. Publishing Board	Cards	1.32
	L. M. Underwood	Index	11.69
	H. N. Patterson	Cards	22.50
	Charles Evans	Book	15.00
	E. Nourry	do	1.25
	The H. W. Wilson Co.	do	6.25
	Dodd, Mead & Co.	do	16.18
	American Society Civil Engineers	do	7.27
	The Midget Novelty Co.	Stapling machine	4.25
	Municipal Engineering Co.	Books	4.00
29	Out West Co.	"Out West"	2.00
	Lea Bros. & Co.	Books	6.25
	Joseph Baer & Co.	do	7.21
	The Arthur H. Clark Co.	do	2.50
	Lemcke & Buechner	do	12.46



*Expenditures of the Department of Agriculture for fiscal year ending June 30, 1904—Cont'd.*

## LIBRARY—Continued.

Date.	Name.	Nature of payment.	Total.
1904.			
Jan. 29	Lemcke & Buechner.....	Books.....	\$28. 23
	John C. Parker.....	Directories.....	125. 00
	Smithsonian Institution.....	Book.....	4. 25
31	M. L. Sewall.....	Salary.....	85. 29
Feb. 9	Woodward & Lothrop.....	Dictionary, etc.....	10. 25
12	Gauthier Villars.....	Books.....	16. 40
	California Fruit Grower.....	California Fruit Grower, 1903.....	2. 00
	J. K. Small.....	Books.....	7. 20
	English Jersey Cattle Society.....	do.....	16. 65
	Samuel N. Rhoads.....	do.....	4. 00
23	Scientific American Club.....	Encyclopedia.....	4. 75
	Samuel N. Rhoads.....	Book.....	2. 50
	Gustav E. Stechert.....	Books.....	9. 43
	Wm. Wesley & Son.....	do.....	194. 20
	Gustav E. Stechert.....	do.....	4. 93
	do.....	do.....	16. 19
	do.....	do.....	4. 55
	do.....	do.....	7. 89
	Cooper Ornithological Club.....	do.....	2. 00
	A. Hermann.....	do.....	54. 20
29	M. L. Sewall.....	Salary.....	79. 60
Mar. 3	Charles L. Pollard.....	Book.....	1. 50
4	Emil Bargmann.....	do.....	10. 00
21	I. D. Seabrook.....	Books.....	5. 00
	Callaghan & Co.....	do.....	6. 00
	Doubleday, Page & Co.....	do.....	3. 00
	The A. H. Clark Co.....	do.....	2. 50
	Lemcke & Buechner.....	do.....	31. 80
22	U. S. Hydrographic Office.....	Publications.....	3. 30
	Wm. Ballantyne & Sons.....	Books.....	70. 21
24	Frank P. Bennett.....	Publication.....	1. 00
	Library Bureau.....	Order slips.....	4. 00
	C. Peltenberger.....	Book.....	3. 13
	Sportsmens' Review Publishing Co.....	Books.....	6. 75
26	J. A. Clark.....	Traveling expenses.....	24. 60
29	H. Dessain.....	Books.....	8. 00
	Torrey Botanical Club.....	Memoirs.....	15. 00
31	Smithsonian Institution.....	Book.....	4. 95
	University Press, John Wilson & Son (Incorporated).....	Subscription.....	5. 00
	M. L. Sewall.....	Salary.....	\$85. 20
	Total third quarter.....		2,172. 17
Apr. 9	Brentanos (Incorporated).....	"Who's Who," 1904.....	1. 80
11	American Agriculturist.....	Year Book.....	1. 00
	The Field and Farm.....	Subscription.....	2. 00
12	West Publishing Co.....	Advance sheets.....	12. 00
	University of Pennsylvania Press.....	Medical Bulletin.....	2. 00
	Gustav E. Stechert.....	Books.....	11. 67
	do.....	do.....	22. 25
	Scientific American Club.....	Encyclopedia.....	4. 75
	Lemcke & Buechner.....	Books.....	55. 36
	do.....	do.....	13. 20
18	R. R. Bowker.....	Publication.....	3. 50
	Carnegie Institute of Washington.....	do.....	5. 00
	A. Hermann.....	do.....	10. 64
	National Geographic Society.....	Subscription.....	2. 50
	Woodward & Lothrop.....	Book.....	10. 00
19	The Academy of Natural Sciences.....	Books.....	27. 50
	Dulan & Co.....	do.....	6. 10
25	R. Friedlander & Sohn.....	do.....	222. 19
	Bank Law Publishing Co.....	do.....	6. 00
	Wm. J. Gerhard.....	do.....	13. 00
	Holstein Friesian Register.....	do.....	4. 00
28	G. E. Stechert.....	do.....	17. 00
	A. Hermann.....	do.....	15. 81
30	M. L. Sewall.....	Salary.....	82. 40
May 4	Eveline E. Stricker.....	Book.....	. 75
	Lemcke & Buechner.....	Books.....	17. 76
	R. R. Bowker.....	Catalogues.....	5. 50
	Library Bureau.....	Trays, etc.....	7. 25
	Midland Publishing Co.....	Subscription.....	2. 00
	R. L. Poik & Co.....	Register.....	10. 00
	New England Botanical Club.....	Subscription.....	1. 00
	The Academy of Natural Sciences.....	Books.....	25. 00
12	Annie Morrill Smith.....	Subscription.....	1. 00
	Dodd, Mead & Co.....	Encyclopedia.....	16. 80
	Gaylord Bros.....	Adhesive paper.....	1. 50

Expenditures of the Department of Agriculture for fiscal year ending June 30, 1904—Cont'd.

LIBRARY—Continued.

Date.	Name.	Nature of payment.	Total.
1904.			
May 12	Scientific American Club	Encyclopedia	\$14.25
	Gustav E. Stechert	Books	24.50
13	The Boston Journal of Commerce Publishing Co.	Subscription	1.02
	J. N. Rose	Books	7.25
18	G. A. Poynder	do.	23.96
19	Brentanos (Incorporated)	Statesmans Year Book	2.70
	John Wiley & Sons	Books	10.32
20	Lemcke & Buechner	do.	24.08
	J. M. Westgate	do.	2.00
	West Publishing Co.	do.	8.25
	G. A. Poynder	do.	22.62
24	B. L. Robinson	Card index	18.81
	The Arthur H. Clark Co.	Book	2.50
26	Polman Mooy	Album	45.00
31	M. L. Sewall	Salary	85.20
June 3	Chas. E. Goodspeed	Books	2.00
	Gustav E. Stechert	do.	92.95
11	do.	do.	329.21
	do.	Newspapers	4.80
20	Brentanos (Incorporated)	Books	2.50
	W. H. Lowdermilk & Co.	do.	1.95
	do.	do.	186.04
	Crane & Co.	do.	2.00
	Eyre & Spottiswoode	do.	18.49
	Wm. Ballantyne & Sons	do.	17.00
	American Jersey Cattle Club	do.	3.00
	American Ornithologists' Union	do.	7.75
	Chas. E. Lauriat Co.	do.	4.50
	Geo. F. Lasher	Guide	2.50
	The Lawyers' Cooperative Publishing Co.	Books	18.00
	Paul Klincksieck	do.	32.50
	P. S. King & Son	do.	2.06
	West Publishing Co.	Reporter, etc	7.50
	The H. W. Wilson Co.	Books (indexes)	9.25
	Wm. Wesley & Son	do.	141.40
	Gustav E. Stechert	do.	27.72
	Edgar Marburg	Programme timber tests	8.75
	G. A. Poynder	Book	1.20
	Scientific American Club	Books	14.25
	J. Schlesinger	do.	1.32
29	Smithsonian Institution	Zoology	9.00
	Swayze, Bailey & Co.	Guides	16.00
	R. Friedlander & Sohn	Books	12.80
	Entomological Society of Ontario	"The Canadian Entomology"	1.00
	The Cassier Magazine Co.	Subscription	.75
	Wm. Wesley & Son	Books	23.30
	I. D. Seabrook	do.	1.50
	National Railway Publishing Co.	Guide	8.00
	Edw. J. Nolan	Book	2.50
	Total, fourth quarter		1,939.18
	<i>Supplemental.</i>		
1904.			
July 1	M. L. Sewall	Salary	82.40
2	E. W. Brown	Text-book	8.43
7	Church & Stephenson	Lumber	82.65
19	R. Friedlander & Sohn	Books	41.65
	do.	do.	26.82
	John Grant	do.	9.00
	W. Junk	do.	17.70
19	Chas. B. Hewitt	Book	20.00
	Lemcke & Buechner	Books	221.23
	Library Bureau	Cards	26.70
	G. E. Stechert	Publications	318.75
	Wm. Wesley & Son	do.	31.26
	Yawman & Erbe Manufacturing Co.	Cloth boxes	1.50
20	Wm. Ballantyne & Sons	Books	22.19
	do.	do.	66.80
	do.	do.	1.20
	W. H. Lowdermilk & Co.	do.	23.30
Aug. 17	A. L. A. Publishing Board	Cards	.20
18	G. E. Stechert	Chicago Record-Herald and Iowa State Register	4.80
	do.	Publications	24.29
29	Industrial Record	Subscription	2.00
	Total		1,032.87

*Expenditures of the Department of Agriculture for fiscal year ending June 30, 1904—Cont'd.*

RECAPITULATION.

Total, first quarter .....	\$2,910.24
Total, second quarter .....	1,401.12
Total, third quarter .....	2,172.17
Total, fourth quarter .....	1,939.18
Supplemental .....	1,032.87
<b>Total.....</b>	<b>9,455.58</b>

CONTINGENT EXPENSES.

Date.	Name.	Nature of payment.	Total.
1903.			
July 13	The Smith Premier Typewriter Co .....	Typewriter .....	\$90.00
15	E. F. Vermillion .....	Inspecting boilers .....	20.00
16	P. G. Reed .....	Roach destroyer .....	26.40
	The Grove Lime and Coal Co .....	Fire brick .....	15.00
20	James Wilson .....	Traveling expenses .....	43.33
25	Washington city post-office .....	Postage stamps .....	500.00
	Emry Davis .....	Inkstands .....	43.20
	Robacher's Disinfectant Co .....	Disinfectant .....	15.00
	C. Becker .....	Hoof packing .....	6.00
	R. P. Clarke Co .....	Towels .....	78.00
	L. S. Depue .....	Hay, etc. .....	90.50
	James Halley et al .....	Salaries .....	258.00
Aug. 3	James Wilson .....	Traveling expenses .....	37.75
4	Wm. J. Zeh .....	Coal .....	4.16
	do .....	do .....	143.28
	Ferd. Hopp .....	Fly traps .....	4.80
	C. Becker .....	Stable supplies .....	16.40
7	J. Baumgarten & Sons .....	Recutting seal and repairs .....	29.00
10	R. P. Clarke Co .....	Toweling .....	53.88
12	J. C. Parker .....	Fountain pens, etc .....	218.85
	C. Becker .....	Fly nets, etc. .....	12.75
13	Harvard Laundry Co .....	Laundrying towels .....	33.02
	Theo. Schondan .....	Horseshoes .....	6.00
14	W. H. Rupp Co .....	Files .....	1.00
	American Writing Machine Co .....	Stand .....	4.00
15	Leidy S. Depue .....	Feed .....	49.50
	D. of C. Paper Manufacturing Co .....	Blotting paper .....	77.40
	James B. Lambie Co .....	Leather belt .....	3.30
	Lamb & Tilden .....	Dating stamps .....	7.00
	do .....	Daters .....	1.50
	National Electrical Supply Co .....	Fans, etc .....	83.16
	Hugh Reilly .....	Shellac .....	5.55
	do .....	Gasoline .....	2.40
17	J. H. Brigham .....	Traveling expenses .....	38.58
	The American News Co .....	Fasteners .....	10.25
	The Press Clipping Bureau .....	Clippings .....	25.00
	Yawman & Erbe Manufacturing Co .....	Guides .....	.25
18	Capital Traction Co .....	Car tickets .....	41.50
	R. Carter Ballantyne .....	Inkstands .....	8.28
	do .....	Envelopes .....	5.28
	Woodward & Lothrop .....	Cooler stand, etc .....	39.10
19	Yawman & Erbe Manufacturing Co .....	Sections .....	12.00
20	The Maurice Joyce Engraving Co .....	Plate .....	.50
	W. B. Moses & Sons .....	Shades, etc .....	77.37
	Ernest Betz .....	Repairs to roof .....	3.60
	Densmore Typewriter Co .....	Repairs to typewriter .....	4.90
	M. Du Perow .....	Fan blade .....	1.95
	Yawman & Erbe Manufacturing Co .....	Sections .....	45.75
	Leidy S. Depue .....	Oats, etc .....	32.50
25	Rudolph, West & Co .....	Hinges, etc .....	4.30
	Remington Typewriter Co .....	Typewriter and cover .....	92.25
	W. H. Rupp Co .....	Files, etc .....	56.50
	James S. Topham .....	Repairing mail bag .....	4.00
	Mackall Bros .....	Combs, etc .....	53.73
	American Ice Co .....	Ice .....	153.86
27	Clark & Davenport .....	Linoleum .....	59.36
	Thos. Somerville & Sons .....	Plugs, etc .....	1.88
	Agnes Hinton .....	Hemming towels .....	8.50
	Wm. J. Zeh .....	24 tons coal .....	138.00
	James Halley et al .....	Salaries .....	268.00
Sept. 1	James Wilson .....	Traveling expenses .....	57.75
4	Potomac Electric Power Co .....	Electric current .....	134.13
	Washington Gaslight Co .....	Gas .....	18.20
	The A. J. Joyce Carriage Co .....	Repairs to carriages .....	51.00
9	R. C. Ballantyne .....	Pens .....	41.60
	L. S. Depue .....	Oats, etc .....	120.00
10	W. H. Rupp Co .....	Seals .....	1.20
	E. G. Schafer & Co .....	Tees, etc .....	5.14
	do .....	Lead pipe, etc .....	13.10
	Remington Typewriter Co .....	Typewriter, etc .....	92.85



Expenditures of the Department of Agriculture for fiscal year ending June 30, 1904—Cont'd.

CONTINGENT EXPENSES—Continued.

Date.	Name.	Nature of payment.	Total.
1903.			
Sept. 10	Woodward & Lothrop.....	Desk, etc.....	\$56.98
	The C. J. McCubbin Co.....	Corner basin.....	17.50
	J. S. Topham.....	Case.....	6.50
	Queen & Co. (Incorporated).....	Soda.....	1.25
	Rudolph, West & Co.....	Nails, etc.....	42.96
11	M. P. Bush.....	Soap.....	30.00
	J. I. Holcomb Mfg. Co.....	Floor sweeps.....	37.00
	J. T. Walker Sons.....	Lime.....	2.50
	Harris & Shafer Co.....	Clock.....	8.40
	The J. A. Gray Co.....	Files.....	9.36
	J. Viehmyer & Son.....	Stone door sill.....	7.00
	W. J. Zeh.....	Coal.....	39.70
12	W. H. Dyer.....	Sash, etc.....	48.00
	.....do.....	Door, etc.....	28.00
	Theo. Schondan & Co.....	Horseshoes.....	7.50
	Agnes Hinton.....	Cloths for carriages.....	1.50
	T. R. Riley.....	Lumber.....	9.98
14	J. H. Brigham.....	Traveling expenses.....	32.82
	American Ice Co.....	Ice.....	142.62
18	Postal Telegraph Cable Co.....	Telegraph service.....	15.53
21	Church & Stephenson.....	Lumber.....	131.81
	R. Harris & Co.....	Clock.....	1.50
24	Jas. Wilson.....	Traveling expenses.....	128.15
	American Press Clipping Bureau.....	Clippings.....	8.08
28	Library Bureau.....	Cards.....	46.40
30	Jas. Halley et al.....	Salaries.....	155.00
	Total first quarter.....		4,718.33
Oct. 2	I. P. Roosa.....	Services.....	100.00
	Harvard Laundry Co.....	Washing towels.....	26.91
3	J. H. Brigham.....	Traveling expenses.....	12.05
8	John C. Parker.....	Envelopes.....	1,041.77
10	Washington Gaslight Co.....	Gas.....	16.90
	.....do.....	.....do.....	18.60
	Ernest Betz.....	Repairs.....	31.10
	.....do.....	.....do.....	28.00
	Harvard Laundry Co.....	Washing towels.....	31.69
	Wm. H. Rupp Co.....	Envelopes, etc.....	11.67
	Thos. Somerville & Sons.....	Repairs.....	40.24
	Potomac Electric Power Co.....	Electric current.....	132.37
	.....do.....	.....do.....	137.16
	The Geo. W. Knox Express Co.....	Transportation.....	4.10
	.....do.....	.....do.....	.70
12	Standard Oil Company.....	Oil.....	17.50
	E. G. Schafer & Co.....	Pipe, etc.....	4.10
	Lamb & Tilden.....	Repairs to machine.....	.50
	Hugh Reilly.....	Adelite.....	2.50
	.....do.....	.....do.....	1.35
	.....do.....	Varnish.....	6.80
	Chas. R. Edmonston.....	Pan.....	.25
	Instantaneous Fire Alarm Co.....	Rent.....	10.00
	Harris & Shafer Co.....	Clocks.....	16.40
	C. Becker.....	Dressing, etc.....	6.2
	.....do.....	Braces, etc.....	18.22
	.....do.....	Stable supplies.....	14.35
	T. W. Estler.....	Matches.....	1.75
	Kiasbey & Mattison Co.....	Covering.....	10.40
	E. S. Newman.....	Machine ribbon.....	1.50
	Wm. J. Zeh.....	Coal.....	55.30
	Leidy S. Depue.....	Feed.....	122.00
	Robt. Murphy.....	Wood.....	49.00
14	James B. Lambie Co.....	Pliers.....	4.23
	Manhattan Electric Supply Co.....	Electroliter.....	28.75
	American Ice Co.....	Ice.....	132.86
22	The American Press Clipping Bureau.....	Clippings.....	12.72
	J. H. Bunnell & Co.....	Brackets and sockets.....	14.75
23	John D. Galloway.....	Fan switches.....	3.00
	Woodward & Lothrop.....	Desks, etc.....	99.59
	C. Becker.....	Repairs.....	5.40
	Thos. Somerville & Sons.....	Traps, etc.....	25.70
	Rudolph, West & Co.....	Brooms, etc.....	41.10
	R. P. Andrews & Co. (Incorporated).....	Paper.....	16.40
	National Electrical Supply Co.....	Wire, etc.....	13.51
	Theo. Schondan & Co.....	Horseshoes.....	7.50
	Pearre E. Crawl Co.....	Stamp, rubber.....	68.10
	Kellogg Switchboard and Supply Co.....	Coils, etc.....	11.00
	.....do.....	Cards.....	1.58
	U. S. Envelope Co.....	Envelopes.....	53.50

Expenditures of the Department of Agriculture for fiscal year ending June 30, 1904—Cont'd.

## CONTINGENT EXPENSES—Continued.

Date.	Name.	Nature of payment	Total.
1903.			
Oct. 23	U. S. Envelope Co.	Envelopes	\$44.00
27	Jasper Wilson	Traveling expenses	3.80
28	The Chesapeake and Potomac Telephone Co.	Telephone service	6.25
	do	do	78.25
	E. S. Newman	Paper for adding machine	2.25
	Lamb & Tilden	Daters	3.00
	J. E. Bromwell & Sons	Plating	5.00
	W. B. Moses & Sons	Furniture	125.40
	R. Carter Ballantyne	Pens, etc.	170.51
31	Pennsylvania R. R. Co.	Passenger transportation	25.00
	The Pullman Co.	do	5.00
	Jas. Halley et al.	Salaries	256.00
Nov. 7	Robt. Murphy	Wood	49.00
10	James Wilson	Traveling expenses	98.85
13	R. P. Andrews & Co. (Incorporated)	Clips	15.98
	Wm. J. Zeh	Coal	557.94
	Forsberg & Murray	Bar	4.76
	Giddings & Steele	Rugs	74.40
19	F. L. Evans	Traveling expenses	62.15
	Harvard Laundry Co.	Washing towels	35.17
20	New York Cycle Co.	Bicycle	66.50
	Old Dominion Paper Co.	Memoranda books	10.32
	J. H. Brigham	Traveling expenses	5.05
	The Grove Lime and Coal Co.	Fire clay	3.05
21	Thos. E. Trazzare	Repairing carriage	59.25
	W. H. Rupp Co.	Ink, etc.	44.04
	Mackall Bros.	Camphor	7.50
	R. P. Andrews & Co. (Incorporated)	Clips, etc.	12.29
	do	Envelopes	168.96
	Potomac Electric Power Co.	Electric light	7.75
	do	do	99.67
	Washington Gas Light Co.	Gas	20.20
23	Yawman & Erbe Manufacturing Co.	Cards	1.75
	do	Sections, etc.	20.50
	Eberhard Faber	Erasers, etc.	43.16
	do	Bands	234.72
	American Press Clipping Bureau	Clippings	11.53
	Library	Cards, etc.	21.75
	The Okonite Co. (Limited)	Wire	10.50
	The Hoggson & Pettie Manufacturing Co.	Copying sheets, etc.	13.12
24	Leidy S. Depue	Feed	101.00
	do	do	87.50
	D. Frank Parker	Carbon paper, etc.	59.50
30	Jas. Halley et al.	Salaries	155.00
Dec. 1	Lamb & Tilden	Ink	13.50
	Geo. F. Muth & Co.	Lead, etc.	94.06
	Remington Typewriter Co.	Repairs	.50
	E. S. Newman	Iron tables	10.00
	do	Ribbon	1.50
	The A. J. Joyce Carriage Co.	Repairs	8.75
	E. G. Schafer & Co.	Fittings	15.33
	do	do	34.04
	The Smith-Premier Typewriter Co.	Brushes	6.70
	Rudolph, West & Co.	Hardware	34.56
	Thos. Somerville & Sons	Trap, etc.	4.87
	Wm. H. Rupp Co.	Paper weights	7.00
	do	Bristol board	2.50
	National Electrical Supply Co.	Repairs	2.25
	James B. Lambie Co.	Brooms, etc.	36.69
	Densmore Typewriter Co.	Repairs	.70
	do	do	5.05
	Wm. J. Zeh	Coal	31.25
	do	do	554.98
	Capital Traction Co.	Tickets	10.00
2	Kellogg Switchboard and Supply Co.	Wire	.70
	C. Schneider's Sons	Lock	8.00
	K. Kneesi Sons	Case	3.00
	W. T. Gallihier & Bro.	Hickory	1.62
	E. B. Adams Co.	Iron tub	1.60
	American Press Clipping Bureau	Clippings	2.07
	C. Becker	Supplies for carriage house	21.65
	C. C. Williams	Section	9.00
	American Ice Co.	Ice	123.79
	Washington city post-office	Stamps	500.00
10	J. T. Thomson	Stamping stationery	30.00
11	M. Du Perow	Electrical supplies	15.00
	D. Frank Parker	Typewriting paper	207.15
12	James Wilson	Traveling expenses	23.90
14	National Electrical Supply Co.	Sockets, etc.	9.00
	Leidy S. Depue	Feed	120.62

Expenditures of the Department of Agriculture for fiscal year ending June 30, 1904—Cont'd.

## CONTINGENT EXPENSES—Continued.

Date.	Name.	Nature of payment.	Total.
1903.			
Dec. 14	Lutz & Co.	Harness	\$62.50
	Wm. Seely Hutchinson	Tiling	59.50
	P. H. Heiskell, jr., & Co.	Canvas	12.00
	J. B. Kendall	Currie pads	10.60
	J. Baumgarten & Sons	Daters	21.60
	Wm. J. Zeh	Coal	276.50
	.....do.....	.....do.....	553.49
	The Okonite Co. (Limited)	Wire	10.00
	Burrelles Press Clipping Bureau	Clippings	17.50
16	Harvard Laundry Co.	Washing towels	32.74
17	American Ice Co.	Ice	88.25
	R. Carter Ballantyne	Pens, etc.	46.60
	W. H. Rupp Co.	Pen racks	11.10
	Geo. F. Muth & Co.	Paint, etc.	3.88
	E. G. Schafer & Co.	Plumber's supplies	4.69
	Rudolph, West & Co.	Baskets, etc.	49.95
18	Pennsylvania R. R. Co.	Passenger transportation	111.50
	.....do.....	.....do.....	18.00
	.....do.....	.....do.....	18.00
	.....do.....	.....do.....	19.25
	.....do.....	.....do.....	19.50
	Pennsylvania Co.	.....do.....	59.00
	Chicago and North-Western Rwy. Co.	.....do.....	25.00
19	Robt. Murphy	Wood	122.50
21	John C. Parker	Stationery supplies	850.09
	Ernest Betz	Repairs	60.62
	J. T. Thomson	Cards	3.73
	Edward Hurdle	Repairs	9.60
23	Albert Kahler & Co.	Repairing rugs, etc.	97.90
	Fred. B. Miller & Bro.	Steel bearings	23.00
26	Theo. Schondan & Co.	Horseshoes	14.50
	.....do.....	.....do.....	14.25
28	Union Pacific R. R. Co.	Passenger transportation	50.60
29	M. Du Perow	Electrical supplies	15.10
	E. G. Schafer & Co.	Plumbers	25.45
	Thos. Somerville & Sons	.....do.....	21.99
	.....do.....	.....do.....	19.14
	Wm. J. Zeh	Coal	31.76
31	Jas. Halley et al.	Salaries	160.00
	Total second quarter		10,388.65
1904.			
Jan. 4	Clark & Davenport	Carpet, etc.	65.80
	.....do.....	.....do.....	174.58
5	J. H. Brigham	Traveling expenses	5.65
	I. P. Roosa	Services	100.00
7	Hugh Reilly	Paint	4.00
	James B. Lambie Co.	Hardware	26.73
	.....do.....	Iron, etc.	6.50
	Woodward & Lothrop	Table, etc.	24.21
	W. B. Moses & Sons	Furniture, etc.	414.48
	E. G. Schafer & Co.	Valves, etc.	12.39
	Remington Typewriter Co.	Adjusting typewriter	15.70
	Washington Gas Light Co.	Gas	29.90
	Potomac Electric Power Co.	Electric current	107.00
	W. B. Moses & Sons	Rug, etc.	62.15
8	P. H. Heiskell, jr., & Co.	Whip	1.00
	.....do.....	Pails	2.00
	Z. D. Gilman	Arnica	2.60
	W. B. Moses & Sons	Tables, etc.	88.95
	Woodward & Lothrop	Towels, etc.	164.38
	Mackall Bros.	Combs and soap	42.00
	Wm. H. Lacy	Plastering	26.48
	J. E. Hurley	Strap	1.25
	Church & Stephenson	Lumber	36.20
	Capital Traction Co.	Tickets	20.00
12	M. Du Perow	Electrical supplies	45.97
	Thos. R. Riley	Lumber	1.73
	.....do.....	.....do.....	1.16
	Wm. H. Dyer	Door	3.00
	Geo. W. Millar & Co.	Manila paper	250.00
	D. N. Walford	Black jacks	3.00
	John C. Rau	Wire	1.61
	Pope Manufacturing Co.	Tire, etc.	4.25
	Lamb & Tilden	Daters	7.00
	Wm. J. Zeh	Coal	31.76
	.....do.....	.....do.....	553.00
	.....do.....	.....do.....	31.25
14	Eberhard Faber	Rulers, etc.	121.81



Expenditures of the Department of Agriculture for fiscal year ending June 30, 1904—Cont'd.

## CONTINGENT EXPENSES—Continued.

Date.	Name.	Nature of payment.	Total.
1904.			
Jan. 16	I. P. Roosa	Expenses	\$86.28
18	American Ice Co.	Ice	74.59
	Johnson Brothers	Wood	16.47
	Instantaneous Fire Alarm Co.	Boxes	10.00
	Wm. J. Zeh	Coal	19.85
	do.	do.	397.85
	do.	do.	47.42
	Manhattan Electrical Supply Co.	Insulators	1.50
	Burrelles Press Clipping Bureau	Clippings	17.50
	J. H. Bunnell & Co.	Batteries	5.00
	American Electric Heater Co.	Heater, etc.	8.76
	Wolf Bros.	Envelopes	17.30
	The E. F. Brooks Co.	Mantles, etc.	4.80
20	Harvard Laundry Co.	Washing towels	40.27
	J. H. Brigham	Traveling expenses	13.25
25	Michigan Central R. R. Co.	Passenger transportation	16.25
	Union Pacific R. R. Co.	do.	17.06
	New York Central and Hudson River R. R. Co.	do.	10.48
	Pennsylvania R. R. Co.	do.	10.48
	Mineralized Rubber Co.	Hose	4.63
	The Okonite Co. (Limited)	Wire	12.50
26	John C. Parker	Stationery supplies	177.24
	do.	Knives	1.30
	Louis Hartig	Horseshoes and nails	28.63
	do.	do.	26.95
	do.	Horseshoes, etc.	15.50
	J. T. Walker Sons	Tar	.50
	Theo. Schondau	Horseshoes, etc.	16.25
	Church & Stephenson	Lumber	26.88
	Adams Express Co.	Transportation	14.10
	Leidy S. Depue	Feed	150.95
	Yawman & Erbe Manufacturing Co.	Index	2.00
	The Andrew J. Joyce Car Co.	Repairs to carriage	8.50
	Albert Kahlert & Co.	Sewing carpets	11.00
	Wm. J. Zeh	Coal	553.12
	D. Frank Parker	Typewriter paper, etc.	116.75
	Ernest Betz	Repairs	25.05
	do.	do.	42.55
	Giddings & Steele	Rugs	9.00
	Chas. R. Edmonston	Cuspidors, etc.	18.23
27	U. S. Envelope Co.	Envelopes	16.92
	The R. H. Smith Manufacturing Co.	Stamp handles	6.70
	J. P. Nawrath	Sponge	14.70
	Thos. Somerville & Sons	Packing	19.07
	Lamb & Tilden	Dating stamp	6.00
	M. Du Perow	Electric supplies	6.05
	Rudolph, West & Co.	Hardware	16.13
	James B. Lambie Co.	Packing, etc.	9.53
	Harris & Shafer Co.	Clock	8.40
	The J. C. Ergood Co.	Pearline	36.00
	Wm. J. Zeh	Coal	33.18
	C. Becker	Oil, etc.	7.97
	Densmore Typewriter Co.	Repairs to typewriter	10.00
	Geo. F. Muth & Co.	Fitches, etc.	3.09
	Potomac Electric Power Co.	Lamps	10.00
	do.	Electric current	103.41
29	Geo. F. Muth & Co.	Paints, oils, etc.	104.92
	Wm. H. Lacy	Plastering	10.00
	C. A. Muddiman & Co.	Radiators	3.85
31	Jas. Halley et al.	Salaries	161.80
Feb. 2	Geo. P. McCabe	Traveling expenses	6.90
	Washington City post-office	Stamps	500.00
	Washington Gas Light Co.	Gas	36.30
	Barber & Ross	Key blanks	.25
8	Leidy S. Depue	Feed	191.65
	The Chesapeake and Potomac Telephone Co.	Telephone service	78.25
	do.	do.	6.25
9	W. B. Moses & Sons	Mats	9.97
	Geo. F. Muth & Co.	Ink, etc.	13.50
	National Electrical Supply Co.	Electrical supplies	42.53
	do.	Sockets, etc.	12.02
	Rex Sanitary Appliance Co.	Disinfectors	15.20
	Fred. A. Schmidt	Sealing wax	.60
	Mackall Bros.	Soap	12.30
	Lamb & Tilden	Band daters	12.00
	Theo. Schondau	Horseshoes	30.50
	Woodward & Lothrop	Towels, etc.	224.77
	James B. Lambie Co. (Incorporated)	Hardware	5.84
	M. Du Perow	Electrical supplies	17.56
	District of Columbia Paper Manufacturing Co.	Blotting paper	0.477

Expenditures of the Department of Agriculture for fiscal year ending June 30, 1904—Cont'd.

## CONTINGENT EXPENSES—Continued.

Date.	Name	Nature of payment.	Total.
1904.			
Feb. 9	J. Baumgarten & Sons	Daters	\$21.60
	Ernest Betz	Covering door with tin	3.30
	Barber & Ross	Buckets	10.74
	Potomac Electric Power Co.	Electric current	125.96
	Washington Gas Light Co.	Gas	37.10
	Smithsonian Institution	Transportation exchanges	275.60
	The Geo. W. Knox Express Co.	Transportation	3.45
12	U. S. Envelope Co.	Envelopes	42.30
	Yawman & Erbe Manufacturing Co.	Cards	9.00
	The American News Co.	Paper folders	7.75
	J. P. Nawrath	Tape	15.20
	The Okonite Co. (Limited)	Wire	10.50
	do	do	13.75
17	The Chicago, Burlington and Quincy Rwy. Co.	Passenger transportation	20.00
18	The Pullman Co.	do	8.00
	do	do	26.50
	The Pennsylvania R. R. Co.	do	7.25
23	The Carter-Crume Co. (Limited)	Coal tickets	5.00
	Whitall, Tatum Co.	Asbestos board	2.50
	Yawman & Erbe Manufacturing Co.	Cards	8.75
	Burrelles Press Clipping Bureau	Clipping	17.50
24	National Electric Supply Co.	Wire	14.50
	Mineralized Rubber Co.	Hose	9.25
	Francis Miller	Glass	94.20
	Lamb & Tilden	Daters, etc.	11.56
	Wm. J. Zeh	Coal	553.00
	do	do	555.25
	American Ice Co.	Ice	67.28
	Barber & Ross	Scissors	9.90
	C. Becker	Blankets, etc.	34.60
	Church & Stephenson	Lumber	61.45
	Harvard Laundry Co.	Washing towels	33.95
	Johnson Brothers	Wood	2.75
	E. G. Schafer & Co.	Packing and glasses	3.50
	Hugh Reilly	Shellac	9.00
	Rudolph, West & Co.	Hardware	5.76
	Thos. Somerville & Sons	Stop box, etc.	2.35
	do	Pipe rosette plates	1.00
27	Western Union Telegraph Co.	Telegraph service	15.99
	Postal Telegraph Cable Co.	do	2.47
29	James Halley et al.	Salaries	151.40
Mar. 3	Merchants' Transfer and Storage Co.	Hauling horse	10.00
	Pope Manufacturing Co. (Washington branch).	Repairs to bicycle	5.00
	J. T. Walker Sons	Oil	5.00
	M. Du Perow	Electrical supplies	41.48
	James B. Lambie Co. (Incorporated)	Rule and brace	2.25
	Robert Murphy	Wood	122.50
4	The American News Co.	Scrapbooks	13.92
5	Wolf Bros	Envelopes	21.75
11	The E. F. Brooks Co.	Bracket	3.50
	Rex Sanitary Appliance Co.	Disinfectors	15.20
	Washington Gas Light Co.	Gas	37.30
	Potomac Electric Power Co.	Electric current	126.53
	American Ice Co.	Ice	66.07
	Potomac Electric Power Co.	Lamps	8.32
14	Wm. J. Zeh	Coal	559.22
16	Leidy S. Depue	Feed	101.00
18	Missouri, Kansas and Texas Rwy. Co. of Texas.	Passenger transportation	19.15
	Pennsylvania Co.	do	19.95
	Pennsylvania R. R. Co.	do	36.00
	Capital Traction Co.	Tickets	20.00
	Clark & Davenport	Linoleum, etc.	74.59
	Blum Bros.	Hair brushes	12.74
	Wm. H. Dyer	Wire molding	7.50
	Chas. R. Edmonston	Glasses	8.80
	James B. Lambie Co. (Incorporated)	Glue, etc.	8.55
	National Electrical Supply Co.	Silk cord, etc.	6.21
	E. S. Newman	Ribbon and paper for adding machine.	8.50
	E. G. Schafer & Co.	Plumbers' supplies	34.67
	Theo. Schondau	Horseshoes	23.00
	Woodward & Lothrop	Dusters	94.44
	R. Carter Ballantyne	Stationery supplies	376.34
21	Chadwick Copying Book Co.	Letter books	22.08
	Emry Davis	Inkstands	14.04
	The Carter-Crume Co. (Limited)	Carbon paper	1.60
24	Underwood Typewriter Co.	Repairs	6.00
25	The Chesapeake and Potomac Telephone Co.	Telephone service	.15

Expenditures of the Department of Agriculture for fiscal year ending June 30, 1904—Cont'd.

## CONTINGENT EXPENSES—Continued.

Date.	Name.	Nature of payment.	Total.
1904.			
Mar. 28	Ernest Betz.....	Grates.....	\$2.75
	Burrelles' Press Clipping Bureau.....	Clippings.....	17.50
	The Hoggson & Pettis Manufacturing Co.....	Copying pads.....	3.33
	Mackall Bros.....	Soap.....	28.50
	R. McReynolds' Sons.....	Wrench, etc.....	6.45
	Wm. J. Zeh.....	Coal.....	31.25
29	R. P. Andrews & Co. (Incorporated).....	Paste.....	49.00
	The Grove Lime and Coal Co.....	Cement.....	9.00
	Kellogg Switchboard and Supply Co.....	Telephone supplies.....	6.66
	Lamb & Tilden.....	Stamp ink.....	1.50
	Estate of John C. Parker.....	Stationery supplies.....	253.35
	Thos. Somerville & Sons.....	Plumbers supplies.....	38.76
	E. G. Schafer & Co.....	Steam fitting.....	2.93
	The Chicago, Burlington and Quincy Rwy. Co.....	Passenger transportation.....	11.50
	The Lake Shore and Michigan Southern Rwy. Co.....	do.....	6.50
31	Rudolph, West & Co.....	Hardware.....	46.04
	E. G. Schafer & Co.....	Pipe, etc.....	9.15
	Jas. Halley et al.....	Salaries.....	161.80
	Total third quarter.....		11,378.53
Apr. 4	James Wilson.....	Traveling expenses.....	81.15
	I. P. Roosa.....	Services.....	100.00
	Harvard Laundry Co.....	Washing towels.....	38.10
7	Wm. J. Zeh.....	Coal.....	556.16
9	Hugh Reilly.....	Shellac.....	1.80
	National Electrical Supply Co.....	Silk cord.....	5.61
	Remington Typewriter Co.....	Repairs.....	.65
	Rex Sanitary Appliance Co.....	Disinfectant.....	15.20
	W. B. Moses & Sons.....	Furniture, etc.....	28.65
	The M. Lindsay Rubber Co.....	Bicycle cape.....	3.00
	Barber & Ross.....	Shears, scissors, etc.....	62.17
	The E. F. Brooks Co.....	Brass casing.....	1.25
	Giddings & Steele.....	Rugs.....	37.20
	Wm. H. Dyer.....	Wire mold.....	11.25
	The Geo. W. Knox Express Co.....	Passenger transportation.....	.74
	Washington Gas Light Co.....	Gas.....	31.40
	Washington City post-office.....	Stamps.....	500.00
11	Wm. J. Zeh.....	Coal.....	553.00
	J. H. Bunnell & Co.....	Electrical supplies.....	17.00
12	Yawman & Erbe Manufacturing Co.....	Cards.....	22.50
	Wolf Bros.....	Envelopes.....	6.90
	John Underwood & Co.....	Ink.....	4.50
	E. L. Sibley.....	Hanger.....	6.00
	Library Bureau.....	Trays.....	4.00
	Library Bureau.....	Cards, etc.....	33.90
	New York Cycle Co.....	Repairs.....	6.50
13	Harvard Laundry Co.....	Washing towels.....	39.80
	American Ice Co.....	Ice.....	81.74
	Theo. Schondan.....	Horseshoes.....	6.75
14	R. Carter Ballantyne.....	Pens.....	15.50
	Church & Stephenson.....	Lumber.....	11.70
	Densmore Typewriter Co.....	Repairs.....	.60
	Francis Miller.....	Glass.....	11.80
	Lamb & Tilden.....	Rack.....	2.90
	Harris & Shafer.....	Clock.....	8.40
	J. T. Thomson.....	Embossing.....	13.50
	Woodward & Lothrop.....	Screen, etc.....	28.28
	W. B. Moses & Sons.....	Furniture and repairs.....	58.00
	Leidy S. Depue.....	Feed.....	159.00
	U. S. Express Co.....	Transportation.....	5.70
	Potomac Electric Power Co.....	Electric current.....	122.16
18	Clark & Davenport.....	Linoleum.....	26.88
	The C. J. McCubbin Co.....	Lavatory, etc.....	9.40
	Mutual District Messenger Co.....	Rent boxes.....	10.00
	E. S. Newman.....	Ribbon, etc.....	7.00
	Rudolph, West & Co.....	Horse clippers, etc.....	8.55
	Thos. Somerville & Sons.....	Plumbing supplies.....	29.30
	do.....	do.....	4.34
	C. Becker.....	Carriage supplies.....	20.30
	Western Union Telegraph Co.....	Telegraph service.....	4.16
	Postal Telegraph-Cable Co.....	do.....	4.09
	Wm. J. Zeh.....	Coal.....	62.50
19	The Okonite Co. (Limtd).....	Wire.....	12.50
	Burrelles Press Clipping Bureau.....	Clippings.....	17.50
20	Blue Line Transfer Co.....	Transportation.....	.75
25	The E. F. Brooks Co.....	Bracket.....	3.50
	Francis Miller.....	Glass.....	1.12



Expenditures of the Department of Agriculture for fiscal year ending June 30, 1904—Cont d.

## CONTINGENT EXPENSES—Continued.

Date.	Name.	Nature of payment.	Total.
1904.			
Apr. 25	D. Frank Parker	Ribbons, etc.	\$202.50
	Remington Typewriter Co.	Repairs	2.10
	Wm. H. Rupp Co.	Stationery supplies	31.60
	J. T. Thomson	Embossing	10.50
	Art Metal Construction Co.	Metal cabinet	305.00
	Kellogg Switchboard and Supply Co.	Stand	8.75
	J. P. Nawrath	Twine	85.15
27	The Geo. W. Knox Express Co.	Transportation	16.41
28	C. Becker	Harness	50.00
	R. P. Andrews & Co. (Incorporated)	Paste	49.00
	The Chesapeake and Potomac Telephone Co.	Telephone service	6.25
	do.	do	78.25
30	Jas. Halley et al.	Salaries	156.60
May 3	Arthur Given	Expenses	1.30
4	U. S. Envelope Co.	Envelopes	4.40
	Eberhard Faber	Pencils and erasers	15.93
	Chadwick Copying Book Co.	Copying books	11.04
	Robt. Murphy	Wood	147.00
12	Giddings & Steele	Desk rugs	18.60
	Wm. J. Zeh	Coal	39.70
	Theo. Schondan	Horseshoes	16.50
	Charles C. Fulton & Co.	Advertising	15.00
13	J. I. Holcomb Manufacturing Co.	Brushes, etc	24.50
	Pearre E. Crowl Co.	Moulding compound, etc.	8.25
	Western Union Telegraph Co.	Telegraph service	23.75
	Washington Gas Light Co.	Gas	26.90
	Adams Express Co.	Transportation	6.16
	U. S. Express Co.	do	11.15
	Z. D. Gilman	Syringe	.75
	Rex Sanitary Appliance Co.	Disinfectors	15.20
	Woodward & Lothrop	Desk and soap	46.50
	Potomac & Electric Power Co.	Electric current	17.34
	do.	do	151.71
	Densmore Typewriter Co.	Repairs	7.50
	Rudolph, West & Co.	Hardware	12.45
	Hugh Reilly	Wall brushes	6.00
	Leidy S. Depue	Feed	123.06
	W. B. Moses & Sons	Desk, etc	46.39
16	John C. Rau	Electric supplies	1.84
	W. O. Gottwals	Clamps	13.00
	M. Du Perow	Electric supplies	1.96
	Standard Oil Co. (Baltimore branch)	Oil	7.20
	Kellogg Switchboard and Supply Co.	Plugs, etc	3.10
	The Tribune Association	Advertising	34.00
18	Wm. J. Zeh	Coal	198.50
	do.	do	415.49
	Chicago, Milwaukee and St. Paul Rwy. Co.	Passenger transportation	13.50
19	Wm. H. Lacy	Plastering	40.38
	do.	do	17.88
24	D. Frank Parker	Ribbons, etc	144.60
	Swayze, Bailey & Co.	Staples, etc	22.00
	Fred. A. Schmidt	Sealing wax	2.25
	C. Becker	Repairs to harness, etc.	13.10
	Mary E. Parker, executrix	Stationery supplies	590.18
	J. P. Nawrath	Cotton	15.73
	R. McReynolds	Repairs to harness	15.00
	Ernest Betz	Repairs on roof, etc	277.05
	James B. Lambie Co. (Incorporated)	Screws, etc.	11.95
	The Chesapeake and Potomac Telephone Co.	Moving telephone	.67
	American Ice Co.	Ice	85.95
31	James Wilson	Traveling expenses	63.60
June 3	James Halley et al.	Salaries	161.80
	Adams Express Co.	Transportation	12.50
	R. Carter Ballantyne	Envelopes, etc.	50.30
	Church & Stephenson	Lumber	75.30
	Chesapeake and Potomac Telephone Co.	Changing telephone	2.80
	The Maurice Joyce Engraving Co.	Rubber stamps	2.00
	Harvard Laundry Co.	Washing towels	45.51
	The Philadelphia Item	Advertising	27.50
	Tribune Co. (Chicago)	do	28.50
	Woodward & Lothrop	Soap, etc.	13.44
	Thos. Somerville & Sons	Wiping cloth, etc.	3.76
	Fred. A. Schmidt	Sealing wax	.90
4	Leidy S. Depue	Feed	150.50
11	Eberhard Faber	Pands	100.62
20	Rudolph, West & Co.	Wire, etc.	10.10
	J. H. Bunnell & Co.	Dry batteries	5.00
	Burrelles Press Clipping Bureau	Clipping	35.00
	C. Becker	Collar, etc.	12.35

Expenditures of the Department of Agriculture for fiscal year ending June 30, 1904—Cont'd.

CONTINGENT EXPENSES—Continued.

Date.	Name.	Nature of payment.	Total.
1904.			
June 20	Mackall Bros.	Camphor.	\$8.00
	Geo. F. Muth & Co.	Lead, etc.	24.64
	M. Du Perow	Tubing, etc.	38.24
	Chas. R. Edmonston.	Hampers, etc.	21.91
	American Ice Co.	Ice	116.53
	R. C. M. Burton & Son.	Taking down awnings	167.40
	Potomac Electric Power Co.	Electric current	124.58
	Capital Traction Co.	Tickets	20.00
	W. H. Laey	Repairs on buildings	23.00
	James B. Lambie Co. (Incorporated)	Hardware	2.07
	S. Keighley Metal Ceiling Co.	Ceilings	197.31
	Washington Gas Light Co.	Gas	19.90
	Woodward & Lothrop	Chairs, etc.	91.42
	Thos. Somerville & Sons	Washer, etc.	1.65
	The C. J. McCubbin Co.	do	.50
	Francis Millar	Paint	3.75
	E. G. Schafer & Co.	Pipe	2.88
	Rex Sanitary Appliance Co.	Disinfectors	15.20
	Remington Typewriter Co.	Repairs to typewriter	14.50
	Theo. Schondan	Horseshoes	12.00
25	James Wilson	Traveling expenses	43.15
	Washington Post Co.	Advertising	17.25
	Washington Times Co.	do	18.00
29	Western Union Telegraph Co.	Telegraph service	7.24
	Wm. H. Rupp Co.	Stenographer books, etc.	62.00
30	Jas. Halley et al.	Salaries	156.60
	Total fourth quarter		8,652.07
1903.	<i>Supplemental.</i>		
July 14	I. P. Roosa	Services	100.00
	Harvard Laundry Co.	Laundering towels	45.67
	Theo. Schondan	Horseshoes	9.00
18	American Ice Co.	Ice	168.97
	Ernest Betz	Repairs and labor	18.10
	Church & Stephenson	Lumber	29.11
	Harvard Laundry Co.	Washing towels	54.15
	W. B. Moses & Sons	Repairs, etc.	10.95
	Robt. Murphy	Wood	122.50
	Potomac Electric Power Co.	Electric current	153.00
	Washington Gas Light Co.	Gas	18.90
19	Burrelles Press Clipping Bureau	Clippings	17.50
	Journal Newspaper Co.	Advertising	15.75
	Yawman & Erbe Manufacturing Co.	File	7.75
	Library Bureau	Stand	5.00
	G. E. Stechert	Subscriptions	9.88
20	The Chesapeake and Potomac Telephone Co.	Call	.10
	The Evening Star	Advertisement	13.00
	Louis Hartig	Horseshoes	10.58
	Albert Kahlert & Co.	Cleaning carpets	100.01
	Washington Post Co.	Copies of paper	4.45
	Lamb & Tilden	Daters	7.00
	Mutual District Messenger Co.	Rent	10.00
	Mackall Bros.	Vaseline	.30
	R. McReynolds Sons	Repairs to curtain	.75
	New York Cycle Co.	Tires	6.95
	Jno. F. Sturgeon	Moulding, etc.	4.35
	Jos. Strasburger	Paste	.50
	Rudolph, West & Co.	Bolts, etc.	8.30
	Rex Sanitary Appliance Co.	Disinfectors	15.20
	J. T. Thomson	Stamping paper	15.00
Aug. 3	R. C. M. Burton & Son	Awnings	9.00
	The Chesapeake and Potomac Telephone Co.	Telephone service	78.25
	do	do	6.25
	Mackall Bros.	Soap	8.82
	Jno. C. Parker	Mucilage	11.49
	Louis Hartig	Horseshoes	7.70
16	Western Union Telegraph Co.	Telegraph service	1.91
17	M. G. Copeland	Flag	3.41
	M. Du Perow	Electrical supplies	5.50
	The J. C. Ergood Co.	Pearline, etc.	25.00
	Geo. F. Muth & Co.	Printers' material	7.00
	National Electric Supply Co.	Electrical supplies	22.15
	Wm. H. Rupp Co.	Sponge cups, etc.	8.50
	Wm. J. Zeh	Fuel	415.09
18	The Okonite Co. (Limited)	Wire	12.50
27	Barber & Ross	Oilers	.70
29	The Geo. W. Knox Express Co.	Transportation	.25

Expenditures of the Department of Agriculture for fiscal year ending June 30, 1904—Cont'd.

## CONTINGENT EXPENSES—Continued.

Date.	Name.	Nature of payment.	Total.
<i>Supplemental—Continued.</i>			
1903. Aug. 29	Geo. F. Muth & Co.....	Chamois skins, etc.....	\$16.43
	Hugh Reilly.....	Varnish, etc.....	23.25
	Smithsonian Institution.....	Transportation exchanges.....	42.75
	Thos. Somerville & Sons.....	Repairs to valve.....	.45
	.....do.....	Repairs.....	12.00
Sept. 20	Chas. R. Edmonston.....	Pan, etc.....	.80
	Underwood Typewriter Co.....	Repairs.....	.50
24	Western Union Telegraph Co.....	Telegraph service.....	2.98
	Total.....		1,701.40

## RECAPITULATION.

Total first quarter.....	\$4,718.33
Total second quarter.....	10,388.65
Total third quarter.....	11,378.53
Total fourth quarter.....	8,652.07
Total supplemental.....	1,701.40
Total.....	36,838.98

## AGRICULTURAL EXPERIMENT STATIONS.

Date.	Name.	Nature of payment.	Total.
1903. July 13	American Writing Machine Co.....	Paper.....	\$18.00
25	W. H. Evans.....	Traveling expenses.....	64.92
29	W. H. Beal.....	.....do.....	32.53
	H. W. Lawson.....	.....do.....	25.00
31	A. C. True et al.....	Salaries.....	2,726.98
Aug. 1	E. W. Allen.....	Traveling expenses.....	18.30
4	M. Du Perow.....	Dry batteries.....	.60
13	D. J. Crosby.....	Traveling expenses.....	58.00
	A. C. True.....	.....do.....	144.55
15	Rudolph, West & Co.....	Hinges.....	1.25
	.....do.....	Knobs.....	.95
24	W. H. Beal.....	Traveling expenses.....	15.14
31	A. C. True et al.....	Salaries.....	2,572.56
Sept. 10	Capital Traction Co.....	72 tickets.....	3.00
16	E. V. Wilcox.....	Traveling expenses.....	56.65
19	New York Central and Hudson River R. R. Co.....	Passenger transportation.....	20.45
	Rutland R. R. Co.....	.....do.....	8.50
	New York, New Haven and Hartford R. R. Co.....	.....do.....	3.50
	Southern Rwy. Co.....	.....do.....	9.90
21	A. C. True.....	Traveling expenses.....	43.06
22	C. B. Smith.....	.....do.....	27.40
24	D. J. Crosby.....	.....do.....	20.00
	E. W. Allen.....	.....do.....	55.10
28	W. H. Beal.....	.....do.....	41.95
30	A. C. True et al.....	Salaries.....	2,622.43
	Total first quarter.....		8,590.72
Oct. 3	A. C. True.....	Traveling expenses.....	26.22
8	Peter Fireman.....	Translating.....	25.00
	John C. Parker.....	Paper.....	3.50
12	American Cycle Manufacturing Co.....	Pump and bell.....	.95
21	D. J. Crosby.....	Traveling expenses.....	19.18
23	Wm. H. Rupp Co.....	Labels.....	2.50
	Civic Improvement League.....	Photos.....	.75
28	The Chesapeake and Potomac Telephone Co.....	Telephone service.....	6.25
	Charles L. Goodrich.....	Article for publication.....	40.00
	Delano & Moore.....	Prints, etc.....	4.18
	The Geo. W. Knox Express Co.....	Transportation.....	1.60
	Murray Lyceum Bureau.....	Lantern slides.....	19.25
31	The Chesapeake and Ohio Rwy. Co.....	Passenger transportation.....	15.00
	Chicago and Northwestern Rwy. Co.....	.....do.....	10.32
	New York Central and Hudson River R. R. Co.....	.....do.....	4.00
	Baltimore and Ohio R. R. Co.....	.....do.....	6.50
	The Lake Shore and Michigan Southern Rwy. Co.....	.....do.....	24.52
	Union Pacific R. R. Co.....	.....do.....	27.65
	Pennsylvania R. R. Co.....	.....do.....	10.00
	Lehigh Valley R. R. Co.....	.....do.....	9.33



Expenditures of the Department of Agriculture for fiscal year ending June 30, 1904—Cont'd.

AGRICULTURAL EXPERIMENT STATIONS—Continued.

Date.	Name.	Nature of payment.	Total.
<b>1903.</b>			
Oct. 31	Grand Rapids and Indiana Rwy. Co.	Passenger transportation	\$4.26
	Central R. R. Co. of New Jersey	do	6.50
	Northern Pacific Rwy. Co.	do	27.03
	The Oregon R. R. and Navigation Co.	do	10.85
	Grand Trunk Rwy. Co.	do	6.90
	A. C. True et al.	Salaries	2,790.31
Nov. 4	A. C. True	Traveling expenses	50.26
13	D. J. Crosby	do	73.89
	Church & Stephenson	Lumber	6.12
16	E. W. Allen	Traveling expenses	43.60
20	O. J. Kern	Photos	5.50
21	Remington Typewriter Co.	Adjusting typewriters	.60
23	Yawman & Erbe Manufacturing Co.	Cards	2.80
30	A. C. True et al.	Salaries	2,779.05
Dec. 1	The Hammond Typewriter Co.	Repairs	3.19
	W. B. Moses & Sons	Furniture polish	.50
	Delano & Moore	Photo supplies	4.19
2	Library Bureau	Tin trays	2.70
	Peter Fireman	Translating	33.75
5	A. C. True	Traveling expenses	18.50
10	D. Frank Parker	Ink, etc.	2.80
17	Rudolph, West & Co.	Duster, etc.	1.12
	Library Bureau	Tray	1.00
	Church & Stephenson	Lumber	2.04
	David W. Brown	Report	135.00
	John C. Parker	Note books, etc.	7.65
18	Richmond, Fredericksburg and Potomac R. R. Co.	Passenger transportation	3.50
	Cleveland, Cincinnati, Chicago and St. Louis Rwy. Co.	do	17.50
	Chicago, St. Paul, Minneapolis and Omaha Rwy.	do	14.40
	The Lake Shore and Michigan Southern Rwy. Co.	do	5.87
	Boston and Maine R. R.	do	6.00
	Baltimore and Ohio R. R. Co.	do	17.85
	Southern Rwy. Co.	do	20.35
	Washington Southern Rwy. Co.	do	8.30
	Southern Pacific Co.	do	5.20
	New York, New Haven and Hartford R. R. Co.	do	10.50
	Pennsylvania R. R. Co.	do	68.00
22	W. H. Beal	Traveling expenses	10.25
28	Union Pacific R. R. Co.	Passenger transportation	40.50
31	A. C. True et al.	Salaries	2,883.05
	Total second quarter		9,405.58
<b>1904.</b>			
Jan. 7	Capital Traction Co.	Tickets	5.00
12	E. V. Wilcox	Traveling expenses	39.90
14	Library Bureau	Trays and cases	15.00
25	Pennsylvania R. R. Co.	Passenger transportation	19.50
	do	do	10.00
	New York, New Haven and Hartford R. R. Co.	do	12.25
	Baltimore and Ohio R. R. Co.	do	12.48
26	D. Frank Parker	Ink	1.20
	Kenyon L. Butterfield	Article for publication	25.00
	Adams Express Co.	Transportation	4.31
	John C. Parker	Calendar pads	.50
31	A. C. True et al.	Salaries	3,065.51
Feb. 8	The Chesapeake and Potomac Telephone Co.	Telephone service	6.25
9	National Electric Supply Co.	Electric supplies	1.85
	Woodward & Lothrop	Chairs	3.80
12	Wolf Bros	Envelopes	8.72
17	Baltimore and Ohio R. R. Co.	Passenger transportation	20.25
18	Norfolk and Western Rwy. Co.	do	6.30
	The Pullman Co.	do	19.00
	The Wabash R. R. Co.	do	10.85
	A. C. True	Traveling expenses	4.90
	Pennsylvania R. R. Co.	Passenger transportation	15.95
23	L. H. Bailey	Article for publication	120.00
24	E. Morrison Paper Co.	Paper	3.00
	Delano & Moore	Prints	1.44
	U. S. Express Co.	Transportation	3.08
	Remington Typewriter Co.	Typewriter	90.00
27	Western Union Telegraph Co.	Telegraph service	2.38
29	A. C. True et al.	Salaries	2,941.34
Mar. 7	D. J. Crosby	Traveling expenses	27.44
11	Mabel R. Wilcox	Translating	95.00

Expenditures of the Department of Agriculture for fiscal year ending June 30, 1904—Cont'd.

## AGRICULTURAL EXPERIMENT STATIONS—Continued.

Date.	Name.	Nature of payment.	Total.
1904.			
Mar. 18	Church & Stephenson .....	Lumber .....	87.35
	R. P. Andrews & Co. (Incorporated) .....	Paper .....	1.20
	E. Morrison Paper Co. ....	Pasteboard .....	1.50
24	R. Carter Ballantyne .....	Indexes .....	.53
26	Yawman & Erbe Manufacturing Co. ....	Sections .....	46.70
	Rudolph, West & Co. ....	Lock, etc. ....	1.51
28	The Wabash R. R. Co. ....	Passenger transportation .....	7.02
29	Canadian Pacific Rwy. Co. ....	do .....	50.00
31	Pennsylvania R. R. Co. ....	do .....	14.25
	Peter Fireman .....	Translating .....	41.25
	A. C. True et al. ....	Salaries .....	3,266.49
	Total third quarter .....		10,030.00
Apr. 9	R. P. Andrews & Co. (Incorporated) .....	Clips .....	2.40
11	American Writing Machine Co. ....	Paper .....	19.00
14	Capital Traction Co. ....	Tickets .....	5.00
18	Postal Telegraph-Cable Co. ....	Telegraph service .....	.62
19	Union Envelope Co. ....	Envelopes .....	28.50
20	H. C. Davison & Co. ....	Paper .....	5.40
	Pennsylvania Company .....	Passenger transportation .....	17.50
	Library Bureau .....	Cards, etc. ....	8.00
	do .....	do .....	3.20
25	D. Frank Parker .....	Numbering machine, etc. ....	12.50
	Wm. H. Rupp Co. ....	Paper .....	1.25
28	The Chesapeake and Potomac Telephone Co. ....	Telephone service .....	6.25
29	E. W. Allen .....	Traveling expenses .....	26.65
30	A. C. True et al. ....	Salaries .....	3,142.00
May 4	Lucius R. Hazen .....	Clips .....	.60
	U. S. Envelope Co. ....	Envelopes .....	41.10
13	Adams Express Co. ....	Transportation .....	4.75
	U. S. Express Co. ....	do .....	2.70
	Western Union Telegraph Co. ....	Telegraph service .....	9.40
	Blue Line Transfer Co. ....	Transportation .....	.37
18	D. J. Crosby .....	Traveling expenses .....	47.01
19	W. B. Moses & Sons .....	Rug, etc. ....	67.50
	Woodward & Lothrop .....	Matting .....	37.95
	Library Bureau .....	Cards .....	26.90
23	Wolf Bros. ....	Envelopes .....	14.67
26	Washington Southern Rwy. Co. ....	Passenger transportation .....	15.35
31	A. C. True et al. ....	Salaries .....	3,004.15
June 3	H. C. Davison & Co. ....	Paper .....	10.80
	S. N. Meyer .....	Labels .....	18.00
6	Yawman & Erbe Manufacturing Co. ....	Guides .....	29.50
8	J. I. Schulte .....	Salary .....	153.40
	D. W. May .....	Traveling expenses .....	40.30
11	U. S. Envelope Co. ....	Envelopes .....	4.90
13	A. C. True .....	Traveling expenses .....	41.95
16	Walter H. Evans .....	do .....	46.27
20	Adams Express Co. ....	Transportation .....	3.70
	Gaylord Bros. ....	Paper .....	.75
	The Chesapeake and Potomac Telephone Co. ....	Telephone service .....	.10
	R. Carter Ballantyne .....	Trunk board, etc. ....	42.17
	Rudolph, West & Co. ....	Saw, etc. ....	3.27
	W. B. Moses & Sons .....	Chairs, etc. ....	128.90
	Geo. F. Muth & Co. ....	Benzine and can .....	.40
	Library Bureau .....	Guides .....	2.00
	James B. Lambie Co. (Incorporated) .....	Hatchet .....	.42
	Frank E. Hopkins .....	Hinges .....	2.50
	Jas. B. Lambie Co. (Incorporated) .....	Zinc .....	1.60
	Western Union Telegraph Co. ....	Telegraph service .....	1.95
	Woodward & Lothrop .....	Desk, etc. ....	76.00
	S. J. Venable .....	Frames .....	4.50
	Southern Printers' Supply Co. ....	Electros .....	2.65
29	Delano & Moore .....	Photo supplies .....	72.09
	Wm. H. Rupp Co. ....	Scale, etc. ....	9.10
	H. M. Pieters .....	Translating .....	47.50
	National Electric Supply Co. ....	Electrical supplies .....	10.32
	The Murray Lyceum Bureaut. ....	Slides .....	10.20
	Felt & Tarrant Manufacturing Co. ....	Comptometer .....	150.00
30	A. C. True et al. ....	Salaries .....	2,930.20
	Total fourth quarter .....		10,406.16
	<i>Supplemental.</i>		
July 5	D. J. Crosby .....	Traveling expenses .....	74.34
18	Capital Traction Co. ....	Fare tickets (120) .....	5.00
	Delano & Moore .....	Films .....	5.40

*Expenditures of the Department of Agriculture for fiscal year ending June 30, 1904—Cont'd.*

AGRICULTURAL EXPERIMENT STATIONS—Continued.

Date.	Name.	Nature of payment.	Total.
<i>Supplemental—Continued.</i>			
1904.			
July 18	W. B. Moses & Sons .....	Cases, etc.	\$35.75
19	American Writing Machine Co. ....	Paper	23.75
	Swayze, Bailey & Co. ....	Labels, etc.	1.40
	United States Envelope Co. ....	Envelopes	14.25
20	National Electric Supply Co. ....	Fan	10.50
	Remington Typewriter Co. ....	Typewriter	90.00
	Woodward & Lothrop .....	Matting, etc.	41.88
	Lamb & Tilden .....	Numbering machine.	27.44
23	Southern Rwy. Co. ....	Passenger transportation	7.20
26	Peter Fireman .....	Abstracts of reports.	37.50
30	Atlantic Coast Line R. R. Co. ....	Passenger transportation	3.45
	Seaboard Air Line Rwy. ....	do	21.60
Aug. 1	O. W. Barrett .....	Traveling expenses	51.61
3	The Chesapeake and Potomac Telephone Co.	Telephone service	6.25
	D. F. Parker .....	Stencil pencils	2.00
	John C. Parker .....	Paper	7.80
10	O. W. Barrett .....	Services	148.30
	E. W. Allen .....	Traveling expenses	65.75
16	Western Union Telegraph Co. ....	Telegraph service	.26
	Remington Typewriter Co. ....	Adjusting typewriter	1.70
17	do .....	Typewriter	92.25
18	Library Bureau .....	Cards	2.38
27	R. Carter Ballantyne .....	Envelopes, etc.	8.95
29	F. W. Woll .....	Translating	250.00
Sept. 1	E. V. Wilcox .....	Traveling expenses	9.75
14	United States Express Co. ....	Transportation	1.20
17	Jasper Wilson .....	Traveling expenses	144.15
19	Rutland R. R. Co. ....	Passenger transportation	9.68
	Southern Rwy. Co. ....	do	3.10
	do .....	do	10.40
	Lehigh Valley R. R. Co. ....	do	2.23
	St. Louis and San Francisco R. R. Co. ....	do	18.74
	Georgia Southern and Florida Rwy. Co. ....	do	9.00
	Illinois Central R. R. Co. ....	do	9.07
	Burlington and Missouri River R. R. in Ne- braska.	do	1.65
	Chicago, Rock Island and Pacific Rwy. Co. ....	do	7.76
	Chicago and Northwestern Rwy. Co. ....	do	19.00
	Chicago and Alton Rwy. Co. ....	do	7.50
	The Atchison, Topeka and Santa Fe Rwy. Co. ....	do	7.22
	Baltimore and Ohio R. R. Co. ....	do	10.00
	The Wabash R. R. Co. ....	do	4.35
	do .....	do	22.10
	The Chesapeake and Ohio R. R. Co. ....	do	65.80
	New York Central and Hudson River R. R. Co.	do	4.45
20	Adams Express Co. ....	Transportation	1.55
	Yawman & Erbe Manufacturing Co. ....	Cabinet	40.00
24	Western Union Telegraph Co. ....	Telegraph service	2.02
	The Wabash R. R. Co. ....	Passenger transportation	4.93
	Total .....		1,505.21

RECAPITULATION.

Total first quarter .....	\$8,590.72
Total second quarter .....	9,405.58
Total third quarter .....	10,030.00
Total fourth quarter .....	10,406.16
Total supplemental .....	1,505.21
Total .....	39,937.67

STATIONS OF ALASKA.

Date.	Name.	Nature of payment.	Total.
1903.			
July 20	Bernard Hirst .....	Tools	\$3.70
24	W. P. Mills Co. (Incorporated) .....	Hay and feed	33.85
28	Edw. de Groff .....	Coal and wharfage	13.15
Aug. 1	C. C. Georgeson .....	Salary	252.70
	F. E. Rader .....	do	126.40
	H. P. Nielsen .....	do	126.40
	J. W. Neal .....	do	126.40
	R. W. De Armond .....	do	75.00



Expenditures of the Department of Agriculture for fiscal year ending June 30, 1904—Cont'd.

## STATIONS OF ALASKA—Continued.

Date.	Name.	Nature of payment.	Total.
1903.			
Aug. 1	W. L. Neal	Salary	\$70.00
	P. H. Ross	do	60.00
26	Seattle Hardware Co.	Anchor	19.73
27	do	Wood preservative	6.50
Sept. 3	H. P. Nielsen	Salary	126.40
	W. L. Neal	do	70.00
	P. H. Ross	do	60.00
	J. W. Neal	do	126.40
	E. L. Wells	do	50.00
	do	do	50.00
	C. C. Georgeson	do	252.70
	F. E. Rader	do	126.40
	R. W. De Armond	do	75.00
18	Pacific Packing and Navigation Co.	Passenger transportation	28.00
19	Pacific Coast S. S. Co.	do	30.00
28	P. H. Ross	Salary	60.00
	J. W. Neal	Expenses	29.50
	Fred. E. Rader	Salary	122.20
	C. C. Georgeson	do	244.60
	Walter L. Neal	do	70.00
	H. P. Nielsen	do	122.20
	Edward L. Wells	do	50.00
	R. W. De Armond	do	75.00
	J. W. Neal	do	146.80
	Total first quarter		2,829.03
Oct. 9	H. P. Nielsen	Expenses	64.40
19	J. W. Neal	Traveling expenses	58.80
	C. C. Georgeson	do	112.00
22	W. P. Mills Co. (Incorporated)	Station supplies	155.22
23	J. W. Neal	Expenses	107.20
	W. P. Mills Co. (Incorporated)	Lumber	48.69
	H. P. Nielsen	Expenses	93.00
24	W. P. Mills Co. (Incorporated)	Supplies	50.03
31	Northern Pacific Rwy. Co.	Passenger transportation	5.60
	Alaska Commercial Co.	do	30.00
	Pacific Packing and Navigation Co.	do	10.00
Nov. 2	C. C. Georgeson	Salary	252.70
	H. P. Nielsen	do	126.40
	R. W. De Armond	do	75.00
	W. L. Neal	do	70.00
	J. W. Neal	do	151.60
	P. H. Ross	do	60.00
	Fred. E. Rader	do	126.40
	Edward de Groff	Freight	6.30
4	W. S. Amy	Horses	200.00
10	Edward L. Wells	Salary	50.00
20	O. B. Hess	Cow, etc.	76.40
25	J. W. Neal	Expenses	85.04
30	do	Salary	146.80
	R. W. De Armond	do	75.00
	Fred. E. Rader	do	122.20
	C. C. Georgeson	do	244.60
	P. H. Ross	do	60.00
Dec. 2	W. P. Mills Co. (Incorporated)	Supplies	61.34
16	do	do	47.00
18	Juneau Steamship Co.	Passenger transportation	10.00
19	H. P. Nielsen	Expenses	29.55
	The A. Hambach Co.	Hot-water heating plant	392.80
21	John Bartnoosky	Cow	50.00
	Total second quarter		3,254.07
1904.			
Jan. 2	P. H. Ross	Traveling expenses	34.90
	do	Salary	60.00
	R. W. De Armond	do	75.00
	J. W. Neal	do	151.60
	Fred. E. Rader	do	126.40
	C. C. Georgeson	do	252.70
18	Carl Spuhn	Fertilizer	29.95
26	Edward de Groff	Freight charges	11.90
Feb. 2	R. W. De Armond	Salary	75.00
	C. C. Georgeson	do	255.50
	J. W. Neal	do	153.30
	Fred. E. Rader	do	127.70
	P. H. Ross	do	60.00
12	W. P. Mills Co. (Incorporated)	Station supplies	43.43
23	Dunham, Carrigan and Hayden Co.	Hayrake	30.00

178 EXPENDITURES IN DEPARTMENT OF AGRICULTURE.

Expenditures of the Department of Agriculture for fiscal year ending June 30, 1904—Cont'd.

STATIONS OF ALASKA—Continued.

Date.	Name.	Nature of payment.	Total.
1904.			
Feb. 23	Geo. E. James.....	Door, etc.....	\$21.46
	W. P. Mills Co. (Incorporated).....	Flooring, etc.....	36.45
	.....do.....	Supplies.....	61.38
29	J. W. Neal.....	Salary.....	143.40
	P. H. Ross.....	.....do.....	60.00
	R. W. De Armond.....	.....do.....	75.00
	Fred. E. Rader.....	.....do.....	119.60
	C. C. Georgeson.....	.....do.....	239.00
Mar. 2	J. W. Neal.....	Traveling expenses.....	22.10
	C. C. Georgeson.....	Expenses.....	12.80
4	R. Blux.....	Care of horses.....	45.00
	Edward de Groff.....	Coal, etc.....	52.25
	Frank J. Kinghorn.....	Hauling, etc.....	24.44
5	W. P. Mills Co. (Incorporated).....	Coal, etc.....	31.81
21	Curtis P. Coe.....	Report.....	53.00
	Total third quarter.....		2,485.07
Apr. 25	S. L. Reinhardt & Co.....	Wax paper.....	1.35
	Total fourth quarter.....		1.35

RECAPITULATION.

Total first quarter.....	\$2,829.03
Total second quarter.....	3,254.07
Total third quarter.....	2,485.07
Total fourth quarter.....	1.35
Total.....	8,569.52

STATIONS OF ALASKA—SPECIAL AGENT.

Date.	Name.	Nature of payment.	Total.
1903.			
July 1	C. C. Georgeson.....		\$1,000.00
1904.			
Jan. 12	.....do.....		1,000.00
24	.....do.....		1,000.00
May 14	.....do.....		1,500.00
June 13	.....do.....		2,033.23
	Total.....		6,533.23

HAWAII.

1903.			
July 24	M. V. Slingerland.....	Lantern slides.....	\$31.22
Aug. 17	G. E. Stechert.....	Books.....	11.10
	United States Envelope Co.....	Envelopes.....	15.60
19	G. E. Stechert.....	Books.....	45.86
25	The Kny-Scheerer Co.....	Cages, etc.....	30.75
Sept. 11	G. E. Stechert.....	Books.....	33.81
	Total first quarter.....		168.34
Oct. 12	E. Morrison Paper Co.....	Herbarium paper.....	4.50
14	G. E. Stechert.....	Books.....	67.75
Nov. 23	.....do.....	.....do.....	126.50
	.....do.....	.....do.....	7.11
Dec. 15	Oceanic Steamship Co.....	Transportation.....	2.50
18	The Pacific Mail Steamship Co.....	.....do.....	135.00
	Total second quarter.....		343.36
1904.			
Jan. 25	Pennsylvania R. R. Co.....	Passenger transportation.....	29.65
26	G. E. Stechert.....	Books.....	6.32
	.....do.....	.....do.....	60.64
Mar. 5	.....do.....	.....do.....	297.64
	.....do.....	.....do.....	33.00
11	Postal Telegraph Cable Co.....	Telegraph service.....	2.15
	Total third-quarter.....		429.40

Expenditures of the Department of Agriculture for fiscal year ending June 30, 1904—Cont'd.

RECAPITULATION.

Total, first quarter.....	\$168.34
Total, second quarter.....	343.36
Total, third quarter.....	429.40
Total.....	941.10

HAWAII—SPECIAL AGENT.

Date.	Name.	Nature of payment.	Total.
1904.			
July 1	J. G. Smith.....		\$4,000.00
Sept. 9	.....do.....		3,000.00
Nov. 23	.....do.....		2,300.00
1904.			
Jan. 20	J. G. Smith.....		2,000.00
Mar. 24	.....do.....		2,000.00
Apr. 22	.....do.....		821.97
	Total.....		14,121.97

PAID BY U. S. TREASURY.

1904.			
Feb. 17	Union Pacific R. R. Co.....	Passenger transportation.....	\$27.00

PORTO RICO.

1903.			
Aug. 1	F. D. Gardner.....	Salary.....	\$252.70
	O. W. Barrett.....	do.....	126.40
	E. C. Howe.....	do.....	101.10
	J. W. Van Leenhoff.....	do.....	30.30
Sept. 3	E. C. Howe.....	do.....	101.10
	J. W. Van Leenhoff.....	do.....	30.30
	F. D. Gardner.....	do.....	252.70
	O. W. Barrett.....	do.....	139.00
4	Olds & Whipple.....	Tenting cloth.....	40.56
24	W. A. Wood M. & R. M. Co.....	Mower, etc.....	45.00
28	O. W. Barrett.....	Salary.....	67.26
	Frank D. Gardner.....	do.....	244.60
	J. W. Van Leenhoff.....	do.....	29.40
	Edward C. Howe.....	do.....	97.80
	Total first quarter.....		1,558.22
Nov. 2	O. W. Barrett.....	Salary.....	139.00
	Edward C. Howe.....	do.....	109.50
	Frank D. Gardner.....	do.....	252.70
	J. W. Van Leenhoff.....	do.....	30.30
23	Yawman & Erbe Manufacturing Co.....	Guides.....	1.20
30	Frank D. Gardner.....	Salary.....	244.60
	O. W. Barrett.....	do.....	134.50
	Edward C. Howe.....	do.....	106.00
	Johan Van Leenhoff, jr.....	do.....	97.80
	J. W. Van Leenhoff.....	do.....	29.40
Dec. 1	Brentanos.....	Books.....	29.68
2	Reasoner Bros.....	Plants.....	22.94
5	E. F. Curt.....	Salary.....	27.17
	Total second quarter.....		1,224.79
1904.			
Jan. 2	Frank D. Gardner.....	Salary.....	252.70
	J. W. Van Leenhoff.....	do.....	30.30
	O. W. Barrett.....	do.....	139.00
	Edward C. Howe.....	do.....	109.50
	E. F. Curt.....	do.....	84.20
	Johan Van Leenhoff, jr.....	do.....	101.10
12	Frank D. Gardner.....	Traveling expenses.....	20.72
19	I. P. Roosa.....	Expenses.....	5.05
27	F. A. Cauchois & Co.....	Roasting coffee, etc.....	30.78
Feb. 1	Frank D. Gardner.....	Salary.....	255.50
2	O. W. Barrett.....	do.....	153.30
	E. F. Curt.....	do.....	85.20
	Edward C. Howe.....	do.....	110.70



180 EXPENDITURES IN DEPARTMENT OF AGRICULTURE.

Expenditures of the Department of Agriculture for fiscal year ending June 30, 1904—Cont'd.

PORTO RICO—Continued.

Date.	Name.	Nature of payment.	Total.
1904.			
Feb. 2	J. Van Leenhoff.....	Salary.....	\$102.20
12	J. W. Van Leenhoff.....	do.....	40.90
12	Edmund Mortimer & Co.....	Fertilizer.....	16.70
16	Geo. W. Moss.....	Passenger transportation.....	40.00
18	Pennsylvania R. R. Co.....	do.....	6.50
24	The New York and Porto Rico Steamship Co.....	do.....	40.00
24	F. W. Bolgiano & Co.....	Pitts for harrow.....	7.50
29	Johan Van Leenhoff, jr.....	Salary.....	95.60
	E. F. Curt.....	do.....	79.60
	Frank D. Gardner.....	do.....	239.00
	O. W. Barrett.....	do.....	143.00
	J. W. Van Leenhoff.....	do.....	38.42
	Edward C. Howe.....	do.....	103.60
Mar. 26	Rudolph, West & Co.....	Steel tape.....	7.00
28	The New York and Porto Rico Steamship Co.....	Passenger transportation.....	40.00
	Total third quarter.....		2,378.25
Apr. 4	G. P. Clinton.....	Traveling expenses.....	6.10
	I. P. Roosa.....	Mules.....	525.00
9	Estate of John C. Parker.....	Tags.....	5.25
18	Western Union Telegraph Co.....	Telegraph service.....	.72
20	Pennsylvania R. R. Co.....	Passenger transportation.....	6.50
25	D. Frank Parker.....	Mimeograph.....	15.00
28	Pennsylvania R. R. Co.....	Passenger transportation.....	8.00
May 4	United States Envelope Co.....	Envelopes.....	3.21
26	Pennsylvania R. R. Co.....	Passenger transportation.....	6.50
	New York, New Haven, and Hartford R. R. Co.....	do.....	10.25
	The New York and Porto Rico Steamship Co.....	do.....	40.00
June 3	Adams Express Co.....	Transportation.....	3.15
11	F. D. Gardner.....	Traveling expenses.....	21.96
20	Boulton, Bliss and Dallett.....	Passenger transportation.....	40.00
	Total fourth quarter.....		691.64

RECAPITULATION.

Total first quarter.....	\$1,558.22
Total second quarter.....	1,224.79
Total third quarter.....	2,378.25
Total fourth quarter.....	691.64
Total.....	5,852.90

SPECIAL AGENTS.

Date.	Name.	Nature of payment.	Total.
1903.			
July 1	F. D. Gardner.....		\$1,000.00
Aug. 18	do.....		2,000.00
Dec. 16	do.....		1,500.00
1904.			
Feb. 24	F. D. Gardner.....		1,000.00
May 3	David W. May.....		1,000.00
Apr. 2	F. D. Gardner.....		1,000.00
May 14	David W. May.....		1,000.00
June 13	do.....		647.10
	Total.....		9,147.10

FARMERS' INSTITUTES.

1903.			
July 31	Jno. Hamilton et al.....	Salaries.....	\$239.30
Aug. 31	do.....	do.....	239.30
Sept. 3	Jno. Hamilton.....	Traveling expenses.....	34.36
18	do.....	do.....	26.25
19	Southern Rwy. Co.....	Passenger transportation.....	31.94
30	Jno. Hamilton et al.....	Salaries.....	231.40
	Total first quarter.....		802.55

Expenditures of the Department of Agriculture for fiscal year ending June 30, 1904—Cont'd.

FARMERS' INSTITUTES—Continued.

Date.	Name.	Nature of payment.	Total.
1903.			
Oct. 21	John Hamilton	Traveling expenses	\$22.64
21	do	do	89.80
22	Library Bureau	Pamphlet cases	20.00
31	Southern Rwy. Co.	Passenger transportation	11.75
	do	do	23.00
	Jno. Hamilton et al.	Salaries	239.30
Nov. 7	Jno. Hamilton	Traveling expenses	14.05
30	Jno. Hamilton et al.	Salaries	231.40
Dec. 18	Southern Rwy. Co.	Passenger transportation	18.50
	do	do	18.50
	do	do	17.40
	The Chicago, Burlington and Quincy Rwy. Co.	do	34.35
	Burlington and Missouri R. R. in Nebraska	do	14.75
19	John Hamilton	Traveling expenses	74.60
31	John Hamilton et al.	Salaries	239.30
	Total second quarter		1,069.34
1904.			
Jan. 25	Union Pacific R. R. Co.	Passenger transportation	31.50
	Pittsburg, Cincinnati and St. Louis Rwy. Co.	do	10.00
28	John Hamilton	Traveling expenses	96.40
31	John Hamilton et al.	Salaries	241.80
Feb. 29	John Hamilton	Traveling expenses	52.96
	John Hamilton et al.	Salaries	226.40
Mar. 17	Burlington and Missouri River R. R. in Nebraska	Passenger transportation	14.40
28	The Chicago, Burlington and Quincy Rwy. Co.	do	14.40
29	Chicago, Milwaukee and St. Paul Rwy. Co.	do	22.15
31	John Hamilton	Traveling expenses	83.23
	John Hamilton et al.	Salaries	241.80
	Total third quarter		1,035.04
Apr. 20	The Chesapeake and Ohio Rwy. Co.	Passenger transportation	19.25
	Delano & Moore	Albums	8.50
	The Wabash R. R. Co.	Passenger transportation	6.86
28	Terre Haute and Indianapolis R. R. Co.	do	19.25
	Grand Trunk Rwy. System	do	16.42
30	John Hamilton et al.	Salaries	234.00
May 13	United States Express Co.	Transportation	.60
18	Chicago and Northwestern Rwy. Co.	do	11.00
	Pennsylvania Company	do	12.00
	St. Louis and San Francisco R. R. Co.	do	23.50
	New York, New Haven and Hartford R. R. Co.	do	4.30
20	A. McCreary	Frames	18.00
26	Washington and Southern Rwy. Co.	Passenger transportation	8.30
26	St. Louis and San Francisco R. R. Co.	Passenger transportation	32.00
31	Jno. Hamilton et al.	Salaries	242.00
June 3	Adams Express Co.	Transportation	.45
	The Randolph Paper Box Co.	Pamphlet cases	8.10
4	John Hamilton	Traveling expenses	53.53
6	Yawman & Erbe Manufacturing Co.	Cabinet	78.25
20	W. B. Moses & Sons	Cases, etc.	12.50
25	John Hamilton	Traveling expenses	19.10
30	John Hamilton et al.	Salaries	234.00
	Total fourth quarter		1,061.91
	<i>Supplemental.</i>		
July 5	Delano & Moore	Photo supplies	44.28
20	Baltimore and Ohio R. R. Co.	Passenger transportation	19.50
	National Electrical Supply Co.	Desk fan	8.50
26	F. M. Heaton	Making charts	10.00
30	Seaboard Air Line Rwy.	Passenger transportation	28.30
3	St. Louis and San Francisco R. R.	do	10.62
Aug. 3	Southern Printers' Supply Co.	Electros	2.50
16	Delano & Moore	Photo supplies	10.71
17	John Craig	Lantern slides, etc.	100.00
18	Manhattan Electric Supply Co.	Fan	17.50
	R. A. Pearson	Photos	75.00
	H. J. Wheeler	do	100.00
	Library Bureau	Cabinet	120.00
	F. C. Stewart	Slides	75.00
	C. E. Thorne	Photos	75.00
Sept. 19	Chicago, Rock Island and Pacific Rwy. Co.	Passenger transportation	10.15

*Expenditures of the Department of Agriculture for fiscal year ending June 30, 1904—Cont'd.*

FARMERS' INSTITUTES—Continued.

Date.	Name.	Nature of payment.	Total.
<i>Supplemental—Continued.</i>			
1904. Sept. 19	Pennsylvania Co. ....	Passenger transportation .....	\$8. 10
	Baltimore and Ohio R. R. Co. ....	.....do. ....	11. 00
20	Adams Express Co. ....	Transportation .....	. 50
24	Baltimore and Ohio R. R. Co. ....	Passenger transportation .....	14. 25
	.....do. ....	.....do. ....	14. 25
	Total .....		755. 16

RECAPITULATION.

Total first quarter .....	\$802. 55
Total second quarter .....	1,069. 34
Total third quarter .....	1,035. 04
Total fourth quarter .....	1,061. 91
Total supplemental .....	755. 16
Total .....	4,724. 00

NUTRITION INVESTIGATIONS.

Date.	Name.	Nature of payment.	Total.
1903. July 21	H. C. White .....	Report of studies .....	\$150. 00
23	Thos. Cook & Son. ....	Passenger transportation .....	90. 00
31	C. F. Langworthy et al. ....	Salaries .....	407. 80
Aug. 1	A. B. Albro et al. ....	Pay roll .....	930. 43
	C. D. Woods .....	Salary .....	84. 20
4	R. C. Ballantyne .....	Pens .....	2. 60
5	L. D. Mills .....	Copper tank, etc .....	22. 16
	McLeod, Ward & Co. ....	Pulleys, etc .....	12. 63
19	H. A. Pratt .....	Expenses .....	35. 00
	Helen W. Atwater .....	Report .....	150. 00
	Library Bureau .....	Cards .....	1. 50
	Safford Stamp Works .....	Numbering machine .....	5. 25
31	C. F. Langworthy et al. ....	Salaries .....	407. 80
Sept. 3	C. D. Woods .....	Salary .....	84. 20
4	A. B. Albro et al. ....	Pay roll .....	617. 61
9	Yawman & Erbe Manufacturing Co. ....	Cards .....	1. 75
11	American Electric Works .....	Wire, etc .....	7. 67
18	Thos. Cook & Son. ....	Passenger transportation .....	31. 36
19	New York, New Haven and Hartford R. R. Co. ....	.....do. ....	2. 10
21	Southern Printers' Supply Co. ....	Electros .....	. 55
24	C. F. Langworthy .....	Traveling expenses .....	13. 40
30	C. F. Langworthy et al. ....	Salaries .....	394. 40
	Total first quarter .....		3,452. 41
Oct. 6	Chas. D. Wood .....	Salary .....	81. 60
7	Francis G. Benedict et al. ....	Pay roll .....	439. 60
21	.....do. ....	Expenses .....	54. 56
23	Densmore Typewriter Co. ....	Repairs .....	13. 75
24	Stanley & Patterson .....	Electrical supplies .....	23. 38
28	H. S. Grindley .....	Report .....	500. 00
29	Eimer & Amend .....	Extractors, etc .....	19. 20
31	C. F. Langworthy et al. ....	Salaries .....	407. 80
Nov. 4	Francis G. Benedict et al. ....	Pay roll .....	754. 22
	Chas. D. Woods .....	Salary .....	84. 20
13	Thos. Cook & Son. ....	Passenger transportation .....	38. 60
16	R. D. Milner .....	Traveling expenses .....	75. 36
30	C. F. Langworthy et al. ....	Salaries .....	231. 40
Dec. 2	The Middleton Electric Light Co. ....	Electric power .....	12. 83
	The Cox Brass Manufacturing Co. ....	Tubing .....	11. 26
3	W. O. Atwater et al. ....	Pay roll .....	836. 60
4	Chas. D. Wood .....	Salary .....	81. 60
14	Harlow Raymond .....	Thermometers, etc .....	151. 50
15	W. O. Atwater .....	Expenses .....	95. 32
16	J. M. Van Vleck .....	Electric power, etc .....	96. 25
	Middletown Gas Light Co. ....	Gas .....	27. 58
	The Middletown Electric Light Co. ....	Electric power .....	27. 93
	Pelton & King .....	Record blanks .....	12. 00
	Lyman D. Mills .....	Unions, etc .....	16. 83
18	Thos. Cook & Son. ....	Passenger transportation .....	93. 00
28	C. F. Langworthy .....	Traveling expenses .....	46. 64
31	C. F. Langworthy et al. ....	Salaries .....	239. 30
	Total second quarter .....		4,472. 31



EXPENDITURES IN DEPARTMENT OF AGRICULTURE. 183

Expenditures of the Department of Agriculture for fiscal year ending June 30, 1904—Cont'd.

NUTRITION INVESTIGATIONS—Continued.

Date.	Name.	Nature of payment.	Total
1904.			
Jan. 5	W. O. Atwater et al.	Pay roll	\$1,012.65
	Chas. D. Woods	Salary	84.20
14	Harry Snyder	Report	500.00
25	Thos. Cook & Son	Passenger transportation	19.30
26	American Spirits Manufacturing Co.	Alcohol	23.98
	Adams Express Co.	Transportation	.90
31	C. F. Langworthy	Salary	170.30
Feb. 2	W. O. Atwater et al.	Pay roll	955.05
	Chas. D. Woods	Salary	85.20
	H. S. Grindley	Traveling expenses	57.90
	W. O. Atwater	Expenses	69.93
12	Whitall, Tatum Co.	Watch glasses, etc.	8.45
	Wilcox, Crittenden & Co.	Castings	22.56
	Eimer & Amend	Chemicals, etc.	14.19
	Noxon & Whitney Co.	Hardware	10.79
	Densmore Typewriter Co.	Repairing typewriter	5.00
	General Electric Co.	Repairs	8.67
15	C. F. Langworthy	Traveling expenses	29.80
17	Baltimore and Ohio R. R. Co.	Passenger transportation	17.00
18	Pennsylvania R. R. Co.	do	15.95
	Pittsburg, Cincinnati, Chicago and St. Louis Rwy. Co.	do	12.75
	Illinois Central R. R. Co.	do	3.83
27	Western Union Telegraph Co.	Telegraph service	.70
29	C. F. Langworthy	Salary	159.40
Mar. 2	Chas. D. Woods	do	79.60
	W. O. Atwater et al.	do	817.25
3	do	Expenses	36.00
	The Geo. W. Knox Express Co.	Transportation	.63
21	Wilcox, Crittenden & Co.	Castings	12.49
	Middletown Gas Light Co.	Gas	42.00
23	W. O. Atwater	Expenses	114.80
24	C. E. Wait	Reports	500.00
	Total third quarter		4,891.27
Apr. 4	Chas. D. Woods	Salary	85.20
	W. O. Atwater et al.	Pay roll	659.95
11	Eimer & Amend	Bunsen burner, etc.	16.50
	Lucius R. Hazen	Stationery supplies	46.23
	W. O. Atwater	Expenses	31.60
	do	do	106.00
19	H. S. Grindley	Report	500.00
20	W. O. Atwater	Traveling expenses	22.30
	do	do	10.45
	do	do	10.65
	J. M. Van Vleck	Electric light, etc.	162.57
	Cleveland, Cincinnati, Chicago and St. Louis Rwy. Co.	Passenger transportation	8.65
May 2	Chas. D. Woods	Salary	82.40
	W. O. Atwater et al.	Pay roll	625.44
9	Francis G. Benedict	Expenses	60.00
13	Western Union Telegraph Co.	Telegraph service	.81
16	Middletown Electric Light Co.	Electric power	23.81
19	M. E. Jaffa	Report	500.00
24	W. O. Atwater	Traveling expenses	108.80
June 2	do	do	225.64
8	Chas. D. Woods	Salary	85.20
	W. O. Atwater et al.	Pay roll	767.20
	Howard L. Knight	Traveling expenses	2.25
11	Middletown Gas Light Co.	Gas	25.90
21	C. F. Langworthy	Traveling expenses	13.15
30	do	Salary	164.80
	Total fourth quarter		4,345.50
	<i>Supplemental.</i>		
July 2	Chas. D. Woods	Salary	82.40
5	W. O. Atwater et al.	Pay roll	978.82
11	W. O. Atwater	Traveling expenses	12.60
14	do	Expenses	129.35
19	H. S. Grindley	Reports	500.00
	L. R. Hazen	Labels, etc.	10.28
	M. E. Jaffa	Report	500.00
	Noxon & Whitney Co.	Files, etc.	7.03
	Stanley & Patterson (Incorporated)	Lamps	26.87
	Harry Snyder	Report	250.00
	C. E. Wait	do	250.00

184 EXPENDITURES IN DEPARTMENT OF AGRICULTURE.

Expenditures of the Department of Agriculture for fiscal year ending June 30, 1904—Cont'd.

NUTRITION INVESTIGATIONS—Continued.

Date.	Name.	Nature of payment.	Total.
<i>Supplemental—Continued.</i>			
1904. July 23	Pennsylvania R. R. Co.....	Passenger transportation.....	\$6.50
	Southern Rwy. Co.....	.....do.....	7.40
	.....do.....	.....do.....	20.20
Aug. 18	Geo. D. Feidt.....	Blast apparatus.....	20.00
	Pelton & King.....	Paper.....	21.00
	Total.....		2,822.45

RECAPITULATION.

Total first quarter.....	\$3,452.41
Total second quarter.....	4,472.31
Total third quarter.....	4,891.27
Total fourth quarter.....	4,345.50
Total supplemental.....	2,822.45
Total.....	19,983.94

IRRIGATION INVESTIGATIONS.

Date.	Name.	Nature of payment.	Total.
1903. July 20	Hamburg American Line.....	Passenger transportation.....	\$111.50
21	A. F. Johnston.....	Traveling expenses.....	20.95
22	C. T. Johnston.....	.....do.....	25.65
23	R. T. Ely.....	.....do.....	20.90
24	David Lindsay.....	Hotel coupons.....	104.00
28	The Lupkin Rule Co.....	Steel tapes.....	20.63
31	E. Mead et al.....	Salaries.....	1,048.65
Aug. 3	C. T. Johnston et al.....	Pay roll.....	1,188.90
	C. G. Elliott.....	Salary.....	151.60
	Fred. Roediger.....	.....do.....	50.00
	A. R. Whitson.....	.....do.....	100.00
10	R. T. Ely.....	Traveling expenses.....	64.10
	.....do.....	Salary.....	40.00
	W. C. Sturdevant.....	.....do.....	52.00
	W. B. Gregory.....	.....do.....	130.00
	L. G. C. Mayer.....	.....do.....	84.20
14	C. E. Tait.....	Traveling expenses.....	58.05
	A. P. Stover et al.....	Pay roll.....	262.20
17	S. H. Seekner.....	Photographs.....	3.00
19	Wm. C. Sturdevant.....	Traveling expenses.....	15.15
	Albert E. Wright.....	.....do.....	48.69
	W. B. Dunton.....	.....do.....	22.80
	O. V. P. Stout.....	.....do.....	52.70
	The Geo. Tritch Hardware Co.....	Boots, etc.....	18.00
	.....do.....	Waders.....	12.00
	J. E. Stinson.....	Picture frames.....	16.31
	W. & L. E. Gurley.....	Wrenches, etc.....	6.60
	Library Bureau.....	Cards, etc.....	22.72
	M. A. Seed Dry Plate Co.....	Chemicals.....	10.42
	Frank Adams.....	Traveling expenses.....	39.53
	J. G. Haney.....	Salary.....	80.00
22	Clarence T. Johnston.....	Expenses.....	33.53
	.....do.....	Traveling expenses.....	42.55
	Remington Typewriter Co.....	Type, etc.....	13.10
26	Alfred J. Turner.....	Traveling expenses.....	75.75
	Thos. May.....	Waders.....	24.00
27	C. G. Elliott.....	Traveling expenses.....	63.10
28	Morton A. Aldrich.....	Salary.....	130.00
31	Elwood Mead et al.....	Salaries.....	1,159.35
Sept. 1	W. B. Gregory.....	Traveling expenses.....	23.72
3	Samuel Fortier.....	.....do.....	25.81
	R. T. Ely.....	.....do.....	104.40
	C. G. Elliott.....	Salary.....	151.60
9	A. P. Stover et al.....	Pay roll.....	262.20
	C. T. Johnston et al.....	.....do.....	1,310.20
	A. R. Whitson.....	Salary.....	100.00
11	The A. Lutz Co.....	Soil thermometers.....	39.60
	W. & L. E. Gurley.....	Commutator box.....	7.50
16	R. T. Ely.....	Salary.....	240.00
	M. A. Aldrich.....	.....do.....	130.00
	W. B. Gregory.....	.....do.....	130.00
	W. C. Sturdevant.....	.....do.....	52.00

EXPENDITURES IN DEPARTMENT OF AGRICULTURE. 185

Expenditures of the Department of Agriculture for fiscal year ending June 30, 1904—Cont'd.

IRRIGATION INVESTIGATIONS—Continued.

Date.	Name.	Nature of payment.	Total.
1903.			
Sept. 16	C. E. Tait.....	Traveling expenses.....	\$107.60
	J. E. Roadhouse.....	do.....	107.90
	C. T. Johnston.....	do.....	57.65
	do.....	Expenses.....	34.61
17	L. G. C. Mayer.....	Traveling expenses.....	39.34
	J. S. Baker.....	do.....	45.60
	A. E. Wright.....	do.....	48.70
	O. V. P. Stout.....	do.....	38.45
	W. C. Sturdevant.....	do.....	16.01
	Samuel Fortier.....	do.....	37.70
	W. B. Gregory.....	do.....	66.05
	Frank Fowler.....	do.....	17.40
	L. G. C. Mayer.....	do.....	72.05
19	New York Central and Hudson River R. R. Co.	Passenger transportation.....	32.75
22	J. E. Roadhouse.....	Traveling expenses.....	29.30
	A. J. Turner.....	do.....	2.80
	J. G. Haney.....	Salary.....	130.00
	A. B. Crane.....	do.....	160.00
24	A. P. Stover.....	Traveling expenses.....	77.15
	W. & L. E. Gurley.....	Time recorder.....	6.40
28	E. B. Voorhees.....	Salary.....	105.00
	Morton A. Aldrich.....	Traveling expenses.....	51.25
	Wm. Francis Bartlett.....	do.....	16.20
	C. G. Elliott.....	do.....	58.35
	Frank Adams.....	do.....	81.40
30	Elwood Mead.....	Salaries.....	1,055.40
	Total first quarter.....		10,494.72
Oct. 6	C. G. Elliott.....	Salary.....	146.80
	A. R. Whitson.....	do.....	100.00
9	Alfred J. Turner.....	do.....	97.80
12	Clarence T. Johnston et al.	Pay roll.....	1,235.72
	do.....	Traveling expenses.....	21.25
	do.....	Expenses.....	19.25
14	Elwood Mead.....	Traveling expenses.....	701.47
	do.....	do.....	27.15
17	C. G. Elliott.....	do.....	81.79
19	C. E. Tait.....	do.....	30.25
	Burton P. Fleming.....	do.....	152.25
	W. B. Gregory.....	do.....	6.45
	O. V. P. Stout.....	do.....	167.81
	W. B. Dunton.....	do.....	198.58
	William F. Bartlett.....	do.....	210.05
	Albert E. Wright.....	do.....	62.60
	L. G. C. Mayer.....	do.....	41.70
	Walter B. Dunton.....	do.....	22.40
	James Withycombe.....	Salary.....	105.00
	W. B. Gregory.....	do.....	140.00
	Fred. Roediger.....	do.....	50.00
21	A. J. Turner.....	Traveling expenses.....	3.70
	J. G. Haney.....	Salary.....	137.50
	Amy B. Hill.....	Traveling expenses.....	62.00
23	Hiram Sapp.....	Rent.....	180.00
	George Walkinshaw.....	Services.....	60.00
28	Blue Line Transfer Co.....	Transportation.....	25
	W. B. Moses & Sons.....	Chair.....	7.20
31	The Colorado and Southern Rwy. Co.....	Transportation.....	10.45
	Pennsylvania R. R. Co.....	do.....	6.50
	Union Pacific R. R. Co.....	do.....	53.65
	do.....	do.....	22.60
	Oregon Short Line R. R. Co.....	do.....	30.80
	Chicago and Northwestern Rwy. Co.....	do.....	59.30
	Denver and Rio Grande R. R. Co.....	do.....	22.00
	Elwood Mead et al.	Salaries.....	1,094.77
Nov. 2	Wm. C. Sturdevant.....	Salary.....	58.00
3	Burton P. Fleming.....	Expenses.....	5.00
	Wm. F. Bartlett.....	Traveling expenses.....	3.75
4	Wm. C. Sturdevant.....	do.....	45.30
	Francis A. Bartholow.....	do.....	19.25
	E. R. Morgan.....	do.....	36.45
	do.....	do.....	55.90
	do.....	do.....	62.40
	A. R. Whitson.....	Salary.....	100.00
	Francis A. Bartholow.....	do.....	60.87
5	Frank Adams.....	Traveling expenses.....	95.85
7	Capital Traction Co.....	Car tickets.....	3.00
	Clarence E. Tait et al.....	Pay roll.....	923.00



Expenditures of the Department of Agriculture for fiscal year ending June 30, 1904—Cont'd.

## IRRIGATION INVESTIGATIONS—Continued.

Date.	Name.	Nature of payment.	Total.
1903.			
Nov. 13	E. Morrison Paper Co.	Manila paper	\$2.00
	Elwood Mead	Traveling expenses	30.12
	do.	do.	15.65
16	C. G. Elliott	do.	79.08
	A. J. Turner	Salary	101.10
	C. G. Elliott	do.	151.60
	Burton P. Fleming	Traveling expenses	51.75
	Samuel Fortier	do.	46.20
18	do.	do.	61.05
19	A. E. Wright	do.	79.75
	W. B. Gregory	do.	32.58
	C. E. Tait	Expenses	22.30
23	C. G. Elliott	Salary	24.46
24	Alberto Alfani	Traveling expenses	8.80
	Frank Adams	do.	63.30
30	J. G. Haney	Salary	135.00
Dec. 2	Elwood Mead et al.	Salaries	1,235.19
	Clarence E. Tait et al.	Pay roll	933.67
4	A. R. Whitson	Traveling expenses	23.40
	Arthur P. Stover	do.	67.59
	A. J. Turner	do.	39.39
	do.	Salary	122.20
5	C. E. Tait	Traveling expenses	73.90
	do.	do.	18.60
9	A. R. Whitson	Salary	100.00
10	Miriam C. Vance	Traveling expenses	19.60
11	Elwood Mead	do.	46.85
12	Alfred J. Turner	do.	4.20
	Walter B. Dunton	do.	44.25
14	Samuel Fortier	do.	11.15
	C. E. Tait	Expenses	13.15
16	Pulman Automatic Ventilator Co.	Ventilator	5.00
18	Southern California Rwy. Co.	Passenger transportation	3.15
	Burlington and Missouri River R. R. in Nebraska.	do.	12.45
	Chicago and Northwestern Rwy. Co.	do.	47.72
	Chicago and Alton Rwy. Co.	do.	3.68
	Northern Pacific Rwy. Co.	do.	31.00
	Oregon Short Line R. R. Co.	do.	20.20
	The Colorado and Southern Rwy. Co.	do.	11.90
	The Minneapolis and St. Louis R. R. Co.	do.	3.77
19	C. G. Elliott	Traveling expenses	38.38
28	Union Pacific R. R. Co.	Passenger transportation	114.15
31	Elwood Mead et al.	Salaries	1,392.35
	Total second quarter		12,179.35
1904.			
Jan 5	Frank Adams	Traveling expenses	95.00
	Clarence E. Tait	Pay roll	802.80
	Alfred J. Turner	Salary	126.40
	A. B. Crain	do.	90.00
6	A. E. Wright	Traveling expenses	69.50
14	A. R. Whitson	Salary	100.00
	C. E. Tait	Expenses	14.75
	Hiram Sapp	Rent	180.00
19	W. B. Gregory	Traveling expenses	20.35
20	J. S. Baker	Salary	492.37
25	Union Pacific R. R. Co.	Passenger transportation	18.30
	Oregon Short Line R. R. Co.	do.	33.10
	The Atchison, Topeka and Santa Fe Rwy. Co.	do.	8.45
	Baltimore and Ohio R. R. Co.	do.	20.00
	Pennsylvania R. R. Co.	do.	43.90
	do.	do.	43.90
26	Frank Adams	Traveling expenses	68.70
	E. B. Voorhees	Salary	350.00
28	Elwood Mead	Traveling expenses	16.70
29	Samuel Fortier	do.	69.60
	E. R. Morgan	do.	84.10
31	Elwood Mead et al.	Salaries	1,306.00
Feb. 2	Clarence E. Tait et al.	Pay roll	828.00
	A. J. Turner	Salary	127.70
	Arthur P. Stover	Traveling expenses	48.80
4	J. S. Baker	Salary	102.20
	Richard T. Fly	do.	260.00
	Walter W. McLaughlin	do.	52.75
	Frank Adams	Traveling expenses	2.50
6	E. R. Morgan	do.	54.20
	do.	do.	53.85

Expenditures of the Department of Agriculture for fiscal year ending June 30, 1904—Cont'd.

## IRRIGATION INVESTIGATIONS—Continued.

Date.	Name.	Nature of payment.	Total.
1904.			
Feb. 6	Gordon H. True.....	Salary.....	\$45.00
11	A. J. Turner.....	Traveling expenses.....	6.10
	A. R. Whitson.....	Salary.....	100.00
12	C. E. Tait.....	Traveling expenses.....	14.30
	Samuel Fortier.....	do.....	20.25
	Eugene Dietzgen Co.....	Lettering angles.....	1.80
17	Henrietta Bond.....	Salary.....	45.00
18	Union Pacific R. R. Co.....	Passenger transportation.....	20.60
	Pennsylvania Company.....	do.....	17.50
	Southern Rwy. Co.....	do.....	23.00
	The Chesapeake and Ohio Rwy. Co.....	do.....	27.40
	Chicago and Northwestern Rwy. Co.....	do.....	9.85
	Illinois Central R. R. Co.....	do.....	4.60
24	Pauline Coith.....	Translating.....	95.00
	Delano & Moore.....	Iconoscope, etc.....	7.97
27	Western Union Telegraph Co.....	Telegraph service.....	8.24
29	Elwood Mead et al.....	Salaries.....	1,225.50
Mar. 2	Walter W. McLaughlin.....	Salary.....	95.60
	Alfred J. Turner.....	do.....	119.60
	C. E. Tait.....	Expenses.....	18.45
	Clarence E. Tait et al.....	Pay roll.....	715.54
3	Elwood Mead.....	Traveling expenses.....	95.66
10	E. R. Morgan.....	Salary.....	95.60
	A. R. Whitson.....	do.....	100.00
12	C. E. Tait.....	Expenses.....	40.46
	A. P. Stover.....	Traveling expenses.....	36.40
	O. V. P. Stout.....	do.....	11.85
	A. J. Turner.....	do.....	6.65
	C. G. Elliott.....	do.....	119.87
	J. S. Baker.....	Salary.....	95.60
16	Delano & Moore.....	Photo supplies.....	10.76
17	Chicago, Rock Island and Pacific Rwy. Co.....	Passenger transportation.....	29.50
21	Library Bureau.....	Tray, cards, etc.....	3.00
23	W. B. Dunton.....	Traveling expenses.....	7.90
26	A. H. Baldwin.....	Drawings.....	30.00
28	The Chesapeake and Ohio Rwy. Co.....	Passenger transportation.....	26.80
	The Wabash R. R. Co.....	do.....	4.76
29	Pennsylvania R. R. Co.....	do.....	10.00
	St. Louis Southwestern Rwy. Co.....	do.....	4.02
	Union Pacific R. R. Co.....	do.....	8.60
31	Cleveland, Cincinnati, Chicago and St. Louis Rwy. Co.....	do.....	12.30
	Elwood Mead et al.....	Salaries.....	1,306.00
	Total third quarter.....		10,260.95
Apr. 4	Henrietta Bond.....	Salary.....	20.00
	G. N. Knapp.....	do.....	125.00
	C. E. Tait.....	Pay roll.....	841.65
	A. R. Whitson.....	Salary.....	100.00
	W. W. McLaughlin.....	do.....	102.20
	A. J. Turner.....	do.....	127.70
	J. S. Baker.....	do.....	102.20
9	Hiram Sapp.....	Rent.....	180.00
11	The American Steel and Wire Co.....	Wire rope.....	9.42
	Frank Adams.....	Traveling expenses.....	29.30
12	Gustav E. Stechert.....	Book.....	1.65
	H. A. Shepard & Co.....	Albums.....	7.50
14	W. B. Moses & Sons.....	Sections.....	6.00
	Elwood Mead.....	Traveling expenses.....	180.82
18	Fred. A. Schmidt.....	Level and tape.....	8.80
19	W. & L. E. Gurley.....	Brass tube.....	12.00
	Julien P. Friez.....	Evaporation register.....	235.00
	E. R. Morgan.....	Traveling expenses.....	142.70
	C. E. Tait.....	Expenses.....	35.45
20	The Atchison, Topeka and Santa Fe Rwy. Co.....	Passenger transportation.....	17.00
	Cleveland, Cincinnati, Chicago and St. Louis Rwy. Co.....	do.....	20.00
	Pennsylvania R. R. Co.....	do.....	17.00
21	C. E. Tait.....	Traveling expenses.....	168.13
26	Gordon H. True.....	Salary.....	100.00
27	A. J. Turner.....	Traveling expenses.....	61.85
	Samuel Fortier.....	do.....	67.70
	W. B. Gregory.....	do.....	16.50
28	Chicago and Northwestern Rwy. Co.....	Passenger transportation.....	22.14
	Illinois Central R. R. Co.....	do.....	27.40
	Morgan's Louisiana and Texas R. R. and S. S. Co.....	do.....	5.00
	Remington Typewriter Co.....	Repairs.....	13.25
30	Elwood Mead et al.....	Salaries.....	1,100.95

Expenditures of the Department of Agriculture for fiscal year ending June 30, 1904—Cont'd.

## IRRIGATION INVESTIGATIONS—Continued.

Date.	Name.	Nature of payment.	Total.
1904.			
May 4	Keuffel & Esser Co. ....	Rod. ....	\$13.50
	Gatchel & Manning. ....	Engraving. ....	8.50
	The Publishers and Printers' Engraving Co. ....	do. ....	29.33
	do. ....	do. ....	21.02
6	Remington Typewriter Co. ....	Typewriter. ....	92.25
7	William P. Fletcher. ....	Salary. ....	260.00
	Alfred J. Turner. ....	do. ....	123.60
	Frank Adams. ....	do. ....	107.10
	A. R. Whitson. ....	do. ....	100.00
	C. G. Elliott. ....	do. ....	164.80
	Walter W. McLaughlin. ....	do. ....	98.90
	G. N. Knapp. ....	do. ....	125.00
	J. S. Baker. ....	do. ....	98.90
9	O. V. P. Stout et al. ....	Pay roll. ....	529.90
11	W. B. Gregory. ....	Salary. ....	150.00
13	Western Union Telegraph Co. ....	Telegraph service. ....	12.53
	Capital Traction Co. ....	Tickets. ....	3.00
	U. S. Express Co. ....	Transportation. ....	5.40
	The Maurice Joyce Engraving Co. ....	Engraving. ....	17.62
	Adams Express Co. ....	Transportation. ....	.60
16	Yawman & Erbe Manufacturing Co. ....	Copier. ....	40.25
	Delano & Moore. ....	Films. ....	9.60
	Andrew B. Graham. ....	Photo-lithographs, etc. ....	46.00
	Woodward & Lothrop. ....	Matting, etc. ....	18.26
	Remington Typewriter Co. ....	Repairs to typewriter. ....	8.45
	do. ....	do. ....	1.95
	Elwood Mead. ....	Traveling expenses. ....	219.50
	Alfred J. Turner. ....	do. ....	81.65
	Arthur P. Stover. ....	do. ....	19.45
	H. Culbertson. ....	do. ....	22.58
	Frank Adams. ....	do. ....	61.00
	C. E. Tait. ....	Salary. ....	131.90
18	Chicago and Northwestern Rwy. Co. ....	Passenger transportation. ....	7.84
	W. B. Gregory. ....	Salary. ....	10.00
	do. ....	Traveling expenses. ....	6.50
	Walter W. McLaughlin. ....	Expenses. ....	61.25
	Pauline Coith. ....	Translating. ....	100.00
	Chicago, Great Western Rwy. Co. ....	Passenger transportation. ....	54.25
19	Gordon H. True. ....	Salary. ....	100.00
20	William F. Bartlett. ....	Traveling expenses. ....	39.75
23	H. Culbertson. ....	Salary. ....	80.00
	C. G. Elliott. ....	Traveling expenses. ....	30.76
	C. E. Tait. ....	Expenses. ....	17.80
24	Aug. J. Bowie, jr. ....	Traveling expenses. ....	115.60
	J. Manz Engraving Co. ....	Engravings. ....	47.00
	Julien P. Friez. ....	Anemometer. ....	25.00
	Lemck & Buechner. ....	Periodicals. ....	17.50
26	Swayze, Bailey & Co. ....	Calendar and stand. ....	.75
	Union Pacific R. R. Co. ....	Passenger transportation. ....	52.15
	St. Louis and San Francisco R. R. Co. ....	do. ....	10.10
	Kansas City Southern Rwy. Co. ....	do. ....	11.65
	O. L. Waller. ....	Services. ....	560.00
31	Elwood Mead et al. ....	Salaries. ....	1,059.00
June 1	Clarence E. Tait et al. ....	do. ....	596.20
2	Albert E. Wright. ....	Salary. ....	93.30
	G. N. Knapp. ....	do. ....	125.00
	Walter W. McLaughlin. ....	do. ....	102.20
	James Withycombe. ....	do. ....	350.00
	John Jesse Vernon. ....	do. ....	125.00
	A. R. Whitson. ....	do. ....	100.00
	William P. Fletcher. ....	do. ....	250.00
	Gordon H. True. ....	do. ....	100.00
	W. R. Thomas. ....	do. ....	125.00
	William F. Bartlett. ....	do. ....	25.00
	E. B. Voorhees. ....	do. ....	400.00
	C. E. Tait. ....	do. ....	220.10
	John T. Stewart. ....	do. ....	69.23
	Arthur P. Stover et al. ....	Salaries. ....	395.64
	C. G. Elliott. ....	Salary. ....	170.40
3	C. L. Berger & Sons. ....	Meters. ....	271.00
	American Writing Machine Co. ....	Paper. ....	19.00
	Adams Express Co. ....	Transportation. ....	10.75
	W. & L. E. Gurley. ....	Buzzers, etc. ....	96.90
	Jared G. Smith. ....	Salary. ....	255.50
6	Woodward & Lothrop. ....	Matting. ....	45.75
8	Aug. J. Bowie, jr. ....	Salary. ....	100.00
11	J. S. Baker. ....	do. ....	102.20
	Henrietta Bond. ....	do. ....	10.00
	C. E. Tait. ....	Expenses. ....	42.53
	A. P. Stover. ....	Traveling expenses. ....	81.32



EXPENDITURES IN DEPARTMENT OF AGRICULTURE. 189

Expenditures of the Department of Agriculture for fiscal year ending June 30, 1904—Cont'd.

IRRIGATION INVESTIGATIONS—Continued.

Date.	Name.	Nature of payment.	Total.
1904.			
June 11	Alfred J. Turner.....	Traveling expenses.....	\$64.85
	W. W. McLaughlin.....	.....do.....	118.15
14	H. Culbertson.....	Salary.....	180.00
	C. G. Elliott.....	Traveling expenses.....	75.72
	Frank Adams.....	.....do.....	102.30
15	H. Culbertson.....	.....do.....	87.25
16	John T. Stewart.....	Expenses.....	7.00
	.....do.....	Traveling expenses.....	41.57
	Samuel Fortier.....	.....do.....	74.20
20	W. B. Moses & Sons.....	Unit, etc.....	6.00
	Delano & Moore.....	Plates, etc.....	25.97
	C. L. Berger & Sons.....	Repairs to meter.....	48.00
	Julien P. Friez.....	Register.....	40.00
	Julius Lansburgh.....	Couch.....	30.00
	The Publishers and Printers' Engraving Co.....	Engraving.....	45.82
	Fred. A. Schmidt.....	Level.....	4.00
	Remington Typewriter Co.....	Typewriter.....	92.25
	Western Union Telegraph Co.....	Telegraph service.....	5.16
	Yawman & Erbe Manufacturing Co.....	Desks, etc.....	208.07
	Fred. C. White.....	Demi-johns.....	10.00
21	Walter D. McLaughlin.....	Expenses.....	159.00
22	W. W. McLaughlin.....	.....do.....	162.96
29	Yawman & Erbe Manufacturing Co.....	Roller.....	1.50
	Felt & Tarrant Manufacturing Co.....	Two comptometers.....	300.00
	Keuffel & Esser Co.....	Telemeter rod.....	13.50
30	Elwood Mead.....	Traveling expenses.....	61.03
	Elwood Mead et al.....	Salaries.....	911.35
	Total fourth quarter.....		16,071.37
	<i>Supplemental.</i>		
July 2	Morton A. Aldrich.....	Salary.....	805.00
6	Clarence E. Tait et al.....	Salaries.....	480.50
	Arthur P. Stover et al.....	.....do.....	429.60
	Morton A. Aldrich.....	Salary.....	320.00
	Albert Eugene Wright.....	.....do.....	100.00
	W. B. Gregory.....	.....do.....	225.00
	Gordon H. True.....	.....do.....	100.00
	A. R. Whitson.....	.....do.....	100.00
	John Jesse Vernon.....	.....do.....	125.00
	W. R. Thomas.....	.....do.....	130.00
	Thomas C. Mead.....	.....do.....	25.00
	Aug. J. Bowie, jr.....	.....do.....	100.00
	John T. Stewart.....	.....do.....	98.90
	William F. Bartlett.....	.....do.....	25.00
	J. S. Baker.....	.....do.....	98.90
	William P. Fletcher.....	.....do.....	260.00
	Walter W. McLaughlin.....	.....do.....	98.90
	D. W. May.....	.....do.....	247.25
	G. N. Knapp.....	.....do.....	54.17
	H. Culbertson.....	.....do.....	100.00
11	C. G. Elliott.....	.....do.....	164.80
	H. Culbertson.....	Traveling expenses.....	100.25
	B. P. Fleming.....	.....do.....	11.30
	Thos. C. Mead.....	.....do.....	71.25
	W. W. McLaughlin.....	.....do.....	75.54
	Jno. T. Stewart.....	.....do.....	70.54
	R. P. Teele.....	.....do.....	85.60
	C. E. Tait.....	Expenses.....	49.62
14	.....do.....	.....do.....	3.27
	A. J. Bowie, jr.....	Traveling expenses.....	151.71
	B. P. Fleming.....	Services.....	98.90
	O. L. Waller.....	.....do.....	240.00
9	E. F. Curt.....	.....do.....	82.40
	J. G. Smith.....	.....do.....	247.25
15	W. B. Gregory.....	Traveling expenses.....	120.47
18	Frank Adams.....	.....do.....	97.83
	C. G. Elliott.....	.....do.....	78.57
	O. V. P. Stout.....	.....do.....	48.95
	A. P. Stover.....	.....do.....	131.85
	C. E. Tait.....	.....do.....	307.98
	Luther Foster.....	Report on irrigation.....	750.00
	W. B. Moses & Sons.....	Chairs.....	11.20
19	Samuel Fortier.....	Services for report.....	900.00
	C. T. Johnston.....	.....do.....	750.00
	Louis Pignolet.....	Ammeters.....	26.00
	Hiram Sapp.....	Rent of rooms.....	180.00
	E. J. Wickson.....	Services for report.....	300.00
20	Remington Typewriter Co.....	Repairs to typewriter.....	11.25

Expenditures of the Department of Agriculture for fiscal year ending June 30, 1904—Cont'd.

## IRRIGATION INVESTIGATIONS—Continued.

Date.	Name.	Nature of payment.	Total.
<i>Supplemental—Continued.</i>			
1904			
July 20	F. A. Schmidt .....	Planimeter .....	\$31.00
	A. E. Wright .....	Traveling expenses .....	93.55
	Woodward & Lothrop .....	Desks .....	55.94
23	Pennsylvania R. R. Co. ....	Passenger transportation .....	8.53
30	The Chesapeake and Ohio Rwy. Co. ....	do .....	19.55
	Cleveland, Cincinnati, Chicago and St. Louis Rwy. Co. ....	do .....	17.50
	Illinois Central R. R. Co. ....	do .....	12.11
	Union Pacific R. R. Co. ....	do .....	15.40
	Oregon Short Line R. R. Co. ....	do .....	5.70
	Northern Pacific Rwy. Co. ....	do .....	8.70
	The Oregon R. R. and Navigation Co. ....	do .....	12.05
Aug. 3	Delano & Moore .....	Films .....	8.00
17	The Bristol Co. ....	Ammeter .....	67.20
18	J. S. J. Lallie .....	Register .....	45.00
25	R. P. Teele .....	Expenses .....	7.00
26	Western Union Telegraph Co. ....	Telegraph service .....	2.40
Sept. 6	W. F. Bartlett .....	Salary .....	49.45
19	The Wabash R. R. Co. ....	Passenger transportation .....	15.10
	The Texas and Pacific Rwy. Co. ....	do .....	6.60
	The Atchison, Topeka and Santa Fe Rwy. Co. ....	do .....	18.15
	Chicago and Alton Rwy. Co. ....	do .....	7.50
	Chicago and Northwestern Rwy. Co. ....	do .....	6.25
	Chicago, Rock Island and Pacific Rwy. Co. ....	do .....	10.70
	Oregon Short Line R. R. Co. ....	do .....	15.20
	Pennsylvania R. R. Co. ....	do .....	45.65
	San Antonio and Aransas Pass Rwy. Co. ....	do .....	3.10
	The Missouri Pacific Rwy. Co. ....	do .....	7.50
	Union Pacific R. R. Co. ....	do .....	14.02
	do .....	do .....	1.50
20	Adams Express Co. ....	Transportation .....	16.45
	The Geo. W. Knox Express Co. ....	do .....	2.40
	Delano & Moore .....	Photo supplies .....	115.03
	Henion & Hubbell .....	Pump and hose .....	32.72
	C. P. & J. Lanson .....	Hose .....	38.40
24	W. & L. E. Gurley .....	Transit, etc .....	417.20
	Western Union Telegraph Co. ....	Telegraph service .....	4.26
	Chicago, Indianapolis and Louisville Rwy. Co. ....	Passenger transportation .....	17.50
	Total .....		10,344.06

## RECAPITULATION.

Total first quarter .....	\$10,494.72
Total second quarter .....	12,179.35
Total third quarter .....	10,260.95
Total fourth quarter .....	16,071.37
Total supplemental .....	10,344.06
Total .....	59,350.45

## PAID BY UNITED STATES TREASURY.

Date.	Name.	Nature of payment.	Total.
1903.			
Oct. 26	The Public Printer .....	Printing bulletins .....	\$1,848.39
Dec. 19	The Atchison, Topeka and Santa Fe Rwy. Co. ....	Passenger transportation .....	40.00
1904.			
Jan. 15	The Public Printer .....	Printing bulletins .....	230.14
	Southern Pacific Co. ....	Passenger transportation .....	5.40
Feb. 17	do .....	do .....	65.00
	do .....	do .....	5.90
Apr. 14	The Atchison, Topeka and Santa Fe Rwy. Co. ....	do .....	5.90
	do .....	do .....	7.25
	The Public Printer .....	Printing bulletins .....	368.29
June 20	Union Pacific R. R. Co. ....	Passenger transportation .....	21.30
Sept. 8	The Public Printer .....	Printing bulletins .....	180.00
	Chicago and Northwestern Rwy. Co. ....	Passenger transportation .....	50.00
	The Atchison, Topeka and Santa Fe Rwy. Co. ....	do .....	10.75
	Southern Pacific Co. ....	do .....	33.00
	Total .....		2,871.32

Expenditures of the Department of Agriculture for fiscal year ending June 30, 1904—Cont'd.

PUBLIC ROAD INQUIRIES.

Date.	Name.	Nature of payment.	Total.
1903.			
July 20	M. O. Eldridge	Traveling expenses	\$14.95
25	Martin Dodge	do	60.43
31	L. W. Page et al.	Salaries	591.21
Aug. 4	B. P. Murray	Lantern slides	7.05
5	W. L. Spoon	Salary	100.00
	J. H. Dodge	do	100.00
	C. T. Harrison	do	100.00
	E. W. Sheets	do	78.00
	J. H. Eldridge	do	75.00
6	L. W. Page	Traveling expenses	15.40
10	J. F. Brown	Salary	192.00
	do	Traveling expenses	11.50
	R. W. Richardson	do	19.03
	do	Salary	216.00
	Bloomfield Lonstreet	do	63.00
	J. B. Killebrew	do	50.00
	D. G. Haire	do	104.00
	J. H. Dodge	Traveling expenses	40.72
14	Underwood Typewriter Co.	Typewriter	82.50
17	J. Ross Collins	Burlap bags	5.50
19	A. P. Andrew	Salary	78.00
	J. B. Killebrew	Traveling expenses	25.00
	Fred. A. Schmidt	Pencils	1.35
22	W. F. Tomlinson	Traveling expenses	16.75
31	L. W. Page et al.	Salaries	645.00
Sept. 3	Martin Dodge et al.	do	675.00
	W. L. Spoon	Salary	100.00
	E. W. Sheets	do	78.00
	C. T. Harrison	do	100.00
	J. H. Dodge	do	100.00
	A. P. Andrew	do	78.00
	J. H. Eldridge	do	75.00
	J. B. Killebrew	do	50.00
	M. O. Eldridge	do	149.92
9	D. G. Haire	do	104.00
	J. F. Brown	do	200.00
	Yawman & Erbe Manufacturing Co.	Section	3.25
10	R. W. Richardson	Salary	208.00
	J. W. Abbott	do	208.00
	Barber & Ross	Brackets	1.70
	Delano & Moore	Films	24.00
12	Martin Dodge	Traveling expenses	254.40
16	R. W. Richardson	do	92.70
	J. W. Abbott	do	80.25
	J. H. Dodge	do	39.01
21	Densmore Typewriter Co.	Typewriter	78.50
28	Chas. T. Harrison	Traveling expenses	149.73
30	Martin Dodge et al.	Salaries	659.20
	L. W. Page et al.	do	625.00
	Total first quarter		6,826.45
Oct. 2	J. H. Eldridge	Salary	75.00
	E. W. Sheets	do	75.00
5	Chas. T. Harrison	do	100.00
6	W. L. Spoon	do	100.00
	D. G. Haire	do	100.00
10	H. P. Andrew	do	78.00
	Rudolph, West & Co.	Hardware	.38
	James B. Lambie	do	1.40
12	Southern Printers Supply Co.	Electro	.45
	E. J. Pullman	Photo supplies	18.94
14	M. Silverberg & Co.	Picture frames	10.60
	U. S. Envelope Co.	Envelopes	10.30
19	James W. Abbott	Traveling expenses	116.45
	Jay F. Brown	do	16.20
	J. H. Dodge	do	32.04
	R. W. Richardson	Salary	200.00
	Jay F. Brown	do	192.00
	James W. Abbott	do	200.00
	J. H. Dodge	do	100.00
23	Joseph B. Kelleher	do	50.00
	Union Envelope Co.	Envelopes	13.90
	Wm. J. Glasgow	Negatives	26.50
28	The Chesapeake and Potomac Telephone Co.	Telephone service	6.25
	The Geo. W. Knox Express Co.	Transportation	1.57
31	Pennsylvania R. R. Co.	Passenger transportation	18.00
	New York, New Haven and Hartford R. R. Co.	do	4.60
	Martin Dodge et al.	Salaries	733.56
	L. W. Page et al.	do	893.26



192 EXPENDITURES IN DEPARTMENT OF AGRICULTURE.

Expenditures of the Department of Agriculture for fiscal year ending June 30, 1904—Cont'd.

PUBLIC ROAD INQUIRIES—Continued.

Date.	Name.	Nature of payment.	Total.
1903.			
Nov. 4	Joseph Buckner Killebrew	Salary	\$50.00
5	Jay F. Brown	do	176.00
7	J. H. Eldridge	do	75.00
9	J. H. Brigham	Traveling expenses	19.45
	R. W. Richardson	Salary	216.00
	J. H. Dodge	do	100.00
	E. W. Sheets	do	81.00
	D. G. Haire	do	84.00
	W. L. Spoon	do	100.00
	Chas. T. Harrison	do	100.00
	A. P. Andrew	do	81.00
10	James W. Abbott	do	216.00
11	M. O. Eldridge	Traveling expenses	273.01
12	Joseph Buckner Killebrew	do	66.75
16	James W. Abbott	do	123.00
	R. W. Richardson	do	34.80
17	J. H. Dodge	do	46.87
23	Yawman & Erbe Manufacturing Co.	Section	13.00
	M. O. Eldridge	Traveling expenses	14.31
	Library Bureau	Guides	1.00
30	Martin Dodge	Traveling expenses	22.75
	J. H. Eldridge	Salary	75.00
	Martin Dodge et al.	Salaries	1,569.00
Dec. 1	The Geo. W. Knox Express Co.	Transportation	2.05
4	J. B. Killebrew	Salary	50.00
	D. G. Haire	do	36.00
	W. L. Spoon	do	100.00
	Jay F. Brown	do	160.00
5	R. W. Richardson	Traveling expenses	44.65
9	A. P. Andrew	Salary	69.00
	James W. Abbott	do	192.00
14	J. H. Dodge	do	100.00
	Chas. T. Harrison	do	100.00
	R. W. Richardson	do	192.00
	A. N. Johnson	Testing machine	46.00
	E. W. Sheets	Salary	75.00
16	J. H. Eldridge	Traveling expenses	27.44
17	Cargilles Photo Stock House	Negatives, etc	11.50
18	New York Central and Hudson River R. R. Co.	Passenger transportation	21.88
19	M. O. Eldridge	Traveling expenses	50.00
	James W. Abbott	do	81.20
22	J. H. Dodge	do	48.02
28	D. G. Haire	Traveling expenses	67.88
	James B. Lambie Co.	Pulley	1.35
31	Martin Dodge et al.	Salaries	1,663.50
	Total second quarter		9,851.81
1904.			
Jan. 5	Joseph B. Killebrew	Salary	50.00
	E. W. Sheets	do	78.00
	J. H. Dodge	do	100.00
	Chas. T. Harrison	do	100.00
	W. L. Spoon	do	100.00
	Jay F. Brown	do	120.00
	James W. Abbott	do	208.00
12	R. W. Richardson	Traveling expenses	52.82
	do	Salary	208.00
	do	do	16.00
14	James W. Abbott	Traveling expenses	73.40
	A. N. Johnson	Gauge	22.00
18	Columbia National Sand Dredging Co.	Sand	31.56
	E. J. Pullman	Prints, etc	1.00
25	Baltimore and Ohio R. R. Co.	Passenger transportation	11.00
	do	do	26.35
	Pennsylvania R. R. Co.	do	9.90
26	W. S. Moore's Sons	Iron castings	1.22
	Doremus Machine Co.	Repairs to ball mill	15.00
28	Joseph Buckner Killebrew	Traveling expenses	15.85
31	Martin Dodge et al.	Salaries	1,594.80
Feb. 2	Chas. T. Harrison	Salary	100.00
	W. L. Spoon	do	100.00
	M. O. Eldridge	Traveling expenses	49.98
	J. F. Brown	Salary	128.00
4	Martin Dodge	Traveling expenses	53.08
6	J. H. Dodge	do	17.69
	do	Salary	100.00
8	The Chesapeake and Potomac Telephone Co.	Telephone service	6.25
9	J. H. Osborn & Son	Stonecutting tools	1.00

EXPENDITURES IN DEPARTMENT OF AGRICULTURE. 193

Expenditures of the Department of Agriculture for fiscal year ending June 30, 1904—Cont'd.

PUBLIC ROAD INQUIRIES—Continued.

Date.	Name.	Nature of payment.	Total.
1904.			
Feb. 9	Barber & Ross.....	Bolts.....	\$0.20
11	Joseph Buckner Killebrew.....	Salary.....	50.00
12	E. A. Javal.....	Blowpipe.....	13.00
13	Martin Dodge.....	Traveling expenses.....	39.18
17	Baltimore and Ohio R. R. Co.....	Passenger transportation.....	11.00
18	The Lake Shore and Michigan Southern Rwy. Co.....	.....do.....	14.57
	The Missouri Pacific Rwy. Co.....	.....do.....	8.13
23	Yawman & Erbe Manufacturing Co.....	Suspension equipments.....	2.00
	The Pullman Automatic Ventilator Co.....	Ventilators.....	15.00
	The Fairbanks Co.....	Machinery.....	4.60
24	United States Express Co.....	Transportation.....	.50
	E. J. Pullman.....	Developing.....	13.50
	James B. Lambie Co. (Incorporated).....	Blades and solder.....	1.20
27	Postal-Telegraph Cable Co.....	Telegraph service.....	3.64
	Western Union Telegraph Co.....	.....do.....	23.35
29	Martin Dodge et al.....	Salaries.....	1,501.00
Mar. 2	J. A. Holmes.....	Traveling expenses.....	37.00
	Martin Dodge.....	.....do.....	56.81
3	Joseph B. Killebrew.....	Salary.....	50.00
	W. L. Spoon.....	.....do.....	100.00
	M. Silverberg & Co.....	Frames.....	2.50
	Jay F. Brown.....	Salary.....	128.00
	Rudolph, West & Co.....	Emery cloth.....	1.20
4	J. H. Dodge.....	Salary.....	100.00
10	Chas. T. Harrison.....	.....do.....	100.00
	J. B. Killebrew.....	Traveling expenses.....	7.40
11	E. J. Pullman.....	Prints.....	17.50
12	Jay F. Brown.....	Traveling expenses.....	37.55
21	United States Envelope Co.....	Envelopes.....	31.50
22	George T. Ennis.....	Castings.....	3.88
24	E. J. Pullman.....	Prints, etc.....	24.00
	Union Envelope Co.....	Envelopes.....	13.90
	E. Morrison Paper Co.....	Bristol board.....	2.50
28	John C. Parker.....	Pencil holders.....	.50
	Pennsylvania R. R. Co.....	Passenger transportation.....	11.00
31	Martin Dodge et al.....	Salaries.....	1,610.13
	Total third quarter.....		7,427.14
Apr. 4	J. B. Killebrew.....	Salary.....	50.00
	W. L. Spoon.....	.....do.....	100.00
	J. H. Dodge.....	.....do.....	100.00
	Chas. T. Harrison.....	.....do.....	100.00
	J. A. Holmes.....	.....do.....	128.00
6	M. O. Eldridge.....	Traveling expenses.....	56.83
7	Jay F. Brown.....	Salary.....	40.00
8	F. E. Blake.....	Services.....	21.98
9	National Mortar Co.....	Cement.....	2.00
14	Adams Express Co.....	Transportation.....	4.90
18	Postal Telegraph-Cable Co.....	Telegraph service.....	1.02
19	J. H. Dodge.....	Traveling expenses.....	62.25
20	Cleveland, Cincinnati, Chicago and St. Louis Rwy. Co.....	Passenger transportation.....	22.20
	New York, New Haven and Hartford R. R. Co.....	.....do.....	4.50
	Pennsylvania R. R. Co.....	.....do.....	12.25
	United States Envelope Co.....	Envelopes.....	12.60
	Jay F. Brown.....	Traveling expenses.....	22.40
25	Delano & Moore.....	Scrapbooks.....	4.00
28	S. Graff Haverstick.....	Photos.....	1.50
	The Chesapeake and Potomac Telephone Co.....	Telephone service.....	6.25
30	Martin Dodge.....	Salaries.....	1,459.70
May 2	J. B. Killebrew.....	Salary.....	50.00
3	.....do.....	Traveling expenses.....	40.90
	J. H. Dodge.....	Salary.....	100.00
	Chas. T. Harrison.....	.....do.....	100.00
	W. L. Spoon.....	.....do.....	100.00
12	M. O. Eldridge.....	Traveling expenses.....	61.45
13	Western Union Telegraph Co.....	Telegraph service.....	.65
	Barber & Ross.....	Nail puller.....	.75
	James B. Lambie Co.....	Zinc, etc.....	1.93
16	W. B. Moses & Sons.....	Chair, etc.....	10.50
	Woodward & Lothrop.....	Chairs.....	7.60
	Union Envelope Co.....	Envelopes.....	13.90
18	The Lake Shore and Michigan Southern Rwy. Co.....	Passenger transportation.....	13.00
	New York, New Haven and Hartford R. R. Co.....	.....do.....	5.00
20	Eimer & Amend.....	Scorifiers, etc.....	3.75

194 EXPENDITURES IN DEPARTMENT OF AGRICULTURE.

Expenditures of the Department of Agriculture for fiscal year ending June 30, 1904—Cont'd.

PUBLIC ROAD INQUIRIES—Continued.

Date.	Name.	Nature of payment.	Total.
1904.			
May 24	Delano & Moore	Films	\$4.80
26	The Chesapeake and Potomac Telephone Co.	Changing telephone	.68
	New York Central and Hudson River R. R. Co.	Passenger transportation	5.83
31	M. O. Eldridge	Traveling expenses	65.10
June 1	Martin Dodge et al.	Salaries	1,416.15
	Chas. T. Harrison	Salary	100.00
	J. B. Killebrew	do	50.00
3	Adams Express Co.	Transportation	2.10
	do	do	1.55
	The Geo. W. Knox Express Co.	do	.74
	Queen & Co. (Incorporated)	Thermometer	1.20
	J. H. Dodge	Salary	100.00
	Yawman & Erbe Manufacturing Co.	Sections, etc.	46.79
	Swayze, Bailey & Co.	Paper	2.05
4	L. W. Page	Traveling expenses	19.60
6	Western Union Telegraph Co.	Telegraph service	15.26
8	W. C. Burnett	Salary	76.60
	E. C. E. Lord	do	85.20
	Jay F. Brown	do	32.00
13	J. H. Dodge	Expenses	18.45
14	Chas. T. Harrison	Traveling expenses	186.00
16	J. H. Dodge	do	28.80
18	do	do	87.28
20	Geo. F. Muth & Co.	Celluloid	.30
	National Electric Supply Co.	Motor	33.80
	Ben Einstein	Pulley	1.00
	Wm. Ramsay	Clock	8.00
	The Smith-Premier Typewriter Co.	Typewriter	87.75
	Woodward & Lothrop	Desk	28.75
	Western Union Telegraph Co.	Telegraph service	3.10
22	J. A. Holmes	Services	240.00
23	M. O. Eldridge	Traveling expenses	8.90
	do	do	26.10
30	Martin Dodge et al.	Salaries	1,434.25
	Total fourth quarter		7,064.37
	<i>Supplemental.</i>		
July 1	J. A. Holmes	Salary	95.00
2	W. C. Burnett	do	74.20
	E. C. E. Lord	do	82.40
5	Delano & Moore	Photo supplies	94.00
7	J. B. Killebrew	Services	50.00
	J. H. Dodge	Traveling expenses	27.10
	A. P. Andrew	Salary	24.00
	do	Traveling expenses	7.90
9	J. H. Eldridge	Expenses	1.50
	do	Traveling expenses	37.70
18	Delano & Moore	Apex album	3.19
	Z. D. Gilman	Cover glasses	.85
20	Baltimore and Ohio R. R. Co.	Passenger transportation	12.75
	M. Silverberg & Co.	Frame and mat	5.85
	Washington Post Co.	Advertisement	1.95
23	Pennsylvania R. R. Co.	Passenger transportation	6.50
26	L. W. Page	Traveling expenses	19.80
30	Chicago and Alton Rwy. Co.	Passenger transportation	2.95
	Cleveland, Cincinnati, Chicago and St. Louis Rwy.	do	16.60
	New York, New Haven and Hartford R. R. Co.	do	2.85
Aug. 1	E. W. Sheets	Traveling expenses	39.37
2	Chas. T. Harrison	do	121.70
3	The Chesapeake and Potomac Telephone Co.	Telephone service	6.25
16	Western Union Telegraph Co.	Telegraph service	1.85
17	The Chesapeake and Potomac Telephone Co.	Changing location	.....
29	The Geo. W. Knox Express Co.	Transportation	3.32
	Total		748.11

RECAPITULATION.

Total first quarter	\$6,826.45
Total second quarter	9,851.81
Total third quarter	7,427.14
Total fourth quarter	7,064.37
Total supplemental	748.11
Total	31,917.88



EXPENDITURES IN DEPARTMENT OF AGRICULTURE. 195

Expenditures of the Department of Agriculture for fiscal year ending June 30, 1904—Cont'd.

PUBLIC ROAD INQUIRIES, 1903-4.

Date.	Name.	Nature of payment.	Total.
1903.			
May 31	Martin Dodge et al.....	Salaries.....	\$552.44
June 10	J. B. Killebrew.....	Salary.....	50.00
	D. G. Haire.....	do.....	78.00
	Bloomfield Longstreet.....	do.....	78.00
23	M. O. Eldridge.....	Traveling expenses.....	29.19
25	M. Du Perow.....	Desk fan, etc.....	13.00
30	Martin Dodge.....	Salaries.....	584.95
	Total fourth quarter, 1903.....		1,385.58
1904.			
July 2	J. B. Killebrew.....	Salary.....	50.00
9	J. H. Dodge.....	do.....	100.00
13	E. J. Pullman.....	Prints, etc.....	8.08
14	M. O. Eldridge.....	Traveling expenses.....	8.85
	Martin Dodge.....	do.....	6.25
15	E. J. Pullman.....	Kodak, etc.....	47.70
20	M. O. Eldridge.....	Traveling expenses.....	6.20
	E. W. Sheets.....	Salary.....	78.00
28	Library Bureau.....	Stand.....	5.00
30	C. T. Harrison.....	Salary.....	100.00
31	Martin Dodge et al.....	Salaries.....	624.90
Aug. 15	W. B. Moses & Sons.....	Chair.....	4.75
17	Yawman & Erbe Manufacturing Co.....	File case.....	18.00
Sept. 19	Baltimore and Ohio R. R. Co.....	Passenger transportation.....	18.80
	Total first quarter, 1904.....		1,076.03
Nov. 27	Edgar W. Sheets.....	Traveling expenses.....	42.26
Dec. 16	J. H. Eldridge.....	do.....	72.72
	Total second quarter.....		114.98
June 20	Jas. B. Lambie Co. (Incorporated).....	Belt punch.....	1.50
	The Murray Lyceum Bureau.....	Slides.....	21.70
30	J. H. Dodge.....	Salary.....	100.00
	Chas. T. Harrison.....	do.....	100.00
	Total fourth quarter.....		223.20
	<i>Supplemental.</i>		
July 7	Clark & Davenport.....	Linoleum.....	33.60
18	Delano & Moore.....	Photo supplies.....	69.22
19	Murray Lyceum Bureau.....	Slides.....	11.25
	The Okonite Co. (Limited).....	Electric wire.....	6.30
20	National Electric Supply Co.....	Desk fan.....	10.50
Aug. 3	M. Du Perow.....	Cord.....	2.50
	Total.....		133.37

RECAPITULATION.

Total fourth quarter, 1903.....	\$1,385.58
Total first quarter, 1904.....	1,076.03
Total second quarter, 1904.....	114.98
Total fourth quarter, 1904.....	223.20
Total supplemental.....	133.37
Total.....	2,933.16

VEGETABLE PATHOLOGICAL INVESTIGATIONS.

Date.	Name.	Nature of payment.	Total.
1903.			
July 18	Chas. Schiviering.....	Photos.....	\$18.00
21	T. R. Robinson.....	Traveling expenses.....	32.50
24	Wm. Krafft.....	Drawing apparatus.....	10.80
	H. J. Webber.....	Traveling expenses.....	41.98
25	J. W. Watson.....	Wire fencing.....	41.60
	Spencer Lens Co.....	Microscope stand, etc.....	37.40
29	C. L. Shear.....	Traveling expenses.....	12.54
	W. O. Richtmann.....	do.....	16.45
	Bausch & Lomb Optical Co.....	Photo supplies.....	18.75
31	A. F. Woods et al.....	Salaries.....	4,238.17

Expenditures of the Department of Agriculture for fiscal year ending June 30, 1904—Cont'd.

## VEGETABLE PATHOLOGICAL INVESTIGATIONS—Continued.

Date.	Name.	Nature of payment.	Total.
1903.			
Aug. 1	N. B. Pierce.....	Salary.....	\$210.60
	P. H. Rolfs.....	do.....	168.50
	Perley Spaulding.....	do.....	80.90
	G. G. Hedgcock.....	do.....	80.90
	H. C. Henriksen.....	do.....	60.60
	M. B. Lacy.....	do.....	60.60
	Nis Nissen Lind.....	do.....	50.00
	L. A. Fitz.....	do.....	50.00
	E. G. Schollander.....	do.....	50.00
	L. H. McCullough.....	do.....	40.00
	L. E. Gallagher.....	do.....	25.81
	A. M. Soule.....	do.....	25.30
	H. K. Mooney.....	do.....	25.00
	J. E. Hite.....	do.....	25.00
3	W. T. Swingle.....	do.....	189.55
	N. M. Kelley.....	do.....	60.00
	Alfred Atkinson.....	do.....	50.00
7	C. P. Hartley.....	Traveling expenses.....	26.08
	R. E. B. Mckenney.....	do.....	98.93
	Densmore Typewriter Co.....	Typewriter, etc.....	86.00
	C. R. Edmonston.....	Bougies.....	24.00
8	W. A. Orton.....	Traveling expenses.....	75.72
10	J. S. Cole.....	Salary.....	24.19
	do.....	do.....	30.97
	J. B. Evans.....	do.....	50.00
	Sylvester Balz.....	do.....	55.00
	E. A. Metcalfe.....	do.....	32.90
	F. W. Faurot.....	do.....	60.00
	Remington Typewriter Co.....	Typewriter and cover.....	92.25
12	G. T. Moore.....	Traveling expenses.....	172.22
	do.....	do.....	39.10
	M. B. Waite.....	do.....	61.57
	C. L. Shear.....	do.....	14.07
	C. O. Townsend.....	Expenses.....	20.40
	Edw. S. Schmid.....	Labels.....	3.00
	E. G. Schafer & Co.....	Valves, etc.....	2.85
	do.....	Tees, etc.....	2.10
	W. M. Whyte.....	Tags.....	2.75
13	Densmore Typewriter Co.....	Rubber cover.....	1.00
14	M. G. Copeland Co.....	Awnings.....	4.65
	S. M. Tracy.....	Salary.....	50.00
	P. H. Rolfs.....	Expenses.....	64.70
	J. B. Evans.....	Traveling expenses.....	62.80
	Perley Spaulding.....	do.....	39.41
	G. G. Hedgcock.....	do.....	76.95
	L. E. Gallagher.....	do.....	11.75
15	Edw. S. Schmid.....	Labels.....	3.00
	E. Morrison Paper Co.....	Gummed paper.....	5.00
	do.....	5,000 Matchless, No. 12.....	10.35
	National Electrical Supply Co.....	Silk cord.....	.26
	Z. D. Gilman.....	Moth balls, etc.....	7.55
17	Emil Geiner.....	Graduates.....	2.40
	Eimer & Amend.....	Beakers, etc.....	33.34
	Queen & Co.....	Dishes.....	3.59
	A. B. Seymour.....	Specimens fungi.....	38.22
	Western Electric Co.....	Electric bridge.....	22.50
	Wm. Krafft.....	Microscope, etc.....	108.45
	Christian Becker.....	Weights, etc.....	22.25
	M. B. McRae.....	Labor.....	45.00
	G. L. Yocum.....	Services.....	40.00
	Chas. Lantz & Sons.....	Microtome knives.....	20.00
	Yawman & Erbe Manufacturing Co.....	Sections.....	41.40
18	E. Morrison Paper Co.....	Tags.....	5.40
	Lamb & Tilden.....	Steel letters.....	4.50
19	C. T. Rumbold.....	Salary.....	32.75
	A. J. Meyer.....	do.....	24.19
	P. H. Rolfs.....	Traveling expenses.....	7.50
	Bausch & Lomb Optical Co.....	Bottles, etc.....	37.09
20	M. Du Perow.....	Switch.....	.65
	Thos. W. Smith.....	Wire screening.....	3.56
21	E. Morrison Paper Co.....	Tags, etc.....	15.20
	The M. Lindsay Rubber Co.....	Rubber belt.....	18.92
	W. Silas Sheetz.....	Plates.....	2.20
	Karl F. Kellerman.....	Traveling expenses.....	38.78
24	P. H. Dorsett.....	Salary.....	189.55
	H. J. Webber.....	Traveling expenses.....	8.90
	W. M. Scott.....	do.....	17.32
25	P. H. Rolfs.....	do.....	13.00
	Delano & Moore.....	Photo supplies.....	122.11
	Eimer & Amend.....	Carboy stand, etc.....	4.90

Expenditures of the Department of Agriculture for fiscal year ending June 30, 1904—Cont'd.

## VEGETABLE PATHOLOGICAL INVESTIGATIONS—Continued.

Date.	Name.	Nature of payment.	Total.
1903.			
Aug. 26	Hughes & Co.	Bluestone, etc.	\$10.20
	J. W. Watson	Hardware, etc.	11.88
	Stevens Bros. & Co.	Flower pots	42.33
	The H. & W. B. Drew Co.	Sections	40.50
	J. Ross Collins	Bags	26.03
	A. B. Seymour	Specimens fungi	30.00
27	A. Ziehl	File boxes	18.75
	Rudolph, West & Co.	Bolts, etc.	2.59
	W. B. Moses & Sons	Table, etc.	15.30
	The C. J. McCubbin Co.	Pipe, etc.	3.95
	E. G. Schafer & Co.	Reducers, etc.	.56
	.....do.	Unions, etc.	2.33
31	A. F. Woods et al.	Salaries	4,233.70
Sept. 1	Newton B. Pierce	Salary	210.60
	P. H. Rolfs	Expenses	72.83
	.....do.	Salary	168.50
	H. C. Henriksen	.....do.	60.60
	L. H. McCullough	.....do.	40.00
	E. G. Schollander	.....do.	50.00
	L. A. Fitz	.....do.	50.00
	J. E. Hite	.....do.	25.00
	C. Rumbold	.....do.	40.00
	J. B. Evans	.....do.	50.00
	E. A. Metcalfe	.....do.	60.00
	P. H. Dorsett	.....do.	189.55
	Andrew M. Soule	.....do.	25.30
	Alfred Atkinson	.....do.	50.00
	G. G. Hedgecock	.....do.	80.90
	J. T. Brewer	.....do.	84.20
	N. M. Kelley	.....do.	60.00
	H. K. Mooney	.....do.	25.00
	A. W. Edson	.....do.	80.90
	M. B. Lacy	.....do.	60.60
	F. W. Faurot	.....do.	60.00
	Nis Nissen Lind	.....do.	50.00
	L. E. Gallagher	.....do.	50.00
3	R. E. B. McKenney	Traveling expenses	9.15
	L. A. Fitz	Expenses	21.93
4	J. A. McDonald & Co.	Moldings, etc.	21.41
	R. S. Wilson	.....do.	16.80
	F. T. Budge	Screen doors, etc.	34.05
	Folmer & Schwing Manufacturing Co.	Camera, etc.	92.30
	R. Friedlander & Sohn	Dried species	19.28
	J. S. Cole	Salary	60.00
	A. L. Stone	.....do.	75.81
	Perley Spaulding	.....do.	80.90
	C. T. Rumbold	Expenses	21.65
	P. H. Rolfs	.....do.	35.00
	Potomac Electric Power Co.	Electric current	23.95
	Washington Gas Light Co.	Gas	8.00
9	M. L. Dean	Salary	40.00
	C. O. Rund	.....do.	80.00
	S. M. Tracy	.....do.	50.00
10	Sylvester Balz	.....do.	55.00
	W. A. Orton	Expenses	8.70
	L. E. Gallagher	Traveling expenses	13.25
	U. S. Envelope Co.	Envelopes	38.30
	.....do.	.....do.	42.84
	Library Bureau	Typewriter stand	5.00
	.....do.	Cards	37.80
	E. S. Schmid	Leaf mold	20.00
	The C. J. McCubbin Co.	Brass pipes, etc.	10.49
	J. B. Lambie	Belting	9.79
	Delano & Moore	Photo supplies	5.60
	Barber & Ross	Basin, etc.	3.07
	Wm. Ballantyne & Sons	Covers	6.75
	J. C. Parker	Files	1.50
	Queen & Co. (Incorporated)	Chemicals	.60
	Rudolph, West & Co.	Screw eyes, etc.	.40
	E. Morrison Paper Co.	Labels	.50
	.....do.	Tags	2.48
	Remington Typewriter Co.	Copying ribbon	5.50
	Whitall, Tatum Co.	Beakers	4.14
	Mallinckrodt Chemical Works	Chemicals	2.83
	J. Bishop & Co.	Wire	2.62
	E. G. Schafer & Co.	Valves, etc.	1.96
	M. Du Perow	Pulleys	1.04
	Henry Heil Chemical Co.	Pencils	1.00
	Hugh Reilly	Brushes	.65
11	W. R. Palmer	Experiment on tomatoes	40.00



Expenditures of the Department of Agriculture for fiscal year ending June 30, 1904—Cont'd.

VEGETABLE-PATHOLOGICAL INVESTIGATIONS—Continued.

Date.	Name.	Nature of payment.	Total.
1903.			
Sept. 11	G. A. Muller .....	Lead, etc. ....	\$16.35
	Ernst Leitz .....	Scalpels, etc. ....	12.68
	The Chicago Laboratory Supply and Scale Co. ....	Set of weights, etc. ....	7.52
	J. D. King .....	Cement .....	.57
	W. S. Sheetz .....	Camera, etc. ....	153.60
	Densmore Typewriter Co. ....	Typewriter and cover .....	79.50
	J. R. Eglehart & Sons .....	Making cases .....	37.00
	M. B. McRae .....	Carpenter work .....	20.25
	F. Carl .....	Filter pump, etc. ....	16.50
	Washington Railway and Electric Co. ....	Car tickets .....	5.00
	Schneider Bros. ....	Thermometers .....	4.45
	Samuel Sherratt .....	Firing bougies .....	3.90
	D. N. Walford .....	Gunpowder, etc. ....	2.50
	Mrs. A. A. Winfield .....	Sugar .....	1.93
12	M. B. Waite .....	Traveling expenses .....	87.17
14	W. M. Scott .....	Salary .....	134.80
	D. B. Swingle .....	Expenses .....	8.78
	C. L. Shear .....	Traveling expenses .....	75.53
16	A. H. Leidigh .....	Salary .....	19.35
	G. G. Hedgcock .....	Traveling expenses .....	123.51
	G. F. Miles .....	do .....	46.22
18	R. H. True .....	do .....	3.15
	W. M. Scott .....	do .....	57.13
21	C. O. Townsend .....	do .....	114.69
22	N. B. Pierce .....	Expenses .....	95.68
	L. A. Fitz .....	do .....	28.31
	A. W. Edson .....	Traveling expenses .....	71.95
	do .....	Expenses .....	11.65
24	Woodward & Lothrop .....	Matting, etc. ....	83.76
	Emil Greiner .....	Stoppers .....	7.50
	do .....	Dishes .....	2.15
	Bausch & Lomb Optical Co. ....	Supports, etc. ....	41.10
	W. W. Crosier .....	Lumber .....	41.75
	Chas. Parker .....	Making print .....	8.33
	Yawman & Erbe Mfg. Co. ....	Cabinet .....	7.25
	Mallinckrodt Chemical Works .....	Chemicals .....	1.00
	Rudolph, West & Co. ....	Screens, etc. ....	6.72
	Mrs. A. A. Winfield .....	Sugar .....	2.75
	Francis Miller .....	Light glass .....	.17
28	A. B. Farquhar & Co. (Limited) .....	Thresher .....	220.35
	Hughes & Co. ....	Bluestone, oil, etc. ....	10.99
	S. M. Tracy .....	Traveling expenses .....	13.79
	P. H. Rolfs .....	do .....	21.25
	Alex McG. Ferguson .....	Salary .....	50.00
30	A. F. W. Woods et al. ....	Salaries .....	4,128.00
	Total first quarter .....		20,936.83
Oct. 2	Henry Heil Chemical Co. ....	Blowpipes, etc. ....	1.15
	do .....	Beakers, etc. ....	74.96
3	Delano & Moore .....	Photo supplies .....	122.13
	T. R. Robinson .....	Traveling expenses .....	43.90
5	S. M. Tracy .....	Salary .....	50.00
	Geo. F. Miles .....	do .....	60.07
6	Henry Heil Chemical Co. ....	Peptone, etc. ....	42.47
8	H. J. Webber .....	Traveling expenses .....	68.77
	John C. Parker .....	Eyelet machine, etc. ....	1.39
9	W. M. Scott .....	Salary .....	130.40
	T. W. Raison .....	Traveling expenses .....	40.31
	C. L. Shear .....	do .....	59.33
10	Ernest Betz .....	Covering boxes .....	22.50
	Thos. Somerville & Sons .....	Boiler, etc. ....	15.90
	Woodward & Lothrop .....	Map handle .....	.15
	Potomac Electric Power Co. ....	Electric current .....	19.70
	Washington Gaslight Co. ....	Gas .....	6.70
12	Church & Stephenson .....	Lumber .....	37.00
	E. G. Schafer & Co. ....	Plumbers' supplies .....	8.07
	do .....	do .....	2.48
	The J. C. Ergood Co. ....	Soap and pearline .....	3.10
	E. Morrison Paper Co. ....	Tinfoil .....	5.00
	The E. F. Brooks Co. ....	Covering pipes .....	15.00
	W. M. Whyte .....	Tags .....	2.75
	W. Silas Sheetz .....	Angle head .....	3.50
19	P. J. O'Gara .....	Traveling expenses .....	148.85
	Karl F. Kellerman .....	do .....	48.55
	C. O. Townsend .....	do .....	41.89
	P. H. Rolfs .....	Expenses .....	8.41
	do .....	do .....	33.75
	Thos. H. Kearney .....	Traveling expenses .....	145.70
21	Newton B. Pierce .....	Expenses .....	94.67

Expenditures of the Department of Agriculture for fiscal year ending June 30, 1904—Cont'd.

## VEGETABLE PATHOLOGICAL INVESTIGATIONS—Continued.

Date.	Name.	Nature of payment.	Total.
1903.			
Oct. 21	Mallinkrodt Chemical Works	Benzole	\$1.20
	Eimer & Amend	Chemicals	11.50
	do.	Filters, etc.	25.00
	do.	Gelatin	22.50
	Bausch & Lomb Optical Co.	Objective, etc.	43.84
	do.	Pipettes, etc.	48.42
	L. A. Fitz	Traveling expenses	14.23
22	Folmer & Schwing Manufacturing Co.	Photo stand	48.00
	Frank T. Budge	Hardware, etc.	24.05
	H. M. Adams	Lumber	24.28
	J. H. Bunnell & Co.	Shades	.42
	Whitall, Tatum & Co.	Casseroles, etc.	6.06
	do.	Mortar, etc.	1.21
	do.	Flasks, etc.	6.20
	Queen & Co. (Incorporated)	Lead, etc.	.37
	Newton B. Pierce	Rent	125.00
23	Alfred Atkinson	Salary	50.00
	J. P. Friez	Thermograph	50.00
	W. Junk	Books	38.76
	The American Distributing Co.	Alcohol	29.38
	Chas. Lentz & Sons	Razors	3.25
	Charles Cooper & Co.	Rent of cylinder	.88
	American Writing Machine Co.	Bond paper	95.00
26	W. M. Scott	Traveling expenses	42.75
27	C. T. Rumbold	Expenses	49.12
	A. W. Edson	do.	3.75
	do.	Traveling expenses	41.30
	S. M. Tracy	do.	21.73
28	Washington Gaslight Co.	Gas	4.60
	Potomac Electric Power Co.	Electric current	23.60
	The Chesapeake and Potomac Telephone Co.	Telephone service	6.25
29	W. R. Beattie	Traveling expenses	29.65
31	Pittsburg, Cincinnati, Chicago and St. Louis Rwy. Co.	Passenger transportation	8.00
	New York, New Haven and Hartford R. R. Co.	do.	42.05
	Washington-Southern Rwy. Co.	do.	3.50
	Southern Rwy. Co.	do.	56.95
	Seaboard Air Line Rwy.	do.	19.20
	A. F. Woods et al.	Salaries	4,648.45
Nov. 3	Geo. F. Miles	Traveling expenses	91.70
	Jesse B. Norton	do.	76.78
	S. M. Tracy	Salary	50.00
	J. F. Hite	do.	25.00
	Walter Evans	do.	33.75
	Arthur H. Leidigh	do.	50.00
	H. K. Mooney	do.	25.00
	A. McG. Ferguson	do.	50.00
	P. H. Rolfs	do.	168.50
4	P. H. Dorsett	do.	189.55
	W. H. Fendler	Baskets	9.00
	C. O. Townsend	Expenses	31.06
5	P. H. Rolfs	Traveling expenses, September	55.20
	do.	Traveling expenses, July to October	22.00
	A. W. Edson	Salary	80.90
	J. S. Cole	do.	60.00
	E. B. Brown	Traveling expenses	94.75
6	C. L. Shear	do.	68.01
	M. B. Waite	do.	101.95
	J. B. Evans	do.	35.50
7	Newton B. Pierce	Expenses	148.47
9	A. L. Stone	Salary	50.00
	C. O. Rund	do.	40.00
13	W. H. Dyer	Lumber	1.00
	The J. C. Ergood Co.	Soap powder	3.00
	Barber & Ross	Wire, etc.	10.38
	do.	Hose	3.00
	Church & Stephenson	Lumber	4.80
	do.	do.	19.10
	do.	do.	21.60
	Z. D. Gilman	Tubing, etc.	84.77
	do.	Tube supports, etc.	5.36
	F. W. Bolgiano & Co.	Baskets	4.00
	Ernest Betz	Stovepipe	1.00
	Delano & Moore	Photo supplies	10.50
14	W. B. Hamlin	Lumber	243.36
	do.	do.	12.91
16	F. Stilwell	Salary	60.00
18	Eimer & Amend	Supplies and services	6.45
	G. F. Miles	Traveling expenses	71.70

Expenditures of the Department of Agriculture for fiscal year ending June 30, 1904—Cont'd.

## VEGETABLE PATHOLOGICAL INVESTIGATIONS—Continued.

Date.	Name.	Nature of payment.	Total.
1903.			
Nov. 19	N. M. Kelley	Salary	\$60.00
	P. J. O'Gara	Traveling expenses	73.33
	A. W. Edson	do	50.55
	M. L. Dean	Salary	40.00
	W. M. Hays	do	50.50
	Sylvester Bolz	do	55.00
20	Frank T. Budge	Nails, etc	17.20
	J. R. Collins	Bags	10.32
21	Biscayne Lumber and Supply Co.	Lumber, etc	15.25
	Mackall Bros.	Cotton, etc	43.69
23	Mallinckrodt Chemical Works	Chemicals	4.65
	do	do	.92
	Henry Hell Chemical Co.	Pipettes	2.50
	do	do	5.40
	J. H. Bunnell & Co.	Lamps	3.24
	Whitall, Tatum Co.	Pipettes, etc	14.12
	do	Bottles, etc	39.97
	do	Bottles	3.75
	do	Laboratory supplies	2.38
	do	Casseroles, etc	1.76
	Yawman & Erbe Manufacturing Co.	Sections, etc	42.00
	Wm. Kraft	Micrometers	5.63
	Walter A. Keenan	Labor and team	30.00
	L. A. Fitz	Expenses	17.17
	Bausch & Lomb Optical Co.	Triples, etc	19.22
24	Galveston, Harrisburg and San Antonio Rwy. Co.	Passenger transportation	6.00
	do	do	7.20
25	W. A. Orton	Traveling expenses	8.93
	C. L. Shear	do	34.50
	C. O. Townsend	do	14.96
27	W. A. Orton	do	40.50
	do	do	175.55
	do	do	204.50
	Thos. H. Kearney	Salary	50.00
	Thos. S. Hunt	Traveling expenses	239.28
	Erwin F. Smith	do	67.31
	Chas. P. Hartley	do	53.40
	G. G. Hedgcock	do	64.00
30	M. A. Carleton	Expenses	4,452.99
	A. F. Woods et al.	Salaries	1.60
	F. W. Bolgiano & Co.	Meal	2.32
	M. Du Perow	Tube, etc	2.13
	Thos. R. Riley	Tags	20.78
	Geo. F. Muth & Co.	Varnish, etc	9.76
	do	Paints, etc	15.74
	do	Glass cutter	3.11
	Z. D. Gilman	Slides	.86
	do	Crucible, etc	5.50
	Lamb & Tilden	Sign marker	17.12
	Potomac Electric Power Co.	Electric current	.10
	The Chesapeake and Potomac Telephone Co.	Telephone service	36.03
	W. H. May & Son	Plowshares, etc	.30
	F. P. May & Co.	Traps	14.34
	Francis Miller	Glass	8.52
	Delano & Moore	Plates, etc	13.75
	Wm. Ballantyne & Son	Bags	7.50
	Edw. S. Schmid	Thermometers	2.50
	do	Labels	3.62
	Woodward & Lothrop	Tubs, etc	.65
	do	Brushes	26.80
	M. B. Waite	Traveling expenses	.36
	E. Morrison Paper Co.	Cover paper	10.00
	do	Paper	5.24
	Rudolph, West & Co.	Lock, etc	6.37
	do	Hinges, etc	8.65
	W. B. Moses & Sons	Chair and shades	22.38
	do	Bookcase, etc	1.25
	James B. Lambie Co. (Incorporated)	Glue	5.80
	do	Hardware	10.78
	do	Wire, etc	.60
	do	Traps	.60
	do	do	2.70
	do	Tongs and pick	6.50
	Washington Gaslight Co.	Gas	2.45
	Thos. Somerville & Sons	Pipe	1.61
	do	do	.41
	do	do	24.83
	Delano & Moore	Photo supplies	.48
	E. G. Schafer & Co.	Elbows, etc	2.05
	do	Valve, etc	



Expenditures of the Department of Agriculture for fiscal year ending June 30, 1904—Cont'd.

## VEGETABLE PATHOLOGICAL INVESTIGATIONS—Continued.

Date.	Name.	Nature of payment.	Total.
1903.			
Dec. 1	E. G. Schafer & Co.	Gauge, etc.	\$2.40
	do.	Solder, etc.	7.37
	do.	Ells.	.82
2	H. J. Webber.	Traveling expenses.	136.82
	Frank J. Cullen.	Lantern slides.	11.90
	The Fred. Macey Co. (Limited)	Report section.	14.00
	Robert Gair Co.	Bags.	3.41
	Library Bureau.	Cases and cards.	34.75
	J. M. Thorburn & Co.	Seeds.	1.91
	Peter Henderson & Co.	do.	2.25
	Henry A. Dreer (Incorporated).	do.	1.60
	Library Bureau.	Cases, etc.	22.75
	Whitall, Tatum Co.	Glass spoons.	1.00
	W. Silas Sheets.	Tripod head.	3.00
	American Supply Co.	Bars, etc.	5.95
	J. Baumgarten & Sons.	Daters.	10.80
	M. G. Copeland Co.	Flag.	3.41
	W. H. Dyer.	Desk table.	35.00
	A. Zichtl.	Making boxes.	15.00
	H. O. Gosorn.	Telephone holder.	2.50
	Bausch & Lomb Optical Co.	Chemicals.	3.65
	Eimer & Amend.	Liquefied gas.	7.37
	Geo. D. Feidt.	Laboratory supplies.	17.20
	do.	Carrageen.	.27
	A. D. Mebane.	Cultivating cotton.	25.00
	do.	do.	5.00
	T. S. Williams.	Cultivating peas.	28.00
3	Walter Keenan.	Services.	10.00
	James Douglas.	Photo supplies.	11.60
	Folmer & Schwing Manufacturing Co.	do.	9.72
	E. L. Rivers.	Raising cotton.	60.00
4	S. M. Tracy.	Salary.	50.00
	do.	Traveling expenses.	57.17
	L. A. Fitz.	Salary.	50.00
	Geo. T. Moore.	do.	224.20
	Newton B. Pierce.	do.	203.80
	L. H. McCullough.	do.	40.00
	P. H. Rolfs.	do.	163.00
	B. M. Duggar.	Expenses.	75.52
	A. W. Edson.	Salary.	78.20
	G. G. Hedgecock.	do.	78.20
	F. Stilwell.	do.	60.00
	E. A. Metcalfe.	do.	60.00
	F. W. Faurot.	do.	60.00
	M. B. Lacy.	do.	58.80
	H. C. Henriksen.	do.	58.80
	N. M. Kelley.	do.	50.00
	E. G. Schollander.	do.	50.00
	J. B. Evans.	do.	50.00
	Thomas S. Hunt.	do.	50.00
	Nis Nissen Lind.	do.	50.00
	A. McG. Ferguson.	do.	50.00
	Walter Evans.	do.	31.25
	J. E. Hite.	do.	25.00
	H. K. Mooney.	do.	25.00
	A. M. Soule.	do.	24.40
5	A. H. Leidigh.	do.	50.00
8	J. S. Cole.	do.	60.00
	A. L. Stone.	do.	50.00
	M. L. Dean.	do.	40.00
	C. O. Rund.	do.	40.00
	Baltimore and Ohio R. R. Co.	Passenger transportation.	45.82
	Union Pacific R. R. Co.	do.	22.85
	Washington Southern Rwy. Co.	do.	22.65
	do.	do.	12.80
	do.	do.	12.80
	do.	do.	6.85
	do.	do.	6.75
	do.	do.	9.28
	do.	do.	21.80
	Atlantic Coast Line R. R. Co.	do.	9.25
	do.	do.	12.20
	do.	do.	6.20
	Seaboard Air Line Rwy.	do.	6.85
	The Yazoo and Mississippi Valley R. R. Co.	do.	2.05
	Boston and Maine R. R.	do.	2.23
	Burlington and Missouri River R. R. in Nebraska.	do.	5.10
	Southern Rwy. Co.	do.	3.86
	do.	do.	19.40

Expenditures of the Department of Agriculture for fiscal year ending June 30, 1904—Cont'd.

## VEGETABLE PATHOLOGICAL INVESTIGATIONS—Continued.

Date.	Name.	Nature of payment.	Total.
1903.			
Dec. 8	Southern Rwy. Co.....	Passenger transportation.....	\$7.00
	do.....	do.....	22.65
	do.....	do.....	26.05
	do.....	do.....	54.00
	do.....	do.....	33.35
	The Chesapeake and Ohio Rwy. Co.....	do.....	12.50
	do.....	do.....	60.00
	Baltimore and Ohio R. R. Co.....	do.....	23.50
	Southern Rwy. Co.....	do.....	14.55
	do.....	do.....	48.40
	The Colorado and Southern Rwy. Co.....	do.....	3.70
	San Antonio and Aransas Pass Rwy. Co.....	do.....	5.85
	Central R. R. Co. of New York.....	do.....	6.50
	The Lake Shore and Michigan Southern Rwy. Co.....	do.....	7.15
	International and Great Northern R. R. Co.....	do.....	12.70
	The Atchison, Topeka and Santa Fe Rwy. Co.....	do.....	49.00
	Michigan Central R. R. Co.....	do.....	14.25
	Washington Southern Rwy. Co.....	do.....	14.55
9	P. H. Dorsett.....	Salary.....	183.40
10	P. H. Rolfs.....	Expenses.....	15.52
	Chas. P. Hartley.....	do.....	73.95
	Henry A. Miller.....	Traveling expenses.....	26.90
	D. C. Robinett.....	Cultivating cotton.....	53.35
	Thos. H. Kearney.....	Traveling expenses.....	12.65
11	The Geo. W. Knox Express Co.....	Transportation.....	.70
	do.....	do.....	3.75
	Blue Line Transfer Co.....	do.....	10.25
12	P. H. Rolfs.....	Expenses.....	36.44
14	J. Bishop & Co.....	Platinum dish, etc.....	114.95
	Cambridge Botanical Supply Co.....	Locks, etc.....	9.46
15	S. M. Tracy.....	Traveling expenses.....	7.94
	W. A. Kellerman.....	Salary.....	50.00
	A. W. Edson.....	Traveling expenses.....	61.65
	do.....	do.....	84.55
	Perley Spaulding.....	do.....	59.72
	do.....	Salary.....	78.20
16	Cambridge Botanical Supply Co.....	Paper.....	8.42
17	Rudolph, West & Co.....	Nails, etc.....	2.82
	Eimer & Amend.....	Mortar, etc.....	6.70
	W. Junk.....	Book.....	4.15
18	Grand Trunk Rwy. Co.....	Passenger transportation.....	15.25
	do.....	do.....	5.35
	Pecos Valley and Northeastern Rwy. Co.....	do.....	11.40
	Cincinnati and Muskingum Valley R. R. Co.....	do.....	26.65
	Denver and Rio Grande R. R. Co.....	do.....	8.70
	International and Great Northern R. R. Co.....	do.....	16.88
	Michigan Central R. R. Co.....	do.....	5.20
	The Lake Shore and Michigan Southern Rwy. Co.....	do.....	6.33
	Louisville and Nashville R. R. Co.....	do.....	8.35
	Pittsburg, Cincinnati, Chicago and St. Louis Rwy. Co.....	do.....	19.50
	The Chesapeake and Ohio Rwy. Co.....	do.....	50.65
	The Atchison, Topeka and Santa Fe Rwy. Co.....	do.....	14.40
	The Chicago, Burlington and Quincy Rwy. Co.....	do.....	11.40
	Houston and Texas Central R. R. Co.....	do.....	16.50
	Galveston, Harrisburg and San Antonio Rwy. Co.....	do.....	3.80
	Oregon Short Line R. R. Co.....	do.....	28.35
	do.....	do.....	26.58
	New York Central and Hudson River R. R. Co.....	do.....	44.80
19	The Oregon R. R. and Navigation Co.....	do.....	20.00
	F. W. Patterson.....	Traveling expenses.....	4.00
	Ernest Betz.....	Repairs.....	17.13
	Church & Stephenson.....	Lumber.....	.50
	do.....	do.....	77.08
	do.....	do.....	4.05
	L. A. Fitz.....	Traveling expenses.....	22.83
	Sallie E. Miller.....	Salary.....	27.39
	C. T. Rumbold.....	do.....	112.09
21	Geo. T. Moore.....	do.....	9.50
	Barber & Ross.....	Knives, etc.....	2.68
	M. Du Perow.....	Tube, etc.....	25.00
	Thomas R. Dillon.....	Cultivating cotton.....	22.40
	W. A. Clark.....	do.....	53.53
	P. H. Rolfs.....	Traveling expenses.....	1.69
	Geo. D. Feidt & Co.....	Castor oil, etc.....	12.80
	Eimer & Amend.....	Weights.....	7.50
22	P. A. Clark.....	Painting.....	

Expenditures of the Department of Agriculture for fiscal year ending June 30, 1904—Cont'd.

## VEGETABLE PATHOLOGICAL INVESTIGATIONS—Continued.

Date.	Name.	Nature of payment.	Total.
1903.			
Dec. 23	A. D. Shamel.....	Traveling expenses.....	\$148. 78
26	Leidy S. Depue.....	Salt.....	80
29	Wm. Krafft.....	Microscope, etc.....	183. 70
	J. A. McDonald.....	Shingles, etc.....	10. 30
	Keuffel & Esser Co.....	Scales, etc.....	9. 60
	U. S. Envelope Co.....	Envelopes.....	13. 16
	Henry Heil Chemical Co.....	Benzoic acid.....	3. 10
	Frank T. Budge.....	Repairs.....	24. 65
	Queen & Co. (Incorporated).....	Dishes.....	15. 96
	Mallinckrodt Chemical Works.....	Chemicals.....	1. 02
	do.....	do.....	2. 90
	R. Carter Ballantyne.....	Ledger paper.....	4. 75
30	M. A. Carleton.....	Expenses.....	27. 48
31	A. F. Woods et al.....	Salaries.....	4,566. 76
	Total second quarter.....		25,243. 53
1904.			
Jan. 2	A. W. Edson.....	Salary.....	80. 90
5	Chas. P. Hartley.....	Expenses.....	15. 45
	P. H. Dorsett.....	Salary.....	189. 55
	G. G. Hedgcock.....	do.....	80. 90
	P. H. Rolfs.....	do.....	168. 50
	M. B. Lacy.....	do.....	60. 60
	H. C. Henriksen.....	do.....	60. 60
	F. W. Faurot.....	Traveling expenses.....	7. 00
	do.....	Salary.....	60. 00
	F. Stilwell.....	do.....	60. 00
	J. S. Cole.....	do.....	60. 00
	Newton B. Pierce.....	do.....	210. 60
	M. L. Dean.....	do.....	30. 97
	L. H. McCullough.....	do.....	40. 00
	E. G. Schollander.....	do.....	50. 00
	A. H. Leidigh.....	do.....	50. 00
	L. A. Fitz.....	do.....	50. 00
	J. B. Evans.....	do.....	50. 00
	Nis Nissen Lind.....	do.....	50. 00
	N. M. Kelley.....	do.....	56. 13
	E. A. Metcalfe.....	do.....	60. 00
	Perley Spaulding.....	do.....	23. 48
	H. K. Mooney.....	do.....	25. 00
	J. E. Hite.....	do.....	25. 00
	A. M. Soule.....	do.....	25. 30
	Walter Evans.....	do.....	33. 75
	C. T. Rumbold.....	Expenses.....	4. 65
	do.....	do.....	35. 25
	do.....	do.....	49. 00
6	Herman von Schrenk.....	do.....	100. 39
	do.....	do.....	25. 28
	B. M. Duggar.....	Traveling expenses.....	68. 04
7	Washington Gaslight Co.....	Gas.....	7. 80
	Potomac Electric Power Co.....	Electric current.....	23. 13
	E. G. Schafer & Co.....	Valves, etc.....	4. 46
	do.....	Packing, etc.....	3. 01
	do.....	Elbows.....	2. 54
	James B. Lambie Co. (Incorporated).....	Felt strip, etc.....	30. 35
	Woodward & Lothrop.....	Desk.....	2. 50
	James B. Lambie Co. (Incorporated).....	Wire gauze.....	197. 06
	Mackall Bros.....	Flasks, etc.....	50. 28
	Thos. Somerville & Sons.....	Pipe, etc.....	10. 00
8	W. T. Galliner & Bro.....	Doors.....	3. 10
	Giddings & Steele.....	Rug.....	9. 00
	A. Zichtl.....	Board covers.....	15. 00
	do.....	Boxes.....	20. 21
12	Z. D. Gilman.....	Cases.....	28. 54
	Delano & Moore.....	Photo supplies.....	17. 96
	John C. Parker.....	punches, etc.....	6. 50
	C. F. Wheeler.....	Traveling expenses.....	1. 50
	James S. Topham.....	Repairing trunk.....	8. 50
	do.....	Leather bag.....	150. 00
14	Alex. Carlyle.....	Salary.....	40. 00
	C. O. Rund.....	do.....	6. 00
	R. A. Moore.....	Services.....	50. 00
	A. L. Stone.....	Salary.....	50. 00
	S. M. Tracy.....	do.....	99. 50
	W. M. Hays.....	do.....	19. 20
	Erker Bros. Optical Co.....	Photo supplies.....	29. 00
	do.....	do.....	25. 00
	J. M. Styers.....	Cultivating cotton.....	15. 00
	Yawman & Erbe Manufacturing Co.....	Cards.....	



204 EXPENDITURES IN DEPARTMENT OF AGRICULTURE.

Expenditures of the Department of Agriculture for fiscal year ending June 30, 1904—Cont'd.

VEGETABLE PATHOLOGICAL INVESTIGATIONS—Continued.

Date.	Name.	Nature of payment.	Total.
1904.			
Jan. 14	Library Bureau.....	Stand and case.....	\$14.50
	.....do.....	Dictionary holder.....	5 00
	Newton B. Pierce.....	Expenses.....	125.00
	C. T. Rumbold.....	.....do.....	21.28
16	Isidor Keller.....	Rent.....	33.00
	Buxton & Skinner Stationery Co.....	Stationery supplies.....	11.65
	Erker Bros. Optical Co.....	Photo.....	48.35
	A. M. Beckers Lumber Co.....	Lumber.....	33.90
	Wilmot Castle Co.....	Repairs to sterilizer.....	4.60
	J. E. Whiteselle.....	Cultivating cotton.....	25.00
	Stark Bros. Nurseries and Orchard Co.....	Labor.....	11.57
	E. S. Peters.....	Cultivating cotton.....	68.75
	J. S. Merrell Drug Co.....	Chemicals.....	16.02
	Library Bureau.....	Cases.....	24.00
	W. A. Kellerman.....	Index.....	1.00
	Lester Granger.....	Horse hire, etc.....	22.85
	The Foulds Milling Co.....	Macaroni.....	1.20
	Eugene C. Foster.....	Oxygen gas.....	2.43
	Perley Spaulding.....	Traveling expenses.....	20.35
	C. T. Rumbold.....	Expenses.....	25.92
	G. G. Hedgcock.....	Traveling expenses.....	28.60
	T. S. Hunt.....	Salary.....	50.00
	L. A. Fitz.....	Expenses.....	59.67
	P. J. O'Gara.....	Traveling expenses.....	77.71
	Agnes Quirk.....	Expenses.....	8.61
	C. L. Shear.....	Traveling expenses.....	10.75
	Thos. H. Kearney.....	.....do.....	7.79
18	Mackall Bros.....	Laboratory supplies.....	97.48
	M. Du Perow.....	Electrical supplies.....	6.10
	The J. C. Ergood Co.....	Cleaning compound.....	1.80
	Bausch & Lomb Optical Co.....	Tubes, etc.....	4.31
	Henry Heil Chemical Co.....	Dishes, etc.....	30.75
19	Arthur H. Thomas Co.....	Scalpels, etc.....	6.17
	Queen & Co. (Incorporated).....	Tubes.....	14.40
20	H. J. Webber.....	Traveling expenses.....	11.25
21	A. D. Shamel.....	Expenses.....	93.06
22	Newton B. Pierce.....	.....do.....	246.08
	.....do.....	.....do.....	35.53
	.....do.....	Traveling expenses.....	64.95
	De Camp Fuel Co.....	Coal and wood.....	17.30
	A. D. Shamel.....	Traveling expenses.....	36.44
25	The Yazoo and Mississippi Valley R. R. Co.....	Passenger transportation.....	2.05
	.....do.....	.....do.....	5.00
	.....do.....	.....do.....	29.30
	.....do.....	.....do.....	15.50
	Southern Rwy. Co.....	.....do.....	17.50
	.....do.....	.....do.....	15.95
	Southern Pacific Co.....	.....do.....	12.40
	Burlington, Missouri R. R. in Nebraska.....	.....do.....	31.65
	The Missouri Pacific Rwy. Co.....	.....do.....	7.50
	Norfolk and Western Rwy. Co.....	.....do.....	3.85
	New York Central and Hudson River R. R. Co.....	.....do.....	23.64
	.....do.....	.....do.....	13.26
	New York, Philadelphia and Norfolk R. R. Co.....	.....do.....	8.30
	Georgia Southern and Florida Rwy.....	.....do.....	6.36
	Macon and Birmingham Rwy. Co.....	.....do.....	13.05
	Illinois Central R. R. Co.....	.....do.....	13.70
	Missouri, Kansas and Texas Rwy. Co.....	.....do.....	37.30
	.....do.....	.....do.....	24.75
	Gulf, Colorado and Santa Fe Rwy. Co.....	.....do.....	17.10
	Chicago and Northwestern Rwy. Co.....	.....do.....	19.79
	Cleveland, Cincinnati and St. Louis Rwy.....	.....do.....	19.00
	Pennsylvania R. R. Co.....	.....do.....	74.40
	.....do.....	.....do.....	17.50
	.....do.....	.....do.....	6.50
	.....do.....	.....do.....	110.00
	.....do.....	.....do.....	58.70
	.....do.....	.....do.....	50.50
	A. W. Edson.....	Expenses.....	7.95
	J. & J. Basset.....	Making panels.....	11.45
	Keasbey & Mattison Co.....	Covering boiler.....	92.15
	U. S. Envelope Co.....	Envelopes.....	14.10
26	A. Zichtl.....	Boxes.....	2.10
	Delano & Moore.....	Plates, etc.....	41.60
	Woodward & Lothrop.....	Furniture, etc.....	65.25
	E. C. Dodge.....	Labor.....	21.60
	J. T. Thompson.....	Making case, etc.....	46.80
	W. A. McQuie.....	Rent land.....	25.00
	J. F. Bannon & Co.....	Making sterilizer.....	17.75
	.....do.....	.....do.....	28.80

Expenditures of the Department of Agriculture for fiscal year ending June 30, 1904—Cont'd.

## VEGETABLE PATHOLOGICAL INVESTIGATIONS—Continued.

Date.	Name.	Nature of payment.	Total.
1904.			
Jan. 26	E. Bowers	Lumber	\$37.80
	A. C. Bowers	do	20.53
	Neustadt & Co.	Flour and cartage	16.69
	Whitall, Tatum Co.	Bottles, etc.	17.63
	Mallinckrodt Chemical Works	Benzole	.25
	The Fred. Macey Co. (Limited)	File section, etc.	39.00
27	Barber & Ross	Hone, etc.	3.50
	Z. D. Gilman	Tubing	2.64
	Remington Typewriter Co.	Ribbons	.55
	Geo. F. Muth & Co.	Bronze, etc.	1.10
	Adams Express Co.	Transportation	80.98
	Potomac Electric Power Co.	Electric current	25.62
	do	do	.30
29	E. G. Schafer & Co.	Valve	1.42
31	A. F. Woods et al.	Salaries	4,818.53
Feb. 1	Geo. T. Moore	Salary	353.77
	A. H. Leidigh	do	50.00
	L. A. Fitz	do	50.00
	F. W. Fautrot	do	60.00
	J. B. Evans	do	50.00
	A. W. Edson	do	81.80
2	F. Stilwell	do	60.00
	Perley Spaulding	do	65.93
	E. G. Schollander	do	50.00
	C. T. Rumbold	do	40.00
	P. H. Rolfs	do	170.30
	Newton B. Pierce	do	212.90
	E. A. Metcalfe	do	60.00
	L. H. McCullough	do	40.00
	Nis Nissen Lind	do	50.00
	M. B. Lacy	do	61.30
	Byron Hunter	do	43.48
	H. C. Henriksen	do	61.30
	Thos. S. Hunt	do	50.00
	G. G. Hedgcock	do	81.80
	A. McG. Ferguson	do	160.00
	Walter Evans	do	32.50
	Erwin F. Smith	Traveling expenses	6.75
3	Washington Gaslight Co.	Gas	10.90
	Thos. Somerville & Sons	Pipe, etc.	4.41
	E. G. Schafer & Co.	Plumbers' materials	1.35
	Rudolph, West & Co.	Hinges, etc.	3.15
	E. Morrison Paper Co.	Paper	6.72
	James B. Lambie Co. (Incorporated)	Hinges, etc.	1.68
	Z. D. Gilman	Moth balls, etc.	2.20
	Frank J. Cullen	Slides	24.50
	Church & Stephenson	Lumber	27.15
	The Chesapeake and Potomac Telephone Co.	Telephone service	.20
4	P. H. Rolfs	Expenses	6.88
	N. M. Kelley	Salary	46.45
	P. H. Dorsett	do	92.72
6	A. Y. Greer	Rent, land and water	37.50
	F. G. Tracy	Cultivating cotton	50.00
	A. L. Stone	Salary	50.00
	H. K. Mooney	do	25.00
	P. H. Rolfs	Traveling expenses	74.50
	Byron Hunter	Salary	85.20
	A. M. Soule	do	25.50
	C. L. Davis	do	25.00
8	The Chesapeake and Potomac Telephone Co.	Telephone service	6.25
9	Herman von Schrenk	Expenses	324.62
	Francis Miller	Glass	5.20
	Washington Gaslight Co.	Gas	10.90
11	J. S. Cole	Salary	60.00
	W. M. Hays	do	50.00
	S. M. Tracy	do	50.00
12	Queen & Co. (Incorporated)	Chemicals	2.10
	Compton Heights Plumbing Co.	Fittings	46.44
	Merck & Co.	Chemicals	3.50
	T. V. Munson	Grape cuttings	9.00
	J. M. Thorburn & Co.	Seed	2.09
	J. C. Temmerberg	Supplies for greenhouse	15.95
	Frank T. Budge	Buckets, etc.	10.59
	A. C. Bowers	Lumber	43.07
	E. Bowers	do	39.52
	Laura de Shon Mackie	Clerical assistance	19.25
	L. W. Holt	Growing cotton	50.00
	Henry Heil Chemical Co.	Beakers	4.95
	Whitall, Tatum & Co.	Burette clamps	2.00
	Yawman & Erbe Manufacturing Co.	Card cabinets	119.00

Expenditures of the Department of Agriculture for fiscal year ending June 30, 1904—Cont'd.

## VEGETABLE PATHOLOGICAL INVESTIGATIONS—Continued.

Date.	Name.	Nature of payment.	Total.
1904.			
Feb. 13	L. C. Corbett.....	Traveling expenses.....	\$39.50
	Chas P. Hartley.....	do.....	54.13
	C. L. Shear.....	do.....	14.82
	S. M. Tracy.....	do.....	20.45
	G. G. Hedgcock.....	Traveling expenses.....	34.30
17	C. O. Rund.....	Salary.....	40.00
	Baltimore and Ohio R. R. Co.....	Passenger transportation.....	91.50
18	The Texas and Pacific Rwy. Co.....	do.....	12.60
	do.....	do.....	12.80
	Louisville and Nashville R. R. Co.....	do.....	12.83
	Atlantic Coast Line R. R. Co.....	do.....	34.07
	do.....	do.....	15.73
	Central of Georgia Rwy. Co.....	do.....	7.25
	Cleveland, Cincinnati, Chicago and St. Louis Rwy.....	do.....	17.50
	Atlantic Coast Line R. R. Co.....	do.....	2.93
	do.....	do.....	20.96
	Florida East Coast Rwy.....	do.....	33.65
	Pennsylvania R. R. Co.....	do.....	40.00
19	W. T. Swingle.....	Apparatus.....	10.00
20	W. M. Scott.....	Traveling expenses.....	17.25
23	Youngers & Co.....	Apple seedlings.....	44.00
	do.....	do.....	38.50
	Scott & Wolf Painting Co.....	Painting woodwork.....	24.90
	Montgomery Ward & Co.....	Pipe vise, etc.....	12.08
	Laura de Shon Mackie.....	Services.....	21.00
	do.....	do.....	21.00
	Merck & Co.....	Creosote.....	.95
	do.....	Chemicals.....	9.78
	Mallinckrodt Chemical Works.....	Potassium.....	.85
	Wm. Krafft.....	Oil.....	4.20
	Hughes & Co.....	Soap, etc.....	11.73
	The S. B. Hubbard Co.....	Pipe, etc.....	10.54
	Henry Heil Chemical Co.....	Desiccators.....	5.00
	Emil Greiner.....	Flasks.....	5.19
	Erker Bros. Optical Co.....	Photo supplies.....	22.55
	Eimer & Amend.....	Apparatus.....	32.40
	do.....	Burettes.....	7.40
	The H. & W. B. Drew Co.....	Stand, units, etc.....	47.70
	H. C. Davison & Co.....	Copying books.....	14.62
	Compton Heights Plumbing Co.....	Plumbing.....	30.00
	J. J. Cavagnaro.....	Press.....	35.00
	A. M. Beckers Lumber Co.....	Lumber.....	31.52
	The Amour Fertilizer Works.....	Fertilizer.....	45.81
	P. H. Rolfs.....	Expenses.....	37.23
24	Potomac Electric Power Co.....	Electric current.....	27.16
	do.....	do.....	.14
	W. B. Moses & Sons.....	Shades.....	1.50
	Mineralized Rubber Co.....	Hose.....	4.63
	E. Morrison Paper Co.....	Gummed paper.....	6.00
	James B. Lambie Co. (Incorporated).....	Screws, etc.....	2.65
	The Geo. W. Knox Express Co.....	Transportation.....	.50
	Thos. Somerville & Sons.....	Disks, etc.....	2.68
	Thos. R. Riley.....	Lumber.....	.47
	Remington Typewriter Co.....	Ribbons.....	2.75
	Hugh Reilly.....	Brush.....	.20
	Fred A. Schmidt.....	Boxwood rule, etc.....	3.30
	Edw. S. Schmid.....	Labels.....	6.00
	Standard Oil Co.....	Oil.....	3.50
	do.....	Gasoline.....	11.06
	do.....	do.....	14.04
	F. M. Garner.....	Making curtains.....	.40
	Chas. R. Edmonston.....	Brushes and jars.....	.73
	Ernest Betz.....	Herbarium boxes.....	5.50
	Clark & Davenport.....	Carpet.....	32.96
	Daniel D. Coudon.....	Radiator.....	6.50
	A. Zichtl.....	Pamphlet cases.....	4.00
	do.....	do.....	15.00
	H. C. Henriksen.....	Salary.....	33.63
26	L. C. Corbett.....	Traveling expenses.....	27.85
27	Western Union Telegraph Co.....	Telegraph service.....	14.51
29	A. F. Woods et al.....	Salaries.....	4,576.10
Mar. 2	S. M. Tracy.....	Salary.....	18.97
	F. Stilwell.....	do.....	60.00
	Perley Spaulding.....	do.....	76.40
	A. M. Soule.....	do.....	24.00
	E. G. Schollander.....	do.....	50.00
	C. T. Rumbold.....	do.....	38.20
	H. K. Mooney.....	do.....	25.00
	G. F. Miles.....	do.....	*76.40



Expenditures of the Department of Agriculture for fiscal year ending June 30, 1904—Cont'd.

## VEGETABLE PATHOLOGICAL INVESTIGATIONS—Continued.

Date.	Name.	Nature of payment.	Total.
1904.			
Mar. 2	E. A. Metcalfe .....	Salary .....	\$60.00
	Alexander McG. Ferguson .....	.....do.....	50.00
	L. H. McCullough .....	.....do.....	40.00
	Nis Nissen Lind .....	.....do.....	50.00
	A. H. Leidigh .....	.....do.....	50.00
	M. B. Lacy .....	.....do.....	57.40
	N. M. Kelley .....	.....do.....	10.34
	G. G. Hedgcock .....	.....do.....	76.40
	L. A. Fitz .....	.....do.....	50.00
	F. W. Faurot .....	.....do.....	60.00
	Walter Evans .....	.....do.....	31.25
	J. B. Evans .....	.....do.....	50.00
	C. L. Davis .....	.....do.....	25.00
	J. S. Cole .....	.....do.....	60.00
	P. H. Rolfs .....	.....do.....	159.40
	.....do.....	Traveling expenses .....	44.00
3	E. Morrison Paper Co. ....	Labels .....	1.75
	W. B. Moses & Sons .....	Mirrors, etc .....	20.49
	J. B. Wight .....	Pecan trees .....	9.45
	.....do.....	Cultivating cotton .....	9.19
	Rudolph, West & Co. ....	Brushes, etc .....	7.54
	Church & Stephenson .....	Lumber .....	18.00
	Delano & Moore .....	Photo supplies .....	40.64
	.....do.....	Drawing board .....	12.00
	Z. D. Gilman .....	Vials, etc .....	69.02
	The Geo. W. Knox Express Co. ....	Transportation .....	1.29
4	C. O. Townsend .....	Expenses .....	35.14
	Theo. Bechtel .....	Pecans .....	5.20
	Alexander Seed Co. ....	Seeds .....	1.11
	Newton B. Pierce .....	Salary .....	199.20
	Bausch & Lomb Optical Co. ....	Balance, etc .....	42.23
	.....do.....	Scalpels .....	21.42
	Eimer & Amend .....	Agar flour .....	22.50
	Geo. D. Feidt & Co. ....	Chemicals .....	17.52
	Johnson & Stokes .....	Seeds .....	2.50
	Henry Heil Chemical Co. ....	Pipettes, etc .....	3.65
	Amzi Godden Co. ....	Seeds .....	1.80
	Grimes, Stassforth Stationery Co. ....	Mimeograph, etc .....	18.70
5	Whitall-Tatum Co. ....	Glasses and flasks .....	38.24
	.....do.....	Jars .....	2.70
	United States Envelope Co. ....	Envelopes .....	2.80
	.....do.....	.....do.....	8.10
	Arthur H. Thomas Co. ....	Beakers, etc .....	149.99
	.....do.....	Baskets, etc .....	25.26
	J. H. Taws .....	Photo prints .....	7.33
	C. H. Stoelting Co. ....	Laboratory supplies .....	18.75
	D. L. Pierson .....	Pecan trees .....	4.50
	C. Montgomery .....	Ice and distilled water .....	13.60
	W. W. Crosier .....	Sash for hotbeds .....	45.00
	Merk & Co. ....	Zinc iodide .....	1.60
	.....do.....	Copper .....	2.67
	Library Bureau .....	Case .....	15.00
	.....do.....	Cases, etc .....	24.43
	James Rennie .....	Cuttings .....	46.00
	Oswald Weigel .....	Specimens .....	37.00
	The Missouri Pacific Rwy. Co. ....	Passenger transportation .....	14.80
11	C. L. Alexander .....	Salary .....	60.64
	T. S. Hunt .....	.....do.....	50.00
	S. M. Tracy .....	Traveling expenses .....	24.35
	C. O. Rund .....	Salary .....	40.00
	A. L. Stone .....	.....do.....	50.00
	Perley Spaulding .....	Traveling expenses .....	49.95
	Herman von Schrenk .....	Expenses .....	41.01
	Postal Telegraph Cable Co. ....	Telegraph service .....	1.01
12	W. M. Hays .....	Salary .....	47.80
17	Atlantic Coast Line R. R. Co. ....	Passenger transportation .....	7.25
	.....do.....	.....do.....	25.25
	Baltimore and Ohio R. R. Co. ....	.....do.....	6.50
	Central R. R. Co. of New York .....	.....do.....	6.50
	Chicago, Milwaukee and St. Paul Rwy. Co. ....	.....do.....	14.46
17	Houston and Texas Central R. R. Co. ....	.....do.....	7.60
	Chicago, Rock Island and Texas Rwy. Co. ....	.....do.....	57.10
18	Seaboard Air Line Rwy. ....	.....do.....	13.25
	St. Louis and San Francisco R. R. Co. ....	.....do.....	9.21
	The Wabash R. R. Co. ....	.....do.....	12.30
	The Texas and Pacific Rwy. Co. ....	.....do.....	23.90
	Terre Haute and Indianapolis R. R. Co. ....	.....do.....	4.93
	Southern Rwy. Co. ....	.....do.....	13.95
	Pittsburg, Cincinnati, Chicago and St. Louis Rwy. Co. ....	.....do.....	15.75

Expenditures of the Department of Agriculture for fiscal year ending June 30, 1904—Cont'd.

## VEGETABLE PATHOLOGICAL INVESTIGATIONS—Continued.

Date.	Name.	Nature of payment.	Total.
1904.			
Mar. 18	Woodward & Lothrop.....	Long cloth.....	80.30
	P. H. Rolfs.....	Expenses.....	19.85
	Pennsylvania R. R. Co.....	Passenger transportation.....	6.00
	Nashville, Chattanooga and St. Louis Rwy. Co.....	.....do.....	9.89
	New Orleans and Northeastern R. R. Co.....	.....do.....	37.30
	Louisville and Nashville R. R. Co.....	.....do.....	4.93
21	Chas. Wieneck.....	Repairs to laboratory apparatus.....	12.75
	Laura de Shon Mackie.....	Services.....	14.00
	N. B. Pierce.....	Expenses.....	146.89
	B. M. Duggar.....	Salary.....	99.20
	D. J. Griffith.....	Rent, land.....	36.00
	W. W. Crosier.....	Lumber.....	39.98
	E. Bowers.....	.....do.....	29.87
	J. W. Burch.....	Rent, land.....	24.00
22	Potomac Electric Power Co.....	Electric current.....	26.77
24	Washington Gaslight Co.....	Gas.....	11.60
24	Isidor Keller.....	Rent.....	33.00
29	The E. F. Brooks Co.....	Repairs to apparatus.....	10.45
	W. Atlee Burpee & Co.....	Seeds.....	1.70
	D. E. Burton.....	Changing apparatus.....	5.21
	Bausch & Lomb Optical Co.....	Cover glasses.....	8.56
	John Chattillon & Sons.....	Scales.....	15.00
	Church & Stephenson.....	Lumber.....	2.80
	Continental Gin Co.....	Gin.....	66.50
	W. W. Crosier.....	Lumber and labor.....	49.18
	Delano & Moore.....	Photo supplies.....	72.62
	H. C. Davison & Co.....	Copying books.....	14.62
	Eimer & Amend.....	Laboratory supplies.....	17.09
	J. P. Friez.....	Thermographs.....	250.00
	Z. D. Gilman.....	Laboratory supplies.....	16.80
	Wm. Krafft.....	Oven.....	22.00
	Geo. P. Killian.....	Boxes.....	7.50
	R. C. Keenan.....	Land rent.....	30.00
31	Rudolph, West & Co.....	Hardware.....	3.78
	Fred. A. Schmidt.....	Scale.....	.90
	E. G. Schafer.....	Plumbers' supplies.....	13.37
	.....do.....	.....do.....	3.03
	.....do.....	.....do.....	2.79
	.....do.....	Tubing.....	.50
	The Storrs & Harrison Co.....	Seeds.....	2.50
	Thos. Somerville & Sons.....	Plumbers' supplies.....	21.13
	Arthur H. Thomas Co.....	Laboratory supplies.....	4.10
	A. F. Woods et al.....	Salaries.....	5,200.82
	Total third quarter.....		28,749.78
Apr. 4	P. H. Rolfs.....	Expenses.....	39.46
	Andrew M. Soule.....	Salary.....	25.50
	Newton B. Pierce.....	.....do.....	212.90
	Edgar A. Metcalfe.....	.....do.....	60.00
	James E. Morrow.....	.....do.....	60.00
	J. B. Evans.....	.....do.....	50.00
	C. L. Davis.....	.....do.....	25.00
	John S. Cole.....	.....do.....	60.00
	Guy R. Maxwell.....	.....do.....	5.27
	Perley Spaulding.....	.....do.....	81.80
	Mark B. Lacey.....	.....do.....	61.30
	Nis Nisson Lind.....	.....do.....	50.00
	George G. Hedgcock.....	.....do.....	81.80
	L. A. Fitz.....	.....do.....	50.00
	Wm. H. Smith.....	.....do.....	25.00
	E. G. Schollander.....	.....do.....	50.00
6	G. G. Hedgcock.....	Traveling expenses.....	53.25
	A. McG. Ferguson.....	Salary.....	50.00
	C. T. Rumbold.....	.....do.....	40.00
	Walter Evans.....	.....do.....	33.75
	F. Stilwell.....	.....do.....	60.00
	W. A. Orton.....	Expenses.....	8.35
	L. H. McCullough.....	Salary.....	40.00
	P. H. Rolfs.....	.....do.....	170.30
7	A. L. Stone.....	.....do.....	50.00
	Thos. S. Hunt.....	.....do.....	50.00
9	James B. Lambie Co. (Incorporated).....	Leather belting.....	6.08
	Isidor Keller.....	Rent.....	33.00
	Church & Stephenson.....	Lumber.....	17.75
	Giddings & Steele.....	Rug.....	3.10
	W. M. Scott.....	Traveling expenses.....	49.45
	B. M. Duggar.....	.....do.....	93.09
	U. S. Express Co.....	Transportation.....	20.61
	Washington Rwy. and Electric Co.....	Car tickets.....	8.25

Expenditures of the Department of Agriculture for fiscal year ending June 30, 1904—Cont'd.

## VEGETABLE PATHOLOGICAL INVESTIGATIONS—Continued.

Date.	Name.	Nature of payment.	Total.
1904- Apr. 9.	D. N. Walford	Canteens	\$5.50
	A. A. Winfield	Sugar	17.33
	.....do.....	.....do.....	2.75
	J. T. Walker Sons	Sand	1.00
	W. M. Whyte	Frames, etc	12.60
	A. Ziehl	Boxes	23.36
	.....do.....	.....do.....	6.12
	E. Morrison Paper Co	Tin foil	3.75
	.....do.....	Butter paper	3.25
	.....do.....	Pencils and leads	1.60
	.....do.....	Tags, etc	6.50
	Francis Miller	Glass	3.96
11	Henry A. Dreer (Incorporated)	Seeds	2.10
	Peter Henderson & Co	.....do.....	3.00
	.....do.....	Plants	2.00
	F. W. Faurot	Salary	60.00
	A. H. Leidigh	.....do.....	50.00
	C. L. Alexander	.....do.....	40.00
	Alex. Carlyle	.....do.....	150.00
12	Youngers & Co	Plum trees	2.70
	Whitall, Tatum Co	Apparatus	2.35
	.....do.....	Flasks	2.00
	James Vicks Sons	Seeds	4.00
	G. L. Taber	Planting trees	20.02
	St. Louis Seed Co	Pots	10.84
	Laura de S. Mackie	Services	14.00
	J. B. Roberts	Harness	35.00
	James Douglas	Plates	7.47
	Philip Lindemeyer	Paste	2.60
	Chas. Lentz & Sons	Grinding razors	1.50
	Library Bureau	Cards	2.25
	Merck & Co	Chemicals	11.56
	.....do.....	.....do.....	5.00
	.....do.....	.....do.....	1.56
	.....do.....	.....do.....	1.18
13	Newton B. Pierce	Rent	125.00
14	Mary E. Parker, executrix	Paper	3.13
	Barber & Ross	Oil stone, etc	7.65
	.....do.....	Can	2.90
	.....do.....	Steel tape	5.25
	Blue Line Transfer Co	Drayage	.25
	J. K. Bishop	Negative envelopes	.50
	E. Morrison Paper Co	Letter books	15.00
	.....do.....	Tags	13.26
	.....do.....	.....do.....	25.80
	Chas. R. Edmonston	Jars	3.84
	Fred. A. Schmidt	Scales	1.35
	W. M. Whyte	Zinc	6.00
	W. B. Moses & Sons	Furniture	19.18
15	John O. Merwin	Salary	19.50
	Lewis T. Leonard	.....do.....	2.47
	Clifford Morse	.....do.....	19.50
19	J. A. McDonald & Co	Cement, etc	9.90
	The Mapes Formula and Peruvian Guano Co.	Fertilizer	19.50
	Bausch & Lomb Optical Co	Photo materials, etc	13.32
	Charter Gas Engine Co	Engine and pump	412.40
	De Camp Fuel Co	Coal	18.98
	.....do.....	.....do.....	8.50
	F. W. Faurot	Traveling expenses	9.50
	P. J. Wester	Labor	23.23
	Whittier Coburn Co	Glass	32.50
20	John O. Merwin	Salary	3.00
	Herman von Schrenk	Traveling expenses	209.80
	The Wabash R. R. Co	Passenger transportation	16.69
	Terre Haute and Indianapolis R. R. Co	.....do.....	19.25
	The Yazoo and Mississippi Valley R. R. Co	.....do.....	2.95
	Union Pacific R. R. Co	.....do.....	8.70
	Southern Rwy. Co	.....do.....	112.30
	The Chicago, Burlington and Quincy Rwy. Co	.....do.....	5.70
	The Atchison, Topeka and Santa Fe Rwy. Co	.....do.....	4.87
	St. Louis and San Francisco R. R. Co	.....do.....	29.46
	Pennsylvania R. R. Co	.....do.....	14.75
	New York, New Haven and Hartford R. R. Co	.....do.....	8.75
	Norfolk and Washington Steamboat Co	.....do.....	8.00
	Missouri, Kansas and Texas Rwy. Co	.....do.....	7.85
	.....do.....	.....do.....	37.30
	Chicago and Alton Rwy. Co	.....do.....	7.50
	Louisville and Nashville R. R. Co	.....do.....	15.85



210 EXPENDITURES IN DEPARTMENT OF AGRICULTURE.

Expenditures of the Department of Agriculture for fiscal year ending June 30, 1904—Cont'd.

VEGETABLE PATHOLOGICAL INVESTIGATIONS—Continued.

Date.	Name.	Nature of payment.	Total.
1904.			
Apr. 20	Illinois Central R. R. Co. ....	Passenger transportation. ....	\$3.83
	do. ....	do. ....	8.70
21	Agnes Quirk. ....	Expenses. ....	6.95
22	Chicago, Rock Island and Pacific Rwy. Co. ....	Passenger transportation. ....	35.34
23	C. O. Townsend. ....	Traveling expenses. ....	144.20
	Olimpio Anselmina. ....	Salary. ....	31.50
	C. O. Rund. ....	do. ....	40.00
28	Washington Southern Rwy. ....	Transportation of seeds. ....	9.52
29	Hermann von Schrenk. ....	Traveling expenses. ....	95.20
	G. G. Hedgecock. ....	do. ....	5.65
	J. B. Norton. ....	do. ....	91.85
30	W. A. Rountree. ....	Salary. ....	39.00
	J. F. Barghansen. ....	do. ....	36.00
	Clifford Morse. ....	do. ....	19.50
	James Rowan, jr. ....	do. ....	4.17
	C. D. Franklin. ....	do. ....	39.00
	A. F. Woods et al. ....	Salaries. ....	5,212.37
May 2	J. B. Evans. ....	Salary. ....	50.00
	Peter J. Wester. ....	do. ....	50.00
	Nis Nissen Lind. ....	do. ....	50.00
	F. Stilwell. ....	do. ....	60.00
	E. A. Metcalfe. ....	do. ....	60.00
	Jas. Everett Morrow. ....	do. ....	60.00
	F. W. Faurot. ....	do. ....	60.00
	Newton B. Pierce. ....	do. ....	206.00
	Perley Spaulding. ....	do. ....	79.10
	G. G. Hedgecock. ....	do. ....	79.10
	A. H. Leidigh. ....	do. ....	50.00
	E. G. Schollander. ....	do. ....	50.00
	M. B. Lacy. ....	do. ....	59.30
	Walter Evans. ....	do. ....	16.25
	A. M. Soule. ....	do. ....	24.70
	Wm. Howard Smith. ....	do. ....	25.00
	Charles L. Davis. ....	do. ....	25.00
	Olimpia Anselmina. ....	do. ....	36.00
	L. H. McCullough. ....	do. ....	40.00
3	Menendez Steamship Co. ....	Traveling expenses. ....	38.00
	C. O. Rund. ....	Salary. ....	20.00
4	Eimer & Amend. ....	Rent of cylinder. ....	1.37
	do. ....	Chemicals. ....	1.25
	Erker Bros. Optical Co. ....	Photo supplies. ....	29.85
	do. ....	do. ....	28.45
	do. ....	do. ....	16.55
	Chico Nursery Co. ....	Grapevines. ....	42.50
	De Camp Fuel Co. ....	Coal. ....	10.00
	The Baker & Adamson Chemical Co. ....	Ammonia, etc. ....	5.38
	Isidore Keller. ....	Rent. ....	33.00
	Henry Heil Chemical Co. ....	Laboratory supplies. ....	15.40
	Emil Greiner. ....	Flasks. ....	38.85
	George D. Feidt & Co. ....	Crucible, etc. ....	3.68
	do. ....	Laboratory supplies. ....	5.70
	The Goulds Manufacturing Co. ....	Spraying apparatus. ....	27.39
	A. D. Shamel. ....	Salary. ....	79.10
6	A. Zichtl. ....	Pamphlet cases. ....	4.80
	do. ....	Pamphlet boxes. ....	9.00
	Yawman & Erbe Manufacturing Co. ....	Card cabinet. ....	20.70
	do. ....	Folders. ....	4.75
	Whitall Tatum Co. ....	Vials, etc. ....	9.09
	John C. Timmerherly. ....	Heater and pipe. ....	13.00
	J. M. Thorburn & Co. ....	Seeds. ....	7.70
	Spencer Lens Co. ....	Mechanical stage. ....	19.50
	St. Louis Seed Co. ....	Pots and saucers. ....	7.00
	C. R. Rockwood. ....	Cultivating cotton. ....	25.00
	Potomac Electric Power Co. ....	Electric current. ....	29.94
	W. M. Scott. ....	Traveling expenses. ....	49.75
	do. ....	Expenses. ....	23.46
	National Electrical Supply Co. ....	Lamp holder. ....	1.40
	do. ....	Air pump. ....	56.50
	The C. J. McCubbin Co. ....	Lavatory. ....	16.25
	Mackall Bros. ....	Glycerine, etc. ....	19.37
	Francis Miller. ....	Glass. ....	2.70
	Remington Typewriter Co. ....	Repairs to typewriter. ....	13.25
	Queen & Co. (Incorporated). ....	Ether. ....	2.25
	Polar Wave Ice and Fuel Co. ....	Ice. ....	35.00
	do. ....	do. ....	17.50
	P. C. Murphy Trunk Co. ....	Trunk. ....	7.65
	Mallinckrodt Chemical Works. ....	Potassium. ....	5.80
	Wm. Krafft. ....	Paraffin. ....	26.50
	A. N. Clark. ....	Corn. ....	55.20
7	C. O. Townsend. ....	Traveling expenses. ....	52.15

Expenditures of the Department of Agriculture for fiscal year ending June 30, 1904—Cont'd.

## VEGETABLE PATHOLOGICAL INVESTIGATIONS—Continued.

Date.	Name.	Nature of payment.	Total.
1904.			
May 9	Delano & Moore.....	Photo supplies.....	\$77.48
10	Karl F. Kellerman.....	Traveling expenses.....	28.05
11	Alex. McG. Ferguson.....	Salary.....	50.00
	R. T. Rumbold.....	.....do.....	39.60
12	A. L. Stone.....	.....do.....	50.00
	D. O. Munson.....	Cherry trees.....	15.43
13	Peter Henderson & Co.....	Oats.....	15.00
	Walter Evans.....	Labor.....	1.80
	James S. Topham.....	Straps.....	25.00
	Edw. S. Schmid.....	Labels.....	.90
	Z. D. Gilman.....	Moth balls, etc.....	.24
	Thos. Somerville & Sons.....	Tees.....	6.72
	E. Morrison Paper Co.....	Paper.....	8.30
	.....do.....	.....do.....	.50
	Washington Gas Light Co.....	Gas.....	-.44
	The Maurice Joyce Engraving Co.....	Plate.....	136.04
	E. G. Schafer & Co.....	Solder.....	66.36
	.....do.....	Heating apparatus.....	8.50
	Woodward & Lothrop.....	Rods and brackets.....	9.50
	Jas. E. Albinson.....	Repairs to latrobe.....	13.70
	R. Carter Ballantyne.....	Linen paper.....	6.25
	Wm. Ballantyne & Son.....	Paper, etc.....	3.63
	The Chesapeake and Potomac Telephone Co.....	Telephone service.....	86.00
	Blue Line Transfer Co.....	Freight, etc.....	.40
	Densmore Typewriter Co.....	Typewriter, etc.....	18.00
	Rudolph, West & Co.....	Hinges, etc.....	9.00
14	W. A. Rountree.....	Salary.....	6.00
	Charles Thompson.....	.....do.....	9.00
	Frank Tenley.....	Services.....	6.00
	John M. Veale.....	.....do.....	9.00
	E. W. Walker.....	.....do.....	6.00
	J. T. Barghansen.....	.....do.....	36.00
16	Geo. P. Killian.....	Boxes.....	22.50
	John C. Parker.....	Holders.....	10.80
	Washington Woodworking Co.....	Boxes.....	33.60
	Remington Typewriter Co.....	Typewriter.....	92.25
	The Pen-Carbon Manifold Co.....	Letter books, etc.....	13.25
	Yawman & Erbe Manufacturing Co.....	Guides.....	3.30
	United States Envelope Co.....	Envelopes.....	40.20
	The American Distilling Co. (A. L. Webb & Sons branch).....	Alcohol.....	22.92
	L. L. Olds Seed Co.....	Oats.....	10.37
	A. C. Bowers.....	Lath, etc.....	39.20
	J. R. B. Clemons.....	Clerical aid.....	18.00
	James Douglas.....	Photo supplies.....	10.00
	Vaughan's Seed Store.....	Seeds.....	3.65
	G. G. Hedgcock.....	Traveling expenses.....	18.25
	Perley Spaulding.....	.....do.....	20.40
18	The Pullman Co.....	Passenger transportation.....	24.00
	Peninsula and Occidental Steamship Co.....	.....do.....	40.00
	Louisville and Nashville R. R. Co.....	.....do.....	27.35
	St. Louis Southwestern Rwy. Co. of Texas.....	.....do.....	74.60
	Georgia R. R.....	.....do.....	4.80
	Galveston, Harrisburg and San Antonio Rwy. Co.....	.....do.....	4.60
	Oregon Short Line R. R. Co.....	.....do.....	3.80
	.....do.....	.....do.....	18.00
	Southern Rwy. Co.....	.....do.....	37.90
	Chicago and Northwestern Rwy. Co.....	.....do.....	11.10
	Atlantic Coast Line R. R. Co.....	.....do.....	9.65
	Washington Southern Rwy. Co.....	.....do.....	13.60
	The Chesapeake and Ohio Rwy. Co.....	.....do.....	19.50
	.....do.....	.....do.....	14.00
	C. L. Alexander.....	Salary.....	40.00
	T. S. Hunt.....	.....do.....	50.00
	S. M. Tracy.....	Traveling expenses.....	9.29
	Peter J. Wester.....	Expenses.....	6.40
	Chas. P. Hartley.....	.....do.....	28.70
	L. A. Fitz.....	.....do.....	33.80
	.....do.....	Traveling expenses.....	6.87
	Chicago, St. Paul, Minneapolis and Omaha Rwy. Co.....	Passenger transportation.....	7.12
	Chicago and Alton Rwy. Co.....	.....do.....	3.75
	Pere Marquette R. R. Co.....	.....do.....	34.30
	The Wabash R. R. Co.....	.....do.....	22.00
	Central of Georgia Rwy. Co.....	.....do.....	7.25
19	Fred. A. Schmidt.....	Dividers, etc.....	14.28
20	Geo. T. Moore.....	Traveling expenses.....	49.40
23	M. J. Thomas.....	Salary.....	126.00
	Isidor Keller.....	Rent.....	33.00

*Expenditures of the Department of Agriculture for fiscal year ending June 30, 1904—Cont'd.*

## VEGETABLE PATHOLOGICAL INVESTIGATIONS—Continued.

Date.	Name.	Nature of payment	Total
1904.			
May 25	H. J. Webber	Traveling expenses	\$78.20
	P. J. O'Gara	do	101.07
27	Hermann von Schrenk	Expenses	79.78
28	M. F. Waite	Traveling expenses	15.21
	G. G. Hedgcock	do	118.45
31	J. T. Barghansen	Salary	42.00
	J. W. Kelley	do	39.00
	C. D. Franklin	do	39.00
	J. C. Gordon	do	39.00
	G. O. Minor	do	39.00
	Frank Tenly	do	21.00
	J. M. Veale	do	21.00
	E. W. Walker	do	21.00
	Charles Thompson	do	21.00
	W. A. Rountree	do	21.00
	A. F. Woods et al	Salaries	5,946.92
June 2	E. G. Schollander	Salary	50.00
	Peter J. Wester	do	50.00
	F. Stilwell	do	60.00
	L. H. McCullough	do	40.00
	A. M. Soule	do	25.60
	C. L. Davis	do	25.00
	J. B. Evans	do	50.00
	Thos. S. Hunt	do	50.00
	F. W. Faurot	do	60.00
	C. T. Rumbold	do	40.80
3	L. P. Menchine	Asbestos covering	4.94
	Mackall Bros.	Corks, etc	21.38
	Merek & Co.	Chemicals	7.63
	do	do	11.20
	do	do	4.22
	do	do	23.20
	E. Morrison Paper Co.	Tin foil	14.00
	do	Butter paper	5.20
	do	Tin foil	7.00
	Mallinckrodt Chemical Co.	Chemicals	29.49
	do	do	20.30
	do	do	27.50
	do	do	2.00
	do	do	1.00
	do	do	11.60
	James B. Lambie Co. (Incorporated)	Wire, etc.	8.25
	The Geo. W. Knox Express Co.	Transportation	7.77
	do	do	10.36
	Z. D. Gilman	Tubing, etc.	14.86
	Henry J. Green	Thermometers	4.00
	Geo. D. Feidt & Co.	Flasks	4.60
	do	Alummol.	1.07
	R. J. Farquhar & Co.	Plants	4.00
	do	do	9.00
	The Dust Sprayer Manufacturing Co.	Sprayer, etc.	28.00
	De Camp Fuel Co.	Coal	17.00
	The Carborundum Co.	Laboratory supplies	1.58
	Chico Nursery Co.	Grapevines	23.25
	Bausch & Lomb Optical Co.	Microscope, etc.	198.33
	do	Tubes, etc.	204.27
	R. P. Andrews & Co. (Incorporated)	Paper	19.20
	American Writing Machine Co.	do	91.20
	Adams Express Co.	Transportation	43.45
	do	do	14.60
	do	do	5.70
	Edw. S. Schmid	Boxes	6.00
	William Rennie	Oats	13.96
	Stark Bros. Nurseries and Orchards Co.	Labor.	43.55
	do	do	26.70
	do	do	42.22
	Potomac Electric Power Co.	Electric current	25.68
	The Okonite Co. (Limited)	Wire	4.20
	Wm. Krafft	Objectives, etc.	142.90
	United States Express Co.	Transportation	.30
	do	do	13.17
	Arthur H. Thomas Co.	Artists' materials	5.30
	do	Circles, etc.	13.13
	S. S. Shedd & Bro. Co.	Tubing, etc.	1.85
	Woodward & Lothrop	Chairs, etc.	50.26
	Fred. A. Schmidt	Drawing board	12.72
	do	Rules	2.70
	Whitall, Tatum Co.	Strop	.46
	Washington Gaslight Co.	Gas	8.30
	Washington Railway and Electric Co.	Car tickets	8.25



Expenditures of the Department of Agriculture for fiscal year ending June 30, 1904—Cont'd.

## VEGETABLE PATHOLOGICAL INVESTIGATIONS—Continued.

Date.	Name.	Nature of payment.	Total.
1904.			
June 3	Union Envelope Co.	Envelopes	\$6.95
4	A. A. Winfield	Sugar, etc.	5.35
6	Mineralized Rubber Co.	Hose	84.00
	Emil Greiner	Graduates	30.85
	Church & Stephenson	Lumber	11.50
	do.	do.	22.50
	do.	do.	11.64
	Western Union Telegraph Co.	Telegraph service	14.81
	Jas. W. Hellman	Pipe	42.63
	Kellogg Switchboard and Supply Co.	Desk stand	9.90
	Eimer & Amend	Chemicals	10.80
	do.	Glasses	6.60
	Field Force Pump Co.	Nozzles	4.80
	Deere & Mansur Co.	Beet cult.	15.00
	R. Carter Ballantyne	Paper	2.70
	American Writing Machine Co.	Stand	4.00
	W. B. Moses & Sons	Bookcases	22.46
	The Fred. Macey Co. (Limited)	Card index	18.00
	Remington Typewriter Co.	Adjusting typewriter	.50
	Hugh Reilly	Shellac	.24
	Edw. S. Schmid	Seeds	6.54
	Whitall, Tatum Co.	Laboratory supplies	8.34
	do.	Jars	57.00
	Arthur H. Thomas Co.	Needles, etc.	12.97
	Martin Weigand	Labels	13.05
	D. O. Munson	Fruit trees	14.00
	Yawman & Erbe Manufacturing Co.	Section	13.00
	do.	Folders and guides	7.45
8	B. M. Duggar	Traveling expenses	53.95
	R. E. B. McKenney	do.	25.70
	P. H. Rolfs	do.	38.95
	Geo. T. Moore	do.	45.37
	C. O. Townsend	Expenses	108.55
	Jesse B. Norton	Traveling expenses	32.85
	W. W. Cobey	do.	40.75
	do.	do.	54.11
	Newton B. Pierce	Salary	213.00
	Nis Nissen Lind	do.	50.00
	Sylvester Balz	do.	55.00
	Olimpio Anselmino	do.	39.00
	James Everett Morrow	do.	60.00
	A. F. Woods	Traveling expenses	12.20
	I. P. Roosa	Expenses	3.30
	Hermann von Schrenk	do.	103.98
	A. H. Leidigh	Salary	50.00
	M. B. Lacy	do.	61.40
	E. A. Metcalfe	do.	60.00
	Irene White	do.	60.00
	G. G. Hedgecock	do.	81.80
	John M. Veale	do.	10.50
	Charles Thompson	do.	10.50
9	Haven Metcalf	do.	15.00
	F. D. Kern	do.	22.50
	W. H. Smith	do.	25.00
	Chas. Levi Alexander	do.	40.00
	A. L. Stone	do.	50.00
	John Larson	do.	60.00
	E. W. Walker	do.	13.50
	Frank Tenley	do.	13.50
	Hermann von Schrenk	Expenses	178.98
	P. H. Rolfs	do.	53.64
15	Perley Spaulding	Salary	81.80
	W. M. Hays	do.	151.60
	Theodore Wilkinson	do.	13.75
	John T. Barghansen	do.	39.00
	R. E. Lowery	do.	19.50
	Wm. Gleason	do.	9.00
	John H. Mullings	do.	16.50
	Henry Johnson	do.	9.00
16	Edward Hurdle	Ventilators	14.00
17	W. W. Cobey	Expenses	6.25
	C. H. Billingsley	Traveling expenses	10.51
20	Z. D. Gilman	Chemicals, etc.	18.25
	C. H. Billingsley	Traveling expenses	32.40
	The J. C. Ergood Co.	Sugar, etc.	34.68
	F. W. Bolgiano & Co.	Soda, etc.	3.02
	Bausch & Lomb Optical Co.	Chemicals, etc.	56.06
	Rudolph, West & Co.	Hardware	7.02
	Merk & Co.	Chemicals	4.95
	do.	do.	22.68

Expenditures of the Department of Agriculture for fiscal year ending June 30, 1904—Cont'd.

VEGETABLE PATHOLOGICAL INVESTIGATIONS—Continued.

Date.	Name.	Nature of payment.	Total.
1904, June 20	Merck & Co.....	Chemicals.....	\$22.30
	.....do.....	.....do.....	.78
	.....do.....	Mannit.....	6.50
	Wm. F. Lutz Co.....	Road wagon.....	100.00
	Chas. Lentz & Sons.....	Sharpening razor.....	.35
	Jas. B. Lambie (Incorporated).....	Hardware.....	3.10
	Wm. Krafft.....	Microscope, etc.....	81.00
	The Maurice Joyce Engraving Co.....	Engraving.....	18.27
	Henry J. Green.....	Thermometer.....	5.00
	F. Weber & Co.....	Instruments.....	1.25
	J. S. Merrill Drug Co.....	Sulphur, etc.....	48.11
	Wm. Wesley & Son.....	Specimens.....	7.50
	National Metal Edge Box Co.....	Boxes.....	34.09
	Postal Telegraph-Cable Co.....	Telegraph service.....	.65
	Edw. S. Schmid.....	Beet seeds.....	23.85
	Remington Typewriter Co.....	Typewriter.....	92.25
	Washington Gaslight Co.....	Gas.....	8.10
	Woodward & Lothrop.....	Desks, etc.....	62.35
	Thomas Meehan & Sons.....	Trees.....	13.20
	E. Morrison Paper Co.....	Board.....	1.35
	.....do.....	Bags.....	9.52
	Mackall Bros.....	Chemicals.....	140.90
21	L. A. Fitz.....	Expenses.....	7.05
	W. A. Orton.....	Traveling expenses.....	94.03
	E. B. Brown.....	.....do.....	17.55
22	W. M. Scott.....	.....do.....	67.64
24	James M. Rixey.....	Teams, etc.....	100.00
	A. D. Shamel.....	Traveling expenses.....	103.80
27	C. L. Shear.....	.....do.....	30.51
	A. D. Shamel.....	Expenses.....	4.50
29	The J. C. Ergood Co.....	Pearline and soap.....	5.50
	Chas. R. Edmonston.....	Pasteur bougies.....	24.00
	.....do.....	Crocks, etc.....	4.16
	Eastern Wall Paper Co.....	Papering.....	42.00
	R. C. M. Burton & Son.....	Awnings.....	4.00
	C. Becker.....	Trunk, etc.....	14.50
	Wm. Ballantyne & Son.....	Envelopes.....	25.50
	Adams Express Co.....	Transportation.....	15.38
	.....do.....	.....do.....	19.70
	.....do.....	.....do.....	16.10
	Jas. B. Lambie Co. (Incorporated).....	Screw-drivers, etc.....	2.40
	P. H. Rolfs.....	Expenses.....	27.13
	.....do.....	Traveling expenses.....	49.05
	Erker Bros. Optical Co.....	Prints, etc.....	13.95
	.....do.....	Lantern slides, etc.....	26.25
	The H. & W. B. Drew Co.....	Tar board, etc.....	21.20
	J. R. B. Clemons.....	Clerical aid.....	12.00
	Amour Fertilizer Works.....	Phosphate.....	13.00
	Mallinekrodt Chemical Works.....	Chemicals.....	1.00
	Library Bureau.....	Stands.....	15.00
	R. & J. Farquhar & Co.....	Knives, etc.....	36.70
	J. T. Barghansen.....	Salary.....	39.00
	J. W. Kelley.....	.....do.....	39.00
	Henry Johnson.....	.....do.....	19.50
	William Gleason.....	.....do.....	19.50
	George O. Minor.....	.....do.....	39.00
30	John H. Mullings.....	.....do.....	19.50
	Elijah Qualls.....	.....do.....	16.50
	A. F. Woods.....	Salaries.....	5,790.38
	Total fourth quarter.....		31,938.83
	<i>Supplemental.</i>		
July 1	John Gordon.....	Salary.....	39.00
	Wm. A. Rountree.....	.....do.....	39.00
	C. D. Franklin.....	.....do.....	39.00
2	J. T. Willard.....	Services.....	9.00
	Olimpiao Anselmino.....	Salary.....	39.00
	C. L. Davis.....	.....do.....	25.00
	A. M. Soule.....	.....do.....	24.70
	M. B. Waite.....	Traveling expenses.....	20.55
	J. E. Schaefer.....	Salary.....	8.00
	Newton B. Pierce.....	.....do.....	206.00
	E. A. Metcalfe.....	.....do.....	60.00
	J. E. Morrow.....	.....do.....	60.00
	M. B. Lacy.....	.....do.....	59.30
	Perley Spaulding.....	.....do.....	58.02
	Nis Nissen Lind.....	.....do.....	50.00
	T. S. Hunt.....	.....do.....	50.00
	C. T. Rumbold.....	.....do.....	39.60

Expenditures of the Department of Agriculture for fiscal year ending June 30, 1904—Cont'd.

## VEGETABLE PATHOLOGICAL INVESTIGATIONS—Continued.

Date.	Name.	Nature of payment.	Total.
<i>Supplemental—Continued.</i>			
1904.			
July 5	Di Georgio Importing and Steamship Co.....	Passenger transportation.....	\$60.00
	P. H. Grimes.....	Repairs to refrigerator.....	3.00
	do.....	Making box.....	15.00
	P. O. Vanatter.....	Salary.....	65.90
	Merritt Harper.....	do.....	49.50
	J. B. Norton.....	Expenses.....	24.72
	Newton B. Pierce.....	do.....	520.99
	Hermann von Schrenk.....	Traveling expenses.....	171.10
6	P. J. Wester.....	Expenses.....	20.65
	P. H. Rolfs.....	Traveling expenses.....	43.50
	T. R. Robinson.....	do.....	5.57
	J. T. Willard.....	Expenses.....	60.00
	Clark & Davenport.....	Linoleum.....	67.14
7	W. M. Scott.....	Expenses.....	75.20
	Thos. H. Kearney.....	Traveling expenses.....	187.80
	Church & Stephenson.....	Lumber.....	1.40
	do.....	do.....	5.40
	do.....	do.....	20.48
	do.....	do.....	45.52
9	Hermann von Schrenk.....	Expenses.....	130.88
	Erwin F. Smith.....	Traveling expenses.....	314.13
11	C. L. Alexander.....	Salary.....	40.00
	Alex. Carlyle.....	do.....	150.00
	Jno. Larson.....	do.....	40.00
	A. H. Leidigh.....	do.....	50.00
	H. Metcalfe.....	do.....	15.00
	A. L. Stone.....	do.....	50.00
12	F. W. Faurot.....	do.....	60.00
	F. Stilwell.....	do.....	60.00
	G. G. Hedgcock.....	do.....	79.10
	C. H. Billingsly.....	Traveling expenses.....	40.18
	do.....	Expenses.....	2.83
	H. von Schrenk.....	do.....	124.94
14	J. B. Evans.....	Services.....	50.00
	P. J. Wester.....	do.....	50.00
	L. F. Childers.....	do.....	25.00
	W. H. Smith.....	do.....	25.00
	L. L. Harter.....	do.....	39.60
	L. H. McCullough.....	do.....	40.00
	Irene White.....	do.....	60.00
	B. M. Duggar.....	do.....	100.50
	W. W. Cobey.....	Traveling expenses.....	12.10
	W. M. Scott.....	do.....	68.73
	A. F. Woods.....	do.....	6.10
	Delano & Moore.....	Photo supplies.....	266.65
	Stark Bros. Nursery and Orchards Co.....	Labor.....	38.52
	Armour Fertilizer Works.....	Fertilizer.....	297.00
	Isador Keller.....	Rent.....	33.00
15	Eugene Scott.....	Services.....	54.00
	F. D. Kern.....	do.....	67.50
	J. E. Schaefer.....	Traveling expenses.....	7.32
	C. L. Shear.....	do.....	40.67
18	R. A. Moore.....	Services.....	6.00
	C. J. Brand.....	Traveling expenses.....	128.95
	L. L. Harter.....	do.....	27.10
	do.....	Expenses.....	27.73
	K. F. Kellerman.....	Traveling expenses.....	53.91
	Geo. T. Moore.....	do.....	85.78
	H. J. Webber.....	do.....	52.08
	J. T. Willard.....	Expenses.....	20.00
	Potomac Electric Power Co.....	Electric current.....	24.30
	W. S. Sheetz.....	Photo supplies.....	2.50
	Western Union Telegraph Co.....	Telegraph service.....	3.38
19	American Writing Machine Co.....	Iron brace.....	.70
	J. R. B. Clemons.....	Clerical aid.....	16.00
	J. D. Corry.....	Seeds.....	2.60
	J. H. Bunnell & Co.....	Desk buttons.....	1.80
	Eimer & Amend.....	Bell jars.....	6.40
	do.....	Tripods.....	1.88
	Erker Bros. Optical Co.....	Prints, etc.....	23.05
	Field Force Pump Co.....	Apparatus.....	12.00
	R. Friedlander & Sohn.....	Specimens.....	9.52
	The Goulds Manufacturing Co.....	Pump.....	25.03
	Wm. Kraft.....	Microscope, etc.....	232.00
	Kellogg Switchboard and Supply Co.....	Desk stand.....	30.75
	Library Bureau.....	Guides.....	4.75
	Philip Lindemeyr.....	Paste.....	2.60
	Pierce Loop Sprayer Co.....	Separator.....	1.00
	Loseh Patent Door Co.....	Wash bench, etc.....	38.00



Expenditures of the Department of Agriculture for fiscal year ending June 30, 1904—Cont'd.

VEGETABLE PATHOLOGICAL INVESTIGATIONS—Continued.

Date.	Name.	Nature of payment.	Total.
	<i>Supplemental—Continued.</i>		
1904.			
July 19	The Fred Macey Co. (Limited)	Section, etc.	\$51.30
	do.	do.	14.00
	do.	do.	14.85
	Niles & Scott Co.	Metal wheels	5.60
	The Okonite Co. (Limited)	Electric supplies	4.20
	Queen & Co. (Incorporated)	Methyl orange	2.40
	Swayze, Bailey & Co.	File holders, etc.	51.00
	H. W. Stedman	Labor	24.00
	A. H. Thomas Co.	Dishes, etc.	21.22
	do.	do.	11.28
	do.	Magnifier	1.13
	U. S. Envelope Co.	Envelopes	11.22
	J. J. Valentine	Nuts	1.20
	Whitall, Tatum Co.	Vials	7.50
	do.	Valves, etc.	2.00
	Wallensak Optical Co.	Repairing shutter	.60
	Wolf Bros.	Envelopes	5.36
	Yawman & Erbe Manufacturing Co.	Files	1.10
	do.	Card cabinet	6.75
20	Baltimore and Ohio R. R. Co.	Passenger transportation	20.25
	The Chesapeake and Potomac Telephone Co.	Call	.10
	Eastern Wall Paper Co.	Molding	5.27
	Hutchinson & Harbin	Constructing bridge	82.00
	Geo. P. Killian Co.	Boxes	48.05
	Lamb & Tilden	Numbering machine	13.72
	Jas. B. Lambie Co. (Incorporated)	Wire, etc.	7.68
	Mackall Bros.	Chemicals	149.44
	do.	Camphor gum, etc.	22.07
	do.	do.	161.16
	E. Morrison Paper Co.	Cards	1.25
	do.	Tin foil	15.00
	Geo. F. Muth & Co.	White enamel	.45
	National Electric Supply Co.	Fans	42.50
	The Oliver Typewriter Co.	Repairs	.75
	Remington Typewriter Co.	Tabulator	18.00
	do.	Typewriter and cover	92.25
	do.	Ribbons, etc.	5.20
	do.	do.	1.65
	E. G. Schafer & Co.	Valves, etc.	7.07
	do.	Hose bibbs, etc.	5.85
	do.	Rubber sheeting	1.65
	Thos. Somerville & Sons	Plumbers' supplies	.45
	Alex. Schmid	Boxes	9.50
	Woodward & Lothrop	Desk, etc.	67.62
	S. S. Shedd & Bro. Co.	Metal tubing	5.55
	Edw. S. Schmid	Seeds	17.70
	Underwood Typewriter Co.	Typewriter	87.50
	D. N. Walford	Knives	2.55
	W. M. Whyte	Zinc labels	18.00
	A. Ziehl	Boxes	9.00
	do.	do.	9.00
23	O. O. Churchill	Services	61.29
	E. C. Chilcott	do.	12.00
	W. A. Orton	Expenses	7.80
	Pennsylvania R. R. Co.	Passenger transportation	10.50
	do.	do.	6.00
	do.	do.	97.53
	do.	do.	43.30
	do.	do.	11.00
	Pennsylvania Co.	do.	100.87
	Southern Rwy. Co.	do.	15.90
	Washington Southern Rwy. Co.	do.	7.80
25	W. M. Hays	Services	49.50
	J. M. Johnson	Rent of land	140.00
26	J. F. Duggar	Expenses	10.23
	C. O. Townsend	do.	65.00
	H. A. Miller	Traveling expenses	25.80
	Delano & Moore	Cameras, etc.	201.91
	Church & Stephenson	Lumber	154.81
	do.	do.	33.05
	do.	do.	31.33
	do.	do.	121.30
27	C. O. Townsend	Traveling expenses	121.30
30	St. Louis Southwestern Rwy. Co.	Passenger transportation	6.66
	Missouri, Kansas and Texas Rwy. Co.	do.	2.55
	The Minneapolis and St. Louis R. R. Co.	do.	14.20
	The Atchison, Topeka and Santa Fe Rwy. Co.	do.	44.75
	New York, New Haven and Hartford R. R. Co.	do.	59.20
	do.	do.	23.25
	Nashville, Chattanooga and St. Louis Rwy.	do.	4.60
	Norfolk and Washington S. B. Co.	do.	6.00

Expenditures of the Department of Agriculture for fiscal year ending June 30, 1904—Cont'd.

## VEGETABLE PATHOLOGICAL INVESTIGATIONS—Continued.

Date.	Name.	Nature of payment.	Total.
	<i>Supplemental—Continued.</i>		
1904. July 30	Pittsburg, Cincinnati, Chicago and St. Louis Rwy. Co.	Passenger transportation .....	\$12.75
	Peninsular and Occidental S. S. Co. ....	do .....	40.80
	Union Pacific R. R. Co. ....	do .....	16.57
	The Wabash R. R. Co. ....	do .....	7.83
	do .....	do .....	14.23
	The Texas and Pacific Rwy. Co. ....	do .....	19.20
	St. Louis and San Francisco R. R. Co. ....	do .....	9.21
	Central of Georgia Rwy. Co. ....	do .....	7.25
	do .....	do .....	19.84
	Atlantic Coast Line R. R. Co. ....	do .....	2.46
	Chicago, Milwaukee and St. Paul Rwy. Co. ....	do .....	9.70
	do .....	do .....	19.82
	Denver and Rio Grande R. R. Co. ....	do .....	18.00
	The Missouri Pacific Rwy. Co. ....	do .....	6.95
	Maricopa, Phoenix and Salt River Valley R. R. Co.	do .....	9.70
Aug. 1	W. A. Orton .....	Traveling expenses .....	14.08
	P. H. Rolfs .....	do .....	45.08
	L. A. Fitz .....	Expenses .....	12.28
	Agnes Quirk .....	do .....	7.67
	P. J. Wester .....	do .....	62.13
	do .....	do .....	20.40
	American Writing Machine Co. ....	Letter paper .....	95.00
	R. Friedlander & Sohn .....	Specimens .....	59.50
	do .....	do .....	12.82
	J. C. Jones .....	Drawings .....	40.00
	W. Junk .....	Book .....	4.21
	N. B. Pierce .....	Rent .....	125.00
2	J. H. Sheppard .....	Services .....	12.00
	A. McG. Ferguson .....	do .....	9.68
3	G. P. Killian .....	Paper boxes .....	35.00
	Hugh Reilly .....	Shellac .....	.48
	Z. D. Gilman .....	Weights, etc. ....	57.13
	Swayze, Bailey & Co. ....	Letter books, etc. ....	11.00
	J. Baumgarten & Sons .....	Stamp .....	.50
	Barber & Ross .....	Hatch, etc. ....	2.75
	do .....	Bolts, etc. ....	5.31
	Fred Carl .....	Attachments for camera .....	20.00
	The Chesapeake and Potomac Telegraph Co. ....	Service .....	6.25
	do .....	Call .....	.10
	Delano & Moore .....	Photo supplies .....	69.18
	Dulin & Martin Co. ....	Jars .....	4.20
	Brentano's .....	Manifold pen .....	4.00
	J. C. Parker .....	Copy cloths .....	25.32
	National Mortar Co. ....	Cement .....	24.96
	Potomac Electric Power Co. ....	Current .....	24.60
	E. Morrison Paper Co. ....	Butter paper .....	5.20
	M. Du Perow .....	Buzzers, etc. ....	9.06
	Jas. B. Lambie Co. (Incorporated) .....	Screws, etc. ....	2.48
	W. B. Moses & Sons .....	Table, etc. ....	72.85
	do .....	Bookcases, etc. ....	106.90
	do .....	Chair, etc. ....	27.05
	E. G. Schafer & Co. ....	Ells, etc. ....	.36
	do .....	do .....	291.99
	do .....	Tees, etc. ....	9.09
	do .....	Valves, etc. ....	44.42
	do .....	Copyholder, etc. ....	4.45
	Remington Typewriter Co. ....	Gas .....	8.80
	Washington Gaslight Co. ....	Chairs, etc. ....	17.35
	Woodward & Lothrop .....	Traveling expenses .....	2.15
8	W. G. Sackett .....	Expenses .....	134.47
9	W. W. Cobey .....	do .....	31.05
10	B. M. Duggar .....	Rent .....	33.00
	Issador Kellar .....	Traveling expenses .....	10.00
12	W. T. Swingle .....	Expenses .....	43.74
16	H. von Schrenk .....	Specimens .....	6.00
17	E. Bartholomew .....	Eyelet machine, etc. ....	20.15
	Buxton & Skinner Stationery Co. ....	Nails, etc. ....	13.05
	F. T. Budge .....	Twine, etc. ....	28.20
	do .....	Cases .....	5.20
	Cambridge Botanical Supply Co. ....	Flask and air .....	17.00
	Columbia Liquid Air Co. ....	Cloth tags .....	26.20
	J. R. Collins .....	Tags .....	17.50
	Dennison Manufacturing Co. ....	Camera, etc. ....	72.15
	Delano & Moore .....	Chemicals .....	21.23
	Z. D. Gilman .....	Hammer, etc. ....	32.05
	Jas. B. Lambie Co. (Incorporated) .....	Wall tables .....	64.00
	Woodruff Manufacturing Co. ....	Jars .....	18.00
18	Luytus Bros. Mercantile Co. ....	Alcoholometers .....	7.20
	G. D. Fridt & Co. ....		

Expenditures of the Department of Agriculture for fiscal year ending June 30, 1904—Cont'd.

## VEGETABLE PATHOLOGICAL INVESTIGATIONS—Continued.

Date.	Name.	Nature of payment.	Total.
	<i>Supplemental—Continued.</i>		
1904.			
Aug. 18	Folmer & Schwing Manufacturing Co. ....	Repairs to camera .....	\$0. 50
	Glen St. Mary Nurseries .....	Plants .....	10. 00
	Guild & Garrison .....	Grate bars .....	14. 00
	Robt. Gair Co. ....	Bags .....	24. 49
	do. ....	do. ....	29. 80
	The Leeds Northrop Co. ....	Galvanometer, etc. ....	54. 00
	Wm. Krafft .....	Stand, etc. ....	211. 70
	do. ....	Objective, etc. ....	102. 75
	H. Rehm .....	Specimens .....	5. 00
	Joe Ray .....	Cultivating cotton .....	15. 00
	Stark Bros. Nurseries and Orchard Co. ....	Labor .....	11. 00
	The Stoddard Manufacturing Co. ....	Cultivators .....	26. 00
	C. H. Stoelting & Co. ....	Jars, etc. ....	12. 08
	Spencer Lens Co. ....	Microscope, etc. ....	14. 25
	do. ....	Objectives .....	141. 25
	J. A. Thompson .....	Cultivating cotton .....	15. 00
	F. G. Tracy .....	do. ....	20. 00
	The Utah Sugar Co. ....	Sugar-beet seed .....	22. 30
	Queen & Co. (Incorporated) .....	Chemicals .....	30. 64
	do. ....	do. ....	2. 90
	do. ....	Flasks and dishes .....	3. 07
	do. ....	Chemicals .....	9. 00
	Edw. Nelson .....	Refrigerator .....	19. 50
	Polar Wave Ice and Fuel Co. ....	Ice .....	17. 50
	Clara Preston .....	Typewriting .....	17. 80
	Lucia McCulloch .....	Services .....	60. 00
	Mallinckrodt Chemical Works .....	Chemicals .....	2. 00
	Morrill & Morley .....	Rods and hose .....	10. 05
	Merck & Co. ....	Chemicals .....	17. 63
	do. ....	do. ....	13. 90
	do. ....	do. ....	50
	The Fred Marcy Co. ....	File sections .....	13. 50
	do. ....	do. ....	39. 00
	do. ....	do. ....	31. 10
	Emil Greiner .....	Burettes .....	10. 00
	do. ....	Graduates, etc. ....	9. 80
	Henry Heil Chemical Co. ....	Beakers .....	65. 49
	W. A. McGuie .....	Rent land .....	25. 00
	Eimer & Amend .....	Chemicals .....	15. 04
	do. ....	Drying baths .....	18. 85
	Yawman & Erbe Manufacturing Co. ....	Sections .....	48. 75
	do. ....	do. ....	7. 45
	do. ....	do. ....	7. 75
	Bausch & Lomb Optical Co. ....	Circles, etc. ....	15. 63
	do. ....	Triplets, etc. ....	40. 65
	Library Bureau .....	do. ....	49. 10
	Arthur H. Thomas Co. ....	Slides, etc. ....	29. 80
	do. ....	Paraffin .....	3. 92
	Whitall Tatum Co. ....	Bottles .....	1. 72
	do. ....	do. ....	7. 67
	do. ....	Jars .....	9. 33
19	Chas. P. Hartley .....	Expenses .....	52. 70
22	P. J. Webster .....	do. ....	6. 00
	P. H. Rolfs .....	do. ....	29. 82
	W. M. Scott .....	do. ....	7. 00
26	R. C. Keenan .....	Cultivating cotton .....	120. 00
	do. ....	do. ....	474. 19
	American Can Co. ....	Mailing tubes .....	7. 07
	Western Union Telegraph Co. ....	Service .....	7. 42
27	C. J. Brand .....	Traveling expenses .....	4. 90
	R. C. M. Burton & Sons .....	Awnings .....	16. 00
	Mallinckrodt Chemical Works .....	Chemicals .....	4. 15
	Mackall Bros. ....	Corks, etc. ....	19. 78
	do. ....	Tubes .....	60. 00
	Haller & Cornell Wall Paper Co. ....	Wall paper .....	164. 67
29	The J. C. Ergood Co. ....	Pearline .....	3. 00
	A. M. Ferguson .....	Services .....	78. 00
	A. Y. Greer .....	Cultivating cotton .....	125. 00
	Dudley M. Hughes .....	do. ....	20. 00
	Chas. E. Hodgkin .....	Oil stain .....	1. 50
	Wm. Krafft .....	Balances .....	185. 00
	Geo. F. Muth & Co. ....	Bronze, etc. ....	10. 75
	Rudolph, West & Co. ....	Hardware .....	97. 95
	Ed Swan .....	Cultivating alfalfa, etc. ....	20. 00
	Thos. Somerville & Sons .....	Pipe, etc. ....	457. 85
	Whitall, Tatum & Co. ....	Apparatus .....	35. 00
	Thos. Somerville & Sons .....	Chemical hose, etc. ....	21. 50
Sept. 6	W. G. Sockett .....	Salary .....	80. 00
8	O. Bellman, jr. ....	Grate bars .....	10. 00



## EXPENDITURES IN DEPARTMENT OF AGRICULTURE.

219

Expenditures of the Department of Agriculture for fiscal year ending June 30, 1904—Cont'd.

## VEGETABLE PATHOLOGICAL INVESTIGATIONS—Continued.

Date.	Name.	Nature of payment.	Total.
<i>Supplemental—Continued.</i>			
1904.			
Sept. 10	Karl F. Kellerman.....	Traveling expenses.....	\$10.75
	W. G. Sockett.....	Expenses.....	25.87
	Haven Metcalf.....	do.....	38.46
	Jas. G. Biddle.....	Patentrometer, etc.....	285.70
	Bausch & Lomb Optical Co.....	Bottles.....	32.12
13	Newton B. Pierce.....	Traveling expenses.....	15.35
	do.....	Expenses.....	410.47
15	Estate Jno. C. Parker.....	Stationery supplies.....	54.36
19	Lake Shore and Michigan Southern Rwy. Co.	Passenger transportation.....	15.10
	San Pedro, Los Angeles and St. Louis R. R. Co.	do.....	7.50
	Pennsylvania R. R. Co.....	do.....	1.41
	do.....	do.....	13.00
	do.....	do.....	40.40
	do.....	do.....	4.00
	do.....	do.....	128.30
	Oregon Short Line R. R. Co.....	do.....	57.75
	Atlantic Coast Line R. R. Co.....	do.....	5.80
	do.....	do.....	20.00
	Denver and Rio Grande R. R. Co.....	do.....	36.00
	The Atchison, Topeka and Santa Fe Rwy. Co.	Transportation.....	39.91
	Texas and Pacific Rwy. Co.....	do.....	6.61
	Baltimore and Ohio R. R. Co.....	Passenger transportation.....	43.55
	do.....	do.....	25.50
	The Pullman Co.....	do.....	6.00
	Chesapeake and Ohio Rwy. Co.....	Transportation.....	.95
	do.....	Passenger transportation.....	16.00
	Southern Rwy. Co.....	do.....	27.85
	do.....	do.....	32.50
	Washington Southern Rwy.....	do.....	1.65
	do.....	do.....	1.95
	Chicago Great Western Rwy. Co.....	do.....	8.10
	Terre Haute and Indianapolis R. R. Co.....	do.....	7.40
	The Missouri Pacific Rwy. Co.....	do.....	24.50
	Illinois Central R. R. Co.....	do.....	23.00
	Central of Georgia R. R. Co.....	do.....	3.16
	do.....	do.....	4.22
	Cleveland, Cincinnati, Chicago and St. Louis Rwy. Co.	do.....	27.25
	do.....	do.....	6.85
20	A. H. Busch & Co.....	Pipe, etc.....	113.55
	Barber & Ross.....	Hardware.....	1.85
	Littlefield, Alvord & Co.....	Transportation.....	.75
	do.....	do.....	1.20
	do.....	do.....	.94
	do.....	do.....	.40
	Standard Oil Co.....	Gasoline.....	26.40
	Merck & Co.....	Chemicals.....	8.75
	Yawman & Erbe Manufacturing Co.....	Cards.....	15.00
	United States Express Co.....	Transportation.....	5.99
	do.....	do.....	20.00
	Thos. Somerville & Sons.....	Sinks, etc.....	26.45
	do.....	Heating apparatus.....	29.54
	Woodward & Lothrop.....	Furniture.....	41.60
	Remington Typewriter Co.....	Adjusting typewriter.....	1.00
	Bausch & Lomb Optical Co.....	Driers, etc.....	6.24
	Adams Express Co.....	Transportation.....	32.75
	do.....	do.....	17.20
	Oswald Weigel.....	Specimens.....	18.41
24	Florida East Coast Rwy. Co.....	Passenger transportation.....	31.20
26	Armour Fertilizer Works.....	Fertilizer.....	30.00
	do.....	do.....	20.00
	W. W. Crosier.....	Lumber.....	29.92
28	H. von Schrenk.....	Expenses.....	2.87
	Total.....		15,795.25

## RECAPITULATION.

First quarter.....	\$20,936.83
Second quarter.....	25,243.53
Third quarter.....	28,749.78
Fourth quarter.....	31,938.83
Supplemental.....	15,795.25
Total.....	122,664.22

220 EXPENDITURES IN DEPARTMENT OF AGRICULTURE.

Expenditures of the Department of Agriculture for fiscal year ending June 30, 1904—Cont'd.

VEGETABLE PATHOLOGICAL INVESTIGATIONS—RENT.

Date.	Name.	Nature of payment.	Total.
1903.			
Aug. 10	Tyler & Rutherford.....	Rent.....	\$133.33
Sept. 9	.....do.....	.....do.....	133.33
	Total first quarter.....		266.66
Oct. 14	Tyler & Rutherford.....	Rent.....	133.33
Dec. 10	.....do.....	.....do.....	266.66
	Total second quarter.....		399.99
1904.			
Jan. 18	Tyler & Rutherford.....	Rent.....	133.33
Feb. 24	.....do.....	.....do.....	133.33
Mar. 22	.....do.....	.....do.....	133.33
	Total third quarter.....		399.99
Apr. 13	Tyler & Rutherford.....	Rent.....	133.33
May 12	.....do.....	.....do.....	133.33
	Amanda E. Brown.....	.....do.....	300.00
June 18	Tyler & Rutherford.....	.....do.....	133.33
	Total fourth quarter.....		699.99
	<i>Supplemental.</i>		
July 14	Amanda E. Brown.....	Rent.....	60.00
26	Tyler & Rutherford.....	.....do.....	133.33
Aug. 3	H. V. Lansdale.....	.....do.....	150.00
	Total.....		343.33

RECAPITULATION.

First quarter.....	\$266.66
Second quarter.....	399.99
Third quarter.....	399.99
Fourth quarter.....	699.99
Supplemental.....	343.33
Total.....	2,109.96

VEGETABLE PATHOLOGICAL INVESTIGATIONS, 1903-4.

Date.	Name.	Nature of payment.	Total.
1903.			
May 15	M. B. Waite.....	Traveling expenses.....	\$116.47
	Total fourth quarter, 1903.....		116.47
1904.			
Sept. 18	Pennsylvania R. R. Co.....	Passenger transportation.....	44.00
	Texas and New Orleans R. R. Co.....	.....do.....	20.00
19	Atlantic Coast Line R. R. Co.....	.....do.....	29.16
	The Colorado and Southern Rwy. Co.....	.....do.....	26.55
	Total first quarter, 1904.....		119.71
Oct. 2	J. S. Cole.....	Salary.....	60.00
	J. B. Evans.....	.....do.....	50.00
	F. W. Faurot.....	.....do.....	60.00
	H. K. Mooney.....	.....do.....	25.00
	P. H. Dorsett.....	.....do.....	183.40
	P. H. Rolfs.....	.....do.....	163.00
	Nis Nissen Lind.....	.....do.....	50.00
	J. E. Hite.....	.....do.....	25.00
	A. McG. Ferguson.....	.....do.....	50.00
	L. A. Fitz.....	.....do.....	50.00
	W. M. Hays.....	.....do.....	101.00
	J. F. Brewer.....	.....do.....	81.60
	E. A. Metcalfe.....	.....do.....	60.00
	N. M. Kelley.....	.....do.....	60.00
	Frances Stilwell.....	.....do.....	60.00
	A. H. Leidigh.....	.....do.....	50.00

Expenditures of the Department of Agriculture for fiscal year ending June 30, 1904—Cont'd.

VEGETABLE PATHOLOGICAL INVESTIGATIONS, 1903-4—Continued.

Date.	Name.	Nature of payment.	Total.
1904.			
Oct. 2	M. B. Lacy .....	Salary .....	\$58.80
	Newton B. Pierce .....	do .....	203.80
	Perley Spaulding .....	do .....	78.20
	A. M. Soule .....	do .....	24.40
	E. G. Schollander .....	do .....	50.00
	G. G. Hedgcock .....	do .....	78.20
6	Sylvester Bolz .....	do .....	55.00
	W. M. Hays .....	do .....	49.00
	A. L. Stone .....	do .....	50.00
	H. C. Henriksen .....	do .....	58.80
	A. W. Edson .....	do .....	78.20
	Walter Evans .....	do .....	16.25
	L. H. McCullough .....	do .....	40.00
9	C. T. Rumbold .....	do .....	40.00
19	Alex. Carlyle .....	do .....	150.00
	C. O. Rund .....	do .....	40.00
	M. L. Dean .....	do .....	40.00
Nov. 3	M. B. Lacy .....	do .....	60.60
	E. G. Schollander .....	do .....	50.00
	H. C. Henriksen .....	do .....	60.60
	A. M. Soule .....	do .....	25.30
	Newton B. Pierce .....	do .....	210.60
	E. A. Metcalfe .....	do .....	60.00
	G. G. Hedgcock .....	do .....	80.90
	Nis Nissen Lind .....	do .....	50.00
	L. H. McCullough .....	do .....	40.00
	B. M. Duggar .....	do .....	100.30
	J. B. Evans .....	do .....	50.00
	L. A. Fitz .....	do .....	50.00
	Perley Spaulding .....	do .....	80.90
	F. W. Faurot .....	do .....	60.00
	Total second quarter .....		3,218.85
1904.			
Jan. 14	E. W. Churchill .....	Expenses .....	159.86
	Total, third quarter .....		159.86
	Supplemental.		
Aug. 23	Indian Head Plantation (Incorporated) .....	Cultivating tobacco .....	800.00

RECAPITULATION.

Fourth quarter, 1903 .....	\$116.47
Fourth quarter, 1904 .....	119.71
Second quarter .....	3,218.85
Third quarter .....	159.86
Supplemental .....	800.00
Total .....	4,414.89

POMOLOGICAL INVESTIGATIONS.

Date.	Name.	Nature of payment.	Total.
1903.			
July 25	South Side Manufacturing Co. ....	Fruit boxes .....	\$68.00
31	G. B. Brackett et al. ....	Salaries .....	1,874.28
Aug. 1	G. H. Powell .....	Traveling expenses .....	79.14
3	H. P. Gould .....	do .....	76.27
12	S. H. Fulton .....	do .....	20.20
13	R. P. Andrews & Co. (Incorporated) .....	Fruit wraps, etc. ....	35.20
	S. H. Fulton .....	Traveling expenses .....	21.47
15	E. Morrison Paper Co. ....	Paper clippings .....	2.00
	do .....	Herbarium paper .....	4.50
18	Woodward & Lothrop .....	Water cooler .....	4.87
21	E. J. Pullman .....	Plates .....	3.30
25	G. Harold Powell .....	Traveling expenses .....	41.02
26	Merchants Refrigerator Co. of New York .....	Storage of fruit .....	18.70
31	G. B. Brackett et al. ....	Salaries .....	1,936.25
Sept. 3	S. H. Fulton .....	Traveling expenses .....	8.00
5	H. P. Gould .....	do .....	73.57
9	Yawman & Erbe Manufacturing Co. ....	Cards .....	3.25



*Expenditures of the Department of Agriculture for fiscal year ending June 30, 1904—Cont'd.*

## POMOLOGICAL INVESTIGATIONS—Continued.

Date.	Name.	Nature of payment.	Total.
1903.			
Sept. 10	J. S. Topham	Case for electric thermometer	\$6.00
14	S. H. Fulton	Traveling expenses	44.59
16	W. A. Taylor	Expenses	111.63
18	G. H. Powell	Traveling expenses	52.77
	W. H. Ragan	do	28.94
	Delano & Moore	Photo supplies	16.40
	Washington Southern Rwy. Co.	Passenger transportation	18.50
	Norfolk and Washington Steamboat Co.	do	17.50
	Pennsylvania R. R. Co.	do	28.45
	do	do	15.55
21	W. A. Taylor	Expenses	16.50
	E. Morrison Paper Co.	Tags	2.00
	W. S. Shutz	Repairs to camera	.70
19	Southern Rwy. Co.	Passenger transportation	17.50
	Central R. R. Co. of New Jersey	do	6.50
24	Schneider Bros.	Psychrometers	7.50
	do	Cases	1.50
	F. L. Bradley	Pears	111.85
	A. Hoover	Apples	34.20
	Chas. Hoffman	do	24.40
30	G. B. Brackett et al.	Salaries	1,926.36
	Total first quarter		6,759.36
Oct. 3	G. B. Brackett	Traveling expenses	27.54
9	Underwood Typewriter Co.	Typewriter	87.50
10	Woodward & Lothrop	Desk and screen	32.25
	G. Harold Powell	Traveling expenses	42.73
12	Dulin & Martin Co.	Bowls and cups	1.01
	E. Morrison Paper Co.	Herbarium paper	4.50
	R. P. Andrews & Co. (Incorporated)	Fruit wraps	10.00
14	Church & Stephenson	Lumber	8.50
21	Yawman & Erbe Manufacturing Co.	Card section	9.00
	do	Cards	6.55
22	Theodor Leonhard	Beeswax	13.50
23	E. J. Pullman	Prints	1.06
27	H. P. Gould	Traveling expenses	170.40
28	W. B. Moses & Sons	Chairs	4.00
	W. K. Wonders	Traveling expenses	57.08
31	Baltimore and Ohio R. R. Co.	Passenger transportation	10.16
	New York Central and Hudson River R. R. Co.	do	18.10
	G. B. Brackett et al.	Salaries	2,012.05
Nov. 4	David Griffiths	Salary	450.00
5	S. H. Fulton	Traveling expenses	15.00
	do	do	59.05
	G. Harold Powell	do	22.58
13	R. P. Andrews & Co. (Incorporated)	Fruit wraps	46.00
	do	do	2.40
20	J. G. Elbs	Paper	13.08
	F. L. Bradley	Crates	5.05
	The Draper Manufacturing Co.	Thermometers	50.00
	Samuel H. Derby	Apples	62.00
	G. P. Miller	do	71.00
	A. A. Boggs	do	7.50
20	Geo. C. Husmann	Traveling expenses	281.12
	F. A. Salisbury	Apples	34.75
	Frank B. Read	Fruit wraps, etc.	17.80
23	W. H. Hart	Apples	21.00
	Montgomery Door & Box Co.	Shooks	467.90
	Queen & Co. (Incorporated)	Carbon bisulphide	1.24
	J. H. Hale	Fruit	232.50
	do	Express charges	11.90
	Geo. T. Powell	Fruit	246.00
	do	Freight charges	4.19
30	G. Harold Powell	Traveling expenses	40.01
	G. B. Brackett et al.	Salaries	1,948.40
Dec 1	E. J. Pullman	Prints	1.28
	do	do	4.30
	Delano & Moore	Plates	11.09
2	Yawman & Erbe Manufacturing Co.	Guides	16.25
	Fred. L. Bradley	Apples	18.50
	Western Electric Co.	Thermometer coils	9.00
	do	Coils	18.50
	John A. Maney	Packing fruit	3.00
	Eimer & Amend	Generators	19.50
	Randolph Paper Box Co.	Cases	23.00
3	S. H. Derby	Express charges	12.58
	H. L. Price	do	9.23
	O. M. Taylor	Packing fruit	3.00

Expenditures of the Department of Agriculture for fiscal year ending June 30, 1904—Cont'd.

POMOLOGICAL INVESTIGATIONS—Continued.

Date.	Name.	Nature of payment.	Total.
1903.			
Dec. 3	F. M. Soper	Apples	\$11.00
	G. G. Hitchings	do	57.98
	T. A. Farrand	do	4.87
	E. H. Durell	Cranberries	52.50
	W. T. Mann	Apples	23.75
5	Giddings & Steele	Carpet	18.00
8	Southern Rwy. Co.	Passenger transportation	27.50
	do	do	25.65
	Seaboard Air Line Rwy.	do	14.70
11	The Geo. W. Knox Express Co.	do	1.04
14	Woodward & Lothrop	Desk, etc	20.92
	S. H. Derby	Apples	442.00
17	Rudolph, West & Co.	Drawer pulls	4.45
	J. H. Hale	Export shipment peaches	140.14
18	Central R. R. Co. of New Jersey	Passenger transportation	6.50
	Lehigh Valley R. R. Co.	do	13.43
	Michigan Central R. R. Co.	do	9.76
	do	do	11.07
	New York Central and Hudson River R. R. Co.	do	10.25
	Baltimore and Ohio R. R. Co.	do	8.02
21	S. H. Derby	Apples	106.30
29	Rothwell & Co.	do	12.00
	Yawman & Erbe Manufacturing Co.	Cards	8.75
31	G. B. Brackett et al.	Salaries	2,016.41
	Total second quarter		9,817.62
1904.			
Jan. 6	G. Harold Powell	Traveling expenses	11.20
	S. H. Fulton	do	11.75
12	The Washington Market Co.	Storage fruits	4.90
15	G. Harold Powell	Traveling expenses	21.13
16	W. H. Hart	Apples	49.19
	J. P. Friez	Spring	8.25
	W. M. Munson	Boxes	2.80
	Draper Manufacturing Co.	Thermometers	50.00
	Wm. A. Taylor	Traveling expenses	138.95
	do	Expenses	26.02
18	Mackall Bros.	Chemicals	1.65
	Adams Express Co.	Transportation	14.00
	Buffalo Cold Storage Co.	Cartage	7.21
	Ellwanger & Barry	Pears	18.25
	Geo. P. Hall & Son	Photos and slides	11.00
20	W. K. Wonders	Traveling expenses	11.60
25	New York Central and Hudson River R. R. Co.	Passenger transportation	17.22
	Morgan's Louisiana and Texas R. R. and Steamship Co.	do	7.10
	The Wabash R. R. Co.	do	7.00
	Pennsylvania R. R. Co.	do	33.95
	do	do	14.88
	do	do	43.78
	do	do	11.20
	Thos. Meehan & Sons (Incorporated)	Seeds	1.49
26	Woodward & Lothrop	Clock	5.50
27	Lamb & Tilden	Wheel for dater, etc.	2.75
29	Rothwell & Co.	Storage apples	83.63
	Theodor Leonhard	Beeswax	27.00
	S. H. Fulton	Traveling expenses	16.85
31	G. B. Brackett et al.	Salaries	2,110.45
Feb. 3	Edw. S. Schmid	Labels	5.00
4	G. C. Husmann	Traveling expenses	34.40
9	E. J. Pullman	Prints	3.04
11	G. Harold Powell	Traveling expenses	79.02
12	Yawman & Erbe Manufacturing Co.	Cards	10.50
13	W. K. Wonders	Traveling expenses	16.86
17	Baltimore and Ohio R. R. Co.	Passenger transportation	3.61
18	Pennsylvania R. R. Co.	do	19.50
	Chicago and Alton Rwy. Co.	do	7.50
	S. H. Fulton	Traveling expenses	15.70
27	Western Union Telegraph Co.	Telegraph service	47.73
29	G. B. Brackett et al.	Salaries	1,976.60
Mar. 5	Yawman & Erbe Manufacturing Co.	Guides	9.00
11	G. Harold Powell	Traveling expenses	124.79
	Postal Telegraph Cable Co.	Telegraph service	5.43
	Western Cold Storage Co.	Storage	16.71
17	Baltimore and Ohio R. R. Co.	Passenger transportation	17.50
	Houston and Texas Central R. R. Co.	do	7.90
	Gulf, Colorado and Santa Fe Rwy. Co.	do	3.90

Expenditures of the Department of Agriculture for fiscal year ending June 30, 1904—Cont'd.

## POMOLOGICAL INVESTIGATIONS—Continued.

Date.	Name.	Nature of payment.	Total.
1904.			
Mar. 18	Pennsylvania R. R. Co.	Passenger transportation.	\$26.00
21	Merchants' Refrigerating Co.	Cartage.	18.50
22	G. H. Powell.	Traveling expenses.	69.95
24	United States Express Co.	Transportation.	4.45
29	Draper Manufacturing Co.	Charts, etc.	4.62
	The Hammond Typewriter Co.	Stencil paper.	5.15
	Barber & Ross.	Copper wire.	1.30
31	J. B. Brackett et al.	Salaries.	2,119.21
	Total third quarter.		7,423.57
Apr. 4	S. H. Fulton.	Traveling expenses.	14.60
6	G. H. Powell.	do.	12.60
12	Western Cold Storage Co.	Storage.	12.70
	Schneider Bros.	Psychrometers.	10.50
	The Draper Manufacturing Co.	Thermometers.	100.00
	Henry J. Green.	do.	32.00
	Queen & Co. (Incorporated).	do.	12.00
14	Blue Line Transfer Co.	Transportation.	7.75
	R. P. Andrews & Co.	Bags.	2.34
	W. B. Moses & Sons.	Shades.	2.08
18	W. P. Corsa.	Traveling expenses.	7.37
	E. Morrison Paper Co.	Bristol board.	3.00
	Delano & Moore.	Photo supplies.	7.02
19	Julien P. Friez.	Thermometer supports.	6.80
20	Pennsylvania R. R. Co.	Passenger transportation.	58.30
	do.	do.	20.00
	Seaboard Air Line Rwy. Co.	do.	25.80
	Washington Southern Rwy. Co.	do.	24.35
	Missouri, Kansas and Texas Rwy. Co.	do.	3.00
	The Pullman Co.	do.	18.00
	The Atchison, Topeka and Santa Fe Rwy. Co.	do.	61.50
	Southern California Rwy. Co.	do.	3.15
	do.	do.	8.55
	Lehigh Valley R. R. Co.	do.	7.00
	Georgia R. R.	do.	8.58
22	G. H. Powell.	Traveling expenses.	13.90
30	G. B. Brackett et al.	Salaries.	2,035.34
May 6	Remington Typewriter Co.	Tabulator.	18.00
	do.	Repairs to typewriter.	6.45
12	J. E. Turton.	Shelters.	36.00
13	Jas. S. Topham.	Camera case.	10.00
16	S. H. Derby.	Peaches.	13.60
18	Pennsylvania Co.	Passenger transportation.	17.50
26	Baltimore and Ohio R. R. Co.	Transportation.	.95
	D. D. Black.	Lemons.	2.63
27	G. H. Powell.	Traveling expenses.	17.16
	do.	do.	9.75
	Isaac Clinkett.	Salary.	34.50
	G. B. Brackett et al.	Salaries.	2,137.70
June 2	M. B. Waite.	Peaches.	20.00
3	Merchants' Refrigerating Co.	Storage.	74.00
	The Fred. Macey Co.	Sections.	28.00
	Theo. Leonhard.	Beeswax.	27.00
	Jas. B. Lambie Co.	Hardware.	3.49
	Densmore Typewriter Co.	Repairs to typewriter.	7.50
	Delano & Moore.	Supplies.	8.71
	Buffalo Cold Storage Co.	Freight.	31.74
	Adams Express Co.	Transportation.	2.05
	do.	do.	4.80
	do.	do.	5.60
	do.	do.	3.55
	do.	do.	1.50
	do.	do.	3.55
	G. P. Miller.	Apples.	19.00
	do.	do.	54.14
	do.	do.	2.75
	United States Express Co.	Transportation.	1.00
	Yawman & Erbe Manufacturing Co.	Cases.	11.25
	Woodward & Lothrop.	Cotton.	.90
6	Western Union Telegraph Co.	Service.	8.19
8	H. P. Gould.	Traveling expenses.	66.32
	W. K. Wonders.	do.	30.75
20	Julien P. Friez.	Thermographs.	150.00
24	Geo. C. Husmann.	Traveling expenses.	214.13
27	G. H. Powell.	do.	27.82
29	Dulin & Martin.	Dishes.	1.29
	R. L. Anderson.	Berries.	65.12
	Delano & Moore.	Photo supplies.	7.28
	C. A. Muddiman & Co.	Gas range.	3.75



Expenditures of the Department of Agriculture for fiscal year ending June 30, 1904—Cont'd.

## POMOLOGICAL INVESTIGATIONS—Continued.

Date.	Name.	Nature of payment.	Total.
1904.			
June 29	The Draper Manufacturing Co. ....	Charts .....	\$9.00
	Merchants' Refrigerating Co. ....	Storage, etc. ....	97.90
	Fabian Garcia .....	Specimens .....	13.90
June 30	Isaac Clinkett .....	Salary .....	39.00
	G. B. Brackett et al. ....	Salaries .....	2,342.97
	Total fourth quarter .....		8,210.32
	<i>Supplemental.</i>		
July 2	David Griffith .....	Salary .....	148.30
	S. H. Fulton .....	Traveling expenses .....	9.72
	Geo. C. Husmann .....	do .....	33.25
7	H. P. Gould .....	do .....	1.10
	do .....	do .....	62.56
9	W. A. Taylor .....	Expenses .....	60.83
14	G. H. Powell .....	Traveling expenses .....	24.22
15	W. S. Sheetz .....	Photo supplies .....	49.45
	Jas. S. Topham .....	Camera, etc. ....	10.00
	Western Union Telegraph Co. ....	Service .....	.40
19	J. G. Elbs .....	Boards .....	13.76
	J. P. Friez .....	Thermograph forms .....	4.50
	The Fred. Macey Co. (Limited) .....	Cases .....	28.00
	do .....	do .....	30.50
	do .....	do .....	48.50
20	Rueckheim Bros. & Erkstein .....	Paraffin paper .....	4.50
	R. P. Andrews & Co. (Incorporated) .....	Fruit wraps .....	21.00
	R. L. Anderson .....	Raspberries .....	16.64
	Jno. K. Brown .....	do .....	5.44
	J. A. McDonald & Co. ....	Lathes .....	22.25
	Geo. F. Muth & Co. ....	Plaster .....	2.50
	Woodward & Lothrop .....	Desk, etc. ....	63.69
	Jas. Ward .....	Cherries .....	13.00
	G. T. Wade .....	Raspberries .....	33.60
	do .....	Strawberries .....	28.80
23	C. W. Nichols .....	Shooks .....	121.00
	Pennsylvania R. R. Co. ....	Passenger transportation .....	32.30
	do .....	do .....	20.00
	do .....	do .....	22.40
	Washington Southern Rwy. Co. ....	do .....	24.35
30	Lehigh Valley R. R. Co. ....	do .....	9.33
Aug. 1	S. H. Fulton .....	Traveling expenses .....	12.05
	Geo. C. Husmann .....	Expenses .....	29.71
2	P. H. Rolfs .....	do .....	7.50
3	R. Harris & Co. ....	Pitcher .....	7.00
	Potomac Electric Power Co. ....	Lamps .....	9.60
	National Electric Supply Co. ....	Shade holder .....	1.00
	M. Du Perow .....	Supplies .....	24.88
	E. G. Shafer & Co. ....	Material .....	19.78
	W. H. Dyer .....	Supplies .....	7.50
	W. B. Moses & Sons .....	File case .....	16.50
4	South Side Manufacturing Co. ....	Panel-end carriers .....	82.50
16	Clark & Davenport .....	Bookcase .....	19.75
	do .....	Linoleum .....	344.52
	do .....	Rubber .....	35.00
	Delano & Moore .....	Supplies .....	41.11
	do .....	do .....	104.02
17	Barber & Ross .....	Chest handles .....	.45
	F. C. Bancroft .....	Transportation .....	26.67
	J. H. Bunnell & Co. ....	Electric supplies .....	16.00
	Delano & Moore .....	Supplies .....	25.20
	Geo. F. Muth & Co. ....	Paint .....	.60
	Woodward & Lothrop .....	Screens .....	134.40
18	J. G. Elbs .....	Corrugated board .....	34.40
	The Hale Georgia Orchard Co. ....	Express charges .....	68.86
	Mullen Bros. Paper Co. ....	Berry boxes .....	2.25
	C. W. Nichols .....	Fruit boxes .....	487.50
	Yawman & Erbe Manufacturing Co. ....	Sections .....	45.25
	do .....	do .....	19.00
	do .....	do .....	18.75
	Estate of F. B. Read .....	Peach cushion .....	10.00
	do .....	Paper stripes .....	2.70
26	The Okonite Co. (Limited) .....	Wire .....	22.50
29	Western Union Telegraph Co. ....	Service .....	1.17
	California Fine Fruit Co. ....	Fillers, etc. ....	36.00
	do .....	do .....	207.76
	W. Silas Sheetz .....	Laboratory stand .....	48.00
	Thos. Somerville & Sons .....	Pipe, etc. ....	71.67

Expenditures of the Department of Agriculture for fiscal year ending June 30, 1904—Cont'd.

## POMOLOGICAL INVESTIGATIONS—Continued.

Date.	Name.	Nature of payment.	Total.
<i>Supplemental—Continued.</i>			
1904. Aug. 29	United States Express Co.....	Transportation.....	\$6.45
	do.....	do.....	2.30
	Washington Market Co.....	Cold storage.....	56.95
	Woodruff Manufacturing Co.....	Herbarium cases.....	156.00
	Yawman & Erbe Manufacturing Co.....	Sections.....	40.00
Sept. 7	H. von Luttichan.....	Expenses.....	50.00
19	Pennsylvania R. R. Co.....	Passenger transportation.....	7.80
	Baltimore and Ohio R. R. Co.....	do.....	77.00
	do.....	do.....	31.50
	The Pullman Co.....	do.....	23.00
	do.....	do.....	5.50
	Southern R. R. Co.....	do.....	17.50
	Seaboard Air Line Rwy. Co.....	do.....	15.25
	Central of Georgia R. R. Co.....	do.....	3.16
	Terre Haute and Indianapolis R. R. Co.....	do.....	19.25
20	Theo. Leonhard.....	Beeswax.....	27.00
	Adams Express Co.....	Transportation.....	6.85
	do.....	do.....	.80
	do.....	do.....	9.04
	Western Union Telegraph Co.....	Service.....	1.76
	Yawman & Erbe Manufacturing Co.....	Cards.....	30.00
	do.....	Section and base.....	51.25
	Columbia Art Glass and Mirror Works.....	Mirrors.....	14.00
	C. Engle's Sons.....	Oranges.....	1.30
	The Hale Georgia Orchard Co.....	Peaches.....	313.50
24	Baltimore and Ohio R. R. Co.....	Passenger transportation.....	11.75
	H. von Luttichan.....	Expenses.....	42.40
	Total.....		4,028.75

## RECAPITULATION.

First quarter.....	\$6,759.36
Second quarter.....	9,817.62
Third quarter.....	7,423.57
Fourth quarter.....	8,210.32
Supplemental.....	4,028.75
Total.....	36,239.62

## POMOLOGICAL INVESTIGATIONS—PAID BY TREASURY.

Date.	Name.	Nature of payment.	Total.
1904. Jan. 14	Baltimore and Ohio R. R. Co.....	Passenger transportation.....	\$81.58
	The Atchison, Topeka and Santa Fe Rwy. Co.....	do.....	9.50
15	Southern Pacific Co.....	do.....	3.00
Feb. 17	do.....	do.....	62.45
	do.....	do.....	2.65
	Total.....		159.18

## BOTANICAL INVESTIGATIONS AND EXPERIMENTS.

1903. July 15	G. W. Moss.....	Passenger transportation.....	\$118.35
29	Edw. Palmer.....	Botanical specimens.....	167.60
31	F. V. Coville et al.....	Salaries.....	3,112.63
Aug. 14	F. V. Coville.....	Traveling expenses.....	61.41
17	John Chatillon & Sons.....	Balances.....	3.03
	Merek & Co.....	Chemicals.....	23.50
20	Delano & Moore.....	Photo. supplies.....	202.31
21	James S. Topham.....	Brief case.....	8.00
	M. Lindsay Rubber Co.....	Boots.....	4.50
	Capital Traction Co.....	240 car tickets.....	10.00
	do.....	120 car tickets.....	5.00
	K. Kneessi's Sons.....	Satchel.....	2.50
	do.....	Trunk.....	8.00
	Washington Wood-Working Co.....	Molding.....	1.00
	M. G. Copeland Co.....	Awnings.....	15.75

Expenditures of the Department of Agriculture for fiscal year ending June 30, 1904—Cont'd.

## BOTANICAL INVESTIGATIONS AND EXPERIMENTS—Continued.

Date.	Name.	Nature of payment.	Total.
1903.			
Aug. 21	American Writing Machine Co.	Paper.	\$28.50
	Conrad Becker.	Oiling saddles.	1.50
25	Bausch & Lomb Optical Co.	Field glass.	30.00
	Eimer & Amend.	Cork borers.	15.65
	do.	Weights.	12.80
	Rudolph, West & Co.	Hinges, etc.	12.00
	Mackall Bros.	Carboy, etc.	2.26
26	W. W. Rowlee.	Negatives, etc.	16.80
	Carrie Stake.	Cloth sacks.	8.00
	Fred. C. White.	Demijohns.	20.00
27	Jas. B. Lambie.	Brooms.	3.18
	do.	Glue.	2.50
	W. B. Moses & Sons.	Chair.	3.75
	E. G. Schafer & Co.	Pipe, etc.	13.31
	do.	Tees.	12.34
31	F. V. Coville et al.	Salaries.	3,116.73
Sept. 3	L. H. Dewey.	Traveling.	117.17
4	D. C. Paper Manufacturing Co.	Blotting paper.	9.00
	Washington Gaslight Co.	Gas.	5.10
	Potomac Electric Power Co.	Electric current.	22.60
10	Union Envelope Co.	Envelopes.	20.85
	U. S. Envelope Co.	do.	8.00
	Mallinckrodt Chemical Works.	Chemicals.	4.22
	Hugh Reilly.	Ground glasses.	2.75
	T. R. Riley.	Laths.	1.98
	Barber & Ross.	Elbow catches.	1.80
	Queen & Co. (Incorporated).	Chemicals.	1.20
	Whitall, Tatum Co.	Spatulas, etc.	.84
	J. B. Lambie Co. (Incorporated).	Brads.	.24
	Carrie Stake.	Sacks.	20.85
	Woodward & Lothrop.	Stand.	5.00
	Z. D. Gilman.	Chemicals, etc.	4.95
	The M. Lindsay Rubber Co.	Boots.	4.50
	E. Morrison Paper Co.	Fountain pen.	5.00
	Henry Heil Chemical Co.	Vaseline, etc.	.99
	Rudolph, West & Co.	Tape measure.	.90
	E. G. Schafer & Co.	Gas hose cocks.	.67
11	H. S. Conard.	Notes on plants.	60.00
	Woodruff Manufacturing Co.	Sections.	26.00
	C. D. Brereton.	Making prints.	20.00
	Lamb & Tilden.	Numbering machine.	13.72
	Seabury & Johnson.	Isinglass.	7.50
	Jno. Chatillon & Sons.	Balances.	3.03
	C. V. Grant.	Traveling expenses.	89.23
14	E. V. Wilcox.	do.	115.15
	W. O. Richtmann.	do.	57.41
18	E. Brown.	do.	20.90
	Delano & Moore.	Photo. supplies.	52.25
	Pennsylvania R. R. Co.	Passenger transportation.	21.00
21	Ballantyne & Sons.	Fountain pen.	3.50
	Church & Stephenson.	Lumber.	119.70
	do.	do.	3.52
	Thos. Somerville & Sons.	Nipples, etc.	13.68
	do.	Valves, etc.	4.01
	Library Bureau.	Cards.	2.25
	C. D. Brereton.	Making prints.	15.00
22	R. H. True.	Traveling expenses.	89.86
24	Z. D. Gilman.	Rubber gloves, etc.	4.45
	Eimer & Amend.	Chemicals.	3.52
30	F. V. Coville et al.	Salaries.	2,968.23
	Total first quarter.		10,995.42
Oct. 2	S. C. Scofield.	Salary.	146.80
3	Delano & Moore.	Photo. supplies.	10.99
6	H. T. Marshall.	Salary.	125.00
10	Potomac Electric Power Co.	Electric current.	17.32
	Washington Gaslight Co.	Gas.	2.80
	do.	do.	4.30
	Potomac Electrical Power Co.	Electric current.	16.99
	Z. D. Gilman.	Tubing.	1.92
	Woodruff Manufacturing Co.	Cards and folders.	10.25
	Ernest Betz.	Repairing case.	.50
12	Barber & Ross.	Scale.	9.62
	Chas. R. Edmonston.	Spittoons.	2.50
	do.	Jars.	6.60
	E. Morrison Paper Co.	Memorandum books.	2.00
	Yawman & Erbe Manufacturing Co.	Cards.	1.75
	F. W. Bolgiano & Co.	Peas.	.35



*Expenditures of the Department of Agriculture for fiscal year ending June 30, 1904—Cont'd.*

BOTANICAL INVESTIGATIONS AND EXPERIMENTS—Continued.

Date.	Name.	Nature of payment.	Total.
1903.			
Oct. 12	Brentanos	Ink	\$1.50
	Johnson Bros	Wood	2.74
	The Mathy Co. (Incorporated)	Tin boxes	12.00
14	Henry J. Green	Thermometer	3.50
	Thos. Somerville & Sons	Sinks, etc	22.70
	Fred. A. Schmidt	Drawing paper	6.90
	do	do	3.50
	Fred. Carl	Making motor gear	6.00
	The Chesapeake and Potomac Telephone Co.	Telephone service	2.50
	Delano & Moore	Photo. supplies	62.63
21	Mallinckrodt Chemical Works	Sodium	2.00
	Bausch & Lomb Optical Co.	Triplet	5.36
22	C. E. Brereton	Bromide prints	25.00
	do	do	7.00
	Williams, Brown & Earle	Meter	.45
23	Vermont Farm Machine Co.	Fruit drier	86.25
	Edgar Brown	Traveling expenses	10.60
31	Oregon Short Line R. R. Co.	Passenger transportation	7.60
	The Chesapeake and Ohio Rwy. Co.	do	136.85
	Baltimore and Ohio R. R. Co.	do	25.00
	International Merchant Marine Co	do	100.00
	Thos. Cook & Son	do	129.20
	Chicago, Milwaukee and St. Paul Rwy. Co	do	7.50
	Southern Rwy. Co.	do	18.80
	F. V. Coville et al	Salaries	3,032.22
Nov 3	H. T. Marshall	Salary	125.00
	C. S. Scofield	do	151.60
4	E. Brown	Expenses	52.16
13	District of Columbia Manufacturing Co.	Blotting paper	9.00
14	W. O. Richtmann	Traveling expenses	75.91
18	R. H. True	Expenses	4.18
	do	Traveling expenses	3.15
	do	do	10.80
20	Robert Smith Printing Co.	Scrap books	8.00
21	Mackall Bros	Chemicals	3.86
	do	do	11.19
23	Carrie Stake	Sacks	9.25
	Bausch & Lomb Optical Co.	Laboratory supplies	235.98
27	C. S. Scofield	Traveling expenses	5.90
30	Harry T. Marshall	do	117.89
	F. V. Coville et al	Salaries	2,888.53
Dec. 1	D. of C. Paper Manufacturing Co.	Blotting paper	9.00
	F. W. Bolgiano & Co	Boxes, etc	26.00
	M. Du Perow	Plugs	1.20
	Remington Typewriter Co.	Card attachment	2.45
	Z. D. Gilman	Apparatus	5.70
	Potomac Electric Power Co.	Electric current	17.35
	The Chesapeake and Potomac Telephone Co.	Telephone service	65
	Clarke & Davenport	Linoleum	23.75
	Wm. Ballantyne & Son	Pen, etc	2.95
	Densmore Typewriter Co.	Repairs	5.31
	James B. Lambie Co. (Incorporated)	Hardware	2.12
	Washington Gaslight Co.	Gas	6.80
	E. Morrison Paper Co.	Paper	3.20
	Thos. Somerville & Sons	Brackets	.80
	do	Camera	28.00
	E. G. Schafer & Co	Photo. supplies	64.04
	do	Plumbers' supplies	1.71
2	H. H. Ballard	Keys	.40
	Queen & Co. (Incorporated)	Tubes, etc.	.40
	Library Bureau	Pamphlet cases	7.80
	Whitall, Tatum Co.	Jars, etc.	13.75
	Hubbard Heating Co.	Diaphragm	1.00
	Joseph Di Giorgio & Co.	Bananas	1.25
	L. Johnson	Caning chairs	1.70
	Fred. A. Schmidt	Pencils	1.90
	John B. Espey	Cans	2.35
	The Mathy Co. (Incorporated)	Tin boxes	34.00
	C. E. Brereton	Prints	5.28
	Philip G. Affleck	Lime	1.50
	Theodor Holm	Drawings	15.00
	Bausch & Lomb Optical Co.	Forceps	4.80
	do	Grinding razor	.50
	Randolph Paper Box Co.	Cases	9.75
5	Harry T. Marshall	Traveling expenses	107.43
7	Edgar Brown	do	26.00
8	C. S. Scofield	Salary	146.80
	Union Pacific R. R. Co.	Passenger transportation	32.30
	Atlantic Coast Line R. R. Co.	do	6.35
	Boston and Maine R. R.	do	6.50

Expenditures of the Department of Agriculture for fiscal year ending June 30, 1904—Cont'd.

## BOTANICAL INVESTIGATIONS AND EXPERIMENTS—Continued.

Date.	Name.	Nature of payment.	Total.
1903.			
Dec. 8	Southern Rwy. Co.....	Passenger transportation.....	\$20.25
	Pennsylvania R. R. Co.....	do.....	28.20
	Champlain Transportation Co.....	do.....	13.50
	Northern Pacific Rwy. Co.....	do.....	58.00
10	R. P. Andrews & Co. (Incorporated).....	Envelopes.....	4.37
	Ivar Tidestrom.....	Traveling expenses.....	7.25
11	Z. D. Gilman.....	Slides.....	.83
	Rudolph, West & Co.....	Hardware.....	9.07
	The Geo. W. Knox Express Co.....	Transportation.....	.75
	E. Morrison Paper Co.....	Paper.....	4.48
14	Woodward & Lothrop.....	Wringer.....	2.50
	do.....	Jars.....	13.50
15	J. W. T. Duvel.....	Traveling expenses.....	173.29
16	The Chas. Wilms Surgical Institute Co.....	Sharpening tools.....	3.90
17	Eimer & Amend.....	Sieve.....	1.00
	Henry Heil Chemical Co.....	Sodium.....	.95
18	Denver and Rio Grande R. R. Co.....	Transportation.....	42.40
	do.....	Passenger transportation.....	10.00
	Great Northern Rwy. Co.....	do.....	35.25
	Michigan Central R. R. Co.....	do.....	7.56
	Chicago, St. Paul, Minneapolis and Omaha Rwy. Co.....	do.....	12.00
	Chicago and Northwestern Rwy. Co.....	do.....	4.00
	do.....	do.....	8.00
	Chicago and Alton Rwy. Co.....	do.....	3.75
	Oregon Short Line R. R. Co.....	do.....	33.10
	do.....	do.....	26.55
	do.....	do.....	59.80
	Norfolk and Washington, D. C., Steamboat Co.....	do.....	8.00
	Rutland R. R. Co.....	do.....	14.13
19	Church & Stephenson.....	Lumber.....	12.55
21	Delano & Moore.....	Photo. supplies.....	20.87
	Bausch & Lomb Optical Co.....	Triplet.....	5.25
28	L. H. Dewey.....	Traveling expenses.....	17.70
29	Cambridge Botanical Supply Co.....	Label holders.....	1.61
	Mallinckrodt Chemical Works.....	Chemicals.....	2.00
	Mackall Bros.....	do.....	10.10
	F. V. Coville et al.....	Salaries.....	2,956.13
	Total second quarter.....		12,060.27
1904.			
Jan. 2	C. S. Scofield.....	Salary.....	151.60
5	C. J. Brand.....	do.....	13.04
6	Harry A. Marshall.....	Traveling expenses.....	1.50
	Edgar Brown.....	do.....	14.86
7	Washington Gaslight Co.....	Gas.....	13.40
	Potomac Electric Power Co.....	Current.....	28.20
	Jno. C. Parker.....	Clips, etc.....	8.50
	Guy N. Collins.....	Traveling expenses.....	10.70
16	Herman Kohlbusch.....	Aluminum.....	2.44
	Henry Heil Chemical Co.....	Pipettes, etc.....	.83
	Edgar Brown.....	Expenses.....	101.52
	do.....	do.....	23.64
	V. K. Chesnut.....	Traveling expenses.....	2.70
	F. J. Tyler.....	do.....	30.85
18	Barber & Ross.....	Pitcher and basin.....	1.04
	Delano & Moore.....	Supplies.....	36.76
	Z. D. Gilman.....	Lactic acid.....	1.00
	W. B. Moses & Sons.....	Chairs.....	16.35
	Lansburgh Bros.....	Cloth.....	3.75
19	Rochester Optical Co.....	Repairs to camera.....	.75
	Arthur H. Thomas Co.....	Circles.....	.60
	Queen & Co. (Incorporated).....	Chemicals, etc.....	9.58
21	W. W. Stockberger.....	Traveling expenses.....	8.49
25	Northern Pacific Rwy. Co.....	Passenger transportation.....	4.30
	New York, New Haven and Hartford R. R. Co.....	do.....	16.30
	Burlington and Missouri River R. R.....	do.....	11.90
	Pennsylvania Co.....	do.....	8.50
	Washington Southern Rwy. Co.....	do.....	47.50
	Norfolk and Southern Rwy. Co.....	do.....	2.50
	Chicago, St. Paul, Minneapolis and Omaha Rwy. Co.....	do.....	8.00
	Pennsylvania R. R. Co.....	do.....	24.98
	do.....	do.....	17.00
	do.....	do.....	6.50
	American Electric Co.....	Heater.....	6.75
	Folmer & Schwing Manufacturing Co.....	Lenses, etc.....	69.00
26	Jas. S. Topham.....	Repairing case.....	1.00

*Expenditures of the Department of Agriculture for fiscal year ending June 30, 1904—Cont'd.*

BOTANICAL INVESTIGATIONS AND EXPERIMENTS—Continued.

Date.	Name.	Nature of payment.	Total.
1904.			
Jan. 26	F. P. May & Co.....	Coffee mill.....	\$3.50
	W. H. Lowdermilk & Co.....	Books.....	15.25
	Woodward & Lothrop.....	Chairs.....	5.70
	Parke, Davis & Co.....	Chemicals.....	2.55
	R. F. Metzell.....	Repairing tubes.....	6.50
	Merck & Co.....	Chemicals.....	9.39
	United States Bottlers Supply Co.....	Cases.....	4.75
	Adams Express Co.....	Transportation.....	68.68
27	W. F. Wight.....	Traveling expenses.....	333.70
	W. B. Moses & Sons.....	Table, etc.....	7.40
	E. Morrison Paper Co.....	Paper.....	2.24
	Remington Typewriter Co.....	Erasing shields.....	.45
	The G. W. Knox Express Co.....	Transportation.....	3.37
	Potomac Electric Power Co.....	Current.....	38.33
29	Bausch & Lomb Optical Co.....	Jars, etc.....	24.18
	E. G. Schafer & Co.....	Radiators.....	10.50
	Mackall Bros.....	Jars, etc.....	13.12
31	F. V. Coville et al.....	Salaries.....	3,300.17
Feb. 1	C. S. Scofield.....	Salary.....	153.30
2	V. K. Chesnut.....	Expenses.....	11.52
3	Washington Gaslight Co.....	Gas.....	10.00
	The Mathy Co. (Incorporated).....	Tin boxes.....	34.00
	The G. W. Knox Express Co.....	Transportation.....	2.00
	Harris & Shafer Co.....	Repairs to clock.....	1.60
	The Chesapeake and Potomac Telephone Co.....	Telephone service.....	12.50
9	J. Baumgarten & Sons.....	Dater.....	1.80
	Wm. Ballantyne & Son.....	Pen.....	2.50
	Garges Pharmacies.....	Roach food.....	.75
	Fred A. Schmidt.....	Rulers.....	1.05
	Geo. F. Muth & Co.....	Ink.....	2.00
12	Seabury & Johnson.....	Isinglass.....	7.50
	Whitall, Tatum & Co.....	Bottles.....	17.16
17	Baltimore and Ohio R. R. Co.....	Passenger transportation.....	46.40
18	Illinois Central R. R. Co.....	do.....	2.83
	Pennsylvania R. R. Co.....	do.....	25.65
23	Yawman & Erbe Manufacturing Co.....	Cupboard.....	7.00
	Whitall, Tatum & Co.....	Bottles.....	9.66
	Sharp & Dohme.....	Apparatus.....	30.00
	Merck & Co.....	Chemicals.....	5.87
	Kellogg Switchboard and Supply Co.....	Desk set.....	11.25
	Eastman Kodak Co.....	Apron for machine.....	1.65
24	Rudolph, West & Co.....	Shovel.....	.88
	Woodward & Lothrop.....	Jars.....	7.75
	Jas. B. Lambie Co.....	Cotton waste.....	7.00
	Potomac Electric Power Co.....	Current.....	39.08
	Lamb & Tilden.....	Dater and racks.....	3.75
	Washington Gaslight Co.....	Gas.....	13.10
27	W. O. Richtman.....	Traveling expenses.....	4.20
	Western Union Telegraph Co.....	Service.....	4.08
29	F. V. Coville et al.....	Salaries.....	2,908.20
Mar. 1	C. S. Scofield.....	Salary.....	143.40
2	E. W. Clagett.....	do.....	3.87
3	Thos. Somerville & Sons.....	Radiator, etc.....	19.17
	J. S. Topham.....	Trunk.....	14.00
	C. E. Bereton.....	Prints.....	4.50
	Clark & Davenport.....	Screen.....	2.25
	Delano & Moore.....	Photo supplies.....	47.32
	The Geo. W. Knox Express Co.....	Transportation.....	.50
	S. Kahn's Sons & Co.....	Canton flannel.....	5.45
4	American Writing Machine Co.....	Paper.....	47.50
	B. F. Bush.....	Seeds.....	10.80
	Eimer & Amend.....	Battery jars.....	8.65
	H. Lindemeyer & Sons.....	Paper.....	7.15
	Henry Heil Chemical Co.....	Beakers, etc.....	5.75
	Emil Greiner.....	Dishes, etc.....	7.30
5	W. A. Cannon.....	Seeds.....	6.00
	P. H. Hertzog.....	do.....	60.00
	Library Bureau.....	Cards, etc.....	26.50
	The Okonite Co. (Limited).....	Wire.....	3.15
	Queen & Co. (Incorporated).....	Alcohol.....	6.25
	F. J. Sloane & Co.....	Repairing microscope.....	15.00
	The Smith Premier Typewriter Co.....	Repairing typewriter.....	7.40
	W. L. Steele & Co.....	Hemp seed.....	35.75
	J. M. Thorburn & Co.....	Seeds.....	.20
	Union Envelope Co.....	Envelopes.....	.58
11	J. S. Topham.....	Cases.....	16.50
	Woodruff Manufacturing Co.....	Cases, etc.....	19.75
	Yawman & Erbe Manufacturing Co.....	Sections, etc.....	46.85
	Washington Gaslight Co.....	Gas.....	15.70
	Potomac Electric Power Co.....	Current.....	26.88



Expenditures of the Department of Agriculture for fiscal year ending June 30, 1904—Cont'd.

## BOTANICAL INVESTIGATIONS AND EXPERIMENTS—Continued.

Date.	Name.	Nature of payment.	Total.
1904.			
Mar. 11	Church & Stephenson.....	Lumber.....	\$24.10
	Capital Traction Co.....	Tickets.....	2.50
	W. H. Hoeke.....	Sections.....	25.45
	Postal Telegraph Cable Co.....	Service.....	.30
	McCauley & McGill.....	Gas, etc.....	3.00
	The Mathy Co. (Incorporated).....	Copper bath.....	22.00
	E. Morrison Paper Co.....	Memorandum books.....	2.25
	Mackall Bros.....	Jars.....	3.14
	Lenz & Lasson.....	Forceps.....	2.28
	Keuffel & Esser Co.....	Slides rule.....	3.60
	Emil Greiner.....	Balance.....	97.00
	Eimer & Amend.....	Dialysers.....	3.00
	Arthur H. Thomas Co.....	Incubators.....	112.50
	United States Express Co.....	Transportation.....	33.43
17	Chesapeake and Ohio Rwy. Co.....	Passenger transportation.....	19.50
	Chicago and Northwestern Rwy. Co.....	.....do.....	4.00
	.....do.....	.....do.....	13.05
	R. H. True.....	Traveling expenses.....	33.92
	Chicago, Milwaukee and St. Paul Rwy. Co.....	Passenger transportation.....	38.60
18	Pennsylvania R. R. Co.....	.....do.....	11.00
	.....do.....	.....do.....	14.25
19	C. J. Brand.....	Traveling expenses.....	315.92
22	L. H. Dewey.....	.....do.....	28.01
	W. R. Beattie.....	.....do.....	88.05
	Delano & Moore.....	Photo supplies.....	129.50
24	C. E. Brereton.....	Prints.....	3.00
	Blue Line Transfer Co.....	Transportation.....	.97
	Fred Carl.....	Photo printing frame.....	10.00
	Church & Stephenson.....	Lumber.....	50.00
	Chas. R. Edmonston.....	Bougies for filter.....	2.00
	The Geo. W. Knox Express Co.....	Transportation.....	6.76
	Lehn & Fink.....	Senna pods, etc.....	1.54
	Library Bureau.....	Office furniture.....	41.95
	United States Envelope Co.....	Envelopes.....	5.00
28	Wallace Bros. Co.....	Mistletoe.....	4.00
	W. W. Tracy, jr.....	Expenses.....	21.03
31	C. S. Scofield.....	Salary.....	153.30
	F. A. Walpole.....	.....do.....	127.70
	F. V. Coville et al.....	Salaries.....	2,995.09
	Total third quarter.....		13,097.97
Apr. 6	E. Brown.....	Expenses.....	24.90
	R. H. True.....	.....do.....	4.97
7	A. C. Crawford.....	Traveling expenses.....	25.11
9	Standard Oil Co.....	Gasoline.....	8.66
	Ernest Betz.....	Tinning.....	19.00
	Underwood Typewriter Co.....	Typewriter.....	87.50
11	Edgar Brown.....	Expenses.....	14.42
	Bausch & Lomb Optical Co.....	Triplet.....	5.35
	Havelock Cordage Co.....	Breaking hemp.....	10.35
12	Folmer & Schwing Manufacturing Co.....	Repairs.....	3.75
	Whitall, Tatum & Co.....	Tubes.....	2.00
	C. H. Stoelting & Co.....	Burette stand.....	1.55
	Thos. Meehan & Sons.....	Seeds.....	15.01
	Chas. Newhaus & Co.....	Tube.....	1.13
	New York Botanical Gardens.....	Book.....	2.00
	The Peerless Electric Co.....	Motor.....	11.50
	Parke, Davis & Co.....	Semen Psyllii.....	1.20
13	W. O. Richtmann.....	Traveling expenses.....	6.35
14	Berry Hill Mineral Water Co.....	Carboys.....	10.00
	Philip G. Affleck.....	Chloride lime.....	1.50
	Conrad Becker.....	Straps.....	15.60
	Barber & Ross.....	Shovel, etc.....	1.75
	A. H. Baldwin.....	Drawings.....	6.00
	M. G. Copeland Co.....	Flag.....	3.41
	Fred Carl.....	Cogwheel.....	2.50
	M. Du Perow.....	Tape.....	1.00
	The Mathy Co. (Incorporated).....	Tubing.....	.83
	The M. Lindsay Rubber Co.....	Boots.....	10.50
	The G. W. Knox Express Co.....	Transportation.....	6.59
	Z. D. Gilman.....	Tubing, etc.....	14.61
	L. S. Depue.....	Hay and salt.....	20.50
	W. H. Dyer.....	Stakes.....	10.00
	E. S. Schmid.....	Rabbits, etc.....	2.00
	Potomac Electric Power Co.....	Current.....	16.91
	Underwood Typewriter Co.....	Repairs.....	7.50
	Woodward & Lothrop.....	Soap.....	3.98
	Washington Gaslight Co.....	Gas.....	14.70

Expenditures of the Department of Agriculture for fiscal year ending June 30, 1904—Cont'd.

## BOTANICAL INVESTIGATIONS AND EXPERIMENTS—Continued.

Date.	Name.	Nature of payment.	Total.
1904.			
Apr. 14	Mackall Bros	Corks	\$0.16
	do	Beakers, etc.	3.70
	W. B. Moses & Sons	Chairs	8.74
16	T. B. Young	Traveling expenses	15.75
18	Postal Telegraph Cable Co	Service	.20
	Thos. W. Smith	Pressing frames	8.50
	Delano & Moore	Photo supplies	169.67
19	Torsion Balance Co	Repairs	2.10
	Mallinckrodt Chemical Works	Sodium	2.00
	Queen & Co. (Incorporated)	Alcohol	5.00
	W. A. Cannon	Seed	4.85
	H. H. Fisher	do	5.00
	Lemcke & Buechner	Book	4.80
	United States Envelope Co	Envelopes	4.61
	H. T. Marshall	Salary	125.00
	Eimer & Amend	Chemicals	12.99
20	Southern California Rwy. Co	Passenger transportation	3.85
	The Chicago, Burlington and Quincy Rwy. Co.	do	16.00
	Chicago, Milwaukee and St. Paul Co	do	27.50
	do	do	33.50
	The Wabash R. R. Co	do	13.84
	Southern Rwy. Co.	do	21.10
	Washington-Southern Rwy. Co	do	40.00
	Michigan Central R. R. Co	do	3.40
	do	do	3.40
	Pennsylvania R. R. Co	do	6.00
	The Lake Shore and Michigan Southern Rwy. Co.	do	7.22
	do	do	4.50
21	F. A. Walpole	Traveling expenses	129.83
	Clark & Davenport	Linoleum	87.12
22	Chicago, Rock Island and Pacific Rwy. Co.	Passenger transportation	67.60
25	C. J. Brand	Traveling expenses	87.73
29	L. H. Dewey	do	85.56
	G. N. Collins	do	16.85
	Henry Heil Chemical Co	Cylinders	5.25
30	Somerville Bean	Salary	39.00
	F. V. Coville et al	Salaries	2,872.85
May 2	C. S. Scofield	Salary	148.30
	F. A. Walpole	do	123.60
	Edward Palmer	Negatives	20.00
	V. K. Chestnut	Salary	24.70
4	Henry J. Green	Thermometers	7.50
	Folmer & Schwing Manufacturing Co	Repairs to camera	6.75
	Emil Greiner	Graduate	2.85
	J. H. Bunnell & Co	Electric supplies	3.24
	Bausch & Lomb Optical Co.	Hydrometer	4.48
	Alice Eastwood	Mistletoe	1.00
	Challenge Windmill and Feed Mill Co.	Mill, etc.	43.05
	H. C. Davison Co.	Paper	10.80
6	Whitall Tatum Co.	Flasks, etc.	9.69
	J. M. Thorburn Co.	Seeds	26.15
	Jno. M. Snyder	Apparatus	9.35
	A. C. Rowe	Fire extinguishers	24.00
	Francis Miller	Glass	.72
	Mallinckrodt Chemical Works	Chemicals	7.57
	Remington Typewriter Co	Typewriter, etc.	91.20
	Queen & Co. (Incorporated)	Dishes	3.71
	do	Spirits	6.00
	The Peerless Electric Co.	Motor	9.00
	Mallinckrodt Chemical Works	Chemicals	2.00
9	Delano & Moore	Photo supplies	80.08
	O. F. Cook	Salary	206.00
12	Brentanos (Incorporated)	Pen	3.00
	W. H. Dyer	Doors	13.00
13	E. G. Schafer & Co	Valves	50.36
	W. S. Sheets	Tripod	4.00
	Western Union Telegraph Co.	Service	3.24
	Thos. Somerville & Sons	Pipe	12.98
	Conrad Becker	Crupper	2.25
	The Chesapeake and Potomac Telephone Co.	Service	12.50
	The Geo. W. Knox Express Co	Transportation	3.84
	Blue Line Transfer Co.	do	.72
18	Illinois Central R. R. Co	Passenger transportation	7.66
	Cleveland, Cincinnati, Chicago and St. Louis Rwy. Co.	do	8.00
	Washington Southern Rwy. Co.	do	12.15
	Chicago and Northwestern Rwy. Co.	do	4.10
	Chicago, St. Paul, Minneapolis and Omaha Rwy. Co.	do	8.10

Expenditures of the Department of Agriculture for fiscal year ending June 30, 1904—Cont'd.

## BOTANICAL INVESTIGATIONS AND EXPERIMENTS—Continued.

Date.	Name.	Nature of payment.	Total.
1904.			
May 18	Chicago, St. Paul, Minneapolis and Omaha Rwy. Co.	Passenger transportation.....	\$50.82
	do	do	20.00
	Chicago and Alton Rwy. Co.	do	5.75
	Seaboard Air Line Rwy. Co.	do	7.05
	The Wabash Rwy. Co.	do	10.42
24	Edgar Brown	Traveling expenses	13.15
	do	do	12.50
25	Delano & Moore	Photo. supplies	31.14
26	Brentanos	do	1.50
	Ernest Betz	Calendar	2.00
	J. Bishop & Co.	Tin boxes	7.73
	Barber & Ross	Platinum spatula	1.10
31	F. V. Coville et al.	Salaries	3,177.93
June 2	Harry Marshall	Salary	125.00
	O. F. Cook	do	213.00
	V. K. Chesnut	do	25.60
	S. C. Seofield	do	153.40
3	R. F. Metzler	Repairs	3.00
	E. Morrison Paper Co.	Paper	2.80
	do	Covers	4.90
	do	Paper	2.25
	do	Shades	2.16
	W. B. Moses & Sons	Etchings	.75
	The Maurice Joyce Engraving Co.	Camera, etc.	91.40
	Folmer & Schwing Manufacturing Co.	Camonilla, etc.	28.90
	R. & J. Farquhar & Co.	Books	2.85
	Encina Publishing Co.	Charts	1.50
	Draper Manufacturing Co.	Plant dryer	14.40
	D. C. Paper Manufacturing Co.	Stakes	5.00
	W. H. Dyer	Muslin, etc.	9.30
	R. P. Clarke & Co.	do	1.44
	do	Catalogue	3.00
	California Academy of Sciences	Care of horse	3.90
	Nixon Brewer	Sage plants, etc.	11.03
	W. At Lee Burpee & Co.	Harness (wagon)	28.50
	F. W. Balgiano & Co.	Lens paper	.44
	Bausch & Lomb Optical Co.	Cases	6.75
	Randolph Paper Box Co.	Stocks, etc.	56.85
	Rudolph, West & Co.	Hinges	2.62
	do	Condenser, etc.	9.73
	Queen & Co. (Incorporated)	Alcohol	2.00
	do	Current	20.49
	Potomac Electric Power Co.	Copyholder, etc.	2.63
	Jno. C. Parker	Cement	10.40
	Nathaniel Mortar Co.	Liquid gas	2.50
	McCauley & McGill	Tin boxes	8.16
	The Mathey Co. (Incorporated)	Strap	4.50
	K. Kneesis Sons	Sections	53.15
	Yawman & Erbe Manufacturing Co.	Cards	5.75
	do	Tray, etc.	2.25
	do	Cards	1.75
	do	Desk	51.25
	Woodward & Lothrop	Felt	1.25
	S. Strock & Co.	Cylinder, etc.	19.73
	Thos. Somerville & Sons	do	.70
	Whitall Tatum Co.	Tubes	5.00
	do	Steel tape	10.75
	Fred. A. Schmidt	Gas	12.50
	Washington Gaslight Co.	Units for cases	247.50
	Martin Wiegand	Kymograph	135.00
	Emil Wellaner	Tubes, etc.	5.60
	The Chas. Willnas Surgical Institute	Cases	11.50
6	do	Gennus covers	12.90
	Carter Rice & Co.	Books	12.50
	Paul Klincksieck	Sections	39.00
	Woodruff Manufacturing Co.	Sections, etc.	47.25
	do	Photo. cases	40.00
	Lutz & Co.	Tanks	14.25
	The Mathey Co. (Incorporated)	Trays	56.00
	do	Apparatus	17.28
	Eimer & Amend	Chemicals	3.90
	do	Stakes	3.75
	W. H. Dyer	Jars, etc.	28.80
	Henry Allen	Jars	5.50
	do	Flasks	1.00
	Queen & Co. (Incorporated)	Fans, etc.	32.45
	National Electrical Supply Co.	do	21.00
	do	Shades	3.00
	J. N. Rose	Books	5.65
	W. Silas Sheetz	Tripods	4.50
	E. S. Schmid	Stakes	1.25



234 EXPENDITURES IN DEPARTMENT OF AGRICULTURE.

Expenditures of the Department of Agriculture for fiscal year ending June 30, 1904—Cont'd.

BOTANICAL INVESTIGATIONS AND EXPERIMENTS—Continued.

Date.	Name.	Nature of payment.	Total.
1904.			
June 6	Max Weg.....	Books.....	\$27.77
8	L. H. Dewey.....	Traveling expenses.....	5.70
	V. K. Chesnut.....	Expenses.....	2.75
	.....do.....	Traveling expenses.....	31.25
11	J. L. Hills.....	Expenses.....	122.54
15	David Cleland.....	Services.....	33.00
	Chas. Freedman.....	.....do.....	21.00
17	F. L. Lawton.....	Traveling expenses.....	21.40
	A. C. Crawford.....	.....do.....	20.80
20	Amzi Godden Co.....	Grass seed.....	16.00
	Z. D. Gilman.....	Tubing, etc.....	5.58
	J. H. Bunnell & Co.....	Lamps.....	.81
	Mackall Bros.....	Chemicals.....	9.21
	National Electric Supply Co.....	Desk fans.....	44.50
	Rudolph, West & Co.....	Hardware.....	20.56
	W. B. Moses & Sons.....	Chairs.....	18.35
	D. C. Paper Manufacturing Co.....	Blotting paper.....	45.00
	Farrand, Williams & Clark.....	Brushes.....	.51
	Ernest Betz.....	Iron pan.....	9.50
	W. Ballantyne & Sons.....	Pen.....	2.50
	Bausch & Lomb Optical Co.....	Readers, etc.....	5.55
	Lempke & Brechner.....	Book.....	.96
	S. Kann, Sons & Co.....	Canton flannel.....	6.10
	Henry Heil Chemical Co.....	Formalin.....	.60
	H. B. Homer.....	Prints.....	6.75
	Yawman & Erbe Manufacturing Co.....	Sections.....	16.00
	Washington Gaslight Co.....	Gas.....	8.00
	Woodward & Lothrop.....	Chairs.....	22.60
	Ward Leonard Electric Co.....	Rheostat.....	2.86
	Whitall Tatum Co.....	Reagents.....	3.00
	Emil Wellaner.....	Electric appliances.....	7.00
	P. J. McMahon.....	Sansevieria leaves.....	3.00
	Mallinckrodt Chemical Works.....	Chemicals.....	3.00
	Queen & Co. (Incorporated).....	Dish.....	2.23
	Fred. A. Schmidt.....	Mounting maps, etc.....	4.50
	Sharp & Dohme.....	Oven.....	22.00
	Seabury & Johnson.....	Isinglass.....	22.50
21	L. H. Dewey.....	Expenses.....	4.00
25	F. A. Walpole (estate of).....	Traveling expenses.....	36.45
27	W. W. Tracy, jr.....	Expenses.....	23.44
29	Z. D. Gilman.....	Bottles, etc.....	13.54
	.....do.....	.....do.....	28.05
	Chas. Edmonston.....	Filter.....	16.75
	Dulin & Martin Co.....	Pans, etc.....	1.90
	L. S. Depue.....	Oats.....	45.00
	Church & Stephenson.....	Lumber.....	4.04
	.....do.....	.....do.....	16.74
	Fred Carl.....	Worm, etc.....	7.00
	J. Bishop & Co.....	Crucible.....	30.29
	Adams Express Co.....	Transportation.....	43.52
	.....do.....	.....do.....	40.22
	.....do.....	.....do.....	14.30
	.....do.....	.....do.....	4.25
	.....do.....	.....do.....	8.50
	.....do.....	.....do.....	3.75
	.....do.....	.....do.....	1.60
	Delano & Moore.....	Photo. supplies.....	64.22
	Geo. F. Muth & Co.....	Liquid granite.....	11.70
	McCauley & McGill.....	Gas.....	2.50
	Jas. B. Lambie Co. (Incorporated).....	Can, etc.....	2.90
	Lamb & Tilden.....	Type.....	5.20
	The Geo. W. Knox Express Co.....	Transportation.....	1.25
	The Fairbanks Co.....	Scale.....	14.40
	Eimer & Amend.....	Apparatus.....	14.14
	B. L. Cunningham.....	Negative.....	5.00
	B. F. McCurdy.....	Frogs.....	2.50
	The Kny-Scheerer Co.....	Finger protector.....	1.20
	Paul Klincksieck.....	Publications.....	35.45
	The Harvard Apparatus Co.....	Inductorium.....	6.00
	Emil Greiner.....	Rubber stoppers.....	2.50
	Fritzsche Bros.....	Oil.....	1.58
30	David Cleland.....	Salary.....	39.00
	Chas. Freedman.....	.....do.....	39.00
	Jas. T. Smith.....	.....do.....	27.00
	Esau Reinbert.....	.....do.....	10.50
	F. V. Coville et al.....	Salaries.....	2,843.52
	Total fourth quarter.....		14,506.64

Expenditures of the Department of Agriculture for fiscal year ending June 30, 1904—Cont'd.

## BOTANICAL INVESTIGATIONS AND EXPERIMENTS—Continued.

Date.	Name.	Nature of payment.	Total.
<i>Supplemental.</i>			
1904.			
July 2	C. S. Scofield	Salary	\$148.30
	H. T. Marshall	do	125.00
	V. K. Chesnut	do	24.70
5	A. C. Crawford	Traveling expenses	19.04
	V. K. Chesnut	do	33.70
	do	Expenses	21.90
6	Clarke & Davenport	Linoleum	39.06
	F. L. Lewton	Traveling expenses	17.05
	W. F. Wight	do	34.20
	Ivar Tidestrom	do	3.25
7	Church & Stephenson	Doors	4.00
	do	Lumber	4.22
	do	do	13.21
	do	do	23.03
14	C. S. Scofield	Expenses	6.20
	Edgar Brown	Expenses, January, 1904	2.94
	do	Expenses, February-June	55.50
	do	Expenses	7.15
	do	do	6.20
	R. H. True	do	.50
	do	do	4.08
	do	do	4.19
	do	Traveling expenses	4.95
	L. H. Dewey	do	1.45
	Southern Coffee and Spice Co.	Roaster	25.00
	J. M. Snyder	Dog holder, etc.	34.55
15	L. H. Dewey	Expenses	24.97
18	Edgar Brown	Traveling expenses	25.10
	do	do	52.54
	V. K. Chesnut	do	10.80
	R. H. True	do	4.04
	do	do	177.80
	do	do	8.45
	do	Expenses	9.34
	do	do	1.00
	T. B. Young	Traveling expenses	7.05
	W. B. Moses & Sons	Rug and chair	43.50
	do	Table	4.75
	Potomac Electric Power Co.	Electric current	18.10
	Western Union Telegraph Co.	Service	1.09
19	E. J. Applegate	Chemicals	3.00
	Andrus & Church	Paper	18.63
	Dudley Campbell	Plants	2.00
	J. P. Friez	Hydrograph	50.00
	Emil Greiner	Stoppers	8.19
	J. A. Greathouse	Plants	10.00
	H. J. Green	Soil thermometers	8.10
	Chas. S. Jenkins	Map rack	55.00
	Keuffel & Esser	Hydrograph	54.00
	Krey, Price & Co.	Pigs	6.00
	Queen & Co. (Incorporated)	Chemicals	1.20
	do	Dishes	1.64
	do	Dishes, etc.	1.84
	Randolph Paper Box Co.	Cases	8.64
	J. M. Snyder	Rack, etc.	2.60
	A. H. Thomas & Co.	Filter, etc.	16.48
	do	Flasks, etc.	7.42
	United States Mailing Case Co.	Cases, etc.	3.57
	United States Envelope Co.	Envelopes	5.00
	W. Wesley & Son	Publications	10.50
	do	do	119.00
	do	do	20.00
	Whitall, Tatum Co.	Vials, etc.	8.22
	do	Spatula	1.11
	Woodruff Manufacturing Co.	Cases	308.00
	Yawman & Erbe Manufacturing Co.	do	27.25
	do	do	61.50
20	Baltimore and Ohio R. R. Co.	Passenger transportation	77.00
	District of Columbia Paper Manufacturing Co.	Seed blotting	45.00
	W. H. Dyer	Base	20.00
	Chas. R. Edmonston	Jars, etc.	25.90
	Littlefield, Alvord & Co.	Transportation	.80
	National Electrical Supply Co.	Desk fan	10.50
	Remington Typewriter Co.	Repairing typewriter	11.55
	F. P. May & Co.	Coffee mill	5.00
	F. A. Schmidt	Steel tape, etc.	3.02
	Underwood Typewriter Co.	Typewriter	108.00
	do	do	36.00
	United States Express Co.	Transportation	13.78

Expenditures of the Department of Agriculture for fiscal year ending June 30, 1904—Cont'd.

## BOTANICAL INVESTIGATIONS AND EXPERIMENTS—Continued.

Date.	Name.	Nature of payment.	Total.
<i>Supplemental—Continued.</i>			
1904.			
July 20	Yawman & Erbe Manufacturing Co. ....	Section. ....	\$8.00
	do. ....	Section, etc. ....	22.00
23	Harrison Garman. ....	Services. ....	76.00
	Jos. L. Hills. ....	Expenses. ....	79.14
	H. T. Marshall. ....	Traveling expenses. ....	156.51
	Pennsylvania Co. ....	Passenger transportation. ....	11.75
	Pennsylvania R. R. Co. ....	do. ....	27.02
	do. ....	do. ....	31.00
	Southern Rwy. Co. ....	do. ....	38.10
	Washington Southern Rwy. Co. ....	do. ....	15.50
	do. ....	do. ....	11.30
	do. ....	do. ....	.25
27	F. J. Tyler. ....	Traveling expenses. ....	86.01
30	Michigan Central R. R. Co. ....	Passenger transportation. ....	4.50
	Union Pacific R. R. Co. ....	do. ....	27.65
	Seaboard Air Line Rwy. Co. ....	do. ....	3.60
	The Wabash R. R. Co. ....	do. ....	5.21
	Northern Pacific Rwy. Co. ....	do. ....	6.98
	do. ....	do. ....	6.98
	do. ....	do. ....	8.35
	do. ....	do. ....	40.50
	New York Central and Hudson River R. R. Co. ....	do. ....	5.97
	do. ....	do. ....	3.55
	Pittsburg, Cincinnati, Chicago and St. Louis Rwy. Co. ....	do. ....	9.00
	Southern California Rwy. Co. ....	do. ....	3.85
	Cincinnati, Hamilton and Dayton Rwy. ....	do. ....	12.35
	Atlantic Coast Line R. R. Co. ....	do. ....	14.25
	do. ....	do. ....	29.20
	Chicago and Alton Rwy. Co. ....	do. ....	4.85
	The Chesapeake and Ohio Rwy. Co. ....	do. ....	51.65
	Chicago, Milwaukee and St. Paul Rwy. Co. ....	do. ....	3.51
	do. ....	do. ....	3.92
	do. ....	do. ....	5.05
	Chicago and Northwestern Rwy. Co. ....	do. ....	3.92
	do. ....	do. ....	16.67
Aug. 1	R. Friedlander & Sohn. ....	Books. ....	423.78
	do. ....	do. ....	107.10
	do. ....	do. ....	98.51
	do. ....	do. ....	24.04
	A. Hermann. ....	do. ....	96.36
	Hugo Streisand. ....	do. ....	43.20
2	T. T. Burkhardt. ....	Services. ....	45.33
	T. B. Young. ....	Traveling expenses. ....	5.75
3	S. Kann, Sons & Co. ....	Flannel. ....	6.00
	Z. D. Gilman. ....	Funnels, etc. ....	23.81
	Standard Oil Co. ....	Gasoline. ....	7.00
	Barber & Ross. ....	Razor. ....	1.65
	The Chesapeake and Potomac Telegraph Co. ....	Service. ....	12.50
	Church & Stephenson. ....	Lumber. ....	30.26
	Delano & Moore. ....	Photo supplies. ....	17.19
	P. G. Affleck. ....	Chloride lime. ....	1.50
	Mackall Bros. ....	Flasks. ....	45.34
	National Electric Supply Co. ....	Supplies. ....	1.00
	do. ....	Desk fan. ....	17.00
	Potomac Electric Power Co. ....	Current. ....	23.59
	F. P. May & Co. ....	Root cutter. ....	7.50
	M. Du Perow. ....	Supplies. ....	50.08
	E. G. Schafer & Co. ....	Stopcocks. ....	18.75
	E. J. Pullman. ....	Photo supplies. ....	1.92
	Rudolph, West & Co. ....	Brushes, etc. ....	2.51
	Remington Typewriter Co. ....	Metal cover. ....	2.25
	Underwood Typewriter Co. ....	Typewriter, etc. ....	87.50
	Woodward & Lothrop. ....	Jars. ....	35.66
	do. ....	Desk. ....	20.50
	Washington Gaslight Co. ....	Gas. ....	12.40
	Washington Woodworking Co. ....	Table legs. ....	4.00
8	F. V. Coville. ....	Traveling expenses. ....	193.80
16	Delano & Moore. ....	Photo supplies. ....	19.56
17	American Writing Machine Co. ....	Paper. ....	47.50
	Jas. G. Biddle. ....	Pump. ....	207.75
	The Draper Manufacturing Co. ....	Thermometer. ....	100.00
	J. B. Espey. ....	Locks. ....	1.00
	Z. D. Gilman. ....	Bottles. ....	2.40
	The G. W. Knox Express Co. ....	Drayage. ....	.62
	W. H. Lowdermilk & Co. ....	Florist directory. ....	5.20
	Mackall Bros. ....	Chemicals. ....	32.51
	do. ....	do. ....	88.73
	Geo. F. Muth & Co. ....	Turpentine, etc. ....	4.18



Expenditures of the Department of Agriculture for fiscal year ending June 30, 1904—Cont'd.

## BOTANICAL INVESTIGATIONS AND EXPERIMENTS—Continued.

Date.	Name.	Nature of payment.	Total.
<i>Supplemental—Continued.</i>			
1904.			
Aug. 18	G. B. Jones.....	Fiber-cleaning machine.....	\$56.88
	Eimer & Amend.....	Supplies.....	26.75
	.....do.....	Chemicals.....	9.10
	Library Bureau.....	Cards.....	11.70
	.....do.....	Cases, etc.....	145.80
	Spencer Lens Co.....	Objective.....	40.50
	.....do.....	Hone, etc.....	6.94
	The Okenite Co. (Limited).....	Wire.....	4.20
	Arthur H. Thomas & Co.....	Clamps.....	1.00
	.....do.....	Chemicals.....	30.55
	Yawman & Erbe Manufacturing Co.....	Cabinet.....	5.50
	.....do.....	Cabinet, etc.....	15.75
	.....do.....	Guides.....	1.50
	.....do.....	Sections.....	47.75
	Whitall, Tatum Co.....	Glass rods.....	1.00
	.....do.....	Beakers, etc.....	10.29
	.....do.....	Tubes.....	2.00
	United States Bottlers' Supply Co.....	Mailing cases.....	9.50
	United Fruit Co.....	Transportation.....	1.23
	Ed. Meister.....	Myocardograph.....	20.00
	The Fred Macey Co. (Limited).....	File cases.....	14.00
	Emil Greiner.....	Graduates.....	1.60
	Henry Heil Chemical Co.....	Beakers.....	1.82
	Bausch & Lomb Optical Co.....	Triplets.....	3.00
	Kellogg Switchboard and Supply Co.....	Stand.....	12.50
	Multum in Parvo Binder Co.....	Binders.....	2.00
	Schneider Bros.....	Thermometers.....	12.00
	Queen & Co. (Incorporated).....	Alcohol.....	.50
	Union Envelope Co.....	Envelopes.....	20.85
	Guy N. Collins.....	Traveling expenses.....	533.31
22	J. J. Thompson.....	Cultivating clover.....	17.48
26	H. T. Lee.....	Services, March.....	25.00
	A. T. Armstrong.....	.....do.....	29.25
	J. P. Young.....	.....do.....	14.00
	J. A. Ritchie.....	.....do.....	8.80
	W. M. Hays.....	.....do.....	33.36
	E. D. Funk.....	.....do.....	25.00
	J. H. McNown.....	.....do.....	20.00
	Western Union Telegraph Co.....	Services.....	3.11
27	Barber & Ross.....	Iron.....	16.47
29	Library Bureau.....	Stand.....	5.00
	Joseph Karels.....	Rent, etc.....	25.00
	Rudolph, West & Co.....	Locks.....	1.35
	J. H. Shepperd.....	Rent.....	33.36
	Hugo Streisand.....	Books.....	46.64
	United States Express Co.....	Transportation.....	16.90
	.....do.....	.....do.....	13.54
Sept. 10	Jas. G. Biddle.....	Pump.....	105.40
13	M. L. Mabry.....	Experiments.....	20.00
15	H. T. Marshall.....	Traveling expenses.....	107.80
	G. N. Collins.....	Expenses.....	7.10
19	Washington Southern Rwy Co.....	Passenger transportation.....	13.05
	Baltimore and Ohio R. R. Co.....	.....do.....	17.50
	The Texas and Pacific Rwy. Co.....	.....do.....	62.90
	Pennsylvania Co.....	.....do.....	17.50
	Chicago and Alton Rwy. Co.....	.....do.....	4.25
	Chicago, Burlington and Quincy Rwy. Co.....	.....do.....	38.10
	Chicago, Rock Island and Pacific Rwy. Co.....	.....do.....	6.15
	Burlington and Missouri River Rwy.....	.....do.....	6.34
	Oregon Short Line R. R. Co.....	.....do.....	42.70
	Pennsylvania R. R. Co.....	.....do.....	52.00
	.....do.....	.....do.....	3.96
	Grand Trunk Rwy.....	.....do.....	5.20
	Southern Pacific Co.....	.....do.....	3.35
	Fort Worth and Denver City Rwy. Co.....	.....do.....	6.60
	Missouri Pacific Rwy. Co.....	.....do.....	11.50
	Southern Pacific Co.....	.....do.....	31.95
	Northern Pacific Rwy. Co.....	.....do.....	2.95
20	Adams Express Co.....	Transportation.....	40.45
	.....do.....	.....do.....	15.25
	.....do.....	.....do.....	29.55
	Underwood Typewriter Co.....	Copyholder.....	6.25
	Western Union Telegraph Co.....	Service.....	.48
	.....do.....	.....do.....	1.57
	E. Morrison Paper Co.....	Paper.....	4.80
24	Chas. R. Edmonston.....	Jars.....	8.60
	Geo. P. Killian.....	Boxes.....	22.50
26	Littlefield, Alvord & Co.....	Transportation.....	.97
	Total.....		7,119.66

Expenditures of the Department of Agriculture for fiscal year ending June 30, 1904—Cont'd.

RECAPITULATION.

First quarter .....	\$10,995.42
Second quarter .....	12,060.27
Third quarter .....	13,097.97
Fourth quarter .....	14,506.69
Supplemental .....	7,119.66
<b>Total</b> .....	<b>57,780.01</b>

ACCOUNTS PAID BY UNITED STATES TREASURY.

Date.	Name.	Nature of payment.	Total.
1904. Jan. 13	Southern Pacific Co.....	Passenger transportation.....	\$55.20
Dec. 7	.....do.....	.....do.....	29.50
	<b>Total</b> .....		<b>84.70</b>

SPECIAL AGENTS.

1903. July 9	C. S. Scofield.....	Voucher, 1904.....	\$1,000.00
20	V. K. Chesnut.....	.....do.....	1,500.00
27	F. V. Coville.....	.....do.....	700.00
	<b>Total</b> .....		<b>3,200.00</b>

BOTANICAL INVESTIGATIONS, ETC.—RENT.

1903. Aug. 12	Deeble & Noland.....	Rent.....	\$250.00
Sept. 11	.....do.....	.....do.....	250.00
	<b>Total</b> .....		<b>500.00</b>
1903. Oct. 8	Deeble & Noland.....	Rent.....	250.00
Nov. 5	.....do.....	.....do.....	250.00
Dec. 5	.....do.....	.....do.....	250.00
	<b>Total</b> .....		<b>750.00</b>
1904. Jan. 8	Deeble & Noland.....	Rent.....	250.00
Feb. 8	.....do.....	.....do.....	250.00
Mar. 3	.....do.....	.....do.....	250.00
	<b>Total</b> .....		<b>750.00</b>
May 3	Deeble & Noland.....	Rent.....	250.00
23	.....do.....	.....do.....	250.00
June 4	.....do.....	.....do.....	250.00
	<b>Total</b> .....		<b>750.00</b>
	<i>Supplemental.</i>		
July 14	Deeble & Noland.....	Rent.....	250.00
	<b>Grand total</b> .....		<b>3,000.00</b>

GRASS AND FORAGE PLANT INVESTIGATIONS.

1903. July 13	Carleton R. Ball.....	Traveling expenses.....	\$12.10
14	W. J. Spillman.....	.....do.....	14.65
21	Delano & Moore.....	Camera, etc.....	31.00
24	F. L. Ricker.....	Traveling expenses.....	16.00
25	C. B. Cromptley.....	Pea harvester.....	37.95
28	M. B. Stevens.....	Traveling expenses.....	26.19
29	T. W. Wood & Sons.....	Peas, etc.....	1.43
31	National Electrical Supply Co.....	Electrical supplies.....	1,283.76
Aug. 1	W. J. Spillman et al.....	Salaries.....	67.40
	P. O. Vanatter.....	Salary.....	50.00
	J. S. Cotton.....	.....do.....	

Expenditures of the Department of Agriculture for fiscal year ending June 30, 1904—Cont'd.

## GRASS AND FORAGE PLANT INVESTIGATIONS—Continued.

Date.	Name.	Nature of payment.	Total.
1903.			
Aug. 1	Merritt Harper	Salary	\$50.50
3	M. A. Crosby	do	60.00
	M. B. Stevens	do	40.40
4	M. Du Perow	Apparatus for fan	25
	J. M. Westgate	Salary	60.60
6	P. L. Ricker	Traveling expenses	66.73
10	E. L. Morris	Salary	40.00
14	M. A. Crosby	Traveling expenses	102.85
	J. M. Westgate	do	129.74
	E. L. Morris	do	58.67
	M. B. Stevens	do	52.70
	L. G. Orndorf	Repairs to drill	1.05
18	Woodward & Lothrop	Canton flannel	25
19	R. H. Forbes	Salary	25.30
	R. A. Oakley	do	20.87
	Russell A. Oakley	Traveling expenses	7.35
	T. W. Wood & Sons	Alfalfa	20.40
20	Thos. W. Riley	Tags	2.13
25	J. B. Gay	Expenses	17.25
26	M. B. Stevens	Traveling expenses	54.58
31	W. J. Spillman et al.	Salaries	1,284.71
Sept. 1	M. A. Crosby	Salary	60.00
	J. S. Cotton	do	50.00
3	E. L. Morris	do	40.00
	Byron Hunter	do	46.20
	R. A. Oakley	do	40.40
4	Merritt Harper	do	50.50
9	Washington, Alexandria and Mount Vernon R. R. Co.	50 trip books	3.60
10	P. O. Vanatter	Salary	67.40
	M. B. Stevens	do	40.40
	Henry Heil Chemical Co.	Soda, etc	5.30
	E. Morrison Paper Co.	Tags	4.40
11	T. W. Wood & Sons	Seeds	109.75
	Al. Stevenson	Use of team for eight days	48.00
	The Anthony & Scoville Co.	Repairs to camera	.90
16	J. M. Westgate	Salary	60.60
	A. S. Hitchcock	Traveling expenses	278.30
17	Byron Hunter	do	8.35
	M. A. Crosby	do	78.45
	R. A. Oakley	do	61.50
	David Griffiths	do	41.30
18	M. B. Stevens	do	65.89
	C. W. Warburton	do	21.50
	Delano & Moore	Photo supplies	26.88
21	Rudolph, West & Co.	Night latch	.80
	Brentanos	Maps	.75
19	Southern Rwy. Co.	Passenger transportation	10.10
	Central Vermont Rwy. Co.	do	4.25
24	Yawman & Erbe Manufacturing Co.	Filing cases	8.00
	Washington, Alexandria and Mount Vernon Rwy. Co.	Trip book	3.60
26	W. J. Spillman	Traveling expenses	111.50
	E. L. Morris	do	63.96
30	W. J. Spillman et al.	Salaries	1,264.56
	Total first quarter		6,363.46
Oct. 2	J. M. Westgate	Salary	58.80
	M. A. Crosby	do	60.00
	J. S. Cotton	do	50.00
	P. O. Vanatter	do	65.20
3	E. L. Morris	Traveling expenses	82.79
6	M. B. Stevens	Salary	39.20
	Merritt Harper	do	49.00
9	C. R. Ball	Traveling expenses	66.20
10	The Geo. W. Knox Express Co.	Transportation	.25
	R. A. Oakley	Services	39.20
	Byron Hunter	do	81.60
	R. H. Forbes	do	49.70
	The Geo. W. Knox Express Co.	Transportation	2.00
12	E. Morrison Paper Co.	Tags	.75
	H. N. Leckenby	Seeds	81.90
	J. M. Westgate	Traveling expenses	98.00
14	The Smith Premier Typewriter Co.	Repairs	1.50
	T. W. Wood & Sons	Seeds	.75
	Delano & Moore	Photo supplies	34.44
16	J. M. Westgate	Traveling expenses	26.32
19	Byron Hunter	do	46.45
	M. A. Crosby	do	99.00



Expenditures of the Department of Agriculture for fiscal year ending June 30, 1904—Cont'd.

## GRASS AND FORAGE PLANT INVESTIGATIONS—Continued.

Date.	Name.	Nature of payment.	Total.
1903.			
Oct. 19	David Griffiths .....	Traveling expenses .....	\$84.85
21	T. W. Wood & Sons .....	Seeds .....	.20
	.....do.....	.....do.....	66.80
22	S. W. Flower & Co. ....	Alfalfa seed .....	232.70
23	T. W. Wood & Sons .....	Seeds .....	16.50
	Hopgood Plow Co. ....	Plow .....	40.00
28	M. B. Stevens .....	Traveling expenses .....	92.56
	Mackall Bros. ....	Cotton .....	.28
	C. V. Piper .....	Salary .....	86.96
31	New York Central and Hudson River R. R. Co. ....	Passenger transportation .....	10.15
	Pennsylvania R. R. Co. ....	.....do.....	32.90
	Grand Trunk Rwy. ....	.....do.....	3.30
	Boston and Maine R. R. ....	.....do.....	2.50
	Southern Rwy. Co. ....	.....do.....	1.64
	Southern California Rwy. Co. ....	.....do.....	4.00
	St. Louis and San Francisco R. R. Co. ....	.....do.....	16.65
	Columbia, Newberry and Laurens R. R. Co. ....	.....do.....	7.00
	W. J. Spillman .....	Salaries .....	1,492.11
Nov. 3	M. B. Stevens .....	Traveling expenses .....	72.39
	.....do.....	Salary .....	40.45
	C. V. Piper .....	Traveling expenses .....	72.10
4	J. M. Westgate .....	.....do.....	151.26
5	Merritt Harper .....	Salary .....	50.50
	P. O. Vanatter .....	.....do.....	67.40
	M. A. Crosby .....	.....do.....	60.00
6	R. A. Oakley .....	Traveling expenses .....	53.09
7	E. L. Morris .....	Salary .....	25.33
9	R. A. Oakley .....	Traveling expenses .....	54.71
	.....do.....	Salary .....	40.40
	P. L. Rieker .....	Traveling expenses .....	37.35
13	M. Du Perow .....	Buzzers .....	.35
18	M. A. Crosby .....	Salary .....	30.00
19	A. S. Hitchcock .....	Traveling expenses .....	73.96
20	Brown & Sharpe Manufacturing Co. ....	Steel rules .....	3.05
	Eugene Dutzgen Co. ....	Rules, etc. ....	5.40
	Wolf Bros. ....	Envelopes .....	13.08
	Al. Stevensen .....	Services .....	22.00
21	W. H. Rupp Co. ....	Baskets .....	1.35
	Remington Typewriter Co. ....	Repairing typewriter .....	.60
	Mackall Bros. ....	Gold chloride .....	1.50
	C. A. Schneider's Sons .....	Altering root digger .....	45.00
	.....do.....	Root digger .....	70.00
	Rudolph, West & Co. ....	Can, etc. ....	1.85
23	Library Bureau .....	Cards .....	1.90
	Bausch & Lomb Optical Co. ....	Glass slide .....	3.50
25	J. S. Cotton .....	Salary .....	50.00
	C. R. Ball .....	Traveling expenses .....	20.50
27	M. A. Crosby .....	.....do.....	95.36
30	W. J. Spillman .....	.....do.....	45.28
	W. J. Westgate .....	.....do.....	33.70
	W. J. Spillman et al. ....	Salaries .....	1,508.17
Dec. 1	Washington, Alexandria and Mount Vernon Rwy. Co. ....	Ticket .....	3.60
	Delano & Moore .....	Photo supplies .....	13.70
	E. Morrison Paper Co. ....	Glue, etc. ....	3.25
	.....do.....	Tags .....	4.50
	Hugh Reilly .....	Glass .....	3.50
2	Smith Premier Typewriter Co. ....	Repairs .....	.75
	T. W. Wood & Sons .....	Seeds .....	6.25
3	Eugene Dutzgen Co. ....	Paper .....	4.56
4	R. A. Oakley .....	Salary .....	39.20
	M. A. Crosby .....	.....do.....	30.00
	P. O. Vanatter .....	.....do.....	65.20
	Merritt Harper .....	.....do.....	49.00
8	Union Pacific R. R. Co. ....	Passenger transportation .....	30.95
	.....do.....	.....do.....	19.44
	Central of Georgia Rwy. Co. ....	.....do.....	9.69
	Atlantic Coast R. R. Co. ....	.....do.....	4.35
	Seaboard Air Line Rwy. ....	.....do.....	4.60
	The Yazoo and Mississippi Valley R. R. Co. ....	.....do.....	3.70
	Boston and Maine R. R. ....	Transportation .....	5.13
	Astoria and Columbia River R. R. Co. ....	Passenger transportation .....	1.80
	Burlington and Missouri River R. R. in Nebraska. ....	.....do.....	11.10
	Southern Rwy. Co. ....	.....do.....	4.25
	.....do.....	.....do.....	19.05
	.....do.....	.....do.....	5.20
	The Chesapeake and Ohio Rwy. Co. ....	.....do.....	19.50

Expenditures of the Department of Agriculture for fiscal year ending June 30, 1904—Cont'd.

## GRASS AND FORAGE PLANT INVESTIGATIONS—Continued.

Date.	Name.	Nature of payment.	Total.
1903. Dec. 8	Southern Pacific Co.	Passenger transportation.	\$6.45
	Santa Fe, Prescott and Phoenix R. R. Co.	do.	19.60
	Alabama and Great Southern R. R. Co.	do.	4.30
	Chicago and Alton Rwy. Co.	do.	4.25
	Great Northern Rwy. Co.	do.	39.01
	Louisville and Nashville R. R. Co.	do.	9.45
	The Atchison, Topeka and Santa Fe Rwy. Co.	do.	6.07
	do.	do.	12.75
	Northern Pacific Rwy. Co.	do.	19.82
	Michigan Central R. R. Co.	do.	9.25
	Astoria and Columbia River R. R. Co.	do.	7.20
	The Pullman Co.	do.	8.50
	The Oregon R. R. and Navigation Co.	do.	77.75
10	Byron Hunter	Traveling expenses	82.30
11	Z. D. Gilman	Tubing	1.10
	Rudolph, West & Co.	Hardware	.74
	The Geo. W. Knox Express Co.	Transportation	1.12
18	The Oregon R. R. and Navigation Co.	Passenger transportation	38.75
	Fort Worth and Denver City Rwy. Co.	do.	3.55
	Pere Marquette R. R. Co.	do.	3.09
	Maricopa and Phoenix and Salt River Valley R. R. Co.	do.	6.45
	Denver and Rio Grande R. R. Co.	do.	14.00
	Great Northern Rwy. Co.	do.	5.81
	Illinois Central R. R. Co.	do.	2.25
	Seaboard Air Line Rwy.	do.	14.85
	Chicago, Milwaukee and St. Paul Rwy. Co.	do.	5.75
	Chicago and Northwestern Rwy. Co.	do.	31.24
	do.	do.	50.50
19	R. H. Forbes	Salary	49.70
	S. M. Tracy	Traveling expenses	7.45
	W. J. Spillman	Expenses	8.50
21	Delano & Moore	Seed plates	2.21
22	J. Ross Collins	Bags	15.20
23	W. J. Spillman	Traveling expenses	39.00
	Byron Hunter	do.	23.71
29	J. S. Cotton	Salary	50.00
	Bausch & Lomb Optical Co.	Triplet	3.00
	Ida E. Fulham	Pictures	1.00
	A. Sytsma	Seed	43.40
	John C. Parker	Blotters, etc.	3.25
31	W. J. Spillman et al.	Salaries	1,711.20
	Total second quarter		8,781.47
1904. Jan. 6	P. O. Vanatter	Salary	67.40
	Merritt Harper	do.	50.50
	J. S. Cotton	do.	50.00
7	James B. Lambie Co. (Incorporated)	Brads	.18
8	W. T. & F. B. Weaver	Trowels	1.00
12	Woodward & Lothrop	Furniture	46.70
14	Queen & Co. (Incorporated)	Caliper	8.10
	Florida East Coast Rwy.	Passenger transportation	6.40
16	Swett & Co.	Carbon books, etc.	10.50
	W. M. Ball	Roots, etc.	3.00
	Philip Lindemeyr	Japanese paper	4.80
	do.	do.	4.48
	Joseph Le Cort	Map	1.50
	Byron Hunter	Traveling expenses	11.95
	David Griffiths	do.	115.56
	do.	Expenses	28.00
	W. J. Spillman	Traveling expenses	19.50
18	Franklin & Co.	Pens	17.85
	Adams Express Co.	Transportation	27.40
	Delano & Moore	Photo supplies	39.68
	Church & Stephenson	Lumber	13.08
	The Smith Premier Typewriter Co.	Flaten	4.50
	Century Camera Co.	Repairs	4.25
	Eastman Kodak Co.	Photo supplies	7.20
	J. B. Gay	Services	16.94
19	Queen & Co. (Incorporated)	Test tubes	.34
25	The Yazoo and Mississippi Valley R. R. Co.	Passenger transportation	18.00
	Union Pacific R. R. Co.	do.	7.15
	Northern Pacific Rwy. Co.	do.	20.10
	do.	do.	6.85
	The Missouri Pacific Rwy. Co.	do.	3.41
	New York, New Haven and Hudson R. R. Co.	do.	5.00

*Expenditures of the Department of Agriculture for fiscal year ending June 30, 1904—Cont'd.*

## GRASS AND FORAGE PLANT INVESTIGATIONS—Continued.

Date.	Name.	Nature of payment.	Total.
1904.			
Jan. 25	New York, New Haven and Hudson R. R. Co.	Passenger transportation.....	\$10.90
	Louisville and Nashville R. R. Co.	.....do.....	16.47
	Illinois Central R. R. Co.	.....do.....	25.50
	Atlantic Coast Line R. R. Co.	.....do.....	8.25
	Pennsylvania Co.	.....do.....	21.55
	The Wabash R. R. Co.	.....do.....	60.95
	The Oregon R. R. and Navigation Co.	.....do.....	80.90
	Pennsylvania R. R. Co.	.....do.....	38.25
	James Geddes	Labor.....	30.00
	Andie Wofford	.....do.....	21.25
26	F. P. May & Co.	Traps.....	.63
	David Griffiths	Expenses.....	10.00
	W. J. Spillman	Traveling expenses.....	44.80
	Church & Stephenson	Lumber.....	53.13
	Williams, Brown & Earle	Razors, bottles, etc.....	6.51
	Mallinckrodt Chemical Works	Sodium.....	2.00
	The Fred. Macey Co. (Limited)	Cards.....	19.10
27	Rudolph, West & Co.	Nails, etc.....	2.99
28	C. V. Piper	Traveling expenses.....	17.25
31	W. J. Spillman et al.	Salaries.....	1,580.20
Feb. 2	R. H. Forbes	Salary.....	50.80
	W. B. McCleary	.....do.....	75.00
	C. R. Ball	Traveling expenses.....	9.65
3	E. G. Schafer & Co.	Pipe, valves, etc.....	10.29
	F. P. May & Co.	Traps.....	1.25
	Chesapeake and Potomac Telephone Co.	Telephone service.....	.10
4	Merritt Harper	Salary.....	51.10
9	C. E. Brereton	Prints.....	16.00
	W. J. Spillman	Freight charges.....	2.35
11	P. O. Vanatter	Salary.....	68.10
12	Queen & Co. (Incorporated)	Carbon bisulphide.....	3.00
	The Carter's Ink Co.	Speed tester.....	.50
	J. R. Collins	Seed bags.....	20.75
	Bausch & Lomb Optical Co.	Reducing glass.....	1.57
13	W. J. Spillman	Expenses.....	7.60
17	F. Barteldes & Co.	Seeds.....	35.05
	Delano & Moore	Photo supplies.....	61.33
	Baltimore and Ohio R. R. Co.	Passenger transportation.....	29.73
18	The Wabash R. R. Co.	.....do.....	4.35
	Toledo, Peoria and Western Rwy. Co.	.....do.....	4.25
	Pennsylvania R. R. Co.	.....do.....	12.25
	The Texas and Pacific Rwy. Co.	.....do.....	42.35
	St. Louis and San Francisco R. R. Co.	.....do.....	9.44
19	A. S. Hitchcock	Traveling expenses.....	101.11
23	Library Bureau	Cards.....	17.60
	D. A. Bright	Artichokes.....	7.50
	C. E. Brereton	Photo prints.....	16.00
24	Church & Stephenson	Lumber.....	4.59
	Harris & Shafer Co.	Repairing clock.....	1.60
	Rudolph, West & Co.	Nails, etc.....	.96
	Thos. Somerville & Sons	Sink, etc.....	5.48
27	Western Union Telegraph Co.	Telegraph service.....	14.28
29	W. J. Spillman et al.	Salaries.....	1,606.92
Mar. 2	C. R. Ball	Traveling expenses.....	10.50
	J. M. Westgate	.....do.....	2.00
	Geo. M. Tucker	.....do.....	8.70
	.....do.....	Expenses.....	24.00
3	The Smith Premier Typewriter Co.	Repairs.....	7.10
	M. Du Perow	Shade.....	.65
	Hutchinson & McCarthy	Filter stone.....	2.00
4	Harrison Garman	Salary.....	120.00
	Byron Hunter	.....do.....	79.60
	Merritt Harper	.....do.....	47.80
	S. M. Tracy	.....do.....	98.90
	W. B. McCleary	.....do.....	25.00
5	Mallinckrodt Chemical Works	Chemicals.....	.32
11	Postal Telegraph-Cable Co.	Telegraph service.....	.60
	Mackall Bros	Cotton, etc.....	3.87
	United States Express Co.	Transportation.....	28.36
17	Houston and Texas Central R. R. Co.	Passenger transportation.....	16.40
	Chicago and Northwestern Rwy. Co.	.....do.....	65.81
18	New York, New Haven and Hartford R. R. Co.	.....do.....	29.50
	Norfolk and Western Rwy. Co.	.....do.....	3.70
	Louisville and Nashville R. R. Co.	.....do.....	27.50
	Missouri, Kansas and Texas Rwy. Co.	.....do.....	14.75
	The Oregon R. R. and Navigation Co.	.....do.....	70.00
	Pennsylvania R. R. Co.	.....do.....	4.80
	A. S. Hitchcock	Traveling expenses.....	7.10
	.....do.....	.....do.....	8.71



Expenditures of the Department of Agriculture for fiscal year ending June 30, 1904—Cont'd.

## GRASS AND FORAGE PLANT INVESTIGATIONS—Continued.

Date.	Name.	Nature of payment.	Total.
1904.			
Mar. 18	J. Baumgarten & Sons.....	Type.....	\$6.00
	Delano & Moore.....	Photo. supplies.....	48.17
	The Pullman Co.....	Passenger transportation.....	5.00
	.....do.....	.....do.....	35.50
	Southern Pacific Co.....	.....do.....	6.45
	.....do.....	.....do.....	4.90
21	The Fred. Macey Co. (Limited).....	Cards.....	13.03
	P. O. Van Atter.....	Salary.....	63.80
	Wm. Kraft.....	Objectives.....	50.40
	Eastman Kodak Co.....	Repairs to kodak.....	6.40
22	American Writing Machine Co.....	Stand.....	4.00
28	David Griffiths.....	Expenses.....	8.00
29	The E. F. Brooks Co.....	Electric bracket.....	3.50
	J. Baumgarten & Sons.....	Dating stamp.....	4.10
31	W. J. Spillman et al.....	Salaries.....	1,880.72
	Total third quarter.....		7,808.44
Apr. 4	W. J. Spillman.....	Expenses.....	41.50
6	Harrison Garman.....	Salary.....	120.00
	P. O. Van Atter.....	.....do.....	68.10
	W. B. McCleary.....	.....do.....	12.50
	S. M. Tracy.....	.....do.....	170.30
	Merritt Harper.....	.....do.....	51.10
9	Woodruff Manufacturing Co.....	Herbarium cases.....	110.00
12	H. A. L. Barker.....	Salary.....	12.00
	T. W. Wood & Sons.....	Seeds.....	13.48
	Spencer Lens Co.....	Magnifiers.....	18.11
	Philip Lindemeyr.....	Paper.....	12.00
	Jas. K. Metcalfe.....	Seeds.....	119.50
14	D. N. Walford.....	Tripods.....	20.00
15	Somerville Bean.....	Salary.....	39.00
	B. H. Hall.....	.....do.....	19.50
18	Postal Telegraph Cable Co.....	Telegraph service.....	.56
	Hugh Reilly.....	Plate.....	3.00
	Rudolph, West & Co.....	Hardware.....	1.02
	Delano & Moore.....	Photo. supplies.....	42.66
	R. Carter Ballantyne.....	Pencil.....	.80
	R. P. Andrews & Co. (Incorporated).....	Clips and paste.....	5.76
19	Northrup, King & Co.....	Seeds.....	9.75
	Cambridge Botanical Supply Co.....	Envelopes.....	7.80
	Funk Brothers Seed Co.....	Corn.....	10.58
	T. W. Wood & Sons.....	Pease.....	16.50
	Kellogg Switchboard and Supply Co.....	Desk set.....	11.25
	Library Bureau.....	Cards.....	4.00
20	Burlington and Missouri River R. R. in Ne- braska.....	Passenger transportation.....	6.15
	The Chicago, Burlington and Quincy Rwy. Co.....	.....do.....	12.90
	Southern Rwy. Co.....	.....do.....	40.20
	Pennsylvania R. R. Co.....	.....do.....	28.50
21	J. M. Westgate.....	Traveling expenses.....	22.05
22	Chicago, Rock Island and Pacific Rwy. Co.....	Passenger transportation.....	62.82
23	R. H. Forbes.....	Salary.....	49.50
	B. H. Hall.....	.....do.....	10.50
28	S. M. Tracy.....	Traveling expenses.....	96.78
30	W. J. Spillman et al.....	Salaries.....	1,617.03
May 2	C. V. Piper.....	Traveling expenses.....	55.90
3	Geo. M. Tucker.....	.....do.....	35.92
	W. J. Spillman.....	.....do.....	1.87
4	Harrison Garman.....	Salary.....	120.00
	P. O. Van Atter.....	.....do.....	65.90
	J. G. Haney, superintendent.....	Seed.....	22.50
	Merritt Harper.....	Salary.....	49.50
	Juanita Gay.....	.....do.....	7.66
	W. B. McCleary.....	.....do.....	12.50
6	Bausch & Lomb Optical Co.....	Repairs to camera.....	1.25
	T. W. Wood & Sons.....	Artichokes.....	1.50
	.....do.....	Seeds.....	4.25
	Geo. M. Tucker.....	Iron pots.....	62.05
	J. M. Thorburn.....	Seeds.....	10.20
	.....do.....	.....do.....	3.40
	Summer & Morris.....	Horseshoes.....	1.00
	J. Steckler Co. (Limited).....	Seeds.....	1.00
	D. Frank Parker.....	Stencil paper, etc.....	9.80
	Remington Typewriter Co.....	Typewriters, etc.....	180.70
10	C. E. Brereton.....	Prints.....	21.45
12	J. M. Westgate.....	Traveling expenses.....	73.71
13	Fred. A. Schmidt.....	Blueprint.....	.80

*Expenditures of the Department of Agriculture for fiscal year ending June 30, 1904—Cont'd.*

## GRASS AND FORAGE PLANT INVESTIGATIONS—Continued.

Date.	Name.	Nature of payment.	Total.
1904.			
May 13	District of Columbia Paper Manufacturing Co.	Plant drier	\$14.40
	Thos. R. Riley	Lumber	.84
	John Maloney	Services	12.00
	Somerville Bean	do	36.00
14	John T. Phipps	do	12.00
16	K. Knessi & Son	Trunk straps	12.00
	Thos. M. Everett	Seeds	25.00
	Lilly Bogardus & Co. (Incorporated)	do	2.00
18	Choctaw, Oklahoma and Gulf R. R. Co.	Passenger transportation	4.15
	Seaboard Air Line Rwy.	do	8.65
	Atlantic Coast Line R. R. Co.	do	12.20
	Southern Rwy. Co.	do	8.99
19	E. Morrison Paper Co.	Newspaper stock	3.40
20	Barber & Ross	Glue	6.12
25	Delano & Moore	Photo. supplies	11.49
	do	do	52.29
26	C. Becker	Trunk	5.50
27	Byron Hunter	Traveling expenses	15.65
	David Griffiths	do	38.15
31	John Maloney	Salary	18.00
	John Phipps	do	18.00
	Somerville Bean	do	42.00
	W. J. Spillman et al.	Salaries	1,491.84
June 2	J. A. Widtsoe	Salary	200.00
	L. F. Powell	do	20.65
3	Mackall Bros.	Graduates, etc.	7.13
	Library Bureau	Binders, etc.	5.25
	The Geo. W. Knox Express Co.	Transportation	.73
	E. & W. Hackett	Seeds	14.00
	Henry Heil Chemical Co.	Arsenic and soda	6.00
	Edw. E. Evans	Beans	5.00
	do	Pease	16.25
	Church & Stephenson	Lumber	3.15
	do	do	10.20
	do	do	71.19
	do	do	60.55
	Cambridge Botanical Supply Co.	Plant digger	1.50
	Adams Express Co.	Transportation	4.85
	do	do	1.75
	do	do	4.00
	do	do	4.95
	do	do	2.95
	Rudolph, West & Co.	Screws, etc.	3.48
	D. Frank Parker	Memorandum books	1.00
	J. W. Norton	Article on maize	5.00
	United States Express Co.	Transportation	1.55
	J. M. Thorburn & Co.	Seeds	13.60
	James A. Small	Sand	2.00
6	Western Union Telegraph Co.	Telegraph service	1.95
8	A. S. Hitechoek	Traveling expenses	9.70
	L. F. Paull	do	8.30
	Juanita Gay	Salary	10.00
	W. B. McCleary	do	12.50
	Harrison Garman	do	120.00
	John A. Widtsoe	do	100.00
	Merritt Harper	do	51.00
	P. O. Van Atter	do	68.20
	C. V. Piper	do	170.40
	I. P. Roosa	Expenses	16.65
14	C. R. Ball	Traveling expenses	3.40
	do	do	6.10
15	Somerville Bean	Services	39.00
17	S. M. Tracy	Expenses	9.37
20	Cambridge Botanical Supply Co.	Envelopes	4.80
	National Electric Supply Co.	Fan	8.50
	D. Frank Parker	Paper	8.00
	Rudolph, West & Co.	Hardware	7.56
	W. B. Moses & Sons	Chairs	13.90
	Library Bureau	Binder	1.25
	Jas. B. Lambie Co. (Incorporated)	Hatchet handles	.40
	Kellogg Switchboard and Supply Co.	Desk sets	22.50
	Woodward & Lothrop	Coolers, etc.	23.20
	T. W. Wood & Sons	Seeds	8.00
	The C. J. McCubbin Co.	Frost closets	24.00
	The Fred. Macey Co. (Limited)	File cases	91.00
	The Okonite Co. (Limited)	Wire	20.15
	W. Silas Sheetz	Tripods	9.00
	E. Morrison Paper Co.	Cards	9.00

Expenditures of the Department of Agriculture for fiscal year ending June 30, 1904—Cont'd.

## GRASS AND FORAGE PLANT INVESTIGATIONS—Continued.

Date.	Name.	Nature of payment.	Total.
1904.			
June 20	E. Morrison Paper Co.....	Paper.....	\$11.00
21	David Griffiths.....	Traveling expenses.....	86.84
24	John Murphy.....	Services.....	4.50
	A. S. Hitchcock.....	Traveling expenses.....	17.40
	R. A. Oakley.....	do.....	72.36
29	Delano & Moore.....	Photo. supplies.....	13.84
30	Somerville Bean.....	Salary.....	39.00
	L. F. Paull.....	do.....	40.00
	J. T. Parker.....	do.....	7.50
	W. D. Wilson.....	do.....	13.50
	W. J. Spillman et al.....	Salaries.....	1,345.65
	Total fourth quarter.....		8,476.90
	<i>Supplemental.</i>		
July 2	W. B. McCleary.....	Salary.....	12.50
	C. V. Piper.....	do.....	164.80
	Juanita Gay.....	do.....	10.00
	R. A. Oakley.....	do.....	82.40
	Harrison Garman.....	do.....	44.00
	Harold T. Nielsen.....	do.....	34.67
11	R. H. Forbes.....	do.....	75.00
	Geo. M. Tucker.....	Traveling expenses.....	41.83
	J. A. Widtsoe.....	Salary.....	100.00
14	J. S. Cotton.....	do.....	50.00
	P. L. Ricker.....	Traveling expenses.....	58.71
	Byron Hunter.....	do.....	123.35
15	J. M. Westgate.....	do.....	59.75
18	H. T. Nielsen.....	do.....	70.93
	R. A. Oakley.....	do.....	93.50
	C. V. Piper.....	do.....	75.40
	Church & Stephenson.....	Lumber.....	17.86
	do.....	do.....	63.64
	Daniel Hiser.....	Flower pots.....	3.50
19	E. Haekel.....	Specimens.....	68.00
	Library Bureau.....	Cards.....	1.75
	Mineralized Rubber Co.....	Rubber.....	9.25
	The Okonite Co. (Limited).....	Wire.....	2.10
20	D. C. Paper Manufacturing Co.....	Plant dryer.....	14.40
	Francis Miller.....	Light glass.....	30.04
	E. Morrison Paper Co.....	Cardboard.....	8.74
	do.....	Paper.....	3.40
	Remington Typewriter Co.....	Overhauling typewriter.....	14.45
	Wm. H. Rupp Co.....	Books.....	3.00
	E. G. Schafer & Co.....	Ells, etc.....	6.06
23	L. A. Clinton.....	Expenses.....	32.30
	do.....	do.....	7.55
	J. S. Cotton.....	Traveling expenses.....	43.75
	Pennsylvania R. R. Co.....	Passenger transportation.....	12.25
	do.....	do.....	50.50
	Southern Rwy. Co.....	do.....	55.25
30	Galveston, Harrisburg and San Antonio Rwy. Co.....	do.....	4.95
	do.....	do.....	15.35
	Missouri, Kansas and Texas Rwy. Co.....	do.....	17.00
	The Atchison, Topeka and Santa Fe Rwy. Co.....	do.....	19.15
	The Oregon R. R. and Navigation Co.....	do.....	24.95
	Norfolk and Washington, D. C., Steamboat Co.....	do.....	3.00
	New York, New Haven and Hudson River R. R. Co.....	do.....	5.00
	Atlantic Coast Line R. R. Co.....	do.....	50.85
	Chicago and Northwestern Rwy. Co.....	do.....	9.80
	Louisville and Nashville R. R. Co.....	do.....	21.88
Aug. 3	L. A. Clinton.....	Traveling expenses.....	10.15
	R. C. M. Burton & Sons.....	Awnings.....	16.00
	Delano & Moore.....	Photo supplies.....	16.38
	The Chesapeake and Potomac Telegraph Co.....	Call.....	.25
	do.....	Service.....	2.88
	Thos. Somerville & Sons.....	Plumbing material.....	14.05
	D. F. Parker.....	Paper.....	25.50
	Woodward & Lothrop.....	1 yard felt.....	1.25
16	C. M. Syvret.....	Mounting specimens.....	60.00
17	Barber & Ross.....	Door tracks, etc.....	11.10
	J. Baumgarten & Son.....	Dating stamps.....	.50
	The Geo. W. Knox Express Co.....	Drayage.....	.97
18	Geo. Gammil.....	Seeds.....	22.00
	Randolph Paper Box Co.....	Boxes.....	27.00
	Geo. M. Tucker.....	Lime.....	64.33



246 EXPENDITURES IN DEPARTMENT OF AGRICULTURE.

Expenditures of the Department of Agriculture for fiscal year ending June 30, 1904—Cont'd.

GRASS AND FORAGE PLANT INVESTIGATIONS—Continued.

Date.	Name.	Nature of payment.	Total.
<i>Supplemental—Continued.</i>			
1904.			
Aug. 18	Library Bureau	Cards	\$6.00
25	J. S. Cotton	Traveling expenses	12.50
26	Western Union Telegraph Co.	Service	.25
27	David Griffiths	Traveling expenses	90.74
29	Geo. F. Muth & Co.	Ink, etc.	1.45
	Geo. M. Tucker	Seed	59.24
	United States Express Co.	Transportation	4.60
	do	do	5.34
Sept. 16	St. Joseph and Grand Isle R. R. Co.	Passenger transportation	19.48
	Nashville, Chattanooga and St. Louis Rwy. Co.	do	5.15
	Norfolk and Western Rwy. Co.	do	5.85
	Chicago, Rock Island and Pacific Rwy. Co.	do	16.00
	do	do	114.25
	The Atchison, Topeka and Santa Fe Rwy. Co.	do	26.75
	The Pullman Co.	do	16.50
	Southern Rwy. Co.	do	12.73
	Maricopa, Phoenix and Salt River R. R. Co.	do	18.65
	Texas and Mexican Rwy. Co.	do	4.80
	National R. R. Co. of Mexico	do	21.60
	Santa Fe, Prescott and Phoenix Rwy. Co.	do	12.70
	Louisville and Nashville R. R. Co.	do	5.50
	El Paso and Southwestern R. R. Co.	do	3.70
	do	do	3.70
	Florida East Coast Rwy.	do	9.60
	Missouri Pacific Rwy. Co.	do	1.04
	Cleveland, Cincinnati, Chicago and St. Louis Rwy.	do	19.00
	Oregon Rwy. and Navigation Co.	do	10.85
	do	do	20.30
20	Rudolph, West & Co.	Sandpaper	.10
	Adams Express Co.	Transportation	13.10
	do	do	4.50
	do	do	2.25
24	Baltimore and Ohio R. R. Co.	Passenger transportation	172.80
	Total		2,709.95

RECAPITULATION.

First quarter	\$6,363.46
Second quarter	8,781.47
Third quarter	7,808.44
Fourth quarter	8,476.90
Supplemental	2,709.95
Total	34,140.22

ACCOUNT PAID BY UNITED STATES TREASURY.

Date.	Name.	Nature of payment.	Total.
1904.			
Dec. 7	Southern Pacific Co.	Passenger transportation	\$70.10

RENT.

1904.			
June 13	Jno. M. Beavers	Rent, May, 1904	\$125.00
July 5	do	Rent, June, 1904	125.00
	Total		250.00

EXPERIMENTAL GARDENS AND GROUNDS.

1903.			
July 30	Chas. White	Potting soil	\$10.00
25	The E. F. Brooks Co.	Burner	11.00
	C. M. Woolf & Co.	Mower, etc.	42.75

Expenditures of the Department of Agriculture for fiscal year ending June 30, 1904—Cont'd.

## EXPERIMENTAL GARDENS AND GROUNDS—Continued.

Date.	Name.	Nature of payment.	Total.
1903.			
July 25	E. S. Schmid	Plant stakes	\$45.00
31	E. M. Byrnes et al.	Salaries	1,346.53
Aug. 4	J. Baumgarten & Sons	Steel stamp, etc.	7.00
	E. S. Schmid	Raffia for plant work	6.00
	do	Wire supports	35.00
7	do	Supports	45.50
	S. D. Houck	Whip, etc.	7.25
8	E. M. Byrnes	Expenses	8.13
10	J. T. Walker Sons	Roofing	18.00
12	E. S. Schmid	Stakes	9.70
	E. G. Schafer & Co.	Ties, etc.	241.46
	do		1.10
13	Edw. S. Schmid	Rose leaf extract	24.40
14	The M. Lindsay Rubber Co.	Tubing	4.80
	W. I. Brooke	Stone	1.75
	T. R. Riley	Lumber	42.21
22	Charles Shore	Bicycle tire	3.25
25	Rudolph, West & Co.	Rakes, etc.	110.25
27	George W. Stone	Barrels	7.50
	E. G. Schafer & Co.	Ells, etc.	11.92
31	E. M. Byrnes et al.	Salaries	1,409.87
Sept. 2	James J. Murphy	Labor and material	35.00
	Charles White	Sod	5.44
4	Potomac Electric Power Co.	Arc lamps	93.00
	do	Electric current	2.52
	Washington Gaslight Co.	Gas	.20
	H. A. Dreer	Thermometers	28.50
9	E. M. Byrnes	Expenses	8.95
10	J. B. Lambie Co. (Incorporated)	Wire brads	1.75
	Francis Miller	Glass	36.75
	E. G. Schafer	Pipe, etc.	19.84
	Hugh Reilly	Brushes, etc.	12.47
	Rudolph, West & Co.	Step ladder, etc.	21.21
	J. B. Lambie Co. (Incorporated)	Tubing, etc.	1.10
	J. J. Murphy	Repairs	15.00
12	Charles White	Clover sod	1.70
14	Church & Stephenson	Lumber	205.15
	do	do	102.49
	do	do	137.34
16	P. Mann & Co.	2 dump carts	85.00
17	Peter Henderson	Knives	14.10
21	E. G. Schafer & Co.	Ells	37.52
	do	do	63.27
	do	do	12.61
	E. S. Schmid	Stakes	29.50
	Thos. Somerville & Sons	Ties, etc.	29.17
24	Mallinckrodt Chemical Works	Chemicals	2.05
	Thos. Somerville & Sons	Pipe	189.30
	E. G. Schafer & Co.	Stopcocks	5.78
	National Mortar Co.	Cement	42.00
30	E. M. Byrnes et al.	Salaries	1,382.80
	Total first quarter		6,071.88
Oct. 1	Thomas Ragan	Manure	40.00
8	Charles Shore	Repairs to bicycle	4.00
	E. M. Byrnes	Expenses	2.70
10	Potomac Electric Power Co.	Arc lamps, grounds	93.00
	do	Electric current	3.74
	do	do	1.43
	Blue Line Transfer Co.	Transportation	33.65
	Rudolph, West & Co.	Hardware	22.61
	James B. Lambie Co. (Incorporated)	Hardware, etc.	12.10
	Washington Gaslight Co.	Gas	.90
	James B. Lambie Co. (Incorporated)	Drills, etc.	6.05
	Francis Miller	Glass	177.50
	Potomac Electric Power Co.	Electric current	3.39
	do	Electric current, grounds	90.00
	Thos. Somerville & Sons	Valves, pipe, etc.	182.19
12	Edw. S. Schmid	Moss, etc.	6.90
	J. E. Hurley	Smokestack	115.00
	S. D. Houck	Girths, etc.	13.00
14	National Electrical Supply Co.	Silk cord	1.87
	C. J. Fanning	Slate lining	15.00
	Louis P. Menchine	Asbestos lining, etc.	49.17
	Church & Stephenson	Lumber	25.50
	do	do	2.80
	do	do	10.08
	do	do	36.75
	Columbia National Sand Dredging Co.	Gravel, etc.	6.90

*Expenditures of the Department of Agriculture for fiscal year ending June 30, 1904—Cont'd.*

## EXPERIMENTAL GARDENS AND GROUNDS—Continued.

Date.	Name.	Nature of payment.	Total.
1903.			
Oct. 22	J. H. Bunnell & Co.	Key sockets	\$1.95
	Edward Hurdle	Iron boxes	12.00
	John C. Moninger Co.	Carpenters' materials	313.70
	.....do.....	Ventilating apparatus	62.50
	C. M. Woolf & Co.	Baskets	3.80
	National Mortar Co.	Cement	25.20
23	The Zeigler Filter and Pottery Co.	Flower pots	191.58
	C. M. Woolf & Co.	Mower sections	7.31
	J. L. Crupper	Doors, etc.	20.00
28	E. G. Schafer & Co.	Plumbers' supplies	10.97
	Thos. Ragan	Manure	10.00
31	E. M. Byrnes et al.	Salaries	1,416.47
Nov. 10	E. M. Byrnes	Expenses	1.35
13	Barber & Ross	Iron	4.35
	M. Du Perow	Electric supplies	3.44
20	Edward Hurdle	Covering steam pipe	37.75
21	The Chesapeake and Potomac Telephone Co.	Telephone service	7.00
	Washington Gaslight Co.	Gas	.10
23	The Okonite Co. (Limited)	Wire	15.00
30	E. M. Byrnes et al.	Salaries	1,411.30
Dec. 1	The A. J. Joyce Carriage Co.	Grease	1.50
	Geo. F. Muth & Co.	Paints, etc.	65.37
	.....do.....	Oil, etc.	31.35
	Potomac Electric Power Co.	Lighting grounds	82.92
	.....do.....	Electric current	.28
	.....do.....	.....do.....	3.21
	Francis Miller	Turpentine and oil	38.63
	Edw. S. Schmid	Punk	14.40
	.....do.....	Glazing points	5.50
	Rudolph, West & Co.	Hardware	7.70
	James B. Lambie Co. (Incorporated)	.....do.....	5.50
	Washington Gaslight Co.	Gas	.20
	.....do.....	.....do.....	.60
	Thos. Somerville & Sons	Gauges, etc.	16.81
	.....do.....	Tanks	53.64
	Francis Miller	Glass	45.20
	E. G. Schafer & Co.	Plumbers' supplies	153.27
	.....do.....	.....do.....	1.44
	.....do.....	.....do.....	15.92
	.....do.....	.....do.....	.60
	.....do.....	.....do.....	1.16
2	Henry A. Dreer	Thermometers	13.50
	Edward Hurdle	Repairs	21.10
	.....do.....	Pipe	1.95
	C. Becker	Oil, etc.	2.20
	J. T. Walker Sons	Felt paper, etc.	6.85
3	John C. Moninger Co.	Ventilating apparatus	50.50
	Hollands Manufacturing Co.	Mixer, etc.	.64
5	The Cranford Paving Co.	Repairing roads, etc.	282.10
	Edward Hurdle	Gutter	23.80
	Wallace & Menchine	Asbestos covering	9.79
11	Barber & Ross	Iron, etc.	13.01
	Geo. F. Muth & Co.	Putty	3.50
	Rudolph, West & Co.	Hardware	14.75
14	Church & Stephenson	Lumber	12.80
	.....do.....	.....do.....	30.00
16	H. C. Jones	Manure	148.50
17	Thos. Somerville & Sons	Plumbing materials	62.46
	.....do.....	Wick packing	2.40
	James B. Lambie Co. (Incorporated)	Rules, etc.	3.20
	E. G. Schafer & Co.	Plumbers' supplies	20.61
	Edw. S. Schmid	Punk, etc.	10.80
29	Church & Stephenson	Tubs	100.00
	E. G. Schafer & Co.	Valves	25.92
31	E. M. Byrnes et al.	Salaries	1,444.10
	Total second quarter		7,361.88
1904.			
Jan. 6	Thos. Ragan	Manure	13.00
7	Washington Gaslight Co.	Gas	.50
	Potomac Electric Power Co.	Arc lamp	7.50
	.....do.....	.....do.....	7.50
	.....do.....	Lighting grounds	75.00
	.....do.....	Electric current	8.94
	.....do.....	.....do.....	5.52
	Thos. Somerville & Sons	Plumbers' supplies	46.68
12	Edw. S. Schmid	Moss	1.40
18	Louis Hartig	Iron rods	15.28
	Geo. F. Muth & Co.	Gasoline, etc.	6.50
	.....do.....	Paint, etc.	2.15



Expenditures of the Department of Agriculture for fiscal year ending June 30, 1904—Cont'd.

EXPERIMENTAL GARDENS AND GROUNDS—Continued.

Date.	Name.	Nature of payment.	Total.
1904.			
Jan. 18	The Cranford Paving Co.	Repairs to pavement	\$530.55
	do	do	189.00
26	J. T. Walker Sons	Charcoal	3.60
27	Thos. Somerville & Sons	Plumbing supplies	7.08
	Rudolph, West & Co.	Bolts	.76
	Edwin S. Schmid	Jars	6.00
	Francis Miller	Glass	1.60
	Potomac Electric Power Co.	Lighting grounds	93.00
	do	Electric current	2.12
	do	do	7.24
31	E. M. Byrnes et al.	Salaries	1,447.10
Feb. 3	Washington Gaslight Co.	Gas	1.10
	E. G. Schafer & Co.	Check valves	7.04
	The Chesapeake and Potomac Co.	Telephone service	7.00
9	Barber & Ross	Garden barrows	16.50
	The Alexandria Iron Co.	Grate bars	47.95
	James B. Lambie Co. (Incorporated)	Brooms	5.36
	Louis Hartig	Washers, etc.	3.34
	Potomac Electric Power Co.	Electric current	11.81
	do	Arc lamps	93.00
	Washington Gaslight Co.	Gas	1.50
	do	do	.50
18	F. S. Earle	Traveling expenses	12.50
	Hugh Reilly	Shellac	1.89
23	R. & J. Farquhar & Co.	Knives	36.00
24	Rudolph, West & Co.	Hardware	12.06
	Thos. Somerville & Sons	Pipe	137.54
	do	Die, etc.	.55
27	Western Union Telegraph Co.	Service	.55
29	E. M. Byrnes et al.	Salaries	1,397.45
Mar. 1	Guy Martellaro	Repairs to harness	3.00
3	E. G. Schafer & Co.	Valves, etc.	19.62
	do	do	6.35
	Edw. S. Schmid	Moss, etc.	3.40
4	Wm. Kane Manufacturing Co.	Hot-water generator	15.00
5	Mineralized Rubber Co.	Hose	52.50
11	Washington Gaslight Co.	Gas	.60
	Rudolph, West & Co.	Iron spout, etc.	7.77
	Wm. J. Zeh	Coal	397.00
	Potomac Electric Power Co.	Lighting grounds	87.00
	do	Current	3.91
	do	do	9.42
	Church & Stephenson	Lumber	62.50
	Postal Telegraph-Cable Co.	Service	.76
	E. G. Schafer & Co.	Plumbers' supplies	45.27
	The Grove Lime and Coal Co.	Clay	1.80
	United States Express Co.	Transportation	8.22
18	Washington Gaslight Co.	Gas	.60
22	Thos. Somerville & Sons	Asbestos	4.02
	Edw. S. Schmid	Insecticide	24.40
	Louis Hartig	Hardware	2.20
31	E. M. Byrnes et al.	Salaries	1,457.10
	Total third quarter		6,484.01
Apr. 7	E. M. Byrnes	Expenses	7.85
9	Washington Gaslight Co.	Gas	.80
	do	do	3.90
13	Wm. J. Zeh	Coal	397.03
14	Barber & Ross	Iron	4.04
	E. F. Brooks Co.	Water heater	12.00
	Jas. B. Lambie Co.	Padlocks, etc.	3.25
	E. G. Schafer & Co.	Plumbers' materials	14.69
	C. M. Woolf & Co.	Forks, etc.	5.10
15	Geo. W. Cutshall	Salary	26.00
	Frank Lee	do	22.75
	Chas. W. Dawson	do	17.50
	Jno. W. Dawson	do	30.00
16	W. H. Schultheis	Traveling expenses	4.25
18	Postal Telegraph-Cable Co.	Service	5.47
	Potomac Electric Power Co.	Current	5.89
	do	do	93.00
	do	do	8.80
	Mackall Bros.	Chemicals	6.20
20	J. A. Finnell	Horse	150.00
30	C. W. Dawson	Salary	16.25
	G. W. Cutshall	do	26.00
	Jno. W. Dawson	do	30.00
	Frank Lee	do	22.75
	E. M. Byrnes et al.	Salaries	1,051.79
May 11	do	Expenses	5.82

Expenditures of the Department of Agriculture for fiscal year ending June 30, 1904—Cont'd.

## EXPERIMENTAL GARDENS AND GROUNDS—Continued.

Date.	Name.	Nature of payment.	Total.
1904.			
May 13	Washington Gaslight Co.	Gas	\$0.40
	Western Union Telegraph Co.	Service	.21
	The Chesapeake and Potomac Telephone Co.	do	7.00
14	Geo. W. Cutshall	Salary	24.00
	Frank Lee	do	21.00
	J. W. Dawson	do	26.00
	C. W. Dawson	do	15.00
16	Adams Express Co.	Transportation	1.15
	do	do	2.70
21	Guy Martellaro	Repairs to harness	7.00
31	S. A. Reid	Salary	42.00
	Frank Lee	do	24.50
	Chas. W. Dawson	do	17.50
	G. W. Cutshall	do	28.00
	Jno. W. Dawson	do	28.00
June 3	E. M. Byrnes et al.	Salaries	952.10
	E. G. Schafer & Co.	Pipe	4.61
	Potomac Electric Power Co.	Current	4.23
	do	do	5.80
	do	Lighting grounds	90.00
	United States Express Co.	Transportation	7.32
	Thos. Somerville & Sons	Tees, etc	3.48
4	Adams Express Co.	Transportation	2.65
6	E. M. Byrnes	Expenses	8.29
	Jas. B. Lambie Co.	Drills	.90
15	Geo. W. Cutshall	Services	26.00
	Stephen A. Reid	do	39.00
	Chas. W. Dawson	do	16.25
	Jno. Pope	do	4.50
	Frank Wagner	do	4.50
	Jno. W. Dawson	do	26.00
	Frank Lee	do	22.75
20	Rudolph, West & Co.	Lawn mowers, etc	96.26
	Potomac Electric Power Co.	Lighting grounds	93.00
	do	Current	1.93
	do	Lamp pole	25.00
	Geo. F. Muth & Co.	Lead, etc	35.38
	do	Oil, etc	3.55
	Jas. B. Lambie Co.	Brooms	6.90
	Washington Gaslight Co.	Gas	.60
	C. M. Woolf & Co.	Hoes, etc	7.50
	do	Wheelbarrows	18.00
	Edw. S. Schmid	Insect powder	15.00
	do	Punk	21.60
30	Geo. W. Cutshall	Salary	28.00
	Frank Lee	do	22.75
	Chas. W. Dawson	do	17.50
	Frank Wagner	do	19.50
	S. A. Reid	do	39.00
	Jno. W. Dawson	do	28.00
	Jno. Pope	do	19.50
	E. M. Byrnes et al.	Salaries	879.10
	Total, fourth quarter		4,804.04
	<i>Supplemental.</i>		
July 2	Edward Hurdle	Sprinklers	10.50
7	Church & Stephenson	Lumber	39.46
14	E. M. Byrnes	Expenses	1.55
18	Robt. Murphy	Wood for foundation	13.00
	Potomac Electric Power Co.	Arc lamps	90.00
	do	Current	1.93
	Washington Gaslight Co.	Gas	.20
	Chesapeake and Potomac Telephone Co.	Services	7.00
20	Colorado National Sand Dredging Co.	Sand	9.00
	do	do	3.00
	Edw. Hurdle	Sprinkler, etc	1.50
	Rudolph, West & Co.	Funnels, etc	25.33
	Edw. S. Schmid	Extract of tobacco	25.00
	Thos. Somerville & Sons	Tees, etc	5.96
	do	Pipe	9.12
	do	Tee	.42
Aug. 3	Rudolph, West & Co.	Shears	2.75
17	Barber & Ross	Buckets	1.79
	Geo. F. Muth & Co.	Printers' material	6.32
	The C. J. McCubbin Co.	Flanges	2.60
18	W. W. Woodworth	Plant protectors	5.10
	Total		261.53

Expenditures of the Department of Agriculture for fiscal year ending June 30, 1904—Cont'd.

RECAPITULATION.

First quarter .....	\$6,071.88
Second quarter .....	7,361.88
Third quarter .....	6,484.01
Fourth quarter .....	4,804.04
Supplemental .....	261.53
<b>Total .....</b>	<b>24,983.34</b>

ARLINGTON EXPERIMENTAL FARM.

Date.	Name.	Nature of payment.	Total.
1903.			
July 25	T. R. Riley .....	Lumber .....	\$32.62
31	L. C. Corbett et al. ....	Salaries .....	964.04
Aug. 4	Louis Hartig .....	Bolt ends .....	4.43
	do .....	Iron nuts, etc. ....	2.05
	The Bryant Fertilizer Co. ....	Fertilizer .....	46.90
	T. R. Riley .....	Doors, etc. ....	16.25
7	Standard Oil Co. ....	Gasoline .....	7.83
12	E. G. Schafer & Co. ....	Sheet lead .....	15.87
14	American Writing Machine Co. ....	Paper .....	9.50
15	National Electrical Supply Co. ....	Belt, etc. ....	4.45
	Rudolph, West & Co. ....	Hinges .....	20.10
21	Yawman & Erbe Manufacturing Co. ....	Sections .....	36.00
	Leidy S. Depue .....	Oats .....	22.50
27	do .....	do .....	22.50
	J. G. Waters & Sons .....	Cement .....	17.00
	E. G. Schafer & Co. ....	Fittings, etc. ....	95
31	L. C. Corbett et al. ....	Salaries .....	944.79
Sept. 4	do .....	Traveling expenses .....	48.73
	do .....	do .....	16.68
9	Leidy S. Depue .....	Oats .....	22.50
	Yawman & Erbe Manufacturing Co. ....	Sections .....	17.50
10	Barber & Ross .....	Iron .....	4.76
	T. R. Riley .....	Lumber .....	5.00
11	F. W. Bolgiano & Co. ....	One-horse buggy .....	60.00
	G. G. Boteler .....	Tool handles, etc. ....	11.35
18	L. C. Corbett .....	Expenses .....	32.50
21	Church & Stephenson .....	Lumber .....	8.68
	L. S. Depue .....	Hay .....	95.00
	T. W. Smith .....	Transoms, etc. ....	6.42
	T. R. Riley .....	Doors, etc. ....	22.95
	Delano & Moore .....	Plates and films .....	9.25
24	The Bryant Fertilizer Co. ....	Fertilizer .....	83.07
	H. K. Field & Co. ....	Window frames .....	239.80
	do .....	do .....	12.00
	L. S. Depue .....	Oats .....	45.00
	Rudolph, West & Co. ....	Nails .....	9.50
	Thos. Somerville & Sons .....	Nipples, etc. ....	3.67
	Chauncey & Horrigan .....	Door sills .....	9.50
	F. W. Bolgiano & Co. ....	Wagon bed .....	16.00
	National Mortar Co. ....	Mortar .....	21.00
30	L. C. Corbett et al. ....	Salaries .....	970.20
	<b>Total, first quarter .....</b>		<b>3,934.84</b>
Oct. 1	J. Murphy .....	Brick laying .....	350.00
10	Woodward & Lothrop .....	Water cooler and stand .....	9.65
	Rudolph, West & Co. ....	Nails .....	12.16
12	Standard Oil Co. ....	Gasoline .....	6.96
	Barber & Ross .....	Iron, etc. ....	.60
	Leidy S. Depue .....	Oats .....	45.00
	Louis Hartig .....	Iron, etc. ....	7.42
	The Falls Church Telegraph and Telephone Co. ....	Messages .....	6.60
	National Mortar Co. ....	Cement .....	31.50
	J. & H. Acheson .....	Iron plates .....	15.60
14	The Monumental Iron and Metal Co. ....	Shafting, etc. ....	28.00
	Church & Stephenson .....	Lumber .....	12.10
	Delano & Moore .....	Photo supplies .....	10.95
22	Harder Manufacturing Co. ....	Silo .....	200.00
	H. K. Field & Co. ....	Door frames, etc. ....	14.60
	The Silver Manufacturing Co. ....	Chain, etc. ....	9.50
29	L. C. Corbett .....	Expenses .....	121.50
31	L. C. Corbett et al. ....	Salaries .....	988.25
Nov. 13	F. W. Bolgiano & Co. ....	Bolts .....	3.85
	Delano & Moore .....	Solio prints .....	1.05
23	L. C. Corbett .....	Traveling expenses .....	23.54
30	L. C. Corbett et al. ....	Salaries .....	895.70
Dec. 1	District of Columbia Paper Manufacturing Co. ....	Herbarium paper .....	14.40
	Thos. R. Riley .....	Lumber .....	26.69
	do .....	do .....	37.20



## 252 EXPENDITURES IN DEPARTMENT OF AGRICULTURE.

Expenditures of the Department of Agriculture for fiscal year ending June 30, 1904—Cont'd.

## ARLINGTON EXPERIMENTAL FARM—Continued.

Date.	Name.	Nature of payment.	Total.
1903.			
Dec. 1	H. C. Yohe	Mule	\$105.00
	National Mortar Co.	Cement	21.00
	Geo. F. Muth & Co.	Lead	8.12
	National Electrical Supply Co.	Blocks, etc.	9.49
	W. H. May & Son	Cultivator	28.50
	do.	Slings, etc.	22.00
	do.	Wheelbarrows, etc.	15.80
	do.	Rake	22.00
	Rudolph, West & Co.	Hardware	20.10
	Thos. Somerville & Sons	Pipe, etc.	190.14
	Church & Stephenson	Lumber	50.18
	do.	Shingles, etc.	333.00
	E. G. Schafer & Co.	Pipe, etc.	17.40
	do.	Plumbers' supplies	31.01
2	The Silver Manufacturing Co.	Shredder blades	3.93
	The Falls Church Telegraph and Telephone Co.	Telephone service	6.10
	Thos. Meehan & Sons	Peach pits	2.55
	J. T. Walker Sons	Flue	6.00
	do.	Flue and paper	36.50
	The National Mortar Co.	Cement	10.50
	Wm. Walters Son	Shafts	6.00
3	The Challenge Wind Mill and Feed Mill Co.	Grinder	20.00
8	Cleveland, Cincinnati, Chicago and St. Louis Rwy.	Passenger transportation	17.50
	Pennsylvania R. R. Co.	do.	9.15
	New York, New Haven and Hartford R. R. Co.	do.	10.50
10	J. Murphy	Brick laying	31.00
	J. T. Walker Sons	Flue	1.50
	Leidy S. Depue	Feed	60.50
	W. T. Walker Brick Co.	Brick	400.00
11	E. G. Schafer & Co.	Pipe, etc.	21.01
	Rudolph, West & Co.	Hardware	24.28
14	Church & Stephenson	Lumber	43.30
	Nagle Engine and Boiler Works	Boilers	139.00
	W. H. May & Son	Hardware	5.60
	Herbert Bryant	Wire	3.96
16	The Falls Church Telegraph and Telephone Co.	Telephone service	2.90
	J. Murphy	Brick laying	38.50
17	Delano & Moore	Lantern slides	2.74
23	L. C. Corbett	Expenses	30.00
29	Henry K. Field	Doors, etc.	174.00
	The C. J. McCubbin Co.	Ferrules	1.40
31	L. C. Corbett	Salaries	669.40
	Total second quarter		5,524.38
1904.			
Jan. 2	Archibald Thompson	Carpenter work	260.00
7	E. G. Schafer & Co.	Materials, waterworks	11.00
	do.	Pipe	5.26
	do.	do.	21.62
	Woodward & Lothrop	Jar, etc.	2.35
	Thos. Somerville & Sons	Pump	7.58
8	Wilfong & Fawcett	Plastering	442.20
12	Standard Oil Co.	Gasoline	7.54
	G. G. Boteler	Muzzles, etc.	8.50
	H. K. Field & Co.	Building materials	32.66
	Francis Miller	Turpentine	1.10
	Thos. R. Riley	Lumber	5.78
18	Church & Stephenson	do.	33.40
	Louis Hartig	Horseshoes, etc.	26.38
	J. & H. Atcheson	Pulleys, etc.	18.04
25	New York Central and Hudson River R. R. Co.	Passenger transportation	7.46
	Pennsylvania R. R. Co.	do.	19.55
	Archibald Thompson	Carpenter work	20.00
26	W. H. May & Son	Slings	12.00
	Delano & Moore	Photo supplies	1.14
27	Rudolph, West & Co.	Hinges, etc.	21.46
	James B. Lambie Co. (Incorporated)	Wire	.88
31	L. C. Corbett et al.	Salaries	570.50
Feb. 3	Geo. F. Muth & Co.	Oil finish	7.80
	The Geo. W. Knox Express Co.	Passenger transportation	1.36
	Z. D. Gilman	Weights	1.00
	Chesapeake and Potomac Telephone Co.	Telephone service	.20
4	L. C. Corbett	Expenses	6.00
6	W. R. Beattie	do.	64.29

Expenditures of the Department of Agriculture for fiscal year ending June 30, 1904—Cont'd.

## ARLINGTON EXPERIMENTAL FARM—Continued.

Date.	Name.	Nature of payment.	Total.
1904.			
Feb. 6	W. R. Beattie	Traveling expenses	\$17.75
9	M. Du Perow	Switch	.52
17	Delano & Moore	Photo supplies	1.39
23	Wolf Bros	Jute	5.30
24	Thos. Somerville & Sons	Pipe, etc.	24.26
	.....do	Plumbing	58.47
	The Falls Church Telephone and Telegraph Co	Telephone service	6.40
29	L. C. Corbett et al	Salaries	509.86
Mar. 3	E. Morrison Paper Co	Paper	24.00
	.....do	.....do	9.72
	National Electrical Supply Co	Pulley	1.25
	John C. Rau	Batteries	2.70
5	Maccreery & Co	Hay	182.81
	Thos. Meehan & Sons	Apple stocks	10.60
	Union Envelope Co	Envelopes	2.78
11	Rudolph, West & Co	Brushes, etc	2.10
	H. Baader	Stovepipe and elbows	4.60
18	W. J. Zeh	Coal	16.59
22	Hugh Reilly	Paint	.64
	The Falls Church Telephone and Telegraph Co	Service	2.30
24	Blue Line Transfer Co	Transportation	.50
	Library Bureau	Book supports	1.20
	National Electric Supply Co	Pulley, etc	1.05
	National Mortar Co	Cement	6.24
	United States Express Co	Transportation	.25
	United States Envelope Co	Envelopes	2.48
31	L. C. Corbett et al	Salaries	591.00
	Total		3,103.31
Apr. 9	E. G. Schafer & Co	Pipe	15.19
20	The G. W. Knox Express Co	Transportation	.62
	J. H. Catts	Horses	300.00
	N. H. Burke	Mules	432.00
	C. T. Goods	Horses	300.00
30	E. C. Butterfield et al	Salaries	133.50
	Isaac Klinkett	Salary	36.75
	Tibbitt Allen	.....do	39.00
	Jno. C. Gordon	.....do	39.00
	J. W. Kelley	.....do	37.50
	Geo. O. Minor	.....do	34.50
May 4	The Falls Church Telephone and Telegraph Co	Service	3.50
6	National Mortar Co	Cement	15.86
	National Electric Supply Co	Hydraulic ram	11.00
	Mackall Bros	Formaldehyde	.76
7	C. E. Butterfield	Traveling expenses	10.26
9	C. T. Goods	Mules	300.00
12	S. Kann's Sons & Co	Bowl and pitcher	.79
	J. Murphy	Labor	3.65
13	United States Envelope Co	Envelopes	2.52
	Challenge Wind Mill and Feed Mill Co	Grinding rings	1.75
	L. S. Depue	Oats	22.50
16	Conrad Becker	Reins	3.00
19	National Electric Supply Co	Glass balls	4.50
	E. Morrison Paper Co	Jackets	4.25
26	J. & H. Aitcheson	Feed cutter	3.50
June 3	J. M. Thorburn & Co	Seeds	.35
	Francis Miller	Oil	2.30
	J. E. Hurley	Repairs to pump	2.75
	H. K. Field & Co	Lumber	21.00
	The Falls Church Telephone and Telegraph Co	Service	2.90
	Church & Stephenson	Lumber	56.10
	F. W. Balgiano & Co	Harrow	14.50
	.....do	Seed, etc	5.40
	American Writing Machine Co	Paper	9.50
6	Maccreery & Co	Hay	199.52
	National Electric Supply Co	Wire	5.60
8	M. B. Waite	Potato plant	7.50
20	Rudolph, West & Co	Bolts	31.72
	The Falls Church Telephone and Telegraph Co	Service	4.00
	H. K. Field & Co	Screens	43.90
	Delano & Moore	Photo supplies	3.54
	F. W. Balgiano & Co	Plow	10.50
	Western Union Telegraph Co	Service	.22
30	Cornelius Syphax	Salary	10.50
	Total fourth quarter		2,187.70

Expenditures of the Department of Agriculture for fiscal year ending June 30, 1904—Cont'd.

## ARLINGTON EXPERIMENTAL FARM—(continued).

Date.	Name.	Nature of payment.	Total.
<i>Supplemental.</i>			
1904.			
July 18	L. C. Corbett .....	Traveling expenses .....	\$7.20
	do .....	Expenses .....	69.50
	J. Murphy .....	Labor .....	10.95
19	The H. E. Newbury Co. ....	Bulbs .....	10.60
20	The G. W. Knox Express Co. ..	Transportation .....	3.52
	Rudolph, West & Co. ....	Pulls .....	1.44
Aug. 2	L. C. Corbett .....	Expenses .....	83.50
3	The Falls Church Telephone and Telegraph Co	Rental and calls .....	4.90
16	W. R. Beattie .....	Expenses .....	17.87
17	W. H. Muth & Co. ....	White lead .....	3.19
	do .....	Lead .....	3.19
26	Adams Express Co. ....	Transportation .....	1.80
	Total .....		217.06

## RECAPITULATION.

Total first quarter .....	\$3,934.84
Total second quarter .....	5,524.38
Total third quarter .....	3,103.31
Total fourth quarter .....	2,187.70
Total supplemental .....	217.06
Total .....	14,967.29

## TEA CULTURE INVESTIGATIONS.

Date.	Name.	Nature of payment.	Total.
1903.			
July 31	E. E. Hicks .....	Salary .....	\$84.20
Aug. 3	J. H. Kinsler .....	do .....	84.20
19	Geo. F. Mitchell .....	do .....	40.40
	L. R. Gadsden .....	do .....	25.00
31	E. E. Hicks .....	do .....	84.20
Sept. 3	J. H. Kinsler .....	Expenses .....	5.80
4	C. U. Shepard .....	Tea .....	316.25
9	J. H. Kinsler .....	Salary .....	84.20
11	G. F. Mitchell .....	do .....	40.40
	L. R. Gadsden .....	do .....	25.00
17	C. U. Shepard .....	Expenses .....	95.74
30	E. E. Hicks et al. ....	Salaries .....	132.04
	Total first quarter .....		1,017.43
Oct. 2	J. H. Kinsler .....	Salary .....	81.60
9	L. R. Gadsden .....	do .....	25.00
	G. F. Mitchell .....	do .....	19.37
16	Charles U. Shepard .....	Expenses .....	18.75
	do .....	do .....	35.37
22	G. M. Davis & Son .....	Cylinder .....	31.15
	The Bailey-Lebby Co. ....	Iron rings, etc. ....	35.00
	do .....	Shaft, etc. ....	42.59
	Emil Greiner .....	Thermometers .....	6.00
23	The Bailey-Lebby Co. ....	Wheels, shafts, etc. ....	29.73
	R. S. Long .....	Apparatus .....	78.60
29	Charles U. Shepard .....	Expenses .....	21.85
31	E. E. Hicks et al. ....	Salaries .....	141.50
Nov. 3	J. H. Kinsler .....	Salary .....	84.20
6	Charles U. Shepard .....	Expenses .....	20.05
10	L. R. Gadsden .....	Salary .....	25.00
30	E. E. Hicks et al. ....	Salaries .....	137.00
Dec. 1	Geo. F. Mitchell .....	Salary .....	79.60
	R. Carter Ballantyne .....	Pen carbon books .....	3.76
2	Fimer & Amend .....	Weights, etc. ....	6.20
	Chas. U. Shepard .....	Tea seed .....	75.00
3	R. S. Long .....	Material and labor .....	8.80
4	J. H. Kinsler .....	Salary .....	81.60
8	L. R. Gadsden .....	do .....	25.00
	G. F. Mitchell .....	Traveling expenses .....	5.75
14	Woodward & Lothrop .....	Tea balls .....	1.38
29	The Bailey-Lebby Co. ....	Wire cloth .....	9.90
31	E. E. Hicks et al. ....	Salaries .....	141.50
	Total second quarter .....		1,269.45



Expenditures of the Department of Agriculture for fiscal year ending June 30, 1904—Cont'd.

TEA CULTURE INVESTIGATIONS—Continued.

Date.	Name.	Nature of payment.	Total.
1904.			
Jan. 2	John H. Kinsler	Salary	\$84.20
6	L. R. Gadsden	do	25.00
25	Stewart, McLeod & Co.	Machinery	34.93
26	Adams Express Co.	Transportation	16.25
	Edw. Kremers	Salary	604.20
31	E. E. Hicks et al.	Salaries	184.00
Feb. 2	J. H. Kinsler	Salary	85.20
11	L. R. Gadsden	do	25.00
12	I. P. Roosa	Expenses	12.34
	do	do	7.79
13	J. H. Kinsler	do	75.12
20	do	Transportation	104.84
23	Mallinckrodt Chemical Works	Salts	1.15
27	Western Union Telegraph Co.	Service	3.39
29	E. E. Hicks et al.	Salaries	172.00
Mar. 2	J. H. Kinsler	Salary	79.60
3	J. T. Walker Sons	Sand	1.00
	M. Du Perow	Supplies	2.77
	Z. D. Gilman	Bottles	3.53
4	L. R. Gadsden	Salary	25.00
	A. P. Borden & Co.	Lumber	251.00
	Henry Heil Chemical Co.	Pipettes	1.48
5	Library Bureau	Cards	10.55
	Merck & Co.	Chemicals	2.28
	Queen & Co. (Incorporated)	Alcohol	11.00
10	J. H. Kinsler	Expenses	154.52
11	Eimer & Amend	Funnels	11.53
17	Atlantic Coast Line R. R. Co.	Passenger transportations	15.85
18	New York, Texas and Mexico Rwy. Co.	do	115.78
	Southern Rwy. Co.	do	15.05
	Texas and New Orleans R. R. Co.	Passenger transportation	28.85
21	Whitall Tatum Co.	Tube	2.41
22	R. D. Trimble	Traveling expenses	18.30
31	E. E. Hicks et al.	Salaries	344.10
	Total, third quarter		2,529.96
Apr. 4	Jno. H. Kinsler	Salary	85.20
11	The Bailey Leiby Co.	Repairing dies	10.25
12	C. S. Pitcher	Valve	19.85
14	Mackall Bros.	Ether, etc	13.12
	Woodward & Lothrop	Clock	1.50
18	G. F. Mitchell	Traveling expenses	7.75
19	Jas. Scott & Sons	Bagging	106.25
	L. R. Gadsden	Salary	25.00
	H. J. Greene	Thermometers	7.00
20	Southern Rwy. Co.	Passenger transportation	66.10
	do	do	14.55
	Washington-Southern Rwy. Co.	do	15.85
	do	do	15.85
29	Edw. Kremer	Expenses	13.53
	J. H. Kinsler	do	18.80
30	E. E. Hicks et al.	Salaries	253.90
May 4	J. H. Kinsler	Salary	82.40
6	Whitall Tatum Co.	Bottles	7.45
7	I. P. Roosa	Duty on tea machinery	470.84
11	L. R. Gadsden	Salary	25.00
	J. H. Kinsler	Expenses	32.60
	G. F. Mitchell	Salary	44.51
12	W. T. Richtmann	Traveling expenses	15.60
13	Western Union Telegraph Co.	Service	.30
18	Atlantic Coast Line R. R. Co.	Passenger transportation	15.85
23	A. T. Borden	Expenses	76.05
25	Chas. U. Shepard	do	48.39
31	E. E. Hicks et al.	Salaries	262.20
June 3	C. S. Pitcher	Woven wire	72.50
	Geo. Truessedell	Spring water	1.00
11	L. R. Gadsden	Salary	25.00
	G. F. Mitchell	do	51.00
	J. H. Kinsler	do	85.20
20	Adams Express Co.	Transportation	5.00
	C. S. Pitcher	Wire	18.12
29	Adams Express Co.	Transportation	.80
30	E. E. Hicks et al.	Salaries	253.90
	Total, fourth quarter		2,268.21

Expenditures of the Department of Agriculture for fiscal year ending June 30, 1904—Cont'd.

## TEA CULTURE INVESTIGATIONS—Continued.

Date.	Name.	Nature of payment.	Total.
1904.	<i>Supplemental.</i>		
July 2	J. H. Kinsler	Salary	\$82.40
5	Chas. U. Shepard	Expenses	35.53
9	G. F. Mitchell	Salary	49.50
11	L. R. Gadsden	do	25.00
15	Chas. U. Shepard	Expenses	27.30
19	A. H. Thomas Co	Flasks	9.54
	The Bailey Lebby Co	Wire	46.75
23	J. H. Kinsler	Expenses	43.95
	Pennsylvania R. R. Co	Passenger transportation	10.00
26	A. P. Borden	Expenses	36.30
Aug. 3	F. H. Finley & Son	Distilled water	2.50
11	H. E. Juenemann	Traveling expenses	4.00
17	The Chesapeake and Potomac Telegraph Co.	Service	.30
18	McLeod Russel & Co.	Cablegram	6.25
	Marshall Sons & Co.	Tea drier	1,046.30
26	Western Union Telegraph Co.	Service	.40
Sept. 19	Chicago and Northwestern Rwy. Co.	Transportation	23.68
20	Adams Express Co.	do	3.75
	Total		1,454.05

## RECAPITULATION.

Total, first quarter	\$1,017.43
Total, second quarter	1,269.45
Total, third quarter	2,529.96
Total, fourth quarter	2,268.21
Supplemental	1,454.05
Total	8,539.10

## PURCHASE AND DISTRIBUTION OF VALUABLE SEEDS.

Date.	Name.	Nature of payment.	Total.
1903.			
July 17	Capital Traction Co	Car tickets	\$10.00
23	H. A. Dreer (Incorporated)	Vegetable seeds	5.99
	J. M. Lupton	Seeds	7.00
27	J. M. Thorburn & Co	do	70.40
28	Chas. P. Braslan	do	4,569.40
29	National Electrical Supply Co	Desk fan	10.50
	do	Electrical supplies	1.00
	E. J. Pullman	do	.90
31	A. J. Pieters et al	Salaries	3,753.24
Aug. 1	W. W. Tracy, sr	Salary	282.70
	E. Q. Knight	do	60.00
	G. W. Churchill	do	25.00
4	W. W. Tracy, sr	Traveling expenses	60.64
	A. J. Pieters	do	10.25
	Wyckoff, Seamans & Benedict	Typewriter	90.00
	do	Adjusting machine	2.90
	E. P. Hazelton	Bicycle tire	3.00
	do	Vulcanizing tire	.75
	M. Du Perow	Tubes, etc	7.44
5	G. P. McCabe	Traveling expenses	10.45
7	E. P. Hazelton	Tires	6.00
10	Comstock, Ferre & Co.	Seeds	800.00
12	H. McC. Dowdy	Report on varieties of corn	28.00
13	David Bisset	Plants	80.00
14	J. A. Pierpoint	Scoops	1.50
15	Francis Miller	Glass	.73
17	Emil Geimer	Graduate glass	.80
	C. R. Hudson	Services	15.00
	The Okonite Co. (Limited)	Wire	50.00
	F. R. Pierson	Bulbs	1.20
	Queen & Co. (Incorporated)	10 pounds of soda	646.80
	J. M. Thorburn & Co	Seeds	7,645.63
	C. C. Morse & Co	do	1,976.85
	Charles Parker	do	860.00
	F. Barteldes & Co.	Melon seed	764.00
	Waldo Rohmert	Seeds	1.95
18	Woodward & Lothrop	Hat rack	750.00
19	T. W. Wood & Son	Seeds	750.00
	J. M. Lupton	do	7,071.75

Expenditures of the Department of Agriculture for fiscal year ending June 30, 1904—Cont'd.

## PURCHASE AND DISTRIBUTION OF VALUABLE SEEDS—Continued.

Date.	Name.	Nature of payment.	Total.
1903.			
Aug. 19	H. C. and J. B. Agnew.....	Seeds.....	\$1,800.00
20	Barber & Ross.....	Cups.....	6.78
21	Capital Traction Co.....	240 car tickets.....	10.00
	F. P. May & Co.....	Hatchet, etc.....	2.85
27	Jas. B. Lambie.....	Mouse traps.....	2.00
31	A. J. Pieters et al.....	Salaries.....	3,428.73
Sept. 1	W. W. Tracy, sr.....	Salary.....	252.70
	Alfred C. Garton.....	do.....	26.90
	J. E. W. Tracy.....	do.....	117.90
	E. Q. Knight.....	do.....	60.00
	G. W. Churchill.....	do.....	25.00
3	B. T. Galloway.....	Traveling expenses.....	1.00
4	Potomac Electric Power Co.....	Electric current.....	12.63
	Washington Gaslight Co.....	Gas.....	.80
8	A. T. Pieters.....	Traveling expenses.....	46.48
9	Yawman & Erbe Manufacturing Co.....	File sections, etc.....	97.50
10	J. C. Parker.....	Eyelet machine, etc.....	8.50
	E. S. Schmid.....	Paper boxes.....	22.00
	J. H. Bunnell & Co.....	Sockets.....	1.95
	Currie Bros.....	Seeds.....	12.66
11	The Cleveland Seed Co.....	do.....	905.87
	Northrup, King & Co.....	Beets.....	280.00
14	W. W. Tracy, sr.....	Traveling expenses.....	13.95
	do.....	do.....	62.93
16	E. A. Burnett.....	Expenses.....	71.50
17	H. McC. Dowdy.....	Report on vegetables.....	24.00
18	Pennsylvania R. R. Co.....	Passenger transportation.....	14.25
	Delano & Moore.....	Film, etc.....	2.15
19	Detroit and Cleveland Navigation Co.....	Passenger transportation.....	7.00
21	Church & Stephenson.....	Sashes, etc.....	86.50
	Rudolph, West & Co.....	Locks.....	2.90
	E. G. Schafer & Co.....	Hose, bibb, etc.....	.84
24	J. M. Lupton.....	Seeds.....	1,505.00
	Dayton Fruit Tree Label Co.....	Tree labels.....	99.20
	Church & Stephenson.....	Lumber.....	66.00
	W. H. Morehouse & Co.....	Alfalfa seed.....	110.22
	Henry Nungesser.....	Vicia vallosa.....	75.00
	Automatic Regulator Co.....	Paper, etc.....	49.20
	American Writing Machine Co.....	Typewriter paper.....	38.00
	Lamb & Tilden.....	Numbering machine.....	35.00
	E. Howard Clock Co.....	Dials.....	9.60
	Francis Miller.....	Lights.....	3.21
	Vaughan's Seed Store.....	Vegetable seeds.....	2.65
24	Weeber & Don.....	do.....	2.40
	D. M. Ferry & Co.....	do.....	2.20
	J. M. Thorburn & Co.....	do.....	2.07
	Peter Henderson & Co.....	do.....	1.80
28	N. L. Willet Drug Co.....	do.....	850.00
	F. Barteldes.....	Alfalfa seed.....	135.80
	E. A. Burnett.....	Expenses.....	59.50
	Edward L. Coy.....	Traveling expenses.....	12.25
	C. C. Bateman.....	do.....	62.58
	C. F. Wheeler.....	do.....	107.82
	Cox Seed Co.....	Beans.....	442.20
30	A. J. Pieters et al.....	Salaries.....	3,581.84
	Total, first quarter.....		44,324.58
Oct 1	Geo. P. McCabe.....	Traveling expenses.....	9.95
2	W. W. Tracy, sr.....	Salary.....	244.60
	J. E. W. Tracy.....	do.....	114.20
3	A. J. Pieters.....	Traveling expenses.....	5.40
5	G. W. Churchill.....	Salary.....	25.00
	E. Q. Knight.....	do.....	60.00
8	John C. Parker.....	Cards.....	17.00
10	Washington Gaslight Co.....	Gas, September.....	.60
	do.....	Gas, August.....	.60
	The Geo. W. Knox Express Co.....	Transportation.....	.80
	Woodward & Lothrop.....	Water coolers.....	9.65
	Potomac Electric Power Co.....	Electric current.....	13.30
	Rudolph, West & Co.....	Screws, etc.....	60.84
	Potomac Electric Power Co.....	Electric current.....	11.73
12	J. T. Walker Sons.....	Felt.....	18.00
	M. Du Perow.....	Clusters, etc.....	5.96
	F. W. Bolgiano & Co.....	Oats.....	35.00
	do.....	Seeds.....	5.07
	J. M. Kimberlin & Co.....	do.....	600.00
	The Oliver Typewriter Co.....	Typewriter.....	75.00



*Expenditures of the Department of Agriculture for fiscal year ending June 30, 1904—Cont'd.*

## PURCHASE AND DISTRIBUTION OF VALUABLE SEEDS—Continued.

Date.	Name.	Nature of payment.	Total.
1903.			
Oct. 14	The E. F. Brooks Co.....	Radiator, etc.....	\$41.75
	Delano & Moore.....	Photo supplies.....	3.70
	E. Morrison Paper Co.....	Paper.....	12.00
	Church & Stephenson.....	Sawdust.....	3.00
	Thos. R. Riley.....	Lumber.....	3.78
	C. M. Woolf & Co.....	Buckwheat hulls.....	12.46
	M. Du Perow.....	Electrical supplies.....	1.70
19	E. M. Byrnes.....	Traveling expenses.....	5.20
	S. A. Knapp.....	Expenses.....	71.65
21	Thomas D. George.....	Papering.....	20.00
23	Geo. P. McCabe.....	Traveling expenses.....	26.85
	The International Postal Supply Co. of New York.....	Rent machine.....	100.00
	Nicholas Le Page.....	Bulbs.....	28.50
	Henry A. Dreer (Incorporated).....	do.....	100.00
	W. Atlee Burpee & Co.....	Seeds.....	1.88
	The Okonite Co.....	Wire.....	3.00
	E. H. Morrison.....	Seeds.....	258.30
	Chas. Montague.....	do.....	15.00
	J. M. Thorburn & Co.....	do.....	11.00
	do.....	do.....	5.21
	C. R. Hudson.....	Work on cotton.....	34.00
	Capital Traction Co.....	Fare tickets.....	10.00
	Thos. Somerville & Sons.....	Pipe, etc.....	12.14
28	W. W. Tracy, sr.....	Traveling expenses.....	124.05
	Thomas Ragan.....	Manure.....	15.00
	The Chesapeake and Potomac Telephone Co.....	Telephone service.....	6.25
29	W. W. Long.....	Traveling expenses.....	13.95
	S. A. Knapp.....	Expenses.....	67.60
31	New York Central and Hudson River R. R. Co.....	Passenger transportation.....	11.07
	do.....	do.....	6.00
	Michigan Central R. R. Co.....	do.....	13.40
	Newport and Wickford R. R. and Steamboat Co.....	do.....	3.24
	A. J. Pieters et al.....	Salaries.....	3,722.85
Nov. 3	J. E. W. Tracy.....	Salary.....	117.90
	G. W. Churchill.....	do.....	25.00
	W. W. Tracy, sr.....	do.....	252.70
4	E. Q. Knight.....	do.....	60.00
6	Wheeler & Wilson Manufacturing Co.....	Rent of machine.....	3.00
10	Goldsmith Co.....	Signs.....	10.00
11	C. C. Bateman.....	Traveling expenses.....	42.40
13	J. L. Crupper.....	Door.....	2.50
	R. P. Andrews & Co. (Incorporated).....	Paper.....	13.14
	Barber & Ross.....	Label holders.....	37.50
	M. Du Perow.....	Switch.....	.85
14	B. T. Galloway.....	Traveling expenses.....	49.95
17	Edward L. Coy.....	do.....	12.25
19	James W. Wilson.....	Expenses.....	90.10
	Edward L. Coy.....	Cultivation cucumbers.....	275.00
20	J. M. Beavers.....	Barrels.....	3.75
	Chas. E. Pruntz.....	Grass seed.....	450.00
	D. M. Ferry & Co.....	Seed.....	40.00
	Henry F. Mitchell.....	Bulbs.....	100.00
	Thomas Meehan & Sons.....	Plants.....	12.25
	C. J. Speelman & Sons.....	Bulbs.....	1,247.27
	John W. Macrae Smith.....	do.....	103.20
21	W. B. Moses & Sons.....	Bookcases, etc.....	14.65
	Potomac Electric Power Co.....	Lamps.....	1.28
23	O. G. Hempstead & Co.....	Seeds.....	11.00
	C. R. Hudson.....	Services.....	12.00
	S. A. Knapp.....	Expenses.....	101.10
24	Robert McLennan.....	Traveling expenses.....	17.71
25	S. A. Knapp.....	do.....	129.43
27	W. H. Morehouse & Co.....	Seed.....	144.07
30	E. A. Burnett.....	Expenses.....	20.00
	do.....	do.....	44.00
	W. W. Tracy, sr.....	Salary.....	244.60
	A. J. Pieters et al.....	Salaries.....	3,640.29
Dec 1	Wm. J. Zeh.....	Coal.....	397.00
	The Chesapeake and Potomac Telephone Co.....	Telephone service.....	1.20
	do.....	do.....	2.75
	Potomac Electric Power Co.....	Electric current.....	3.76
	Thos. R. Riley.....	Lumber.....	8.85
	M. Du Perow.....	Electric supplies.....	2.55
	do.....	do.....	2.10
	Pope Manufacturing Co.....	Tire, etc.....	5.00
	do.....	Repairs.....	3.06

Expenditures of the Department of Agriculture for fiscal year ending June 30, 1904—Cont'd.

## PURCHASE AND DISTRIBUTION OF VALUABLE SEEDS—Continued.

Date.	Name.	Nature of payment.	Total.
1903.			
Dec. 1	Pope Manufacturing Co.	Bars	\$0.75
	F. W. Bolgiano & Co.	Seeds	1.80
	Brentanos	Pen.	4.00
	do	do	6.50
	do	Memorandum books	5.82
	do	Pen.	2.50
	Hugh Reilly	Brushes	1.50
	Rudolph, West & Co.	Hand cart	7.40
	Woodward & Lothrop	Desks, etc	73.09
	Edw. S. Schmid	Moss	2.10
	Church & Stephenson	Lumber	179.70
	Thos. Somerville & Sons	Traps	28.30
	E. Morrison Paper Co.	Pencils	.60
	Clark & Davenport	Rug	27.50
	do	do	37.50
	Francis Miller	Glass	3.90
	National Electrical Supply Co.	Electrical supplies	10.08
	Washington Gaslight Co.	Gas	1.00
	James B. Lambie Co. (Incorporated)	Broom	1.25
	do	Belting	5.75
	do	Hangers, etc	3.33
	do	Brooms	1.73
2	Pope Manufacturing Co.	Vulcanizing tire	.50
	John W. Macrae Smith	Bulbs	5.00
	L. L. May & Co.	Seed	6.70
	W. Atlee Burpee & Co.	do	5.00
	Peter Henderson & Co.	Violets, etc.	38.86
	Henry A. Dreer (Incorporated)	Plants	296.20
	do	Bulbs	36.00
	Thos. Meehan & Sons	Plants	211.95
	do	Coffee plants	8.61
	Oliver Typewriter Co.	Repairing typewriter	3.00
	Wheeler & Wilson Manufacturing Co.	Rent machine	3.00
	J. Baumgarten & Sons	Daters	10.80
	R. P. Andrews & Co. (Incorporated)	Clips	9.59
	J. B. Espey	Spring	2.00
	C. M. Woolf & Co.	Buckwheat hulls	12.40
	Kellogg Switchboard and Supply Co.	Desk stand	11.25
	T. W. Wood & Sons	Seeds	9.25
	do	do	15.60
	T. S. Williams	Use land, etc.	175.00
	Randolph Paper Box Co.	Boxes	186.00
	M. Cushman & Co.	Seed	146.24
	W. S. Hull	Salary	50.00
3	D. S. Bliss	Traveling expenses	2.50
	Robert Craig & Son	Plants	93.00
	C. Wesley Coy	Drawings	24.00
	W. A. Manda (Incorporated)	Plants	42.50
	P. J. Berekman Co.	Grapevines	109.70
	Nicholas Le Page	Packing, etc.	1.60
	Wm. K. Harris	Pots of plants	165.00
	The Albert Dickinson Co.	Seeds	12.87
	The Draper Manufacturing Co.	Thermometers	80.00
	G. L. Taber	Grapevines	71.50
	Aug. Rhotert	Raffia	19.94
	F. W. Galehouse	Seeds	37.57
	E. H. Purdy	do	31.90
	F. H. Schule Co.	Separator	150.00
	Slaymaker & Son	Strawberry plants	261.78
4	S. A. Knapp	Expenses	60.75
	do	Salary	163.00
	Chas. D. Woods	Expenses	6.56
	E. Q. Knight	Salary	60.00
	G. W. Churchill	do	25.00
8	Boston and Maine R. R.	Passenger transportation	4.04
	California Northwestern Rwy. Co.	do	3.00
	do	do	6.00
	Southern Rwy. Co.	do	27.50
	The Chesapeake and Ohio Rwy. Co.	do	77.00
	Pennsylvania R. R. Co.	do	25.90
	do	do	4.00
	Missouri, Kansas and Texas Rwy. Co.	do	4.35
10	T. Steineger	Translating	12.00
11	Brentanos	Pen	5.00
	The Geo. W. Knox Express Co.	Transportation	54.57
	do	do	135.58
14	Hamilton Adams	Tags	6.00
	Capital Traction Co.	Tickets	10.00
	Columbia National Sand Dredging Co.	Sand	10.00

Expenditures of the Department of Agriculture for fiscal year ending June 30, 1904—Cont'd

## PURCHASE AND DISTRIBUTION OF VALUABLE SEEDS—Continued.

Date.	Name.	Nature of payment.	Total.
1903. Dec. 14	Church & Stephenson	Lumber	\$30.56
	do	do	14.00
	do	do	6.72
	Vilmorin, Andreux & Co	Seed	493.68
	Schroeder & Arguimbon	Tobacco seed	600.00
	R. Vander Schoot & Son	Bulbs	319.47
	The Stoors & Harrison Co	Fruit trees, etc	56.26
	T. V. Munson & Son	Grapevines	44.00
	Wm. G. Johnston & Co	Blank sheets	16.00
	Bush & Sons	Grapevines	48.00
	Underwood Typewriter Co	Stand	4.25
	Carl Purdy	Bulbs	10.50
15	S. A. Knapp	Expenses	29.29
	do	do	62.00
	do	do	94.70
	Pennsylvania R. R. Co	Transportation	6.32
	do	do	6.94
	Littlefield, Alvord & Co	do	30.54
	Adams Express Co	do	13.76
	Washington Southern Rwy. Co	do	9.00
16	The John C. Grafflin Co	Bags	357.50
	P. J. Berckman Co	Citrus trifoliata	20.00
	C. J. Speelman Sons	Plants	120.50
	The Everett B. Clark Co	Seeds	2.50
	T. S. Hubbard Co	Grapevines	308.60
17	Rudolph, West & Co	Springs, etc	7.43
	James B. Lambie Co. (Incorporated)	Traps	.60
	The Maurice Joyce Engraving Co	Signatures	.50
18	Chicago and Eastern Illinois R. R. Co	Passenger transportation	5.30
	Maine Steamship Co	do	6.00
	Baltimore and Ohio R. R. Co	do	4.37
19	H. Clay Jones	Manure	169.09
	Barr & Sons	Bulbs	73.52
23	A. J. Pieters	Expenses	9.98
26	do	do	27.85
28	Elias L. Rivers	Cotton seed	400.00
29	The John C. Grafflin Co	Socks	71.50
	The Albert Dickinson Co	Seeds	88.75
	J. M. Thorburn & Co	do	1.57
	Henry A. Dreer (Incorporated)	do	16.60
	do	do	2.60
	Hamilton Adams	Fasteners	3.50
	Giddings & Steele	Rugs	13.00
	W. B. Moses & Sons	Bookcases	40.00
	District of Columbia Paper Manufacturing Co	Blotting paper	27.00
	J. E. W. Tracy	Traveling expenses	46.73
31	A. J. Pieters et al	Salaries	3,825.53
	Total second quarter		24,832.12
1904. Jan. 2	W. W. Tracy, sr.	Salary	252.70
	W. S. Hull	do	50.00
5	S. A. Knapp	Expenses	55.24
	E. Q. Knight	Salary	60.00
	G. W. Churchill	do	25.00
6	S. A. Knapp	do	168.50
	do	Expenses	28.80
	do	do	37.20
	Mary A. Austin	Salary	4.52
	F. P. Hardenstein	do	2.42
7	Washington Gaslight Co	Gas	1.40
	Potomac Electric Power Co	Lamps	1.28
	do	Electric current	2.67
	do	do	.30
	E. G. Schafer & Co	Plumbers' supplies	3.50
	W. B. Moses & Sons	Chairs, etc	20.00
	John C. Parker	Stationery supplies	83.93
	Woodward & Lothrop	Clock and shades	15.75
8	J. T. Walker Sons	Felt	18.00
	National Window and Office Cleaning Co	Cleaning windows	5.10
	Underwood Typewriter Co	Stand	4.25
	W. J. Zeh	Coal	397.00
11	B. T. Galloway	Traveling expenses	39.20
12	H. Clay Jones	Manure	105.93
	M. Du Perow	Electric supplies	8.30
14	Chas. P. Braslan	Seeds	1,055.60
	do	do	1,767.80
15	The Brown Bag Filling Machine Co	Putting up seed	6,175.65



Expenditures of the Department of Agriculture for fiscal year ending June 30, 1904—Cont'd.

## PURCHASE AND DISTRIBUTION OF VALUABLE SEEDS—Continued.

Date.	Name.	Nature of payment.	Total.
1904.			
Jan 16	W. K. Harris	Plants	\$51.00
	Charles Parker	Seeds	170.63
	Thomas Maney	Apple scions	9.00
	Robert Gair Co.	Seed packets	79.00
	A. D. Rigden	Seed	25.00
	The Goodwin Harries Co.	do	99.00
	S. A. Knapp	Expenses	45.18
	do	do	40.00
	do	Traveling expenses	48.85
	do	do	26.02
	do	Expenses	35.70
	G. W. Churchill	Salary	12.10
	S. A. Knapp	Expenses	121.50
	W. W. Tracy, sr.	Traveling expenses	32.45
18	Adams Express Co.	Transportation	7.87
	W. H. Dyer	Ash springs	6.00
	E. L. Coy	Seed	80.64
	W. Atlee Burpee	Pepper seed	253.70
	The Henry Philipps Seed and Implement Co.	Seeds	410.40
	August Rhotert	Bulbs	1,001.88
	D. V. Burrell	Seeds	2,020.62
	M. H. Smith & Son	Pepper seed	451.20
	J. M. Thorburn & Co.	Seeds	300.00
	Cox Seed Co.	do	235.96
	T. W. Wood & Sons	do	1,526.75
	John Bodger & Sons	do	1,363.68
	Jones Brothers Co.	do	94.87
19	G. L. Taber	Pecan seedlings	30.00
	J. C. Robinson	Seeds	206.20
	Reasoner Bros.	Plants	5.60
	The Henry Philipps Seed and Implement Co.	Seeds	350.00
	North Pacific Trading Co.	do	3.00
	Thos. Ragan	Manure	20.00
25	Union Pacific R. R. Co.	Passenger transportation	1.56
	New York, New Haven and Hartford R. R. Co.	do	7.00
	do	do	12.25
	E. H. Morrison	Seeds	2,691.30
	do	do	1,080.00
	The Atchison, Topeka and Santa Fe Rwy. Co.	Passenger transportation	4.30
	New York Central and Hudson River R. R. Co.	do	8.87
	Pennsylvania Co.	do	17.50
	Pennsylvania R. R. Co.	do	17.00
	do	do	24.00
	D. V. Burrell	Seeds and bags	2,020.79
	Henry A. Dreer (Incorporated)	Seeds	76.00
	Geo. P. Foaden	do	528.45
	W. K. Harris	Plants	100.00
	Thos. Meehan & Sons (Incorporated)	Seeds	8.98
	Library Bureau	Oak case	18.00
	Queen & Co. (Incorporated)	Carbon bisulphide	6.00
	The Okonite Co. (Limited)	Wire	2.10
26	E. A. Bessey	Salary	53.21
	Bobbink & Atkins	Trees	57.50
	Giddings & Steele	Rugs	6.85
	Jos. W. Walker	Paste	2.25
	Clark & Davenport	Carpet	25.49
	Church & Stephenson	Lumber	116.74
	Delano & Moore	Photo supplies	14.82
	do	Seed plates	6.93
	Woodward & Lothrop	Desk, etc.	51.44
	N. L. Willet Drug Co.	Seeds	413.38
	J. M. Thorburn & Co.	do	14.40
	J. W. Walker	Paste	2.25
27	S. A. Knapp	Expenses	10.20
	Northrup, King & Co.	Seeds	450.00
	J. H. Bunnell & Co.	Shades	4.10
	Capelle Hardware Co.	Seeds	29.32
	Thos. Somerville & Sons	Radiator sections	20.00
	do	Pipe, etc.	11.66
	W. B. Moses & Sons	Denim, etc.	4.25
	do	Chair	7.20
	Rudolph, West & Co.	Latches	8.40
	James B. Lambie Co. (Incorporated)	Weather strip	3.12
	L. L. Hayes	Electric work	30.00
	American Writing Machine Co.	Typewriter paper	38.00
	F. W. Bolgiano & Co.	Seeds	59.21
	Underwood Typewriter Co.	Typewriter	85.00

Expenditures of the Department of Agriculture for fiscal year ending June 30, 1904—Cont'd.

## PURCHASE AND DISTRIBUTION OF VALUABLE SEEDS—Continued.

Date.	Name.	Nature of payment.	Total.
1904.			
Jan. 27	Underwood Typewriter Co	Stands	\$8.50
	Remington Typewriter Co	Brushes	2.50
	Densmore Typewriter Co	Repairs to typewriter	5.15
	Potomac Electric Power Co	Electric current	4.21
	do	Lamps	3.08
	do	do	1.60
28	do	Electric current	.76
	I. P. Roosa	Expenses	16.53
	do	do	10.78
29	Lompoc Produce and Real Estate Co	Seeds	1,646.15
	The J. K. Armsby Co	do	2,649.12
	Smith Premier Typewriter Co	Repairs to typewriter	57.25
	Henry Hell Chemical Co	Sodium	.98
30	The Brown Bag Filling Machine Co	Putting up seeds	6,175.93
31	W. S. Hull	Salary	50.00
Feb. 1	A. J. Pieters et al.	Salaries	4,182.16
	P. H. Dorsett	Salary	98.90
	E. Q. Knight	do	60.00
2	W. W. Tracy, sr.	do	255.50
	A. B. Sloane	do	18.06
3	S. A. Knapp	do	82.42
	Washington Gaslight Co	Gas	1.20
	Smith Premier Typewriter Co	Repairs	6.75
	Potomac Electric Power Co	Lamps	6.24
	James B. Lambie Co. (Incorporated)	Reel box strap	19.60
	The Geo. W. Knox Express Co	Transportation	228.40
	Capital Traction Co	Tickets	10.00
	The Chesapeake and Potomac Telephone Co	Telephone service	6.25
6	Herman Baumgarten	Stamp holders	3.82
9	A. Lamson-Scribner	Traveling expenses	30.00
	American Writing Machine Co	Paper	19.95
	Wm. Ballantyne & Son	Book covers	1.92
	M. Du Perow	Buzzers	2.28
	The Maurice Joyce Engraving Co	Stamp	.50
	F. P. May & Co	Traps	2.50
	Potomac Electric Power Co	Electric current	8.70
	National Electric Supply Co	Shade holders	.50
	E. Morrison Paper Co	Tags	1.50
	Woodward & Lothrop	Desk and cards	37.70
	do	Clocks	20.60
12	Washington Gaslight Co	Gas	1.20
	Peter Fisher	Carnations	60.00
	Henry A. Dreer (Incorporated)	Plants	142.50
	do	Seeds	57.95
	Marx Schaefer	do	700.00
	J. C. Robinson	do	167.00
	G. F. Park	do	180.00
	Northrup, King & Co	do	357.00
	Geo. J. Streator	do	12.00
	J. M. Thorburn & Co	do	72.00
	do	do	2.00
	P. J. Berckmans Co	Grapevines	8.00
	Eugene Bosse	Flaxseed	13.10
	J. H. Bunnell & Co	Shades	2.50
	H. C. & J. B. Agnew	Seeds	23.25
	A. B. Leckenby	do	120.00
	J. M. Lupton	Planting cabbage	97.00
	do	do	26.66
	Kellogg Switchboard Supply Co	Desk set	11.25
	N. B. Keeney & Son	Seeds	1,897.50
	The E. G. Hill Co	Plants	66.50
	United States Envelope Co	Envelopes	45.45
	C. P. Coy & Son	Seeds	262.52
	J. E. Culpepper	do	300.00
13	I. P. Roosa	Expenses	25.34
15	S. A. Knapp	do	30.00
	do	do	117.00
	do	do	5.80
17	The Brown Bag Filling Machine Co	Putting up seeds	6,178.37
	J. M. Thorburn & Co	Seeds	900.00
	Geo. W. Fruitt	do	500.00
	Slate Seed Co	do	67.50
	J. B. Rice Seed Co	do	37.40
	J. W. Newman	do	43.50
	M. Luther Michael	do	907.14
	Lenawee Seed Co	do	375.00
	Jas. T. Jones	do	46.50
	W. A. Denison	Seed testing	328.35
	F. Barteldes & Co	Seeds	

Expenditures of the Department of Agriculture for fiscal year ending June 30, 1904—Cont'd.

PURCHASE AND DISTRIBUTION OF VALUABLE SEEDS—Continued.

Date.	Name.	Nature of payment.	Total.
1904.			
Feb. 17	W. H. Barrett	Seeds	\$364.48
	Baltimore and Ohio R. R. Co.	Transportation	27.50
18	S. A. Knapp	Expenses	10.10
	do	do	52.05
	Washington Southern R. R. Co.	Transportation	.25
	Pennsylvania R. R. Co.	do	2.60
	do	Passenger transportation	13.00
	Florida East Coast Rwy. Co.	do	7.90
23	Yawman & Erbe Manufacturing Co.	Cards	42.00
	T. S. Williams	Seeds	400.00
	Stump & Walter Co.	do	8.80
	Aug. Rhotert	Cuttings	284.76
	Randolph Paper Box Co.	Pamphlet cases	12.00
	M. Knauer	Beet seed	8.00
	W. H. Grenell	Seeds	103.50
	Eberhard Faber	Pencils	3.53
24	W. B. Moses & Sons	Shade, etc.	16.55
	E. Morrison Paper Co.	Files	2.40
	F. P. May & Co.	Trap	.63
	J. Baumgarten & Sons	Rack	.90
	F. W. Balgiano & Co.	Seed	164.55
	Church & Stephenson	Lumber	19.99
	do	do	11.75
	do	do	1.68
	Clark & Davenport	Carpet	22.39
	Remington Typewriter Co.	Typewriter, etc.	92.25
	United States Express Co.	Transportation	97.11
	A. J. Pieters	Traveling expenses	14.70
	do	Expenses	35.50
	W. J. Zeh	Coal	397.00
	T. J. King	Cotton seed	3,220.00
	Western Union Telegraph Co.	Service	17.14
29	A. J. Pieters et al.	Salaries	4,070.22
Mar. 1	W. S. Hull	Salary	50.00
	W. W. Tracy, sr.	do	239.00
	E. Q. Knight	do	60.00
2	Jno. Dee Beck	do	75.81
	P. H. Dorsett	do	179.30
	Fred Stockwell	do	60.00
	A. B. Sloane	do	35.00
	J. S. Jones	do	50.00
3	E. Morrison Paper Co.	Pencils	1.50
	The Mathy Co. (Incorporated)	Tin boxes	17.00
	D. Frank Parker	Typewriter paper	10.20
	Remington Typewriter Co.	Card attachment	2.45
	Yawman & Erbe Manufacturing Co.	Guides	2.75
	J. Baumgarten & Sons	Stamp rack	1.30
	Jas. B. Lambie & Co.	Sieves	2.60
4	Henry Lee	Seeds	30.00
	D. Landreth Seed Co.	do	120.96
	Jones Bros. Co.	do	175.08
	Peter Henderson & Co.	do	60.40
	do	Plants	43.90
	W. H. Grenell	Seeds	688.19
	W. B. Folmar	Cultivating cotton	294.20
	Henry Fish	Beans	2,045.63
	D. M. Ferry & Co.	Seeds	1,131.56
	Henry A. Dreer (Incorporated)	do	88.50
	Bausch & Lomb Optical Co.	Balances etc.	16.50
	G. W. Boynton	Sweet corn	5.00
	S. A. Knapp	Expenses	136.60
	Jas. A. Tanner	Traveling expenses	14.26
5	Stump & Walter Co.	Seeds	323.38
	N. L. Willett Drug Co.	do	380.25
	T. W. Wood & Son	Oats	21.75
	Thos. Meehan & Sons	Apple stock	2.75
	C. C. Morse & Co.	Seeds	28.88
	The Henry Phillips Seed and Improvement Co.	do	28.36
	J. A. Shine	do	1,059.00
	J. M. Thorburn & Co.	do	3.30
9	The Brown Bag Filling Machine Co.	Putting up seeds	6,175.17
	Geo. P. McCabe	Traveling expenses	11.10
11	Washington Gaslight Co.	Gas	1.60
	Yawman & Erbe Manufacturing Co.	Cabinet	18.50
	do	Perforator	1.50
	J. W. Walker	Paste	2.60
	Potomac Electric Power Co.	Current	10.08
	G. W. Churchill	Traveling expenses	12.95



Expenditures of the Department of Agriculture for fiscal year ending June 30, 1904—Cont'd.

## PURCHASE AND DISTRIBUTION OF VALUABLE SEEDS—Continued.

Date.	Name.	Nature of payment.	Total.
1904.			
Mar. 11	American Writing Machine Co. ....	Paper .....	\$9.50
	The Densmore Typewriter Co. ....	Repairs .....	1.06
	Postal Telegraph-Cable Co. ....	Service .....	10.65
	do. ....	do. ....	1.12
	J. E. W. Tracy .....	Traveling expenses .....	20.20
	E. G. Schafer .....	Supplies .....	12.24
	F. Barteldes & Co. ....	Seeds .....	100.00
	C. W. Leffingwell, jr. ....	do. ....	5.60
	Vaughn Seed Store .....	do. ....	182.90
	J. M. Thorburn & Co. ....	do. ....	5,395.55
	T. S. Hubbard Co. ....	Plants .....	66.00
	H. C. Davison .....	Copying books .....	73.10
	Griswold Seed Co. ....	Seeds .....	35.42
17	Baltimore and Ohio R. R. Co. ....	Transportation .....	57.82
	Chicago and Northwestern Rwy. Co. ....	Passenger transportation .....	12.75
18	Missouri, Kansas and Texas Rwy. Co. ....	do. ....	12.20
	Pennsylvania R. R. Co. ....	do. ....	10.00
	do. ....	Transportation .....	22.89
	Blue Line Transfer Co. ....	do. ....	2.03
	W. H. Rupp Co. ....	Note book .....	1.20
	Southern Pacific Co. ....	Passenger transportation .....	12.50
21	T. W. Wood & Sons .....	Beans .....	1.65
	R. Vincent, jr., & Son .....	Plants .....	13.00
	G. L. Tabor .....	do. ....	8.96
	J. M. Thorburn & Co. ....	Seeds .....	35.60
	do. ....	do. ....	7.50
	F. H. Schule Co. ....	Separator, etc. ....	250.00
	I. P. Roosa .....	Shipping plants .....	47.18
	T. H. Reed .....	Seeds .....	28.32
	W. E. Marvin .....	Cultivating alfalfa .....	25.00
	Jno. Jungermann .....	do. ....	25.00
	S. M. Isbell & Co. ....	Seeds .....	28.72
	The E. Howard Clock Co. ....	Keys .....	.90
	Peter Henderson & Co. ....	Seeds .....	11.32
	Fink Bros. Seed Co. ....	do. ....	32.30
	Dayton Fruit Tree Label Co. ....	Stakes .....	10.50
	H. A. Dreer (Incorporated) .....	Seeds .....	14.55
	do. ....	do. ....	4.50
	D. L. Crumpacker .....	do. ....	27.85
22	A. J. Pieters .....	Traveling expenses .....	19.95
	Capital Traction Co. ....	Tickets .....	10.00
	Church & Stephenson .....	Lumber .....	77.50
	F. W. Balgiano & Co. ....	Seeds .....	6.13
	The Alexandria Iron Works .....	Iron supports .....	40.60
	A. V. Stubenranch .....	Traveling expenses .....	73.70
	S. A. Knapp .....	Expenses .....	60.00
	do. ....	do. ....	40.00
	Thos. Somerville & Sons .....	Pipe .....	6.79
24	D. M. Ferry & Co. ....	Flower seeds .....	3.52
	The Geo. W. Knox Express Co. ....	Transportation .....	18.37
	J. M. Lupton .....	Cultivating cauliflower .....	58.63
	C. C. Morse & Co. ....	Seeds .....	153.34
	do. ....	do. ....	1,134.11
	do. ....	do. ....	1,895.37
	Rudolph, West and Co. ....	Door check, etc. ....	2.04
	Thos. Somerville & Sons .....	Radiator section .....	6.25
	United States Envelope Co. ....	Envelopes .....	3.83
	Waldo Rohnert .....	Seeds .....	1,032.15
26	Yawman & Erbe Manufacturing Co. ....	Cabinet .....	8.25
	The Brown Bag Filling Machine Co. ....	Putting up seeds .....	6,175.35
28	S. A. Knapp .....	Expenses .....	236.33
	A. L. Scribner .....	do. ....	87.35
	W. W. Tracy, sr. ....	do. ....	45.24
	F. W. Balgiano & Co. ....	do. ....	1.75
29	The Draper Manufacturing Co. ....	Corn sheller .....	3.00
	D. M. Ferry & Co. ....	Ink .....	37.15
	do. ....	do. ....	6.25
	Fink Bros. Seed Co. ....	Corn .....	5.35
	N. B. Keeney & Son .....	Beans .....	489.00
	Indian Head Plantations (Incorporated) .....	Tobacco seed .....	268.00
31	E. G. Schafer & Co. ....	Valves .....	3.88
	A. J. Pieters et al. ....	Salaries .....	4,243.62
	Total third quarter .....		103,895.70
Apr. 4	W. T. Philipps & Co. ....	Seeds .....	600.00
	Northrup, King & Co. ....	do. ....	4.60
	J. B. Rice Seed Co. ....	do. ....	72.00
	Rogers Bros .....	do. ....	212.00

Expenditures of the Department of Agriculture for fiscal year ending June 30, 1904—Cont'd.

PURCHASE AND DISTRIBUTION OF VALUABLE SEEDS—Continued.

Date.	Name.	Nature of payment.	Total.
1904.			
Apr. 4	Chas. Sharpe & Co. (Limited).....	Seeds.....	\$2 68
	Street & Graves.....	do.....	53.04
	The Steele Briggs Seed Co.....	do.....	1.25
	J. M. Thorburn & Co.....	do.....	1.32
	Will W. Tracy, sr.....	Salary.....	255.50
	A. L. Scribner.....	Traveling expenses.....	132.55
	Townsend Mikell.....	Cotton seed.....	75.00
	J. M. Thorburn & Co.....	Seeds.....	4.22
	do.....	do.....	7.00
	Western seed and Irrigation Co.....	do.....	1,053.40
	Lenawee Seed Co.....	do.....	176.02
	J. M. Parker.....	do.....	1,926.47
	W. H. Maule.....	do.....	2.05
	Merchants and Planters' Oil Co.....	Handling cotton.....	91.95
	do.....	Rent.....	88.75
	E. B. Clarke Co.....	Seed corn.....	250.00
	Cleveland Seed Co.....	Seeds.....	623.42
	Edw. F. Dibble.....	do.....	737.50
	Iowa Seed Co.....	do.....	30.40
	P. H. Dorsett.....	Salary.....	191.60
	Jno. Dee Beck.....	do.....	50.00
	A. B. Sloane.....	do.....	35.00
	Ernest A. Bessey.....	Traveling expenses.....	41.13
	Jno. S. Jones.....	Salary.....	50.00
	W. S. Hull.....	do.....	50.00
	W. E. Willis.....	do.....	50.00
	Fred Stockwell.....	do.....	60.00
6	I. P. Roosa.....	Expenses.....	93.84
	Edw. Q. Knight.....	Salary.....	60.00
9	E. Morrison Paper Co.....	Seed packets.....	9.20
	E. S. Schmid.....	Fern balls.....	20.00
	Mary E. Parker, executrix.....	Pencils.....	5.00
	Ernest A. Bessey.....	Traveling expenses.....	146.93
	W. B. Moses & Sons.....	Chair.....	5.50
	do.....	do.....	8.18
	F. W. Balgiano & Co.....	Seeds.....	3.07
	do.....	do.....	30.05
	Lamb & Tilden.....	Type.....	8.88
	J. Baumgarten & Sons.....	Daters.....	1.80
	The Maurice Joyce Engraving Co.....	Signature.....	.50
	E. P. Hazelton.....	Repairs to bicycles.....	2.00
	Delano & Moore.....	Supplies.....	2.90
	A. D. Shamel.....	Traveling expenses.....	208.40
	The Geo. W. Knox Express Co.....	Transportation.....	30.15
	do.....	do.....	.25
	Underwood Typewriter Co.....	Typewriter.....	87.50
	Yawman & Erbe Manufacturing Co.....	Filing cases.....	39.00
	Washington Gaslight Co.....	Gas.....	1.70
11	W. Atlee, Burpee & Co.....	Seeds.....	355.68
	do.....	do.....	56.42
	do.....	do.....	2.16
	Johnson & Stokes.....	do.....	8.25
	Comstock, Ferre & Co.....	do.....	4.00
	Hooper Bro. & Thomas.....	Peach trees.....	14.00
	Holmes Seed Co.....	Seeds.....	757.96
	W. K. Harris.....	Plants.....	75.00
12	T. W. Wood & Sons.....	Peanuts, etc.....	6.50
	do.....	Seeds.....	1,971.52
	N. L. Willet Drug Co.....	do.....	4.50
	J. M. Thorburn & Co.....	do.....	99.50
	J. C. Moninger Co.....	Building materials.....	497.42
	Henry Nungesser & Co.....	Seeds.....	22.80
	J. M. Thorburn & Co.....	do.....	7.50
	do.....	do.....	28.50
	do.....	do.....	60.00
	do.....	do.....	6.73
14	R. Carter Ballantyne.....	Envelopes.....	4.53
	E. Morrison Paper Co.....	Pencils.....	.85
	The Maurice Joyce Engraving Co.....	Signature.....	.50
	Potomac Electric Power Co.....	Arc lamp.....	3.00
	do.....	Current.....	14.11
	National Electric Supply Co.....	Stereopticon lamps.....	1.70
	United States Express Co.....	Transportation.....	42.75
	American Writing Machine Co.....	Paper.....	9.50
15	J. L. Reeves.....	Salary.....	19.50
18	J. E. W. Tracy.....	Traveling expenses.....	44.12
	Western Union Telegraph Co.....	Service.....	2.70
	Postal Telegraph-Cable Co.....	do.....	3.65
	do.....	do.....	3.91

*Expenditures of the Department of Agriculture for fiscal year ending June 30, 1904—Cont'd.*

## PURCHASE AND DISTRIBUTION OF VALUABLE SEEDS—Continued.

Date.	Name.	Nature of payment.	Total.
1904.			
Apr. 18	Postal Telegraph-Cable Co.....	Service.....	\$38. 14
	United States Express Co.....	Transportation.....	27. 35
	.....do.....	.....do.....	28. 51
	Edw. S. Schmid.....	Sprayer.....	6. 50
	Fred. A. Schmidt.....	Crayon paper.....	10. 01
	D. F. Parker.....	Typewriter paper.....	5. 10
	W. B. Moses & Sons.....	Chairs.....	11. 00
	Francis Miller.....	Glass.....	700. 00
	F. P. May & Co.....	Scoops, etc.....	8. 90
	Delano & Moore.....	Photo supplies.....	19. 40
	Harrisons, F. Harrison, manager.....	Envelopes.....	9. 50
	W. S. Clark.....	Pansy plants.....	37. 50
	R. Carter Ballantyne.....	Paper.....	2. 80
	Brentanos.....	Portfolio.....	4. 34
19	W. D. Tyler.....	Seeds.....	31. 44
	Street & Graves.....	.....do.....	306. 00
	J. M. Thorburn & Co.....	.....do.....	1. 23
	.....do.....	.....do.....	3. 84
	The Stumpp & Walter Co.....	.....do.....	36. 51
	Henry Nuggesser & Co.....	.....do.....	64. 25
	H. Philipps Seed and Improvement Co.....	.....do.....	750. 00
	Chas. E. Prunty.....	.....do.....	45. 00
	Thos. Meehan & Sons.....	Plants.....	7. 66
	C. C. Morse & Co.....	Seeds.....	855. 25
	McClure Seed Co.....	.....do.....	1,762. 42
	T. V. Munson & Son.....	Grapevine.....	147. 42
	J. H. McNowen.....	Seeds.....	24. 40
	J. B. Rice Seed Co.....	Corn.....	18. 30
	The Stumpp & Walter Co.....	Seeds.....	127. 30
	American Can Co.....	Mailing tubes.....	16. 06
	Alabama Nursery Co.....	Fruit trees.....	88. 50
	W. Atlee Burpee Co.....	Seeds.....	383. 25
	.....do.....	.....do.....	275. 60
	Capelle Hardware Co.....	.....do.....	94. 90
	A. N. Clark.....	Corn.....	255. 43
	The Everett B. Clark Co.....	.....do.....	104. 40
	Jno. Lewis Childs.....	Bulbs.....	2. 35
	The Draper Manufacturing Co.....	Charts.....	6. 18
	The A. Dickinson Co.....	Seeds.....	75. 50
	Empire Beet Sugar Co.....	.....do.....	33. 00
	Henry A. Dreer (Incorporated).....	Plants.....	48. 00
	.....do.....	.....do.....	62. 50
	F. H. Eberling.....	Seeds.....	29. 40
	J. F. Reed.....	Salary.....	40. 90
	Vilmorin & Andrieux.....	Seeds.....	5. 31
	.....do.....	.....do.....	3. 39
	.....do.....	.....do.....	1. 97
	Haage & Schmidt.....	.....do.....	5. 63
	F. C. Heimemann.....	.....do.....	3. 26
	W. W. Johnson & Son.....	.....do.....	257. 14
	Ernest Benary.....	.....do.....	31. 75
	Dabbie & Co.....	.....do.....	2. 31
	Jas. Carter & Co.....	.....do.....	1. 92
	Iowa Seed Co.....	.....do.....	58. 90
	Haage & Schmidt.....	.....do.....	2. 65
	Hurst & Son.....	.....do.....	3. 20
	T. S. Hubbard & Co.....	Grapevine.....	6. 70
	T. W. Wood & Sons.....	Beans.....	474. 48
	.....do.....	Seeds.....	2. 25
20	Pennsylvania R. R. Co.....	Passenger transportation.....	24. 20
	.....do.....	.....do.....	. 53
	The Pullman Co.....	.....do.....	16. 50
	Oceanic S. S. Co.....	.....do.....	12. 07
	New York Central and Hudson River R. R. Co.....	.....do.....	19. 15
	New York, Texas and Mexico Rwy. Co.....	.....do.....	1. 03
	New York and Porto Rico S. S. Co.....	.....do.....	. 26
	Missouri, Kansas and Texas Rwy. Co.....	.....do.....	37. 30
	San Antonio and Gulf R. R. Co.....	.....do.....	4. 98
	Washington and Southern Rwy. Co.....	.....do.....	1. 31
	.....do.....	.....do.....	21. 88
	.....do.....	.....do.....	46. 30
	.....do.....	.....do.....	54. 90
	.....do.....	.....do.....	101. 47
	.....do.....	.....do.....	1. 41
	Southern Rwy. Co.....	.....do.....	59. 95
	Union Pacific R. R. Co.....	.....do.....	17. 24
	The Wabash R. R. Co.....	.....do.....	35. 25
	Seaboard Air Line Rwy.....	.....do.....	34. 45
	Richmond, Fredericksburg and Potomac R. Co.....	.....do.....	. 25



Expenditures of the Department of Agriculture for fiscal year ending June 30, 1904—Cont'd.

## PURCHASE AND DISTRIBUTION OF VALUABLE SEEDS—Continued.

Date.	Name.	Nature of payment.	Total.
1904.			
Apr. 20	S. A. Knapp.....	Expenses.....	\$40.00
	.....do.....	.....do.....	92.50
	.....do.....	.....do.....	60.00
	.....do.....	.....do.....	55.00
	Luther Burbank.....	Plants.....	4.50
	Remington Typewriter Co.....	Repairs.....	.60
	Houston and Texas Central R. R. Co.....	Transportation.....	30.99
	Gulf, Western Texas and Pacific Rwy. Co.....	.....do.....	2.96
	Galveston, Harrisburgh and San Antonio Rwy. Co.....	Passenger transportation.....	6.30
	S. A. Knapp.....	Traveling expenses.....	9.51
21	P. H. Dorsett.....	.....do.....	96.62
28	Will Kremers.....	Salary.....	101.72
	Washington Southern Rwy Co.....	Transportation.....	131.92
	.....do.....	.....do.....	91.50
	.....do.....	.....do.....	1.37
	Pennsylvania R. R. Co.....	.....do.....	61.20
	Houston and Texas Central R. R. Co.....	.....do.....	51.20
29	C. P. Hartley.....	Expenses.....	74.91
	O. F. Cosper.....	Care rush roots.....	\$9.00
	S. A. Knapp.....	Expenses.....	76.36
	.....do.....	.....do.....	30.15
30	J. L. Reeves.....	Salary.....	21.00
	J. H. Copland.....	.....do.....	25.00
	Jos. A. Ganges.....	.....do.....	37.09
	A. J. Pieters et al.....	Salaries.....	4,118.72
May 2	W. W. Tracy, sr.....	Salary.....	247.25
	W. E. Willis.....	.....do.....	50.00
	W. S. Hull.....	.....do.....	-50.00
	W. W. Smith.....	.....do.....	123.60
	W. R. Beattie.....	.....do.....	123.60
	Jno. Dee Beck.....	.....do.....	50.00
	Fred Stockwell.....	.....do.....	60.00
	F. L. Scribner.....	.....do.....	116.76
	Jno. S. Jones.....	.....do.....	50.00
	Edw. Goucher.....	.....do.....	56.87
	P. H. Dorsett.....	.....do.....	185.45
	A. B. Sloane.....	.....do.....	35.00
	Jos. F. Reed.....	.....do.....	39.60
3	The Brown Bag Filling Machine Co.....	Putting up seed.....	6,030.24
	Will Kremers.....	Traveling expenses.....	119.73
4	W. L. Foster.....	Seed.....	32.40
	R. & J. Farquhar & Co.....	.....do.....	8.25
	Chas. P. Braslan.....	.....do.....	108.00
	.....do.....	.....do.....	175.00
	Binghamton Seed Co.....	.....do.....	11.67
	C. P. Coy & Son.....	Corn.....	75.00
	The Cleveland Seed Co.....	Beet seeds.....	470.95
	Jno. Sweeney.....	Drayage.....	163.20
6	B. T. Galloway.....	Traveling expenses.....	74.75
	Jno. S. Young.....	Seeds.....	7.90
	T. W. Wood & Sons.....	Peanuts.....	1.35
	Jas. Veitch & Sons (Limited).....	Seeds.....	81.77
	Vaughn's Seed Store.....	.....do.....	16.50
	United States Envelope Co.....	Envelopes.....	12.60
	.....do.....	.....do.....	12.60
	J. M. Thorburn & Co.....	Roots.....	271.16
	.....do.....	Seeds.....	26.27
	.....do.....	.....do.....	36.17
	.....do.....	.....do.....	7.40
	Sanilac Sugar Refining Co.....	.....do.....	32.97
	Slaymaker & Son.....	Plants.....	66.50
	Reasoner Bros.....	.....do.....	1.50
	National Electric Supply Co.....	Carbide.....	.50
	Remington Typewriter Co.....	Typewriter.....	92.25
	.....do.....	Repairs to typewriters.....	15.25
	J. C. Robinson.....	Corn.....	250.00
	J. B. Rice Seed Co.....	Seeds.....	225.00
	The H. Philipps Seed and Improvement Co.....	.....do.....	35.00
	Henry Nungesser & Co.....	.....do.....	18.40
	.....do.....	.....do.....	12.50
	Menomonee River Sugar Co.....	.....do.....	35.04
	J. W. Keer.....	Almond trees.....	4.90
	Funk Bros. Seed Co.....	Corn.....	17.00
	Eberhard Faber.....	Bands.....	1.20
	E. F. Dibble.....	Beans.....	81.00
	H. C. & J. B. Agnew.....	Seeds.....	300.00
	F. Barteldes & Co.....	.....do.....	1.85
	W. Atlee Burpee Co.....	.....do.....	22.00
7	A. D. Shamel.....	Traveling expenses.....	7.20

*Expenditures of the Department of Agriculture for fiscal year ending June 30, 1904—Cont'd.*

## PURCHASE AND DISTRIBUTION OF VALUABLE SEEDS—Continued.

Date.	Name.	Nature of payment.	Total.
1904.			
May 9	Delano & Moore.....	Photo supplies.....	\$5.70
	do.....	do.....	3.60
12	D. O. Munson.....	Apple trees.....	20.00
	J. Baumgarten & Sons.....	Band dater.....	4.00
	Brentanos (Incorporated).....	Pen.....	3.60
	Littlefield, Alvord & Co.....	Hauling.....	55.60
	do.....	do.....	10.37
	The Brown Bag Filling Machine Co.....	Putting up seeds.....	1,349.27
	do.....	do.....	6,114.72
13	E. Morrison Paper Co.....	Pencil pointers.....	7.50
	do.....	Files.....	3.90
	The Maurice Joyce Engraving Co.....	Engravings.....	.50
	W. Silas Sheetz.....	Camera, etc.....	48.30
	Smith Premier Typewriter Co.....	Repairs.....	1.00
	Western Union Telegraph Co.....	Service.....	65.27
	The Chesapeake and Potomac Telegraph Co.....	do.....	6.25
	The G. W. Knox Express Co.....	Transportation.....	1.42
	do.....	do.....	33.39
	Capital Traction Co.....	Tickets.....	10.00
	American Writing Machine Co.....	Typewriter paper.....	95.00
	F. W. Bolgiano & Co.....	Corn, etc.....	2.02
	do.....	Fertilizer.....	46.20
	Jno. B. Espey.....	Wire.....	12.16
	Rudolph, West & Co.....	Label holders.....	23.48
14	Jno. L. Reeves.....	Services.....	19.50
	J. A. Ganges.....	do.....	37.09
	J. H. Copland.....	do.....	24.19
16	F. E. Heinemann.....	Seeds.....	2.74
	W. J. Zeh.....	Coal.....	198.50
	Haage & Schmidt.....	Catalogue.....	1.14
	Sluis & Groat.....	Seeds.....	2.06
	Yawman & Erbe Manufacturing Co.....	Card sections.....	16.50
	Alice M. Sawyer.....	Traveling expenses.....	2.05
18	Illinois Central R. R. Co.....	Passenger transportation.....	21.12
	Galveston, Harrisburg and San Antonio Rwy. Co.....	Transportation.....	28.51
	do.....	do.....	62.75
	do.....	do.....	14.53
	New York, Texas and Mexico Rwy. Co.....	do.....	4.14
	San Antonio and Gulf R. R. Co.....	do.....	3.31
	Washington Southern Rwy. Co.....	do.....	7.42
	The Chesapeake and Ohio Rwy. Co.....	Passenger transportation.....	19.25
	S. A. Knapp.....	Expenses.....	200.65
	Choctaw, Oklahoma and Gulf R. R. Co.....	Passenger transportation.....	36.55
	Pere Marquette R. R. Co.....	do.....	6.56
19	J. E. W. Tracy.....	Traveling expenses.....	19.94
20	Earl Milliken.....	Roots.....	364.14
21	The Brown Bag Filling Machine Co.....	Putting up seeds.....	1,842.27
	do.....	do.....	19.66
24	Jas. F. Reed.....	Traveling expenses.....	31.05
25	Delano & Moore.....	Photo. supplies.....	5.30
26	Bowser & Towles.....	Mules.....	550.85
	Ernest Benary.....	Seeds.....	5.06
	Jno. Bawder.....	Ferns.....	40.00
	Alexander Seed Co.....	Peanuts.....	2.25
31	J. H. Copland.....	Salary.....	25.81
	J. L. Reeves.....	do.....	24.00
	J. A. Ganges.....	do.....	39.56
	A. J. Pieters et al.....	Salaries.....	3,972.75
June 1	W. W. Smith.....	Salary.....	127.80
2	F. L. Scribner.....	do.....	213.00
	P. H. Dorsett.....	do.....	191.60
	W. R. Beattie.....	do.....	127.80
	W. W. Tracy, sr.....	do.....	255.50
	W. S. Hull.....	do.....	50.00
	W. E. Willis.....	do.....	50.00
	Edw. Goucher.....	do.....	76.60
	J. F. Reed.....	Traveling expenses.....	20.75
	do.....	Salary.....	40.80
	Will Kremers.....	do.....	20.00
	A. B. Sloane.....	do.....	35.00
	Alice M. Sawyer.....	do.....	40.80
	Jno. Dee Beck.....	do.....	50.00
	Jno. S. Jones.....	do.....	50.00
	Fred. Stockwell.....	do.....	60.00
3	Edw. S. Schmid.....	Leaf mold.....	25.00
	E. G. Schafer & Co.....	Terra-cotta pipe.....	128.30
	Potomac Electric Power Co.....	Current.....	13.65
	Chas. Parker.....	Seeds.....	60.90
	Thos. Meehan & Sons.....	Trees.....	9.65

Expenditures of the Department of Agriculture for fiscal year ending June 30, 1904—Cont'd.

## PURCHASE AND DISTRIBUTION OF VALUABLE SEEDS—Continued.

Date.	Name.	Nature of payment.	Total.
1904.			
June 3	Thos. Meehan & Sons	Plants	\$14.66
	Kendall & Whitney	Corn	5.00
	United States Express Co.	Transportation	285.76
	Zuckerfabrik Klein Wazellen Vorin	Beet seed	4.25
	O. C. Thompson	Corn	8.75
	J. M. Thorburn & Co.	Seeds	4.91
	do.	do.	1.49
	W. Silas Sheetz	Camera, etc.	18.00
	do.	Film packs	12.60
	do.	Camera, etc.	104.33
	N. B. Keeney & Son	Seed testing	200.00
	Washington Gaslight Co.	Gas	1.30
	The W. H. Moon Co.	Plant	3.00
	Littlefield, Alvord & Co.	Transportation	82.79
	James B. Lambie Co.	Wire netting, etc.	14.00
	The G. W. Knox Express Co.	Transportation	72.69
	Iowa Seed Co.	Corn	5.65
	do.	do.	2.65
	T. S. Hubbard Co.	Grapevine	41.60
	The E. G. Hill Co.	Rose plants	83.90
	do.	do.	303.00
	E. P. Hazleton	Repairs to bicycle	2.00
	Frank Harrison	Pen	4.00
	Robt. Gair Co.	Seed bags	42.93
	Eberhard Faber	Rubber bands	14.40
	W. H. Dyer	Stakes	20.00
	do.	do.	15.00
	Church & Stephenson	Lumber	36.00
	California Nursery Co.	Grapevines	107.68
	Jas. Carter & Co.	Seeds	15.63
	Brentanos	Pen	5.00
	W. Atlee, Burpee & Co.	Seeds	4.99
	Adams Express Co.	Transportation	18.00
	do.	do.	10.95
	do.	do.	24.21
	do.	do.	60.45
	do.	do.	39.41
	do.	do.	88.74
4	Chas. Shore	Repairing bicycle	1.65
	L. S. Depue	Oats	45.00
6	H. A. Dreer (Incorporated)	Bulbs, etc.	62.50
	Church & Stephenson	Lumber	37.92
	The E. G. Hill Co.	Roses	25.00
	do.	Chrysanthemums	3.00
	Dr. F. Franceschi	Lippia repens	2.50
	Thos. Meehan & Sons	Plants	43.00
	F. W. Kelsey	do.	30.50
	N. B. Keeney & Son	Photos	139.17
	Wm. Ewing & Co.	Seeds	3.03
	Wm. T. Bowen	Scale	30.00
	American Writing Machine Co.	Paper	19.00
	do.	do.	19.00
	R. C. Ballantyne	Fillers	3.90
	Remington Typewriter Co.	Adjusting typewriter	15.00
	Edw. S. Schmid	Leaf molds and moss	45.00
	do.	Labels	128.25
	J. Steckler Seed Co.	Bulbs	3.00
	Swayze, Bailey & Co.	Carton paper	37.20
	Woodward & Lothrop	Desks, etc.	77.19
	do.	Burlap	15.00
	Yawman & Erbe Manufacturing Co.	Sections, etc.	12.50
8	W. W. Tracy, sr.	Expenses	32.41
	do.	do.	20.32
11	I. P. Roosa	do.	19.70
	W. W. Tracy, jr.	do.	194.53
	S. A. Knapp	do.	38.53
	do.	do.	6.00
15	Michael Dervan	Salary	22.50
	Jno. L. Reeves	do.	6.00
	Jesse James	do.	37.09
	J. A. Ganges	do.	25.00
	J. H. Copland	do.	17.30
17	W. N. Hutt	Traveling expenses	40.00
	Geo. C. Husmann	Expenses	30.60
20	D. Frank Parker	Paper	9.00
	do.	Ribbons	5.10
	do.	Paper	3.15
	Mary E. Parker	do.	9.07
	Potomac Electric Power Co.	Current	31.00
	W. B. Moses & Sons	Bookcase	304.64
	Edw. F. Dibble	Seed, etc.	



270 EXPENDITURES IN DEPARTMENT OF AGRICULTURE.

Expenditures of the Department of Agriculture for fiscal year ending June 30, 1904—Cont'd.

PURCHASE AND DISTRIBUTION OF VALUABLE SEEDS—Continued.

Date.	Name.	Nature of payment.	Total.
1904.			
June 20	Chushman Gladiolus Co.	Bulbs.	\$10.00
	R. P. Andrews & Co.	Clips.	9.59
	Henry A. Dreer (Incorporated)	Plants.	36.00
	do.	do.	1.95
	Delano & Moore	Photo. supplies	133.12
	G. W. Oliver	Traveling expenses	24.70
	J. H. Lane & Co.	Tenting cloth.	12.48
	Harding & Kaufman	Mower	291.45
	Wm. J. Zeh	Coal.	39.70
	Washington Gaslight Co.	Gas.	1.10
	Woodward & Lothrop	Taps	4.00
	do.	Desk.	33.44
	Hess Warming and Ventilating Co.	Grain drier.	420.00
	Jno. A. Widtsoe	Hauling, etc.	65.40
	do.	Manure.	37.50
	Utah Sugar Co.	Beet seed.	11.00
	A. E. McKinzee & Co.	Seeds.	71.40
	J. P. Nawrath	Twine.	79.06
	Slate Seed Co.	Seeds.	4.50
	Remington Typewriter Co.	Typewriter.	90.00
	E. Morrison Paper Co.	Holders.	15.00
	do.	Files.	3.90
	Thos. Meehan & Sons	Plants.	4.45
21	A. J. Pieters	Traveling expenses	39.42
	Geo. W. Oliver	do.	241.51
	S. A. Knapp	Expenses	31.90
	do.	do.	100.45
	do.	do.	32.51
25	B. T. Galloway	Traveling expenses	28.80
27	J. W. T. Duval	do.	113.93
	S. A. Knapp	Expenses	76.53
29	Chas. R. Edmonston	Filter.	53.00
	Delano & Moore	Photo. supplies	7.50
	W. H. Rupp Co.	Note books.	3.00
	do.	do.	3.60
	do.	Envelopes.	4.50
	Francis Miller	Oil.	30.30
	H. C. Davison & Co.	Copying books	73.10
	Dayton Fruit Tree Label Co.	Labels.	80.70
	Arthur Cowie	Bulbs.	8.82
	Geo. W. Millar & Co.	Wrapping paper	310.00
	Library Bureau	Cards, etc.	48.40
	H. P. Kelsey	Ginseng seed.	5.00
	S. W. Flower & Co.	Seeds.	431.68
30	J. J. Mullaney	Salary.	6.75
	Philip F. Zell	do.	6.75
	J. A. Ganges	do.	37.09
	Jessie James	do.	19.50
	C. M. Smith	do.	27.00
	Michl. Dervan	do.	19.50
	J. H. Copland	do.	25.00
	Sydney Swann	do.	21.00
	A. J. Pieters et al.	Salaries.	3,733.45
	Total fourth quarter		62,915.01
	<i>Supplemental.</i>		
1904.			
July 1	F. R. Holzman	Salary.	248.90
2	Will Kermers	do.	20.00
	W. R. Beattie	do.	123.60
	W. W. Smith	do.	123.60
	W. E. Willis	do.	50.00
	W. S. Hull	do.	50.00
	W. W. Tracy, sr.	do.	247.25
	F. L. Scribner	do.	206.00
	P. H. Dorsett	do.	185.45
	Edw. Goucher	do.	74.20
	Fred. Stockwell	do.	60.00
	J. S. Jones	do.	50.00
	J. D. Beck	do.	50.00
	B. G. Johnson	do.	48.00
	A. M. Sawyer	do.	39.60
	J. F. Reed	do.	39.60
	A. B. Sloane	do.	35.00
	do.	do.	34.00
6	S. A. Knapp	Expenses	2.25
	C. E. Cleveland	Salary.	3.00
	J. M. Veale	do.	3.00
	C. C. McConica	do.	2.25
	Chas. Cleveland	do.	3.00

Expenditures of the Department of Agriculture for fiscal year ending June 30, 1904—Cont'd.

## PURCHASE AND DISTRIBUTION OF VALUABLE SEEDS—Continued.

Date.	Name.	Nature of payment.	Total.
<i>Supplemental—Continued.</i>			
1904.			
July 6	J. T. Phipps .....	Salary .....	\$3.00
9	S. A. Knapp .....	Expenses .....	28.95
14	R. H. Forbes .....	Labor .....	125.50
	Jno. A. Widtsoe .....	do .....	44.60
	do .....	do .....	13.50
15	B. G. Johnson .....	Services .....	62.10
18	A. J. Pieters .....	Expenses .....	10.00
	do .....	do .....	5.35
	do .....	do .....	37.25
	do .....	do .....	58.79
	S. A. Knapp .....	Traveling expenses .....	94.65
	J. F. Reed .....	do .....	29.05
	W. W. Tracy, sr. ....	do .....	6.70
	do .....	do .....	47.55
	Church & Stephenson .....	Lumber .....	172.44
	Delano & Moore .....	Photo supplies .....	6.80
	W. B. Moses & Sons .....	File case, etc. ....	31.50
	do .....	do .....	22.00
	Western Union Telegraph Co. ....	Service .....	27.11
19	E. A. Burnet .....	Labor .....	57.75
	do .....	do .....	94.75
	W. J. Crawford .....	Drayage .....	1.20
	H. A. Dreer (Incorporated) .....	Seeds .....	24.00
	Dr. F. Franceschi .....	do .....	7.00
	Wm. K. Harris .....	do .....	75.00
	Chas. S. Jenkins .....	Map rack .....	55.00
	Abner Proctor .....	Bean poles .....	13.55
	T. W. Wood & Sons .....	Corn seed .....	116.64
	do .....	Pease .....	1.05
	Jno. Scott .....	Seeds .....	25.00
	J. M. Thornburn & Co. ....	do .....	1.50
20	Baltimore and Ohio R. R. Co. ....	Passenger transportation .....	77.00
	Brentano's .....	Memorandum books .....	13.00
	F. W. Bolgiano & Co. ....	Fertilizer .....	33.60
	Littlefield, Alvord & Co. ....	Transportation .....	56.61
	do .....	do .....	.95
	E. Morrison Paper Co. ....	Pencils .....	3.00
	Remington Typewriter Co. ....	Typewriter .....	92.25
	E. G. Schafer & Co. ....	Plugs .....	.57
	E. S. Schmid .....	Stakes .....	34.70
	do .....	Bulbs .....	22.00
	W. S. Sheetz .....	Camera, etc .....	88.20
	do .....	Camera .....	10.00
	The Smith-Premier Typewriter Co. ....	Knob for typewriter .....	.25
	Woodward & Lothrop .....	Desk, etc .....	35.75
	The Washington Times Co. ....	Advertising .....	13.50
	Yawman & Erbe Manufacturing Co. ....	Cards, etc .....	20.74
23	S. A. Knapp .....	Expenses .....	23.50
	do .....	do .....	27.50
	Laing & Mather .....	Seeds .....	42.12
	Pennsylvania R. R. Co. ....	Passenger transportation .....	11.76
	do .....	do .....	188.95
	do .....	do .....	28.75
	do .....	Transportation .....	142.27
	do .....	do .....	2.24
	do .....	do .....	4.68
	do .....	do .....	3.16
	do .....	do .....	125.96
	do .....	do .....	213.17
	Washington Southern Rwy. Co. ....	do .....	21.94
	Southern Rwy. Co. ....	do .....	1.13
	do .....	do .....	.56
	do .....	Passenger transportation .....	23.90
25	Washington Southern Rwy. Co. ....	Transportation .....	95.01
26	F. W. Boehme .....	Wheat, etc .....	262.75
	P. H. Dorsett .....	Traveling expenses .....	293.49
	J. E. W. Tracy .....	do .....	278.21
	Church & Stephenson .....	Lumber .....	30.00
	Delano & Moore .....	Films .....	5.40
30	Texarkana and Fort Smith Rwy. Co. ....	Transportation .....	.59
	Trinity and Brazos Valley Rwy Co. ....	do .....	.33
	The Oregon R. R. and Navigation Co. ....	do .....	2.94
	Chesapeake and Ohio Rwy. Co. ....	do .....	1.97
	do .....	do .....	1.01
	Chicago, Rock Island and Gulf Rwy. Co. ....	do .....	5.78
	Texas-Mexico Rwy. Co. ....	do .....	2.14
	do .....	do .....	2.47
	Texas Central R. R. Co. ....	do .....	7.73
	Houston, East and West Texas Rwy. Co. ....	do .....	2.64
	Great Northern Rwy. Co. ....	do .....	15.05

Expenditures of the Department of Agriculture for fiscal year ending June 30, 1904—Cont'd.

## PURCHASE AND DISTRIBUTION OF VALUABLE SEEDS—Continued.

Date.	Name.	Nature of payment.	Total.
<i>Supplemental—Continued.</i>			
1904.			
July 30	Delaware and Hudson Co.	Transportation	\$1.00
	W. F. Clyde & Co.	do	14.40
	Texas, Saine Valley and Northwestern Rwy. Co.	do	4.83
	The Denver and Rio Grande R. R. Co.	do	1.34
	Fort Worth and Denver City Rwy. Co.	do	15.24
	do	do	10.01
	Fort Worth and Rio Grande Rwy. Co.	do	16.52
	Velasco, Brazos and Northern Rwy. Co.	do	.25
	New York, Texas and Mexico Rwy. Co.	do	3.01
	New York and Porto Rico S. S. Co.	do	11.81
	do	do	.66
	San Antonio and Gulf R. R. Co.	do	1.24
	San Antonio and Aransas Pass Rwy. Co.	do	3.49
	do	do	31.04
	do	do	50.41
	Gulf, Colorado and Santa Fe Rwy. Co.	do	523.30
	do	do	53.33
	do	do	29.38
	Galveston, Harrisburg and San Antonio Rwy. Co.	Passenger transportation	4.20
	do	Transportation	32.38
	do	do	4.21
	Houston and Texas Central R. R. Co.	do	32.84
	do	do	1.75
	do	do	25.22
	St. Louis Southwestern Rwy. Co. of Texas.	do	6.43
	do	do	17.21
	Gulf, Western Texas and Pacific Rwy. Co.	do	.82
	do	do	.53
	Missouri, Kansas and Texas Rwy. Co.	do	3.44
	Texas and Pacific Rwy. Co.	do	59.80
	do	Passenger transportation	53.05
	New York Central and Hudson River R. R. Co.	Transportation	1.09
	do	do	.60
	do	Passenger transportation	15.00
	do	do	15.00
	Texas and New Orleans R. R. Co.	do	37.30
	do	Transportation	24.53
	do	do	1.02
	do	do	548.40
	California Northwestern Rwy. Co.	Passenger transportation	4.50
	Chicago Northwestern R. R. Co.	do	34.80
	Michigan Central R. R. Co.	do	21.25
	Missouri, Louisiana and Texas R. R. and S. S. Co.	do	10.85
	New York, New Haven and Hartford R. R. Co.	do	5.00
	Oregon Short Line R. R. Co.	do	28.85
	Villar & Co.	do	40.00
Aug. 1	American Writing Machine Co.	Paper	19.00
2	Chas. Shore	Repairing bicycle	4.00
3	The Geo. W. Knox Express Co.	Drayage	18.00
	do	do	45.93
	Littlefield, Alvord & Co.	do	6.67
	Louis Hartig	Wire	10.85
	Alex. Schmid	Pasteboard boxes	4.75
	Thos. Somerville & Sons	Plumbing material	9.19
	do	do	107.44
	Barber & Ross	Buckets	.59
	Capital Traction Co.	Car tickets	10.00
	The Chesapeake and Potomac Telegraph Co.	Service	6.25
	do	do	.70
	Brentano's	Fountain pen	5.00
	D. F. Parker	Typewriter paper	1.32
	Jno. C. Parker	Memorandum books	23.82
	Jno. A. Pierpoint	Tin card holder	5.00
	Mackall Bros	Jars	1.57
	National Electric Supply Co.	Desk fan	10.50
	Potomac Electric Power Co.	Electric current	5.11
	W. B. Moses & Sons	Bookcase	20.00
	Smith-Premier Typewriter Co.	Typewriter, etc.	92.25
	W. S. Sheetz	Photo supplies	6.00
	do	do	2.25
	Pope Manufacturing Co.	Repairs to bicycle	3.03
	Thos. R. Riley	Lumber	118.20
	Washington Gaslight Co.	Gas	.70
	The Washington Post	Advertising	12.60
	L. L. Thompson	Roofing	137.60
5	J. A. Widtsoe	Labor	88.05



Expenditures of the Department of Agriculture for fiscal year ending June 30, 1904—Cont'd.

PURCHASE AND DISTRIBUTION OF VALUABLE SEEDS—Continued.

Date.	Name	Nature of payment.	Total.
<i>Supplemental—Continued.</i>			
1904.			
Aug. 5	J. A. Widtsoe .....	Labor .....	\$67.10
16	S. A. Knapp .....	Expenses .....	72.02
	Jas. W. Wilson .....	Labor .....	75.00
17	S. A. Knapp .....	Expenses .....	41.31
	W. H. Bowen .....	Rental of land .....	30.00
	J. D. Bosch .....	do .....	10.00
	H. U. Burns .....	Bulbs .....	14.00
	J. G. Davis .....	Cultivation of land .....	60.00
	T. A. Dickinson .....	Clover seed .....	1,012.50
	H. A. Dreer (Incorporated) .....	Seeds .....	77.50
	Bernard Distel .....	Services, etc. ....	10.00
	District of Columbia Paper Manufacturing Co. ....	Germinating blotting paper .....	45.00
	The Evening Star Newspaper Co. ....	Advertising .....	6.48
	Z. D. Gilman .....	Slides .....	.83
	Geo. F. Muth & Co. ....	Lead .....	32.93
	Remington Typewriter Co. ....	Repairing paper .....	6.00
	Rudolph, West & Co. ....	Wire, etc .....	61.14
18	Gundlach, Bundschw Wine Co. ....	Land rent .....	10.00
	Wm. K. Harris .....	Plants .....	76.00
	W. D. Hammack .....	Land rent .....	60.00
	Mary Lawrence .....	do .....	10.00
	Republic Bag and Paper Co. ....	Bags .....	15.99
	J. Steckler Seed Co. ....	Tobacco seed .....	2.20
	J. C. Moninger & Co. ....	Doors .....	9.54
	United States Envelope Co. ....	Envelopes .....	6.30
	W. L. Willett Drug Co. ....	Seeds .....	136.55
	Jas. Withycombe .....	do .....	31.20
	E. E. Evans .....	Peas .....	39.00
	Library Bureau .....	Cards .....	11.28
	Bausch & Lomb Optical Co. ....	Forceps, etc. ....	24.87
	T. W. Wood & Son .....	Teosinte .....	126.20
23	J. Ross Collins .....	Rags .....	847.06
26	R. C. Keenan .....	Cultivating cotton .....	278.87
	do .....	do .....	80.00
	J. J. Lawton .....	do .....	80.00
	C. H. Wente .....	Services, etc. ....	10.00
	W. E. Marvin .....	Cultivating alfalfa .....	25.00
	J. Jungermann .....	do .....	25.00
	A. F. Jorss .....	Mail rack .....	15.00
	Western Union Telegraph Co. ....	Service .....	.27
	do .....	do .....	58.65
27	H. Meislahn .....	Seeds .....	229.00
29	E. H. Morrison .....	Fertilizer .....	40.00
	M. Samuel .....	Services, etc. ....	10.00
	Underwood Typewriter Co. ....	Repairs .....	6.00
	Chas. D. Woods .....	Cultivating vegetables .....	13.82
	Yawman & Erbe Manufacturing Co. ....	Sections .....	64.35
	do .....	Sections, etc. ....	22.70
	do .....	do .....	22.55
Sept. 2	C. Wesley Coy. ....	Land rent .....	35.00
6	J. L. Coker .....	Cultivating cotton .....	291.48
7	N. B. Keeney & Son .....	Rent land .....	100.02
10	C. L. Allen .....	Raising vegetables .....	150.00
14	United States Express Co. ....	Transportation .....	4.33
	do .....	do .....	271.92
	do .....	do .....	97.37
	do .....	do .....	.35
17	Labor & School Supply Co. ....	Polariscope, etc. ....	251.90
19	Wichita Valley Rwy. Co. ....	Transportation .....	4.55
	Atlantic Coast Line R. R. Co. ....	Passenger transportation .....	8.10
	Chicago and Northwestern Rwy. Co. ....	do .....	10.45
	Texas Pacific Rwy. Co. ....	do .....	19.86
	do .....	do .....	37.30
	The Pullman Co. ....	do .....	17.50
	The Wabash R. R. Co. ....	do .....	10.85
	do .....	do .....	17.00
	do .....	do .....	4.35
	Southern Rwy. Co. ....	do .....	10.30
	Washington Southern Rwy. Co. ....	do .....	2.34
	Seaboard Air Line Rwy. Co. ....	do .....	4.10
	Texas Central R. R. Co. ....	do .....	1.24
	Texas Midland R. R. Co. ....	do .....	.68
	Houston East and West Texas Rwy. Co. ....	Transportation .....	6.09
	Northern Pacific Rwy. Co. ....	Passenger transportation .....	28.50
	The Oregon R. R. and Navigation Co. ....	do .....	22.40
	Florida and East Coast Rwy. Co. ....	do .....	40.25
	Houston and Western Texas R. R. Co. ....	do .....	5.10
	St. Louis Southwestern Rwy. Co. ....	do .....	8.63

Expenditures of the Department of Agriculture for fiscal year ending June 30, 1904—Cont'd.

## PURCHASE AND DISTRIBUTION OF VALUABLE SEEDS—Continued.

Date.	Name.	Nature of payment.	Total.
<i>Supplemental—Continued.</i>			
1904. Sept. 19	Missouri, Kansas and Texas Rwy. Co. ....	Passenger transportation.....	\$38.59
	International and Great Northern R. R. Co.	.....do.....	154.06
20	Adams Express Co. ....	Transportation.....	40.60
	.....do.....	.....do.....	40.67
	.....do.....	.....do.....	51.05
	J. M. Lupton.....	Land rent.....	10.00
24	Atlantic Coast Line R. R. Co. ....	Passenger transportation.....	1.20
	Chas. R. Edmonston.....	Stand, etc.....	12.50
	Baltimore and Ohio R. R. Co. ....	Transportation.....	28.46
	.....do.....	.....do.....	54.31
	Pennsylvania R. R. Co. ....	.....do.....	18.33
	Union Pacific R. R. Co. ....	.....do.....	1.46
	New York Central and Hudson River R. R. Co.	.....do.....	.45
	Star Union Line.....	.....do.....	.57
	Wells, Fargo & Co. Express Co	.....do.....	16.28
	Total.....		13,884.10

## RECAPITULATION.

Total first quarter.....	\$44,324.58
Total second quarter.....	24,832.12
Total third quarter.....	103,895.70
Total fourth quarter.....	62,915.01
Total supplemental.....	13,884.10
Total.....	249,851.51

## SETTLED BY UNITED STATES TREASURY.

Date.	Name.	Nature of payment.	Total.
1904. Feb. 10	Washington Southern Rwy. Co. ....	Transportation.....	\$41.82
	.....do.....	.....do.....	20.24
	.....do.....	.....do.....	3.85
	Chesapeake and Ohio Rwy. Co. ....	.....do.....	66.72
17	Southern Pacific Co. ....	Passenger transportation.....	76.70
Apr. 14	The Geo. W. Knox Express Co. ....	Transportation.....	2.30
June 12	Blue Line Transfer Co. ....	.....do.....	1.22
Sept. 8	Southern Pacific Co. ....	.....do.....	5.63
	.....do.....	.....do.....	31.44
	Total.....		249.92

## FOREIGN SEED AND PLANT INTRODUCTION.

1903. July 25	M. A. Handy.....	Copying card index.....	\$10.50
	G. L. Taber.....	Fruit trees.....	129.10
31	Grace Bell et al. ....	Salaries.....	111.10
Aug. 3	Edgar A. Metcalfe.....	Salary.....	22.58
12	D. S. Bliss.....	Traveling expenses.....	24.93
19	E. A. Bessey.....	Salary.....	126.40
	Seaman A. Knapp.....	.....do.....	168.50
	Fred. Stockwell.....	.....do.....	60.00
	P. H. Dorsett.....	Traveling expenses.....	33.30
	P. H. Rolfs.....	.....do.....	56.85
21	Edw. S. Schmid.....	20 pounds leaf mold.....	20.00
25	F. R. Holzmann.....	Salary.....	50.50
	S. A. Knapp.....	Expenses.....	35.00
	P. H. Rolfs.....	.....do.....	74.70
31	Grace Bell et al. ....	Salaries.....	111.10
Sept. 1	S. A. Knapp.....	Salary.....	168.50
3	Fred. Stockwell.....	.....do.....	60.00
5	G. W. Oliver.....	Traveling expenses.....	149.56
9	Yawman & Erbe Manufacturing Co. ....	File sections.....	65.50
11	M. G. Copeland Co. ....	Flag.....	3.41
17	E. A. Bessey.....	Salary.....	126.40
22	P. H. Dorsett.....	Traveling expenses.....	86.24
25	M. A. Carleton.....	.....do.....	235.09
30	Grace Bell et al. ....	Salaries.....	107.80
	Total first quarter.....		2,037.06

Expenditures of the Department of Agriculture for fiscal year ending June 30, 1904—Cont'd.

## FOREIGN SEED AND PLANT INTRODUCTION—Continued.

Date.	Name.	Nature of payment.	Total.
1903.			
Oct. 2	D. G. Fairchild	Salary	\$163.00
5	Fred. Stockwell	do	60.00
	S. A. Knapp	do	163.00
	E. A. Bessey	do	122.20
12	Wilson & Flye	Seeds	14.27
14	D. S. Bliss	Traveling expenses	2.95
19	A. H. Leidigh	do	3.45
	S. A. Knapp	Expenses	20.00
	do	do	27.82
	P. H. Rolfs	do	58.10
	S. A. Knapp	Traveling expenses	139.82
23	Edw. S. Schmid	Labels	15.00
26	M. A. Carleton	Traveling expenses	70.44
28	F. R. Holzmann	Services	99.50
31	The Atchison, Topeka and Santa Fe Rwy. Co.	Transportation	6.15
	Washington Southern Rwy. Co.	Passenger transportation	22.65
	Pennsylvania R. R. Co.	do	17.00
	The Chesapeake and Ohio Rwy. Co.	do	97.20
	Southern California Rwy. Co.	do	5.00
	Grace Bell et al.	Salaries	111.10
Nov. 3	S. A. Knapp	Salary	168.50
	Fred. Stockwell	do	60.00
	D. G. Fairchild	do	168.50
5	A. H. Leidigh	Traveling expenses	1.60
17	P. H. Dorsett	do	89.48
20	Wm. Bull & Sons	Bulbs	60.62
23	S. A. Knapp	Expenses	55.00
	Haage & Schmidt	Seeds	50.04
24	A. H. Leidigh	Expenses	5.60
	do	do	10.95
	Vilmorin, Audrieux & Co.	Oats, etc.	116.47
30	Grace Bell et al.	Salaries	107.80
Dec. 1	Edw. S. Schmid	Labels	37.50
2	Yawman & Erbe Manufacturing Co.	Sections	36.00
	Frank Harrison	Pen	2.50
	John C. Parker	Eyelet punch	1.14
3	D. S. Bliss	Traveling expenses	4.33
	U. S. Mailing Case Co.	Cases	5.46
4	P. H. Dorsett	Traveling expenses	128.30
	L. A. Fitz	do	13.85
	D. G. Fairchild	Salary	163.00
	Fred. Stockwell	do	60.00
5	A. H. Leidigh	Traveling expenses	14.45
	do	Expenses	2.45
8	Cleveland, Cincinnati, Chicago and St. Louis Rwy.	Passenger transportation	20.25
	Chicago and Northwestern Rwy. Co.	do	7.94
	Pennsylvania R. R. Co.	do	6.50
10	The Atchison, Topeka and Santa Fe Rwy. Co.	do	9.50
	D. G. Fairchild	Traveling expenses	6.40
	J. J. Dean	Seed	6.00
11	M. Du Perow	Reflector	1.50
14	Church & Stephenson	Lumber	22.95
	Anderson & Co.	Seeds	32.60
15	J. B. Evans	Traveling expenses	28.20
17	Henry L. Bolley	Salary	125.00
18	International and Great Northern R. R. Co.	Passenger transportation	8.45
	The Lake Shore and Michigan Southern Rwy. Co.	do	19.00
	Delaware, Lackawanna and Western R. R. Co.	do	8.00
	Chicago, St. Paul, Minneapolis and Omaha Rwy. Co.	do	6.40
19	Hattie L. Asseltine	Seed	5.00
31	Grace Bell et al.	Salaries	109.47
	Total second quarter		3,005.35
1904.			
Jan. 2	Wm. A. Taylor	Traveling expenses	111.46
5	S. A. Knapp	Expenses	44.85
	do	do	163.05
	E. G. Schollander	Traveling expenses	41.43
6	Fred. Stockwell	Salary	60.00
	H. L. Bolley	do	25.00
15	D. G. Fairchild	do	168.50
16	R. W. Heingartner	Pistachio nuts	31.00
	B. J. Agadjanian	Turpentine tree seeds	60.00
	S. A. Knapp	Expenses	74.75
	P. H. Dorsett	Traveling expenses	55.90



## 276 EXPENDITURES IN DEPARTMENT OF AGRICULTURE.

Expenditures of the Department of Agriculture for fiscal year ending June 30, 1904—Cont'd.

## FOREIGN SEED AND PLANT INTRODUCTION—Continued.

Date.	Name.	Nature of payment.	Total.
1904.			
Jan. 16	P. H. Dorsett.....	Traveling expenses.....	\$93.35
	F. R. Holzmann.....	Salary.....	99.50
20	Geo. S. Baker.....	Expenses.....	2.65
25	Pennsylvania R. R. Co.....	Passenger transportation.....	36.20
	Galveston, Harrisburg and San Antonio Rwy. Co.....	.....do.....	48.60
	Southern Pacific Co.....	.....do.....	6.70
	Vilmorin, Andrieux & Co.....	Seeds.....	7.05
	.....do.....	.....do.....	.31
29	Eimer & Amend.....	Bell glasses.....	41.25
30	D. G. Fairchild.....	Traveling expenses.....	73.14
	.....do.....	.....do.....	43.85
31	Grace Bell et al.....	Salaries.....	109.15
Feb. 2	Fred. Stockwell.....	Salary.....	60.00
	D. G. Fairchild.....	.....do.....	170.30
4	O. A. Thompson.....	.....do.....	34.10
	E. G. Schollander.....	Traveling expenses.....	9.25
	P. H. Dorsett.....	.....do.....	38.15
8	James E. Jones.....	Expenses.....	1.09
12	The J. F. W. Dorman Co. (Incorporated).....	Numbering machine.....	110.00
15	S. A. Knapp.....	Expenses.....	30.00
17	J. W. Watson.....	Repairs to building.....	46.69
	J. A. Riedesel.....	Wheat.....	106.25
	Edmond Hayden.....	Hauling.....	4.36
18	Southern California R. R. Co.....	Passenger transportation.....	14.55
	M. A. Carleton.....	Traveling expenses.....	117.50
23	Frank T. Budge.....	Dynamite.....	9.26
24	A. J. Pieters.....	Expenses.....	44.63
29	Grace Bell et al.....	Salaries.....	105.20
Mar. 1	D. G. Fairchild.....	Salary.....	159.40
2	F. R. Holzmann.....	Traveling expenses.....	18.75
5	O. A. Thompson.....	Salary.....	31.80
	Americus Fuller.....	Nuts.....	52.50
	Dammann & Co.....	Rye, etc.....	106.82
11	S. B. Hubbard Co.....	Pipe, etc.....	20.18
16	Actien Zueherfabrik Kwassitz.....	Barley.....	53.10
17	Chicago, Rock Island and Gulf Rwy. Co.....	Passenger transportation.....	9.05
	The Atchison, Topeka and Santa Fe Rwy. Co.....	.....do.....	28.75
	Pennsylvania R. R. Co.....	.....do.....	17.00
18	The Pullman Co.....	.....do.....	14.00
	Union Pacific R. R. Co.....	.....do.....	4.60
21	Sutton & Sons.....	Beans.....	29.40
22	L. A. Fitz.....	Traveling expenses.....	13.65
28	S. A. Knapp.....	Expenses.....	33.30
29	Haage & Schmidt.....	Grains.....	56.86
	J. B. Evans.....	Traveling expenses.....	39.55
31	Grace Bell et al.....	Salaries.....	112.40
	Total third quarter.....		3,100.10
Apr. 4	O. A. Thompson.....	Salary.....	34.10
	A. H. Leidigh.....	Traveling expenses.....	11.50
	E. A. Bessey.....	Salary.....	70.05
	D. G. Fairchild.....	.....do.....	170.30
9	A. J. Pieters.....	Expenses.....	82.43
11	W. P. Snyder.....	Salary.....	21.29
14	P. H. Dorsett.....	Traveling expenses.....	20.15
18	Franck Joly.....	Seeds.....	51.16
	Socrates Xanthapaulo.....	.....do.....	97.75
19	Etienne Salamon et fils.....	Grapevines.....	198.18
20	Chicago, Milwaukee and St. Paul Rwy. Co.....	Passenger transportation.....	14.60
	New York Central and Hudson River R. R. Co.....	.....do.....	38.50
	Northern Pacific Rwy. Co.....	.....do.....	68.50
	Chicago and Alton Rwy. Co.....	.....do.....	7.50
	Terre Haute and Indianapolis R. R. Co.....	.....do.....	19.25
	S. A. Knapp.....	Expenses.....	30.00
22	Chicago, Rock Island and Pacific Rwy. Co.....	Passenger transportation.....	29.25
29	A. H. Leidigh.....	Expenses.....	5.05
30	Grace Bell et al.....	Salaries.....	108.80
May 2	J. B. Evans.....	Traveling expenses.....	24.15
3	D. G. Fairchild.....	Salary.....	164.80
4	E. A. Bessey.....	.....do.....	123.60
	W. P. Snyder.....	.....do.....	60.00
	J. S. Cole.....	.....do.....	60.00
	L. A. Fitz.....	.....do.....	50.00
	Allmana Svenska-Utsides Aktiebolaget.....	Seed barley.....	43.14
	O. A. Thompson.....	Salary.....	33.00

Expenditures of the Department of Agriculture for fiscal year ending June 30, 1904—Cont'd.

## FOREIGN SEED AND PLANT INTRODUCTION—Continued.

Date.	Name.	Nature of payment.	Total.
1904.			
May 4	P. H. Rolfs	Salary	\$206.00
	C. L. Franklin	do	15.00
	W. N. Brewster	Trees	10.00
6	Suzuki & Iida	Seeds	5.50
	Pen Carbon Manifold Co.	Carbon	2.50
13	The Hammond Typewriter Co.	Typewriter	85.00
16	Edwd. Goucher	Traveling expenses	13.25
	A. H. Leidigh	Expenses	1.20
	do.	Traveling expenses	5.95
18	Pennsylvania R. R. Co.	Passenger transportation	69.97
	The Chesapeake and Ohio Rwy. Co.	do	17.15
	The Texas Pacific Rwy. Co.	do	37.30
25	Delano & Moore	Photo supplies	126.15
	Chicago Great Western Rwy. Co.	Passenger transportation	28.05
28	M. A. Carleton	Traveling expenses	108.72
31	Grace Bell et al.	Salaries	112.40
June 2	D. G. Fairchild	Salary	170.49
	R. L. Beagles	do	40.00
	P. H. Rolfs	do	213.00
	W. P. Snyder	do	60.00
	O. A. Thompson	do	34.00
	Chas. L. Franklin	do	30.00
	L. A. Fitz	do	50.00
	I. G. Marks	do	50.00
3	J. G. Murphy	Harness	30.00
	The Nichols Hardware Co.	Wagon	120.00
	H. W. Steadman	Labor	27.00
	Latham & Co.	Mango plants	68.30
6	Edwd. S. Schmid	Labels, etc.	47.50
	Chas. P. Swett	Tags	12.50
8	S. A. Knapp	Expenses	43.65
	A. H. Leidigh	Traveling expenses	11.70
	J. T. Willard	Expenses	60.00
11	J. S. Cole	Salary	60.00
	J. B. Evans	Traveling expenses	24.75
14	J. Murphy & Sons	Labor	87.50
17	D. S. Bliss	Traveling expenses	22.13
	I. G. Marks	do	26.35
21	R. L. Beagles	do	7.65
	E. Morrison Paper Co.	Tags	7.12
22	A. V. Stubenrauch	Expenses	44.86
30	Grace Bell et al.	Salaries	108.80
	Total fourth quarter		3,933.40
	<i>Supplemental.</i>		
July 1	F. R. Holzman	Salary	101.60
2	C. L. Franklin	do	30.00
	P. H. Rolfs	do	206.00
	D. G. Fairchild	do	164.80
	J. S. Cole	do	60.00
	W. P. Snyder	do	60.00
	I. G. Marks	do	50.00
	L. A. Fitz	do	50.00
	R. L. Beagles	do	40.00
	O. A. Thompson	do	33.00
5	A. H. Leidigh	Traveling expenses	33.25
6	M. A. Carleton	do	28.15
	A. H. Leidigh	Expenses	.50
9	A. V. Stubenrauch	do	288.60
	Edwd. Hurdle	Gutter, etc.	65.00
14	H. H. Boyle	Traveling expenses	11.80
	H. W. Stedman	Labor	27.00
15	S. A. Knapp	Expenses	2.00
18	A. J. Pieters	do	28.37
	A. H. Leidigh	do	16.63
	do.	Traveling expenses	1.50
	E. Immer & Son	Seed	86.85
	Jas. S. Topham	Traveling case	35.00
19	Pen Carbon Manifold Co.	Pen carbon paper	15.00
20	Baltimore and Ohio R. R. Co.	Traveling expenses	37.30
	Thos. R. Riley	Lumber	48.10
	Rudolph, West & Co.	Nails, etc.	35.90
23	E. A. Bessey	Services	8.24
	do.	Expenses	80.65
	E. W. Churchill	do	276.69
	Southern Rwy. Co.	Passenger transportation	38.35
	Terre Haute and Indianapolis R. R. Co.	do	6.24

Expenditures of the Department of Agriculture for fiscal year ending June 30, 1904—Cont'd.

## FOREIGN SEED AND PLANT INTRODUCTION—Continued.

Date.	Name.	Nature of payment.	Total.
<i>Supplemental—Continued.</i>			
1904.			
July 23	J. Murphy	Bricks	\$77.00
26	S. A. Knapp	Expenses	1.50
	Church & Stephenson	Lumber	105.50
30	Chicago Great Western Rwy. Co.	Passenger transportation	8.00
	The Missouri Pacific R. R. Co.	do.	50.00
	Union Pacific R. R. Co.	do.	4.60
	R. P. Skinner	Seeds	101.25
Aug. 3	Chas. R. Edmonston	Filter	53.00
	do.	Stand	12.50
	Thos. Somerville & Sons	Plumbing material	61.88
	do.	do.	59.32
	National Electric Supply Co.	Desk fans	105.00
	The Smith Premier Typewriter Co.	Typewriter, etc.	92.25
	E. G. Schafer & Co.	Valves, etc.	93.00
	do.	do.	100.00
	Rudolph, West & Co.	Saw, etc.	2.47
	Thos. R. Riley	Lumber	4.48
	Remington Typewriter Co.	Typewriter and cover	92.25
	W. T. Walker Brick Co.	Bricks	480.60
	The Washington Market Co.	Bulbs	5.40
	E. G. Schafer & Co.	Tees	31.82
	do.	Pipes, etc.	36.47
4	Church & Stephenson	Lumber	868.34
5	H. E. Juenemann	Traveling expenses	50.70
8	Fresno Vineyard Co.	Expenses	68.25
18	A. B. Farquhar Co.	Thrashing machines	115.00
	Manhattan Electric Supply Co.	Ceiling fans	170.00
	J. A. McFeely	Tank	45.00
	do.	Engine	135.00
	Louis Van Houtte Père	Plants	11.58
	Yawman & Erbe Manufacturing Co.	Sections	14.00
22	P. H. Dorsett	Traveling expenses	79.82
25	A. V. Stubenrauch	Expenses	48.00
29	Thos. Somerville & Sons	Plumbing	18.18
	do.	Pipe, etc.	203.22
Sept. 7	D. G. Fairchild	Traveling expenses	92.39
14	Church & Stephenson	Lumber	24.00
	do.	do.	184.25
	do.	do.	29.60
	do.	Transoms	24.00
	do.	Lumber	85.00
	do.	do.	29.28
	do.	do.	56.00
19	Pennsylvania R. R. Co.	Passenger transportation	9.84
	Chicago, Rock Island and Pacific Rwy. Co.	do.	13.59
	The Texas and Pacific Rwy. Co.	do.	16.00
	Baltimore and Ohio R. R. Co.	do.	19.50
	The Pullman Co.	do.	25.50
	Southern Rwy. Co.	do.	64.05
	Fort Worth and Denver City Rwy. Co.	do.	11.65
	The Delaware, Lackawanna and Western R. R. Co.	do.	5.83
20	Alexandria Bonded Warehouse Co.	Palms, etc.	239.75
	Total		6,302.13

## RECAPITULATION.

Total first quarter	\$2,037.06
Total second quarter	3,005.35
Total third quarter	3,100.10
Total fourth quarter	3,933.40
Total supplemental	6,302.13
--- Total	18,378.04

## ACCOUNTS PAID BY UNITED STATES TREASURY.

Date.	Name.	Nature of payment.	Total.
1904.			
Feb. 17	Southern Pacific Co.	Passenger transportation	\$21.10
Sept. 8	The Chesapeake and Ohio Rwy. Co.	do.	77.00
	Total		98.10



Expenditures of the Department of Agriculture for fiscal year ending June 30, 1904—Cont'd.

## SPECIAL AGENTS.

Date.	Name.	Nature of payment.	Total.
1904.	J. E. W. Tracy	Vouchers, 1904.	\$1,376.69
	P. H. Dorsett	do.	1,869.87
	H. L. Bailey	do.	1,320.76
	G. T. Moore	do.	1,422.97
	E. A. Bessey	do.	911.24
	Total		6,901.53

## INVESTIGATING PRODUCTION OF DOMESTIC SUGAR.

1903.			
Aug. 10	Chas. F. Saylor	Salary	\$225.00
	do.	Traveling expenses	71.27
	do.	Expenses	11.90
17	The Press Clipping Bureau	Clippings	5.00
Sept. 3	C. F. Saylor	Salary	225.00
16	do.	Traveling expenses	173.35
	Total first quarter		711.52
Oct. 10	Chas. F. Saylor	Salary	225.00
	do.	Expenses	6.10
	do.	do.	4.50
7	do.	Traveling expenses	132.80
	do.	Salary	225.00
8	Union Pacific R. R. Co.	Passenger transportation	21.25
	Chas. F. Saylor	Expenses	14.85
	do.	do.	24.00
	do.	Traveling expenses	44.97
	do.	Salary	225.00
Dec. 18	Denver and Rio Grande R. R. Co.	Passenger transportation	18.00
	Total second quarter		941.47
1904.			
Jan. 14	C. F. Saylor	Salary	225.00
16	do.	Expenses	52.50
Feb. 4	do.	Salary	225.00
6	do.	Expenses	67.00
	do.	Traveling expenses	13.25
Mar. 1	do.	Salary	225.00
8	do.	Expenses	2.40
9	do.	do.	32.40
	do.	Traveling expenses	81.15
31	do.	Salary	225.00
	Total third quarter		1,148.70
Apr. 9	Bretannos	Pen.	5.00
20	C. F. Saylor	Traveling expenses	92.50
	do.	Expenses	36.47
	do.	do.	31.00
22	Chicago, Rock Island and Pacific Rwy. Co.	Passenger transportation	37.95
May 9	Chas. F. Saylor	Salary	225.00
	do.	Traveling expenses	28.65
	do.	Expenses	14.00
11	do.	Salary	225.00
June 17	do.	Traveling expenses	63.35
20	do.	Expenses	11.35
	Total fourth quarter		770.27
1904.	<i>Supplemental.</i>		
July 14	Chas. F. Saylor	Services	225.00
	do.	Traveling expenses	78.77
20	Baltimore and Ohio R. R. Co.	Passenger transportation	17.50
23	Pennsylvania R. R. Co.	do.	17.00
30	The Wabash R. R. Co.	do.	9.85
Aug. 8	C. F. Saylor	Expenses	9.70
29	United States Express Co.	Transportation	4.85
Sept. 19	Chicago, Rock Island and Pacific Rwy. Co.	Passenger transportation	30.45
	The Minneapolis and St. Louis R. R. Co.	do.	8.00
	Chicago Great Western Rwy. Co.	do.	6.65
	The Missouri Pacific Rwy. Co.	do.	7.50
	Northern Pacific Rwy. Co.	do.	18.13
	Total		433.40

Expenditures of the Department of Agriculture for fiscal year ending June 30, 1904—Cont'd.

## RECAPITULATION.

Total first quarter .....	\$711.52
Total second quarter .....	941.47
Total third quarter .....	1,148.70
Total fourth quarter .....	770.27
Total supplemental .....	443.40
Total .....	4,015.36

## COTTON BOLL WEEVIL INVESTIGATIONS, 1904-5—ENTOMOLOGY.

Date.	Name.	Nature of payment.	Total.
1904.			
Jan. 31	A. A. Girault .....	Salary .....	\$11.29
Feb. 9	Lamb & Tilden .....	Racks .....	1.30
23	Henry J. Green .....	Thermometers .....	4.00
	A. L. Quaintance .....	Traveling expenses .....	29.10
	Whitall, Tatum Co. ....	Spatulas .....	.30
29	J. C. Crawford, jr. ....	Services .....	51.72
	Charles T. Brues .....	.....do .....	34.48
	A. Arsène Girault .....	.....do .....	50.00
	F. C. Bishopp .....	.....do .....	51.72
	Austin J. Leister .....	.....do .....	23.08
Mar. 2	A. Arsène Girault .....	Traveling expenses .....	24.20
3	E. Morrison Paper Co. ....	Scrap books, etc. ....	1.80
4	R. R. Baker .....	Furniture, etc. ....	34.90
5	J. W. Rodgers .....	.....do .....	30.75
	Whitall, Tatum Co. ....	Jars, etc. ....	9.98
10	W. D. Hunter .....	Traveling expenses .....	112.70
	Austin J. Leister .....	.....do .....	13.55
	A. W. Morrill .....	.....do .....	31.83
	W. D. Hunter .....	Expenses .....	94.92
	J. C. Crawford .....	Traveling expenses .....	61.45
11	L. L. Laycock .....	Hauling cotton seed .....	20.50
	.....do .....	Use of horse and buggy .....	24.00
	Amy D. Gartrell .....	Stenographic work .....	23.50
16	F. C. Bishopp .....	Traveling expenses .....	47.40
18	Pennsylvania R. R. Co. ....	Passenger transportation .....	71.40
	Z. D. Gilman .....	Slides, etc. ....	27.33
21	American Entomological Co. ....	Apparatus for mounting, etc. ....	35.15
	A. P. Borden .....	Cotton seed .....	643.75
	Bausch & Lomb Optical Co. ....	Case, etc. ....	16.25
	The Globe-Wernicke Co. ....	Cabinets, etc. ....	40.26
	Arthur H. Thomas Co. ....	Circles .....	1.60
22	Delano & Moore .....	Photo supplies .....	218.12
23	Charles T. Brues .....	Traveling expenses .....	21.45
	A. L. Quaintance .....	Expenses .....	26.64
	.....do .....	Traveling expenses .....	101.70
28	New York, Texas and Mexican Rwy. Co. ....	Passenger transportation .....	3.80
	.....do .....	.....do .....	18.55
	New Orleans and Northeastern R. R. Co. ....	.....do .....	5.55
29	Mackall Bros. ....	Jars .....	3.14
	Delano & Moore .....	Photo supplies .....	38.54
	Schneider Bros. ....	Hygrometer, etc. ....	33.75
31	Charles T. Brues .....	Salary .....	100.00
	F. C. Bishopp .....	.....do .....	100.00
	A. Arsène Girault .....	.....do .....	50.00
	Total third quarter .....		2,345.40
Apr. 4	J. C. Crawford, jr. ....	Salary .....	100.00
	Austin J. Leister .....	.....do .....	102.20
	Charles M. Walker .....	.....do .....	100.00
7	A. Arsène Girault .....	Traveling expenses .....	41.75
9	Warren E. Hinds .....	.....do .....	36.74
	W. D. Hunter .....	.....do .....	166.25
	A. L. Quaintance .....	Expenses .....	74.29
	W. D. Hunter .....	.....do .....	156.55
	Charles M. Walker .....	Traveling expenses .....	49.02
11	Julien P. Friez .....	Thermographs, etc. ....	100.85
12	Brosius Bros. ....	Hire horse and buggy .....	25.00
	L. L. Laycock .....	.....do .....	30.00
	Queen & Co. (Incorporated) .....	Table, etc. ....	6.94
	Virginia-Carolina Chemical Co. ....	Fertilizer .....	465.72
	B. D. Wilson .....	Cotton seed .....	25.00
14	Delano & Moore .....	Camera .....	38.00
	Remington Typewriter Co. ....	Typewriter and cover .....	92.25
18	Delano & Moore .....	Camera .....	38.00
19	Cleveland Compress and Warehouse Co. ....	Freight and storage .....	393.68
	J. C. Crawford, jr. ....	Traveling expenses .....	90.15
	Springer Goes .....	Services .....	102.20
	Charles T. Brues .....	Traveling expenses .....	60.30
	A. W. Morrill .....	.....do .....	115.33

EXPENDITURES IN DEPARTMENT OF AGRICULTURE. 281

Expenditures of the Department of Agriculture for fiscal year ending June 30, 1904—Cont'd.

COTTON BOLL WEEVIL INVESTIGATIONS, 1904-5—ENTOMOLOGY—Continued.

Date.	Name.	Nature of payment.	Total.
1904.			
Apr. 19	A. L. Quaintance.....	Expenses.....	\$64.80
	.....do.....	.....do.....	34.25
	A. J. Leister.....	Traveling expenses.....	9.00
	F. C. Bishopp.....	.....do.....	77.05
	Whitall, Tatum Co.....	Bellglass.....	3.00
20	Gulf, Colorado and Santa Fe Rwy. Co.....	Passenger transportation.....	6.00
	Galveston, Harrisburg and San Antonio Rwy. Co.....	.....do.....	10.10
	The Pullman Co.....	.....do.....	32.50
	The Yazoo and Mississippi Valley R. R. Co.....	.....do.....	3.40
	Southern Rwy. Co.....	.....do.....	39.30
	.....do.....	.....do.....	78.60
	.....do.....	.....do.....	117.90
	The Geo. W. Knox Express Co.....	Transportation.....	1.65
	Virginia-Carolina Chemical Co.....	Kainit, etc.....	143.04
	A. Arsène Girault.....	Traveling expenses.....	28.86
	Bausch & Lomb Optical Co.....	Laboratory supplies.....	75.75
21	Springer Goes.....	Traveling expenses.....	84.45
28	Gulf, Western Texas and Pacific Rwy. Co.....	Passenger transportation.....	8.90
	Houston and Texas Central R. R. Co.....	.....do.....	28.70
	Texas Midland R. R.....	.....do.....	21.30
	.....do.....	.....do.....	11.70
	San Antonio and Aransas Pass Rwy. Co.....	.....do.....	18.05
	.....do.....	.....do.....	3.85
	New York, Texas and Mexican Rwy. Co.....	.....do.....	26.50
30	Charles T. Brues.....	Salary.....	100.00
	A. Arsène Girault.....	.....do.....	50.00
May 2	Charles M. Walker.....	.....do.....	100.00
	James Hull.....	.....do.....	100.00
	J. C. Crawford, jr.....	.....do.....	100.00
	Austin J. Leister.....	.....do.....	98.90
4	American Entomological Co.....	Boxes.....	48.00
9	A. L. Quaintance.....	Expenses.....	80.32
	W. D. Hunter.....	.....do.....	108.25
11	A. L. Quaintance.....	.....do.....	54.73
	P. C. Bishopp.....	Salary.....	100.00
	E. S. G. Titus.....	Traveling expenses.....	25.95
	Chas. T. Brues.....	.....do.....	48.05
	J. C. Crawford, jr.....	.....do.....	117.95
12	L. L. Laycock.....	Use horse, etc.....	30.02
	A. W. Morrill.....	Traveling expenses.....	98.10
	C. M. Walker.....	.....do.....	42.80
	Warren E. Hinds.....	.....do.....	28.00
13	A. L. Quaintance.....	.....do.....	102.66
16	Bausch & Lomb Optical Co.....	Microscope, etc.....	62.10
	W. B. Moses & Sons.....	Cases.....	4.80
	Brosius Bros.....	Use horse, etc.....	25.00
	E. D. Sanderson.....	Services.....	2.00
	C. E. Sanborn.....	.....do.....	85.00
	Arthur E. Lewis.....	.....do.....	70.00
	.....do.....	Traveling expenses.....	2.05
	A. L. Quaintance.....	.....do.....	75.36
18	Galveston, Harrisburg and San Antonio Rwy. Co.....	Passenger transportation.....	31.20
	W. D. Hunter.....	Traveling expenses.....	140.40
23	Springer Goes.....	.....do.....	95.80
	.....do.....	Salary.....	100.00
	H. S. Barber.....	Traveling expenses.....	28.45
	A. Arsène Girault.....	.....do.....	45.00
	E. S. G. Titus.....	Traveling expenses.....	38.95
26	Southern Rwy. Co.....	Passenger transportation.....	111.10
	Gulf, Western Texas and Pacific Rwy. Co.....	.....do.....	12.15
	Washington Southern Rwy. Co.....	.....do.....	54.05
	New York, Texas and Mexican Rwy. Co.....	.....do.....	45.50
28	L. O. Howard.....	Traveling expenses.....	313.50
June 1	Chas. T. Brues.....	Salary.....	100.00
	F. C. Bishopp.....	.....do.....	100.00
	A. Arsène Girault.....	.....do.....	50.00
	J. C. Crawford, jr.....	.....do.....	100.00
	Chas. M. Walker.....	.....do.....	100.00
	A. J. Leister.....	.....do.....	102.20
11	A. L. Quaintance.....	Expenses.....	62.60
	L. L. Laycock.....	Use horse, etc.....	30.00
	B. F. Jordan.....	Labor.....	30.00
	Springer Goes.....	Salary.....	100.00
	.....do.....	Traveling expenses.....	101.25
	A. Arsène Girault.....	.....do.....	45.70
	J. C. Crawford, jr.....	.....do.....	133.90



282 EXPENDITURES IN DEPARTMENT OF AGRICULTURE.

Expenditures of the Department of Agriculture for fiscal year ending June 30, 1904—Cont'd.

COTTON BOLLWEEVIL INVESTIGATIONS, 1904-5—ENTOMOLOGY—Continued.

Date.	Name.	Nature of payment.	Total.
1904.			
June 11	A. W. Morrill	Traveling expenses	\$113.10
	Warren E. Hinds	do	28.00
	A. L. Quaintance	do	106.48
	W. D. Hunter	do	99.80
	Chas. T. Brues	do	46.35
	Chas. M. Walker	do	33.00
	A. L. Quaintance	Expenses	11.95
18	Arthur C. Lewis	Salary	70.00
	Chas. E. Sanborn	do	85.00
	do	Traveling expenses	14.45
	F. C. Bishopp	do	116.50
	E. D. Sanderson	do	21.00
	F. C. Bishopp	do	89.75
	Cleveland Compress and Warehouse Co.	Freight and drayage	564.08
	do	do	77.83
20	J. Adone	Machine	25.00
	Adams Express Co	Transportation	103.93
	Jas. Bute	Paris green	49.00
	Brosius Bros	Use of horse, etc.	25.00
	F. T. Coleman	Poison distributor	25.00
	A. W. Buckner	Traveling expenses	65.90
	J. B. Garrett	do	59.05
	R. C. Howell	do	57.90
	E. S. Hardy	do	63.70
	J. Lingo	Racyle	50.00
	Western Union Telegraph Co.	Service	4.52
	Arthur H. Thomas Co.	Microscope	113.00
21	W. D. Hunter	Expenses	112.85
23	A. L. Quaintance	do	19.50
	S. E. McClendon	Traveling expenses	71.10
	Total fourth quarter		9,494.45
July 6	W. D. Pierce	Salary	100.00
	A. J. Leister	do	98.90
	C. F. Brues	do	100.00
	A. C. Morgan	do	100.00
	W. W. Yothers	do	100.00
	Wm. A. Hooker	do	100.00
	F. C. Bishopp	do	100.00
	A. Arsène Girault	do	50.00
	J. C. Crawford, jr	do	100.00
	Chas. M. Walker	do	100.00
	Springer Goes	do	100.00
9	E. S. G. Titus	Traveling expenses	17.00
11	J. C. Crawford, jr	do	154.90
14	Brosius Bros	Use horse, etc.	25.00
	L. L. Lycock	do	30.00
	B. T. Jordan	Labor	30.00
15	H. S. Barber	Traveling expenses	67.55
	do	do	42.96
	W. D. Hunter	do	98.45
	A. C. Lewis	do	3.50
	do	Expenses	7.04
	R. C. Morgan	Traveling expenses	71.50
	W. D. Pierce	do	135.65
	W. W. Yothers	do	48.00
	A. L. Quaintance	do	84.25
	do	Expenses	59.98
19	Bailey Mills Co	Ice box	61.00
	Cleveland Compress and Warehouse Co.	Seed	56.40
	Dust Sprayer Manufacturing Co.	Sprayer	22.00
	W. H. Mackrell	Iron box, etc.	11.50
20	F. C. Bishopp	Traveling expenses	73.90
	C. T. Brues	do	48.00
	A. C. Lewis	Services	70.00
	C. E. Sanborn	Traveling expenses	16.20
	do	Services	85.00
	Baltimore and Ohio R. R. Co.	Passenger transportation	69.00
23	A. A. Girault	Traveling expenses	42.75
	Springer Goes	do	98.40
	W. A. Hcoker	do	108.95
	W. D. Hunter	Expenses	118.13
	A. W. Morrill	Traveling expenses	106.95
	Chas. M. Walker	do	33.00
	Pennsylvania R. R. Co.	Passenger transportation	6.50
	Southern Rwy. Co.	do	23.00
26	E. D. Sanderson	Traveling expenses	10.15

Expenditures of the Department of Agriculture for fiscal year ending June 30, 1904—Cont'd.

## COTTON BOLL WEEVIL INVESTIGATIONS, 1904-5—ENTOMOLOGY—Continued.

Date.	Name.	Nature of payment.	Total.
1904. July 30	Galveston, Harrisburg and San Antonio Rwy. Co.	Passenger transportation.....	\$23.20
	do.	do.	24.00
	Houston and Texas Central R. R. Co.	do.	18.55
	do.	do.	12.45
	New York, Texas and Mexican Rwy. Co.	do.	29.20
	do.	Transportation.	8.08
	Missouri, Kansas and Texas Rwy. Co.	Passenger transportation.	12.40
	do.	do.	8.25
	International and Great Northern R. R. Co.	do.	2.95
	Texas and Pacific R. R. Co.	do.	4.90
	Texas and New Orleans R. R. Co.	do.	4.75
	Texas and Mexican Rwy. Co.	do.	4.80
	Gulf, Colorado and Santa Fe Rwy. Co.	do.	6.00
	Kansas City Southern Rwy. Co.	do.	6.25
	New Orleans and Northeastern R. R. Co.	do.	14.55
	Gulf, Western Texas and Pacific Rwy. Co.	do.	4.45
	Morgan's Louisiana and Texas R. R. and S. S. Co.	do.	4.50
Aug. 1	F. C. Bishopp	Services	100.00
	A. A. Girault	do.	50.00
	C. R. Jones	do.	75.00
	C. T. Brues	do.	100.00
	A. L. Quaintance	do.	166.66
2	E. D. Sanderson	Traveling expenses	13.85
3	Delano & Moore	Prints	2.63
6	W. D. Hunter	Services	208.33
	G. H. Harris	do.	125.00
	J. C. Crawford, jr.	do.	100.00
	W. C. Hooker	do.	100.00
	A. J. Liestner	do.	100.00
	A. W. Morrill	do.	100.00
	A. C. Morgan	do.	100.00
	W. D. Pierce	do.	100.00
	C. M. Walker	do.	100.00
	W. W. Yothers	do.	100.00
8	F. C. Bishopp	Traveling expenses	116.55
	C. R. Jones	do.	96.30
	W. R. Pierce	do.	44.00
	A. L. Quaintance	do.	94.17
	C. M. Walker	do.	38.58
11	C. E. Sanborn	Services	85.00
	A. C. Lewis	do.	70.00
	do.	Traveling expenses	1.50
	do.	Expenses	3.50
	W. D. Hunter	do.	147.84
	do.	Traveling expenses	107.95
	W. A. Hooker	do.	189.30
	A. C. Morgan	do.	68.35
	A. W. Morrill	do.	155.90
	E. D. Sanderson	do.	15.20
12	Colman Buchanan	Farm labor	30.00
16	J. C. Crawford	Traveling expenses	132.25
	Springer Goes	do.	111.40
	do.	Services	100.00
	W. E. Hinds	do.	125.00
	do.	Traveling expenses	17.25
	do.	do.	17.06
	G. H. Harris	do.	76.40
	do.	Expenses	4.05
	W. W. Yothers	Traveling expenses	85.80
	Western Union Telegraph Co.	Service	4.66
17	C. A. Antonilli	Cages for ants	12.45
	The Bailey Mills Co.	Shovels, etc.	114.55
	Broslus Bros.	Use horse, etc.	25.00
	Jas. Bute	Paris green	42.00
	B. T. Jordan	Labor	39.75
18	C. T. Brues	Traveling expenses	42.13
	Garth, Howell & Webb	Screen	7.15
	Jas. Hull	Labor	28.30
	L. L. Laycock	Use horse, etc.	30.00
	Cleveland Compress and Warehouse Co.	Storage	164.35
25	A. L. Quaintance	Expenses	27.34
	do.	do.	60.35
	A. A. Girault	Traveling expenses	44.05
27	Bausch & Lomb Optical Co.	Desiccator, etc.	10.02
	Jas. A. Browne	Passenger transportation	15.00
	Bausch & Lomb Optical Co.	Lens	22.50
29	C. Weichsel	Seed plates	25.04

*Expenditures of the Department of Agriculture for fiscal year ending June 30, 1904—Cont'd.*

## COTTON BOLL WEEVIL INVESTIGATIONS, 1904-5—ENTOMOLOGY—Continued.

Date.	Name.	Nature of payment.	Total.
1904.			
Aug. 29	C. Weichsel	Camera	\$48.75
Sept. 6	A. L. Quaintance	Salary	166.67
	A. A. Girault	do.	50.00
	W. D. Pierce	do.	100.00
	A. J. Leister	do.	100.00
	A. C. Morgan	do.	100.00
	W. D. Hunter	do.	208.33
	A. W. Morrill	do.	100.00
	W. A. Hooker	do.	100.00
	W. W. Yothers	do.	100.00
	Springer Goes	do.	100.00
	J. C. Crawford, jr.	do.	100.00
	W. E. Hinds	do.	125.00
	C. M. Walker	do.	100.00
	Chas. T. Brues	do.	100.00
	Chas. R. Jones	do.	75.00
	F. C. Bishopp	do.	100.00
	Jos. D. Hanby	Rent	168.00
10	G. H. Harris	Salary	125.00
	A. C. Lewis	do.	70.00
	Chas. C. Sanborn	do.	85.00
	A. F. Conradi	do.	5.00
	Brosius Bros.	Hire horse and buggy	25.00
14	United States Express Co.	Transportation	4.25
15	Chas. T. Brues	Traveling expenses	47.10
	Warren E. Hinds	do.	28.00
	A. L. Quaintance	do.	98.58
	do.	Expenses	78.39
16	A. A. Girault	Traveling expenses	45.25
17	W. A. Hooker	do.	178.80
19	Missouri, Kansas and Texas Rwy. Co.	Passenger transportation	4.60
	do.	do.	25.00
	International and Great Northern R. R. Co.	do.	32.20
	New York, Texas and Mexican Rwy. Co.	do.	70.40
	do.	do.	38.35
	do.	do.	31.45
	Houston, East and West Texas Rwy. Co.	do.	3.35
	Houston and Texas Central R. R. Co.	do.	9.10
	do.	do.	28.55
	do.	do.	27.00
	do.	do.	16.40
	do.	do.	11.65
	do.	do.	5.60
	Gulf, Colorado and Santa Fe Rwy. Co.	do.	6.00
	Galveston, Harrisburg and San Antonio Rwy. Co.	do.	7.60
	do.	do.	9.00
	St. Louis Southwestern Rwy. Co. of Texas.	do.	11.40
	San Antonio and Aransas Pass Rwy. Co.	do.	12.85
	do.	do.	12.75
	do.	do.	4.45
	The Kansas City Southern Rwy. Co.	do.	6.25
	do.	do.	6.85
	New Orleans and Northeastern R. R. Co.	do.	5.55
	do.	do.	20.10
	The Colorado and Southern Rwy. Co.	do.	25.95
	Texas Midland R. R. Co.	do.	4.30
	do.	do.	4.25
	Missouri, Kansas and Texas Rwy. Co.	do.	17.85
	Gulf, Western Texas and Pacific Rwy. Co.	do.	4.45
	The Yazoo and Mississippi Valley R. R. Co.	do.	11.00
	The Texas Pacific Rwy. Co.	do.	9.40
	do.	do.	8.05
	do.	do.	5.55
	The Pullman Co.	do.	2.00
	do.	do.	2.00
	do.	do.	19.50
	do.	do.	15.75
	Southern Rwy. Co.	do.	117.90
20	Springer Goes	Traveling expenses	107.55
	Chas. R. Jones	do.	138.55
	C. M. Walker	do.	40.75
	W. W. Yothers	do.	91.70
	J. C. Crawford, jr.	do.	151.10
	W. D. Pierce	do.	132.35
	A. C. Morgan	do.	100.75
	G. H. Harris	do.	116.80
	F. C. Bishopp	do.	116.00
	E. D. Sanderson	do.	3.00



Expenditures of the Department of Agriculture for fiscal year ending June 30, 1904—Cont'd.

COTTON BOLL WEEVIL INVESTIGATIONS, 1904-5—ENTOMOLOGY—Continued.

Date.	Name.	Nature of payment.	Total.
1904. Sept. 20	W. D. Hunter.....	Expenses.....	\$47.14
	.....do.....	Traveling expenses.....	116.50
24	B. T. Jordan.....	Labor.....	37.50
	L. L. Laycock.....	Use horse, etc.....	30.00
	Howell Bros.....	Feed.....	6.71
	J. F. Hart.....	Bookcase.....	10.00
	Total.....		12,084.43

RECAPITULATION.

Total third quarter 1904.....	\$2,345.40
Total fourth quarter 1904.....	9,494.45
Total first quarter 1905.....	12,084.43
Total.....	23,924.28

COTTON BOLL WEEVIL INVESTIGATIONS, 1904-5—PLANT INDUSTRY.

Date.	Name.	Nature of payment.	Total.
1904. Feb. 2	S. A. Knapp.....	Salary.....	\$131.87
13	W. A. Orton.....	Traveling expenses.....	23.29
24	James S. Topham.....	Case.....	24.00
	American Writing Machine Co.....	Typewriter paper.....	38.00
29	L. H. Davenport et al.....	Salaries.....	79.49
Mar. 2	S. A. Knapp.....	Traveling expenses.....	87.98
	A. W. Edson.....	Salary.....	95.60
	.....do.....	Traveling expenses.....	39.75
5	U. S. Envelope Co.....	Envelopes.....	221.00
11	Geo. W. Curtis.....	Traveling expenses.....	46.05
12	B. H. Mitchell.....	Salary.....	41.38
	J. L. Quicksall.....	do.....	31.03
	G. W. Curtis.....	do.....	225.33
	W. M. Bamberge.....	do.....	69.68
	S. H. Watson.....	do.....	52.42
	Wm. F. Proctor.....	do.....	37.24
	J. E. Wemple.....	do.....	33.10
	H. W. Joyce.....	do.....	16.55
	J. E. Adger.....	do.....	24.83
	Mariana Crosby.....	do.....	49.66
	J. A. Palmer.....	do.....	26.90
	R. R. Claridge.....	do.....	12.41
	J. W. Stiles.....	do.....	57.93
	G. A. Garney.....	do.....	67.59
	Lea Beaty.....	do.....	39.31
	F. A. Hikey.....	do.....	24.83
	P. H. Arrington.....	do.....	22.76
	W. N. George.....	do.....	22.76
	A. G. Allen.....	do.....	18.62
	Benjamin Andrews.....	do.....	43.45
	W. G. Edwards.....	do.....	43.45
	E. C. Whitley.....	do.....	60.00
	G. A. Hall.....	do.....	80.00
	J. A. Evans.....	do.....	37.24
	W. J. Stanfield.....	do.....	43.45
	J. C. Beck.....	do.....	49.31
	Seaman A. Knapp.....	do.....	239.00
	Irene Kinnebrew.....	do.....	71.61
16	A. B. Kinnebrew.....	do.....	80.00
	J. W. Carson.....	do.....	57.93
	W. D. Bentley.....	do.....	22.76
	J. T. Harrison.....	do.....	31.03
	H. M. McCuiston.....	do.....	28.97
	G. T. Williams.....	do.....	12.41
	J. F. Bradley.....	do.....	12.41
	R. D. Watson.....	do.....	22.76
	B. P. Huitze.....	do.....	14.48
	E. H. Harman.....	do.....	51.72
	W. E. Keeble.....	do.....	24.83
	Irene White.....	Traveling expenses.....	14.80
	Geo. A. Hall.....	do.....	20.95
18	G. A. Garvey.....	do.....	8.30
	J. T. Harrison.....	do.....	21.00

*Expenditures of the Department of Agriculture for fiscal year ending June 30, 1904—Cont'd.*

## COTTON BOLL WEEVIL INVESTIGATIONS, 1904-5—PLANT INDUSTRY—Continued.

Date.	Name.	Nature of payment.	Total.
1904.			
Mar. 18	Yawman & Erbe Manufacturing Co. ....	Guides .....	\$9.60
21	The Albert Dickinson Co. ....	Seed .....	990.00
	H. N. Hoffer .....	Services .....	28.97
22	W. F. Procter .....	Traveling expenses .....	16.25
	W. H. Joyner .....	Cotton seed .....	550.00
	do. ....	do. ....	686.00
	Church & Stephenson .....	Lumber .....	26.25
	W. G. Edwards .....	Traveling expenses .....	27.20
	James A. Evans .....	do. ....	18.35
24	I. L. and C. J. Wolf .....	Rent .....	34.01
25	T. O. Plunkett .....	Salary .....	31.03
	O. L. Wilson .....	do. ....	26.90
	G. F. Miles .....	Traveling expenses .....	92.65
26	W. E. Keeble .....	do. ....	21.05
28	E. H. Harman .....	do. ....	14.75
	A. B. Kinnebrew .....	do. ....	14.75
29	The Cargill Co. ....	Letter book, etc. ....	38.95
	do. ....	Ink stands, etc. ....	4.35
31	L. H. Davenport et al. ....	Salaries .....	252.73
	Total third quarter .....		5,637.01
Apr. 4	A. W. Edson .....	Salary .....	102.20
	Irene Kinnebrew .....	do. ....	60.00
	Oswald Wilson .....	Traveling expenses .....	10.30
	George F. Miles .....	Salary .....	81.80
	Geo. W. Curtis .....	do. ....	109.89
	do. ....	do. ....	82.42
	Seaman A. Knapp .....	do. ....	255.50
	B. H. Mitchell .....	do. ....	100.00
	Joe E. Wemple .....	do. ....	80.00
	Geo. A. Hall .....	do. ....	80.00
	A. B. Kinnebrew .....	do. ....	80.00
	Stanley H. Watson .....	do. ....	80.00
	Gus. A. Garney .....	do. ....	70.00
	John C. Beck .....	do. ....	65.00
	Jos. W. Carson .....	do. ....	60.00
	P. H. Arrington .....	do. ....	60.00
	Willis G. Edwards .....	do. ....	60.00
	William M. Bamberge .....	do. ....	60.00
	John W. Stiles .....	do. ....	60.00
	Tom L. Peeler .....	do. ....	60.00
	R. R. Claridge .....	do. ....	60.00
	J. F. Bradley .....	do. ....	60.00
	Jos. E. Adger .....	do. ....	60.00
	Jesse A. Palmer .....	do. ....	60.00
	W. N. George .....	do. ....	60.00
	Lea Beaty .....	do. ....	60.00
	Tom O. Plunkett .....	do. ....	60.00
	Wm. F. Procter .....	do. ....	60.00
	James A. Evans .....	do. ....	60.00
	Eva C. Whitley .....	do. ....	60.00
	Mariana Crosby .....	do. ....	60.00
	H. W. Joyce .....	do. ....	60.00
	W. E. Keeble .....	do. ....	60.00
	George T. Williams .....	do. ....	60.00
	Edwin H. Harman .....	do. ....	60.00
	Benjamin Andrews .....	do. ....	60.00
	W. J. Stanfield .....	do. ....	60.00
	Lee J. Berryman .....	do. ....	52.26
	O. L. Wilson .....	do. ....	40.65
	A. G. Allen .....	do. ....	1.29
	do. ....	do. ....	28.06
	R. D. Watson .....	do. ....	60.00
	Louise Decker .....	do. ....	28.39
	B. P. Hintze .....	do. ....	60.00
	J. L. Quicksall .....	do. ....	60.00
	H. M. McCuiston .....	do. ....	60.00
	H. N. Hoffer .....	do. ....	60.00
	J. T. Harrison .....	do. ....	60.00
	W. D. Bentley .....	do. ....	60.00
	F. A. Hikey .....	do. ....	60.00
6	R. D. Watson .....	Traveling expenses .....	30.45
	James L. Quicksall .....	do. ....	16.85
	W. J. Spillman .....	do. ....	118.16
	Lea Beaty .....	do. ....	27.50
	R. L. Bennett .....	do. ....	111.10
	A. W. Edson .....	do. ....	34.65
7	Geo. F. Miles .....	do. ....	150.43

Expenditures of the Department of Agriculture for fiscal year ending June 30, 1904—Cont'd.

## COTTON BOLL WEEVIL INVESTIGATIONS, 1904-5—PLANT INDUSTRY—Continued.

Date.	Name.	Nature of payment.	Total.
1904.			
Apr. 7	D. F. Houston	Traveling expenses	\$113.90
	Geo. W. Curtis	do.	48.50
9	I. L. & C. J. Wolf	Rent	27.75
	Yawman & Erbe Manufacturing Co	Sections	45.00
11	The Cargill Co.	Cases, etc.	105.85
	do.	Office supplies	99.73
	do.	do.	72.85
	J. E. Culpepper	Cotton seed	15.60
12	T. W. Wood & Sons	Peanuts, etc	58.50
	do.	do.	23.25
	J. M. Thorburn & Co	Beans	1.14
14	Delano & Moore	Photo supplies	19.26
18	American Writing Machine Co	Typewriter paper	19.00
	Yawman & Erbe Manufacturing Co	Card section, etc	29.00
	M. A. Crosby	Traveling expenses	61.95
19	The Southwestern Seed Co	Peas and bags	47.16
	Texas Seed and Floral Co.	Seeds	29.55
	do.	Potatoes, etc	96.27
	do.	Seeds	1.15
	John D. Sullivan	do.	1.50
	A. W. Short	do.	1.00
	M. G. Smith	do.	2.00
	J. T. Scogin	do.	2.00
	L. A. Stoney	do.	3.00
	C. E. Smith	do.	1.50
	Southwest Publishing Co.	Circulars, etc	87.60
	do.	do.	14.25
	do.	do.	11.25
	H. R. Pinkerton	Seeds	.60
	G. F. Park	do.	3.00
	J. W. Potomey	do.	1.00
	B. D. Moss	do.	1.50
	H. B. Mitchell	do.	2.50
	Longview Cotton Oil Co.	Fertilizer	26.60
	J. A. Shine	Seeds	160.00
	do.	do.	1.50
	Armour Co.	Fertilizer	29.15
	A. W. Allen	Seed	1.00
	W. H. Banks & Son.	do.	1.50
	Edward Bancroft	do.	2.00
	J. L. Berry	do.	2.00
	F. Barteldes & Co.	do.	3.20
	F. B. Cummings	do.	1.50
	J. J. Dearing	do.	2.00
	J. G. Barbee	Salary	160.00
	W. N. George	Traveling expenses	11.75
	W. B. F. Lewis	Seed	1.10
	R. D. Layton	do.	1.50
	Golson Bros.	do.	1.00
	Georgia Experiment Station	do.	1.00
	Mark W. Johnson Seed Co.	do.	4.50
	J. T. Hannah	do.	5.00
	B. W. Hawkins	do.	1.25
	H. C. Haralson	do.	3.00
	J. N. Hutchinson	do.	2.00
	B. B. Hardin	do.	3.00
	A. W. Edson	Expenses	72.75
	J. B. Warren	Seeds	1.50
	S. V. Woodfin	do.	1.00
	Walter Bros.	do.	2.25
	T. W. Wood & Sons	do.	2.70
	do.	do.	8.77
20	S. A. Knapp	Expenses	18.47
	do.	Traveling expenses	58.60
	do.	do.	61.15
	do.	Expenses	5.22
	do.	do.	5.91
	do.	Traveling expenses	20.75
	do.	Expenses	17.16
	do.	do.	17.31
	H. M. McCuiston	Traveling expenses	10.45
	C. L. Shear	do.	139.00
	John C. Beck	do.	15.40
	J. E. Adger	do.	54.05
	C. W. Warburton	do.	49.20
	J. E. Wemple	do.	35.25
	W. D. Bentley	do.	34.10
	R. D. Watson	do.	19.40
	Geo. T. Williams	do.	25.35



*Expenditures of the Department of Agriculture for fiscal year ending June 30, 1904—Cont'd.*

COTTON BOLL WEEVIL INVESTIGATIONS, 1904-5—PLANT INDUSTRY—Continued.

Date.	Name.	Nature of payment.	Total.
1904.			
Apr. 20	W. F. Proctor.....	Traveling expenses.....	\$31.10
	J. A. Palmer.....	do.....	30.95
	W. E. Keeble.....	do.....	26.70
	E. H. Harmon.....	do.....	20.00
	Washington Southern Rwy. Co.....	Passenger transportation.....	20.10
21	Oswald Wilson.....	Traveling expenses.....	25.30
	John W. Stiles.....	do.....	14.75
	Jas. A. Evans.....	do.....	32.10
	W. M. Bamberge.....	do.....	55.75
	H. N. Hoffer.....	do.....	16.00
	Geo. W. Curtis.....	do.....	48.84
27	W. A. Orton.....	do.....	31.24
	H. N. Hoffer.....	do.....	24.85
	S. A. Knapp.....	Expenses.....	63.17
	J. F. Duggar.....	Traveling expenses.....	20.96
	A. B. Kinnebrew.....	do.....	21.05
	J. F. Bradley.....	do.....	21.05
	J. G. Barbee.....	do.....	31.00
	B. P. Hintze.....	do.....	74.45
	A. W. Edson.....	do.....	21.50
	do.....	Expenses.....	33.11
28	J. F. Bradley.....	Salary.....	46.00
	L. C. Hill.....	do.....	72.41
	B. H. Mitchell.....	do.....	56.67
	B. P. Hintz.....	do.....	44.00
	G. A. Garvey.....	Traveling expenses.....	15.20
	A. W. Edson.....	do.....	64.35
29	C. S. Heller.....	do.....	7.80
	S. A. Knapp.....	Expenses.....	119.51
30	L. H. Davenport et al.....	Salaries.....	331.97
May 2	W. N. George.....	Salary.....	60.00
	do.....	Traveling expenses.....	11.85
	W. G. Edwards.....	do.....	33.60
	Willis G. Edwards.....	Salary.....	60.00
	John T. Harrison.....	Traveling expenses.....	53.13
	do.....	Salary.....	60.00
	S. A. Knapp.....	Expenses.....	8.74
	do.....	Salary.....	247.25
	Mariana Crosby.....	do.....	60.00
	James L. Quicksall.....	do.....	60.00
	W. E. Keeble.....	do.....	60.00
	Stanley H. Watson.....	do.....	80.00
	Irene Kinnebrew.....	do.....	60.00
	Jesse A. Palmer.....	do.....	60.00
	R. R. Claridge.....	do.....	60.00
	Eva C. Whitney.....	do.....	60.00
	H. W. Joyce.....	do.....	60.00
	John W. Stiles.....	do.....	60.00
	Lewis C. Hill.....	do.....	60.00
	P. H. Arrington.....	do.....	60.00
	Geo. T. Williams.....	do.....	60.00
	F. A. Hikey.....	do.....	60.00
	Tom O. Plumkett.....	do.....	60.00
	Lee J. Berryman.....	do.....	60.00
	Tom Lamar Peeler.....	do.....	60.00
	Geo. W. Curtis.....	do.....	206.00
	Edwin H. Harmon.....	do.....	60.00
	Jos. W. Carson.....	do.....	60.00
	J. E. Adger.....	do.....	60.00
	R. D. Watson.....	do.....	60.00
	W. D. Bentley.....	do.....	60.00
	John C. Beck.....	do.....	65.00
	William M. Bamberge.....	do.....	37.50
	do.....	do.....	30.00
	Henry N. Hoffer.....	do.....	30.00
	do.....	do.....	37.50
	James A. Evans.....	do.....	40.00
	do.....	do.....	30.00
	Lea Beaty.....	do.....	37.50
	do.....	do.....	30.00
	Wm. F. Proctor.....	do.....	30.00
	do.....	do.....	40.00
	G. F. Miles.....	do.....	79.10
	Joe E. Wemple.....	do.....	80.00
	A. B. Kinnebrew.....	do.....	80.00
	J. G. Barbee.....	do.....	80.00
	George A. Hall.....	do.....	80.00
	A. W. Edson.....	do.....	98.90
	Albert Goodwyn Allen.....	do.....	30.00

Expenditures of the Department of Agriculture for fiscal year ending June 30, 1904—Cont'd.

## COTTON BOLL WEEVIL INVESTIGATIONS, 1904-5—PLANT INDUSTRY—Continued.

Date.	Name.	Nature of payment.	Total.
1904. May 2	J. E. Wemple	Traveling expenses	\$31.30
	Louise Decker	Salary	40.00
3	Virginia-Carolina Chemical Co.	Phosphates	600.00
	Armour & Co.	Fertilizer	238.00
	Union Oil Co.	Cotton-seed meal and drayage	345.20
	B. H. Mitchell	Traveling expenses	36.85
	James L. Quicksall	do	37.20
	Lea Beaty	do	48.03
	S. H. Watson	do	64.95
	G. A. Hall	do	47.05
4	R. L. Bennett	Salary	164.80
	James F. Jones	Seeds	50.00
	Hutcherson-Elliott Drug Co.	Formaldehyde, etc	24.82
	do	Chemicals	36.00
	W. R. Boozer	Cotton seed	2.00
	Emmett W. Bond	do	1.75
	R. W. Drake	do	2.00
	Crescent City Stock Yard and Slaughter House Co. (Limited).	Ground bone	37.90
	F. M. Berryhill	Cotton seed	1.00
	Lee W. Dance	do	2.00
6	I. L. & C. J. Wolf	Rent	27.50
	E. R. Walter	Cotton seed	1.00
	Virginia-Carolina Chemical Co.	Bone	22.80
	P. W. Todd	Cotton seed	1.00
	P. P. Toale	do	3.00
	The Terrill Cotton Oil Co.	Cotton-seed meal	140.00
	J. N. Stalling	Fertilizer	133.00
	Red River Cotton Co.	Guano	13.75
	Remington Typewriter Co.	Typewriter	90.00
	A. W. Reynolds	Artichokes	3.75
	Merchants and Planters' Oil Co.	Cotton-seed meal	13.50
	B. F. Malabor	Cotton seed	1.00
	S. E. Kelley	do	1.25
	Houston Lighting and Power Co.	Electric lights	2.00
	The Cargill Co.	Office supplies	19.80
7	Edward Read Lloyd	Services	4.33
	S. M. Tracy	do	164.80
	M. A. Crosby	do	60.00
11	T. O. Plunkett	Traveling expenses	43.35
	Benjamin Andrews	do	81.15
	R. D. Watson	do	20.35
	Irene Kinnebrew	do	7.05
12	Benj. Andrews	Salary	60.00
	W. J. Stanfield	do	16.00
	John S. Jones	Traveling expenses	46.88
	B. P. Hintz	do	40.20
	H. W. Joyce	do	47.05
	H. E. Singleton	do	28.50
16	Houston Lighting and Power Co.	Electric current	1.00
	M. A. Crosby	Traveling expenses	74.95
	W. M. Bamberge	do	77.20
	H. W. Joyce	do	34.25
	C. W. Warburton	do	78.80
	G. T. Williams	do	5.80
18	Galveston, Harrisburg and San Antonio Rwy. Co.	Passenger transportation	3.60
	Seaboard Air Line Rwy.	do	8.30
	Southern Rwy. Co.	do	14.55
	do	do	37.30
	Atlantic Coast Line R. R. Co.	do	14.50
	S. A. Knapp	Traveling expenses	61.80
	Lea Beaty	do	45.35
	L. J. Berryman	do	37.55
	Tom O. Plunkett	do	16.85
	H. M. McCuision	do	9.00
	A. B. Kinnebrew	do	19.35
	E. H. Harman	do	29.05
	Jas. L. Quicksall	do	34.35
19	S. A. Knapp	Expenses	46.30
23	J. G. Barbee	Traveling expenses	6.75
24	Jas. A. Evans	do	16.85
	W. N. George	do	18.15
	Wm. F. Procter	do	18.75
	F. A. Hilley	do	18.85
25	Delano & Moore	Photo supplies	98.15
	A. W. Edson	Traveling expenses	54.70
	H. N. Hoffer	do	32.35

Expenditures of the Department of Agriculture for fiscal year ending June 30, 1904—Cont'd.

## COTTON BOLL WEEVIL INVESTIGATIONS, 1904-5—PLANT INDUSTRY—Continued.

Date.	Name.	Nature of payment.	Total.
1904.			
May 26	C. H. Billingsley	Labor	\$10.00
	T. J. Baxter	do	15.00
27	W. E. Keeble	Traveling expenses	23.30
31	L. H. Davenport et al	Salaries	446.80
June 2	Louise Decker	Salary	40.00
	Albert G. Allen	do	13.55
	S. A. Knapp	do	255.50
	Wm. M. Bamberge	do	75.00
	Lea Beaty	do	75.00
	R. D. Watson	do	75.00
	Henry N. Hoffer	do	75.00
	G. A. Hall	do	80.00
	Wm. F. Procter	do	80.00
	Joe E. Wemple	do	80.00
	Stanley H. Watson	do	80.00
	A. B. Kinnebrew	do	80.00
	Jas. A. Evans	do	80.00
	George W. Curtis	do	213.00
	J. C. Beck	do	65.00
	Eva C. Whitley	do	60.00
	Jos. W. Carson	do	60.00
	Benjamin Andrews	do	60.00
	Tom L. Peeler	do	60.00
	Edwin H. Harman	do	60.00
	Jesse A. Palmer	do	60.00
	W. E. Keeble	do	60.00
	Mariana Crosby	do	60.00
	Irene Kinnebrew	do	60.00
	Lewis C. Hill	do	60.00
	F. A. Hilley	do	60.00
	W. D. Bentley	do	60.00
	R. R. Claridge	do	60.00
	James L. Quicksall	do	60.00
	L. J. Berryman	do	60.00
	Geo. T. Williams	do	60.00
3	H. H. Hubbard	Seeds	1.50
	W. S. Duncan	do	2.50
	Southwest Publishing Co.	Circulars, etc.	36.50
	D. Frank Parker	Ribbons	4.50
	N. L. Willett Drug Co.	Seeds	2.50
	Virginia-Carolina Chemical Co.	Fertilizer	355.30
4	I. L. & C. J. Wolf	Rent	27.75
	Delano & Moore	Photo supplies	166.43
6	Merchants and Planters' Oil Co.	Sacks, etc.	130.67
8	C. W. Warburton	Salary	76.60
	Edward Read Lloyd	do	10.00
	M. A. Crosby	do	71.60
	Tom Frazier	Traveling expenses	62.25
	G. F. Miles	do	123.30
	do	Salary	81.80
	J. E. Adger	Traveling expenses	35.64
	B. H. Mitchell	do	3.50
	W. D. Bentley	do	23.40
	J. C. Beck	do	8.65
	L. J. Berryman	do	21.50
	Wm. M. Bamberge	do	20.80
	J. F. Bradley	do	15.40
	A. W. Edson	Expenses	15.95
	do	Salary	102.20
11	J. F. Duggar	do	55.00
	S. A. Knapp	Expenses	2.15
	R. T. Bennett	Salary	170.40
	W. J. Duffel	do	24.00
15	Geo. W. Curtis	Traveling expenses	30.45
	do	do	65.75
	do	do	30.55
16	A. B. Kinnebrew	do	19.55
	J. A. Evans	do	27.25
	Geo. T. Williams	do	21.40
	F. A. Hilley	do	34.05
	Edwin H. Harman	do	29.50
17	S. M. Tracy	Salary	170.40
20	The Cargill Co.	Office supplies	12.30
	Caroleigh Phosphate and Fertilizer Works	Fertilizer	128.00
	T. B. Aughtry & Co.	do	143.75
	C. H. Billingsley	Planting cotton	10.00
	do	Stakes, etc.	4.70
	do	Labor	16.00
	Lorick & Lawrence	Fertilizer	120.45



Expenditures of the Department of Agriculture for fiscal year ending June 30, 1904—Cont'd.

COTTON BOLL WEEVIL INVESTIGATIONS, 1904-5—PLANT INDUSTRY—Continued.

Date.	Name.	Nature of payment.	Total.
1904.			
June 20	Mark W. Johnson Seed Co.....	Seeds.....	\$40.50
	Houston Lighting and Power Co.....	Electric current.....	1.00
	Remington Typewriter Co.....	Typewriter.....	92.25
	J. J. Pastoriza Co.....	Blanks, etc.....	15.50
	Southwest Publishing Co.....	Circulars.....	11.00
	Repsdorff Tent and Awning Co.....	Awnings.....	19.50
	Western Union Telegraph Co.....	Telegraph service.....	20.70
21	S. A. Knapp.....	Traveling expenses.....	62.80
	do.....	Expenses.....	17.54
	R. L. Bennett.....	do.....	46.90
	do.....	do.....	14.85
	E. R. Lloyd.....	Traveling expenses.....	20.05
	J. C. Beck.....	do.....	5.80
	J. S. Kerr.....	do.....	37.20
22	C. W. Warburton.....	do.....	82.05
	Jno. T. Harrison.....	do.....	48.30
	F. J. Tyler.....	do.....	13.65
	A. W. Edson.....	Expenses.....	14.00
	do.....	Traveling expenses.....	61.10
	Jas. L. Quicksall.....	do.....	35.25
23	Lea Beaty.....	do.....	38.30
	Geo. W. Curtis.....	do.....	86.50
	W. M. Bamberge.....	do.....	51.05
	H. E. Singleton.....	do.....	21.50
	R. D. Watson.....	do.....	53.55
27	M. A. Crosby.....	do.....	84.03
	W. J. Duffel.....	do.....	12.25
29	De Kalb Lumber Co.....	Stakes, etc.....	20.73
30	L. H. Davenport et al.....	Salaries.....	560.20
	Total fourth quarter.....		21,679.03
July 2	E. R. Lloyd.....	Salary.....	10.00
	H. N. Hofer.....	do.....	75.00
	Lea Beaty.....	do.....	75.00
	S. A. Knapp.....	do.....	247.25
	G. W. Curtis.....	do.....	206.00
	J. C. Beck.....	do.....	65.00
	W. M. Bamberge.....	do.....	75.00
	R. D. Watson.....	do.....	75.00
	A. B. Kinnebrew.....	do.....	80.00
	G. A. Hall.....	do.....	80.00
	J. E. Wemple.....	do.....	80.00
	W. F. Procter.....	do.....	80.00
	Jas. A. Evans.....	do.....	80.00
	S. H. Watson.....	do.....	26.67
	do.....	do.....	26.66
	E. H. Harman.....	do.....	60.00
	G. T. Williams.....	do.....	60.00
	R. R. Claridge.....	do.....	60.00
	J. L. Quicksall.....	do.....	60.00
	Irene Kinnebrew.....	do.....	60.00
	W. D. Bentley.....	do.....	60.00
	J. W. Carson.....	do.....	2.00
	W. E. Keeble.....	do.....	60.00
	F. A. Hilley.....	do.....	60.00
	L. C. Hill.....	do.....	60.00
	Eva C. Whitley.....	do.....	60.00
	Benjamin Andrews.....	do.....	60.00
	Mariana Crosby.....	do.....	60.00
	T. L. Peeler.....	do.....	60.00
	J. A. Palmer.....	do.....	60.00
	L. J. Berryman.....	do.....	60.00
	Louise Decker.....	do.....	40.00
	A. W. Edson.....	do.....	98.90
	C. H. Billingsley.....	do.....	80.00
	M. A. Crosby.....	do.....	69.20
	W. E. Keeble.....	Traveling expenses.....	11.35
5	G. A. Hall.....	do.....	65.40
6	J. E. Wemple.....	do.....	72.05
	W. D. Bentley.....	do.....	27.80
9	L. C. Corbett.....	do.....	60.41
11	S. M. Tracy.....	Salary.....	164.80
	W. J. Spillman.....	Traveling expenses.....	104.08
	S. M. Tracy.....	do.....	34.11
14	G. F. Miles.....	Services.....	79.10
	R. L. Bennett.....	do.....	164.80
	S. M. Bain.....	do.....	100.00

Expenditures of the Department of Agriculture for fiscal year ending June 30, 1904—Cont'd.

## COTTON BOLL WEEVIL INVESTIGATIONS, 1904-5—PLANT INDUSTRY—Continued.

Date.	Name.	Nature of payment.	Total.
1904.			
July 14	S. M. Bain .....	Traveling expenses .....	\$46.45
	L. J. Berryman .....	do .....	59.00
	W. F. Procter .....	do .....	29.25
	R. C. Commander .....	Cotton seed .....	3.00
15	Benj. Andrews .....	Traveling expenses .....	32.50
	do .....	do .....	60.25
	Geo. W. Curtis .....	do .....	55.05
	Chas. S. Heller .....	do .....	24.81
	W. F. Procter .....	do .....	39.25
	S. H. Watson .....	do .....	96.25
	C. W. Warburton .....	do .....	78.75
	do .....	do .....	74.20
	S. M. Tracy .....	Services .....	13.33
18	W. M. Bamberge .....	Expenses .....	92.35
	J. F. Duggar .....	Traveling expenses .....	10.16
	do .....	do .....	4.93
	A. W. Edson .....	do .....	78.78
	E. H. Edson .....	do .....	78.75
	E. H. Harmon .....	do .....	42.75
	H. N. Hoffer .....	do .....	41.55
	S. A. Knapp .....	do .....	37.70
	do .....	Expenses .....	24.21
	W. P. Keeble .....	Traveling expenses .....	23.30
	Geo. P. Miles .....	do .....	119.24
	Geo. T. Williams .....	do .....	34.20
19	Bausch & Lomb Optical Co. ....	Cabinet .....	17.00
	The Cargill Co. ....	Books, etc. ....	11.65
	Woods & Henshaw .....	Electric fan .....	14.00
23	Lea Beaty .....	Traveling expenses .....	46.75
	W. D. Bentley .....	do .....	27.70
	L. J. Berryman .....	do .....	39.25
	M. A. Crosby .....	do .....	130.33
	G. A. Hall .....	do .....	57.45
	F. A. Hilley .....	do .....	37.90
	A. B. Kinnebrew .....	do .....	20.90
	J. A. Palmer .....	do .....	47.75
	L. J. Quicksall .....	do .....	27.65
	W. J. Spillman .....	Expenses .....	126.31
	R. D. Watson .....	Traveling expenses .....	50.20
	S. H. Watson .....	do .....	3.50
	J. E. Wemple .....	do .....	41.75
	Southern Rwy. Co. ....	Passenger transportation .....	74.60
	do .....	do .....	37.30
	do .....	do .....	12.80
	do .....	do .....	7.00
	do .....	do .....	92.64
	Washington-Southern Rwy. Co. ....	do .....	20.10
	do .....	do .....	22.65
	do .....	Freight .....	9.30
26	J. A. Evans .....	Traveling expenses .....	17.10
30	Galveston, Harrisburg and San Antonio Rwy. Co. ....	Passenger transportation .....	4.00
	do .....	do .....	18.85
	Missouri, Kansas and Texas Rwy. Co. ....	do .....	6.90
	do .....	do .....	8.60
	Louisville and Nashville R. R. Co. ....	do .....	27.50
	do .....	do .....	9.90
	The Texas and Pacific Rwy. Co. ....	do .....	3.05
	Houston and Texas Central R. R. Co. ....	do .....	4.25
	Atlantic Coast Line R. R. Co. ....	do .....	30.65
	New Orleans and Northeastern R. R. Co. ....	do .....	12.50
	Morgan's Louisiana and Texas R. R. and S. S. Co. ....	do .....	10.85
	Georgia Southern and Florida Rwy. ....	do .....	12.05
	Gulf, Colorado and Santa Fe Rwy. Co. ....	do .....	6.00
	Gulf and Ship Island R. R. Co. ....	do .....	3.95
	San Antonio and Aransas Pass Rwy. Co. ....	do .....	4.50
	Seahoard Air Line Rwy. ....	do .....	9.98
	Norfolk and Washington, D. C., S. B. Co. ....	do .....	3.00
	Texas and New Orleans R. R. Co. ....	Freight .....	125.76
	L. H. Davenport .....	Salaries .....	765.00
Aug. 1	S. A. Knapp .....	Services .....	250.00
	G. W. Curtis .....	do .....	208.33
	H. E. Singleton .....	do .....	136.00
	Mrs. Mariana Crosby .....	do .....	80.00
	Jas. A. Evans .....	do .....	80.00
	G. A. Hall .....	do .....	80.00
	A. B. Kinnebrew .....	do .....	80.00
	W. F. Procter .....	do .....	80.00

Expenditures of the Department of Agriculture for fiscal year ending June 30, 1904—Cont'd.

## COTTON BOLL WEEVIL INVESTIGATIONS, 1904-5—PLANT INDUSTRY—Continued.

Date.	Name.	Nature of payment.	Total.
1904.			
Aug. 1	J. E. Wemple	Services	\$80.00
	W. M. Bamberge	do	75.00
	Lea Beaty	do	75.00
	H. N. Hoffer	do	75.00
	Irene Kinnebrew	do	75.00
	R. D. Watson	do	75.00
	Irene White	do	75.00
	E. C. Whitley	do	75.00
	J. C. Beck	do	65.00
	L. J. Berryman	do	60.00
	W. D. Bentley	do	60.00
	Louise Decker	do	60.00
	E. H. Harman	do	60.00
	F. A. Hilley	do	60.00
	N. E. Keeble	do	60.00
	J. A. Palmer	do	60.00
	G. T. Williams	do	60.00
	J. L. Quicksall	do	60.00
	S. H. Watson	do	40.00
	R. R. Claridge	do	30.00
	Lewis C. Hill	do	30.00
	T. L. Peeler	do	30.00
	W. J. Spillman	Traveling expenses	41.63
	R. L. Bennett	do	42.85
	H. P. Jones	do	1.50
2	Benj. Andrews	Services	60.00
	S. U. Bain	do	200.00
	M. A. Crosby	do	70.00
	J. F. Duggar	do	25.00
	do	do	25.00
	A. W. Edson	do	100.00
	N. W. Gilbert	do	34.00
	E. R. Lloyd	do	10.00
	do	Traveling expenses	12.75
	G. F. Miles	Services	80.00
	C. W. Warburton	do	75.00
	S. M. Tracy	do	166.66
4	C. H. Billingsley	do	80.00
	Jno. C. Parker	Erasers	3.15
9	Clifford Morse	Services	40.00
10	Lea Beaty	Traveling expenses	33.00
	J. C. Beck	do	8.25
	do	do	29.50
	M. A. Crosby	do	87.61
	G. A. Hall	do	13.00
	N. E. Keeble	do	37.60
	G. T. Williams	do	24.00
11	W. M. Bamberge	do	76.00
	W. D. Bentley	do	32.75
	E. H. Harman	do	39.50
	W. T. Procter	do	52.10
	J. L. Quicksall	do	13.75
	J. W. Stiles	do	9.50
16	A. W. Edson	do	130.95
	do	Expenses	41.85
	S. A. Knapp	do	14.35
	R. S. Bennett	do	6.00
	do	Services	166.66
	J. S. Davis	do	80.00
	C. H. Ballingsley	Traveling expenses	20.46
	G. W. Curtis	do	89.85
	R. D. Watson	do	43.50
	Geo. F. Miles	do	108.73
	C. W. Warburton	do	99.44
	Britt & Johnson	Fertilizer	28.45
	Fulton Bag and Cotton Mills	Cotton bags	7.36
17	J. A. Evans	Traveling expenses	26.95
	H. N. Hoffer	do	41.40
	A. B. Kinnebrew	do	17.75
	L. Bramm	Photo truck	.50
	The Cargill Co.	Copying books	8.70
	J. E. Culpepper	Cotton seed	3.38
	J. F. Duggar	do	2.52
	Remington Typewriter Co.	Ribbons	5.00
	C. Weichsel Co.	Chemicals	21.16
	J. L. & C. J. Wolf	Rent, June	27.75
	do	Rent, July	27.75
18	Folmer & Schwing Manufacturing Co.	Camera	80.00
	Farmers' Alliance Cooperative Association	Phosphate	9.90



294 EXPENDITURES IN DEPARTMENT OF AGRICULTURE.

Expenditures of the Department of Agriculture for fiscal year ending June 30, 1904—Cont'd.

COTTON BOLL WEEVIL INVESTIGATIONS, 1904-5—PLANT INDUSTRY—Continued.

Date.	Name.	Nature of payment.	Total.
1904.			
Aug. 18	Harvey Seed Co. ....	Cotton seed .....	\$10.00
	H. G. Hastings & Co. ....	.....do. ....	1.50
	Houston Lighting and Power Co. ....	Current .....	1.10
	.....do. ....	.....do. ....	1.00
	Marx Schaeffer .....	Cultivating cotton .....	50.00
	Paragon Printing Co. ....	Cards .....	20.00
	W. E. Porter .....	Cotton seed .....	10.00
	J. J. Pastoriza Printing and Lithograph Co. ....	Printing .....	52.00
	Bausch & Lomb Chemical Co. ....	Beakers, etc. ....	39.72
	N. L. Willet Drug Co. ....	Seed .....	5.25
22	J. E. Wemple .....	Traveling expenses .....	20.15
	S. A. Knapp .....	.....do. ....	48.40
25	D. A. Saunders .....	.....do. ....	21.25
	R. L. Bennett .....	Expenses .....	19.90
	.....do. ....	.....do. ....	32.85
	.....do. ....	.....do. ....	66.50
	.....do. ....	.....do. ....	27.00
26	Western Union Telegraph Co. ....	Service .....	8.13
	.....do. ....	.....do. ....	3.08
27	B. H. Berry .....	Guano, etc. ....	200.00
	Bausch & Lomb Optical Co. ....	Microscope, etc. ....	109.00
	.....do. ....	Cylinder, etc. ....	45.16
	Marks & Gayle .....	Soda .....	10.50
	.....do. ....	.....do. ....	20.63
29	Wm. Krafft .....	Cover glasses .....	5.25
	W. Silas Sheetz .....	Camera, etc. ....	44.50
	.....do. ....	Photo supplies .....	6.05
	.....do. ....	Kodak, etc. ....	39.50
	Fred A. Schmidt .....	Compass, etc. ....	25.10
	Texas Agricultural Experiment Station .....	Expressage, etc. ....	45.95
31	L. H. Davenport et al. ....	Salaries .....	499.00
Sept. 1	Lewis C. Hill .....	Salary .....	30.00
	S. A. Knapp .....	.....do. ....	250.00
	Irene Kinnebrew .....	.....do. ....	75.00
	W. E. Keeble .....	.....do. ....	60.00
	A. B. Kinnebrew .....	.....do. ....	80.00
	Clifford Morse .....	.....do. ....	40.00
	W. F. Procter .....	.....do. ....	80.00
	Tom L. Peeler .....	.....do. ....	30.00
	J. A. Palmer .....	.....do. ....	60.00
	J. L. Quicksall .....	.....do. ....	60.00
	D. A. Saunders .....	.....do. ....	125.00
	Eva C. Whitley .....	.....do. ....	75.00
	J. E. Wemple .....	.....do. ....	80.00
	S. H. Watson .....	.....do. ....	40.00
	R. D. Watson .....	.....do. ....	75.00
	Irene White .....	.....do. ....	75.00
	Geo. T. Williams .....	.....do. ....	60.00
	Benj. Andrews .....	.....do. ....	60.00
	J. C. Beck .....	.....do. ....	65.00
	Wm. M. Bamberg .....	.....do. ....	75.00
	Lee J. Berryman .....	.....do. ....	60.00
	W. D. Bentley .....	.....do. ....	60.00
	Lea Beaty .....	.....do. ....	75.00
	R. L. Bennett .....	.....do. ....	166.66
	Saml. M. Bain .....	.....do. ....	200.00
	R. R. Claridge .....	.....do. ....	30.00
	G. W. Curtis .....	.....do. ....	208.33
	Mariana Crosby .....	.....do. ....	80.00
	Louise Decker .....	.....do. ....	60.00
	Jas. A. Evans .....	.....do. ....	80.00
	E. H. Harman .....	.....do. ....	60.00
	F. A. Hilley .....	.....do. ....	60.00
	H. N. Hoffer .....	.....do. ....	75.00
	G. A. Hall .....	.....do. ....	80.00
2	I. L. & C. J. Wolf .....	Rent .....	27.75
6	M. A. Crosby .....	Salary .....	70.00
	D. N. Shoemaker .....	.....do. ....	125.00
	A. W. Edson .....	.....do. ....	100.00
	E. R. Lloyd .....	.....do. ....	10.00
	C. W. Warburton .....	.....do. ....	75.00
	W. W. Gilbert .....	.....do. ....	60.00
	Geo. F. Miles .....	.....do. ....	80.00
7	R. L. Bennett .....	Traveling expenses .....	26.10
	S. M. Tracy .....	Salary .....	166.67
	C. H. Billingsley .....	.....do. ....	80.00
10	The Fred Macey Co. (Limited) .....	Section .....	7.00
13	A. W. Edson .....	Traveling expenses .....	175.14
15	.....do. ....	Expenses .....	9.5 5

Expenditures of the Department of Agriculture for fiscal year ending June 30, 1904—Cont'd.

COTTON BOLL WEEVIL INVESTIGATIONS, 1904-5—PLANT INDUSTRY—Continued.

Date.	Name.	Nature of payment.	Total.
1904.			
Sept. 15	D. N. Shoemaker	Traveling expenses	\$7.85
	do.	do.	87.85
	W. D. Bentley	do.	15.15
	Jas. L. Quicksall	do.	19.15
	R. D. Watson	do.	58.45
16	W. M. Bamberg	do.	96.50
	W. W. Gilbert	do.	69.35
17	C. W. Warburton	do.	87.10
	M. A. Crosby	do.	80.06
	Geo. T. Williams	do.	27.85
	W. F. Procter	do.	47.50
	E. H. Harman	do.	27.25
	Benj. Andrews	do.	32.00
	Texas Seed and Floral Co.	Seeds	15.00
19	Vicksburg, Shreveport and Pacific Rwy. Co.	Transportation	151.31
	The Texas and Pacific Rwy. Co.	Passenger transportation	28.70
	Atlantic Coast Line R. R. Co.	do.	21.71
	do.	do.	6.00
	The Texas Pacific Rwy. Co.	do.	12.00
	The Pullman Co.	do.	2.50
	do.	do.	6.50
	do.	do.	5.00
	Southern Rwy. Co.	do.	11.05
	do.	do.	20.35
	The Texas and Pacific Rwy. Co.	do.	3.50
	do.	do.	33.05
	Missouri, Kansas and Texas Rwy. Co.	do.	19.55
	do.	do.	14.30
	do.	do.	3.00
	International and Great Northern R. R. Co.	do.	3.40
	Illinois Central R. R. Co.	do.	8.50
	Houston, East and West Texas Rwy. Co.	do.	9.20
	Florida East Coast Rwy. Co.	do.	9.35
	Louisville and Nashville R. R. Co.	do.	10.10
	Georgia R. R. Co.	do.	5.13
	Houston and Texas Central R. R. Co.	do.	3.80
	New Orleans and Northeastern R. R. Co.	do.	4.80
	Louisville and Nashville R. R. Co.	do.	16.95
	do.	do.	3.20
	San Antonio and Aransas Pass Rwy. Co.	do.	7.15
	do.	do.	4.25
	Texas Central R. R. Co.	do.	4.65
20	H. N. Hoffer	do.	63.80
	W. E. Keeble	do.	22.20
	L. J. Berryman	do.	41.00
	J. E. Wemple	do.	29.70
	E. B. Boykin	do.	26.35
22	G. A. Hall	do.	52.30
	F. A. Hilley	do.	41.85
	T. J. Baxter	Cultivating cotton	30.00
	do.	do.	30.00
	J. A. Evans	Traveling expenses	20.40
24	Southern Rwy. Co.	Passenger transportation	31.36
	Atlantic Coast Line R. R. Co.	do.	22.77
	T. W. Wood & Son	Seeds	2.50
	Paris Wholesale Drug Co.	Copper sulphate	23.75
	Union Envelope Co.	Envelopes	48.51
	L. J. Berryman	Traveling expenses	43.95
	W. A. Orton	do.	155.17
	C. H. Billingsley	do.	76.67
26	Mackall Bros.	Chemicals	12.48
	E. Morrison Paper Co.	Bags	23.15
	W. Silas Sheetz	Lens, etc.	61.47
	do.	Cameras, etc.	222.84
28	G. F. Miles	Traveling expenses	118.40
	G. W. Curtis	do.	81.70
30	L. H. Davenport et al.	Salaries	372.50
	Total first quarter, 1905.		19,554.62

RECAPITULATION.

Total third quarter, 1904	\$5,637.01
Total fourth quarter, 1904	21,679.03
Total first quarter, 1905	19,554.62
Total	46,870.66

Expenditures of the Department of Agriculture for fiscal year ending June 30, 1904—Cont'd.

## SPECIAL AGENTS.

Date.	Name.	Nature of payment.	Total.
1904. Mar. 8	O. F. Cook.....	Vouchers.....	\$1,800.00
	S. A. Knapp.....	do.....	1,000.00
	Total.....		2,800.00

## COTTON BOLL WEEVIL INVESTIGATIONS—RESERVE FUND, 1904-5.

1904. July 2	J. S. Kerr.....	Salary.....	\$63.33
	Tom Frazier.....	do.....	92.00
	W. J. Duffel.....	do.....	104.00
5	do.....	Traveling expenses.....	3.00
9	J. B. Garrett.....	Salary.....	29.03
	H. A. Morgan.....	do.....	100.00
	S. E. McClendon.....	do.....	158.06
	A. W. Buckner.....	do.....	29.03
11	W. J. Duffel.....	Traveling expenses.....	60.95
14	A. W. Buckner.....	Services.....	50.00
	J. B. Garrett.....	do.....	50.00
15	do.....	Traveling expenses.....	43.65
	E. S. Hardy.....	do.....	49.90
	R. C. Howell.....	do.....	49.95
18	S. E. McClendon.....	do.....	97.45
20	E. S. Hardy.....	Services.....	50.00
	do.....	do.....	29.03
	R. C. Howell.....	do.....	29.03
	do.....	do.....	50.00
	H. A. Morgan.....	Traveling expenses.....	23.85
23	A. W. Buckner.....	do.....	48.10
	H. A. Morgan.....	Expenses.....	16.45
26	do.....	do.....	150.00
Aug. 8	R. C. Howell.....	Services.....	50.00
10	A. W. Buckner.....	do.....	50.00
	J. B. Garrett.....	do.....	50.00
	H. A. Morgan.....	do.....	100.00
	S. E. McClendon.....	do.....	100.00
	E. S. Hardy.....	do.....	50.00
11	A. W. Buckner.....	Traveling expenses.....	41.50
	J. B. Garrett.....	do.....	44.05
	S. E. McClendon.....	do.....	99.50
16	E. S. Hardy.....	do.....	50.00
	R. C. Howell.....	do.....	50.00
	H. A. Morgan.....	do.....	85.45
17	The Dallas Morning News.....	Subscription.....	4.00
	Geo. F. Muth & Co.....	Shades and packing.....	14.70
18	Express Publishing Co.....	Subscription.....	4.25
	Houston Printing Co.....	do.....	4.25
25	H. A. Morgan.....	Expenses.....	191.75
	J. S. Davis.....	Traveling expenses.....	41.40
31	F. L. Lewton.....	do.....	164.00
	G. P. Goll.....	do.....	160.10
Sept. 10	S. E. McClendon.....	Salary.....	100.00
	R. C. Howell.....	do.....	50.00
	do.....	Traveling expenses.....	50.00
	E. S. Hardy.....	Salary.....	50.00
	do.....	Traveling expenses.....	48.20
	A. W. Buckner.....	Salary.....	50.00
	do.....	Traveling expenses.....	50.00
	H. A. Morgan.....	Salary.....	100.00
	C. W. Flynn.....	do.....	21.67
	A. T. Felt.....	do.....	13.33
12	Julius B. Garrett.....	do.....	50.00
	do.....	Traveling expenses.....	34.00
	S. E. McClendon.....	do.....	97.00
	H. A. Morgan.....	do.....	146.65
	do.....	Expenses.....	265.90
19	Southern Rwy. Co.....	Passenger transportation.....	27.50
	New York, Texas and Mexican Rwy. Co.....	do.....	12.90
	Morgan's Louisiana and Texas R. R. and S. S. Co.....	do.....	14.65
	do.....	do.....	14.65
20	A. T. Felt.....	Traveling expenses.....	39.55
	C. W. Flynn.....	do.....	53.70
	Total first quarter.....		4,021.46



Expenditures of the Department of Agriculture for fiscal year ending June 30, 1904—Cont'd.

FORESTRY INVESTIGATIONS.

Date.	Name.	Nature of payment.	Total.
1903.			
July 8	Rufus B. Merchant.....	Map.....	\$3.20
— 31	C. H. Herty et al.....	Salaries.....	5,003.75
Aug. 1	Fred W. Besley.....	Service.....	40.40
	Jacob C. Blumer.....	do.....	40.40
	John S. Guthrie.....	do.....	40.40
	Wm. B. Howard.....	do.....	40.40
	Gerard B. Lull.....	do.....	40.40
	Titus G. Phillips.....	do.....	40.40
	Harold B. Eastman.....	do.....	40.40
	J. Fred. Baker.....	do.....	40.40
	J. P. Wentling.....	do.....	40.40
	Clayton D. Mell.....	do.....	40.40
	Robt. R. Reynolds.....	do.....	40.40
	M. A. Benedict.....	do.....	40.40
	Herbert A. Paul.....	do.....	40.40
	Herbert O. Stabler.....	do.....	40.40
	E. R. Hodson.....	do.....	40.40
	Jas. M. Fetherolf.....	do.....	40.40
	J. S. Holmes.....	do.....	40.40
	Blaine S. Viles.....	do.....	40.40
	Ferris R. Miller.....	do.....	40.40
	Jno. Appleton.....	do.....	40.40
	Alpheus O. Waha.....	do.....	40.40
	A. C. Ringland.....	do.....	40.40
	Wm. W. Cheever.....	do.....	40.40
	S. P. Woolfolk.....	do.....	40.40
	David G. Kinney.....	do.....	50.50
	Zina L. Bliss.....	do.....	50.50
	Theo. F. Borst.....	do.....	50.50
	C. O. Sparks.....	do.....	50.50
	Wm. H. Mast.....	do.....	50.50
	C. A. McCue.....	do.....	50.50
	Jos. Santucci.....	do.....	50.50
	Geo. Griswold.....	do.....	50.50
	Harry E. Burke.....	do.....	50.50
	Geo. E. Tower.....	do.....	50.50
	Jno. H. Hatton.....	do.....	50.50
	Frank Klarpp.....	do.....	50.50
	Wallace I. Hutchinson.....	do.....	60.60
	Anson E. Cohoon.....	do.....	60.60
	Hugh P. Baker.....	do.....	60.60
	Chas. A. Scott.....	do.....	60.60
	E. S. Moore.....	do.....	60.60
	M. C. Jensen.....	do.....	60.60
	Jno. W. Riggs.....	do.....	60.60
	Royal S. Kellogg.....	do.....	60.60
	Louis C. Miller.....	do.....	60.60
	H. M. Sutter.....	do.....	75.80
	Frank A. Clarke.....	do.....	75.80
	Raphael A. Zon.....	do.....	75.80
	Reynolds Hill.....	do.....	75.80
	Smith Riley.....	do.....	75.80
	Geo. Farley.....	do.....	75.80
	W. H. B. Kent.....	do.....	75.80
	Rollin G. Giffin.....	do.....	75.80
	Harrold B. Kempton.....	do.....	72.83
	Jno. B. Anderson.....	do.....	72.83
	Saml. N. Springs.....	do.....	72.83
	Austin F. Hawes.....	do.....	72.83
	Albert H. Cooper.....	do.....	72.83
	Wm. D. Sterrett.....	do.....	72.83
	J. G. Peters.....	do.....	72.83
	Theo. S. Woolsey, jr.....	do.....	72.83
	Flers Koch.....	do.....	72.83
	Will L. Porterfield.....	do.....	32.61
	Joseph A. Fitzwater.....	do.....	32.61
	Jas. E. Gow.....	do.....	32.61
	Burton E. Babcock.....	do.....	32.61
	Burtis J. Teasdale.....	do.....	32.61
	Jno. M. Keeler, jr.....	do.....	32.61
	Walter J. Morrill.....	do.....	32.61
3	E. R. Secrist.....	do.....	32.61
	H. O. Tunis.....	do.....	32.61
	Albert F. Potter.....	do.....	151.60
	W. A. Langille.....	do.....	151.60
	Edward T. Allen.....	do.....	151.60
	Loren E. Hunt.....	do.....	168.50
	H. D. Langille.....	do.....	168.50

*Expenditures of the Department of Agriculture for fiscal year ending June 30, 1904—Cont'd.*

## FORESTRY INVESTIGATIONS—Continued.

Date.	Name.	Nature of payment.	Total.
1903. Aug. 3	Thos. H. Sherrard.....	Service.....	\$168.50
	Herman von Schrenk.....	do.....	210.60
	Eugene S. Bruce.....	do.....	210.60
	Alfred Ackerman.....	do.....	84.20
	H. K. Porter.....	do.....	84.20
	Roy L. Marston.....	do.....	84.20
	Theo. P. Lukins.....	do.....	84.20
	Judson F. Clark.....	do.....	84.20
	W. J. Gardner.....	do.....	67.94
	Frank G. Miller.....	do.....	67.94
	R. B. Wilson.....	do.....	67.94
	Harold S. Betts.....	do.....	101.10
	Geo. E. Clement.....	do.....	101.10
	Chas. S. Chapman.....	do.....	101.10
	Edwin M. Hamilton.....	do.....	101.10
	Coert Du Bois.....	do.....	101.10
	Alfred J. Chittenden.....	do.....	101.10
	Saml. B. Detwiler.....	do.....	63.05
	E. Feagan.....	do.....	27.72
	Horatio A. Brown.....	do.....	31.14
	H. J. Tompkins.....	do.....	117.90
	G. Alleman.....	do.....	60.00
	Carl G. Barth.....	do.....	54.84
	Richard P. Imes.....	do.....	72.83
	Frank Tompkins.....	do.....	50.50
	Walter S. Brown.....	do.....	25.30
	Henry D. Aller.....	do.....	25.30
	W. W. Mott.....	do.....	25.30
	Robt. L. Black.....	do.....	25.30
	A. E. Oman.....	do.....	25.30
	Frank B. Moody.....	do.....	25.30
	Frank B. Mattoon.....	do.....	25.30
	Louis Margolin.....	do.....	25.30
	W. G. Higgins.....	do.....	25.30
	Walter B. Hadley.....	do.....	25.30
	Wm. H. Kobbe.....	do.....	25.30
	Stewart J. Flintham.....	do.....	25.30
	Roland D. Craig.....	do.....	25.30
	Robert W. Ayers.....	do.....	25.30
	Willard M. Drake.....	do.....	25.30
	Hartley B. Holroyd.....	do.....	25.30
	A. T. Searles.....	do.....	25.30
	Jno. H. Bridges.....	do.....	25.30
	Jerome H. Ramskill.....	do.....	25.30
	Walter K. Wilder.....	do.....	25.30
	Daniel W. Hamm.....	do.....	25.30
	A. W. Whetstone.....	do.....	25.30
	Howard F. Weiss.....	do.....	25.30
	F. H. McLaury.....	do.....	25.30
	T. T. Munger.....	do.....	25.30
	E. G. Cheyney.....	do.....	25.30
	Joseph Mead.....	do.....	25.30
	Edwd. E. Carter.....	do.....	25.30
	Douglas Rodman.....	do.....	25.30
	Clarence J. Buck.....	do.....	25.30
	E. A. Ziegler.....	do.....	25.30
	Paul G. Redington.....	do.....	25.30
	E. E. Adams.....	do.....	25.30
	L. L. White.....	do.....	25.30
	Ralph E. Sheldon.....	do.....	25.30
	Frank J. Phillips.....	do.....	25.30
	J. F. Bond.....	do.....	25.30
	H. R. Bristol.....	do.....	25.30
	R. B. Bartholomew.....	do.....	25.30
	Willis L. Jepson.....	do.....	25.30
	Anton T. Boisen.....	do.....	25.30
	F. S. Kent.....	do.....	25.30
	Paul D. Kelleter.....	do.....	25.30
	Jno. M. Nelson, jr.....	do.....	25.30
	Allen R. Powers.....	do.....	25.30
	Clinton G. Smith.....	do.....	25.30
	E. E. Bogue.....	do.....	25.30
	W. J. Turner.....	do.....	25.30
	Manasseh Smith, jr.....	do.....	25.30
	Jas. W. Toumey.....	do.....	25.30
	Stephen M. Crowell.....	do.....	25.30
	Geo. H. Cecil.....	do.....	25.30
	Geo. W. Dunnan.....	do.....	25.30

Expenditures of the Department of Agriculture for fiscal year ending June 30, 1904—Cont'd.

## FORESTRY INVESTIGATIONS—Continued.

Date.	Name.	Nature of payment.	Total.
1903. Aug. 3	Clifton D. Howe.....	Service.....	\$25.30
	P. T. Harris.....	do.....	25.30
	Fayette D. Conden.....	do.....	25.30
	J. Earl Barton.....	do.....	25.30
	W. W. White.....	do.....	25.30
	Alfred C. Weed.....	do.....	25.30
	Thos. J. Taylor.....	do.....	25.30
	Burton P. Tinchell.....	do.....	25.30
	Ernest Saunders.....	do.....	25.30
	Wm. G. Weigle.....	do.....	25.30
	T. Leonard Hoover.....	do.....	25.30
	Will B. Greeley.....	do.....	25.30
	Max Rothkugel.....	do.....	25.30
	Clyde Leavitt.....	do.....	25.30
	W. W. Everett.....	do.....	25.30
	Harrold Day Foster.....	do.....	25.30
	Louis Krautter.....	do.....	25.30
	Karl W. Woodward.....	do.....	25.30
	Ralph C. Hawley.....	do.....	25.30
	Harry D. Everett.....	do.....	25.30
	H. W. Chittenden.....	do.....	25.30
4	Phillip W. Ayers.....	do.....	25.30
	O. T. Swan.....	do.....	25.30
	Thos. Balfour.....	do.....	25.30
	J. D. Warner.....	do.....	25.30
	Henry D. Scudder.....	do.....	25.30
	Holyoke Davis.....	do.....	25.30
	Allens S. Peck.....	do.....	25.30
	Raymond E. Benedict.....	do.....	60.60
	E. A. Braniff.....	do.....	78.48
6	W. K. Hatt.....	Traveling expenses.....	28.90
10	Wm. H. Kobbe.....	do.....	58.31
	Danl. W. Hamm.....	do.....	34.50
	Clarence John Buck.....	do.....	29.75
	Otto Luebker.....	do.....	17.65
	Clinton G. Smith.....	do.....	71.95
	Clifton D. Howe.....	do.....	48.95
	Harold D. Foster.....	do.....	62.65
	Paul D. Kelleter.....	do.....	100.45
	Willard M. Drake.....	do.....	65.50
	Frank B. Moody.....	do.....	83.00
	Jas. M. Fetherolf.....	do.....	46.10
	Jno. H. Bridges.....	do.....	16.93
	Stuart J. Flintham.....	do.....	23.41
	Ira N. Bovee.....	Services.....	32.00
	Fred. Thornton.....	do.....	23.75
	C. A. Norton.....	do.....	27.72
	Herbert A. Smith.....	do.....	28.00
	Sherman A. Allen.....	do.....	25.30
	Wm. C. Hodge, jr.....	do.....	101.10
	The Leeds and Northrup Co.....	do.....	81.00
	Delano & Moore.....	do.....	575.49
12	H. M. Sutter.....	do.....	140.30
	Harvard Laundry Co.....	do.....	2.33
13	D. N. Walford.....	Dials.....	25.20
	Moore Bros.....	Typewriters.....	68.00
	Jas. S. Topham.....	Trunks.....	90.00
	Wm. Brown.....	Drayage.....	2.00
14	Coert Du Bois.....	Traveling expenses.....	132.61
	J. P. Wentling.....	do.....	87.82
	J. F. Baker.....	do.....	67.05
	E. R. Secrest.....	do.....	44.20
	Jerome H. Ramskill.....	do.....	29.25
	Eugene S. Bruce.....	do.....	75.04
	Z. L. Bliss.....	do.....	130.67
	Saml. B. Detwiler.....	do.....	13.85
	Jas. E. Gow.....	do.....	35.10
	Howard F. Weiss.....	do.....	29.15
	F. E. Olmsted.....	do.....	170.35
	Thos. J. Taylor.....	do.....	20.15
	Wilfred W. White.....	do.....	32.30
	J. S. Holmes.....	do.....	73.45
	Henry D. Allen.....	do.....	36.48
	Richd. P. Imes.....	do.....	101.75
	Herbert A. Paul.....	do.....	143.40
	Wesley J. Gardner.....	do.....	290.90
	Edw. M. Hamilton.....	do.....	142.00
	J. Earl Barton.....	do.....	16.85



Expenditures of the Department of Agriculture for fiscal year ending June 30, 1904—Cont'd.

## FORESTRY INVESTIGATIONS—Continued.

Date.	Name.	Nature of payment.	Total.
1903.			
Aug. 14	E. B. Hodson	Traveling expenses	\$81.72
	Wm. R. Lazenby	Services	25.30
	C. W. Edgerton	do	25.30
	Wm. T. Cox	do	50.50
	O. S. Mason	do	49.50
	O. H. Conrad	Rubber hose	37.50
	Red Front Mercantile Co.	Groceries	45.65
	Geo. M. Baldwin	Lumber	45.68
	C. Becker	Trunk	18.90
	The Maurice Joyce Engraving Co.	Dies	8.00
	Remington Typewriter Co.	Typewriter	182.25
	Capital Traction Co.	Car tickets	15.00
	Geo. E. Corbett	Photo materials	20.75
	R. C. M. Burton & Son	Awnings	6.95
	L. G. Orndorff	Wheel cart	7.00
	Chas. R. Edmonston	Filter	7.00
	Densmore Typewriting Co.	Card platen	7.50
15	National Electrical Supply Co.	Fans	17.00
	Francis Miller	Oil	3.68
	Lamb & Tilden	Rack	3.80
	Hugh Reilly	Brush	1.30
17	W. & L. E. Gurley	Compasses	137.70
	Chas. N. Dayton	Photo prints	1.50
18	E. Morrison Paper Co.	Stationery	18.75
	Remington Typewriter Co.	Typewriter	92.25
	Jno. C. Rau	Wire	4.14
	Bishop Art Co.	Photo supplies	29.94
19	Reynolds Hill	Traveling expenses	235.17
	C. O. Sparks	do	154.42
	Harold B. Eastman	do	38.46
	F. W. Reed	do	101.15
	R. G. Giffin	do	10.00
	Geo. Farley	do	37.20
	Theo. F. Borst	do	35.05
	E. J. S. Moore	do	59.99
	Jos. A. Fitzwater	do	23.35
	Walter S. Brown	do	36.64
	Frank G. Miller	do	67.40
	Manasseh Smith, jr.	do	61.07
	Chas. A. Scott	do	51.66
	Alfred Gaskill	do	179.50
	H. K. Porter	do	113.12
	Geo. Griswold	do	68.64
	Saml. N. Spring	do	119.46
	Hugh P. Baker	do	309.93
	Gilbert Alleman	do	289.15
	Geo. E. Tower	do	183.15
	Clyde Leavitt	do	30.39
	Burton E. Babcock	do	29.57
	Ralph E. Sheldon	do	40.08
	E. A. Ziegler	do	53.43
	C. E. Feagan	do	41.75
	Henry Grinnell	do	244.46
	G. E. Clement	do	131.61
	Henry W. Newman	do	16.25
	Smith Riley	do	120.40
	Filibert Roth	do	169.78
	W. H. B. Kent	do	143.65
	H. Day Foster	do	37.75
	Louis Margolin	do	17.90
	Keuffel & Esser	Guides	28.50
	Carter, Rice & Co. (Corporation)	Wrapping paper	21.60
	G. W. Shank	Board	36.67
	Jno. C. Gifford	Services	151.60
	Chas. A. Lyford	do	25.30
	R. S. Kellogg	Traveling expenses	201.25
	Thornton T. Munger	do	11.95
	Jno. M. Keeler, jr.	do	31.00
	H. B. Holroyd	do	4.25
	Frank A. Clarke	do	141.35
	Wm. T. Cox	do	238.41
	M. A. Benedict	do	110.94
	Geo. H. Cecil	do	45.20
	W. & L. E. Gurley	Pouch	2.15
	Eberhard Faber	Bands	126.00
	C. P. Goerz	Lenses	222.30
	The Torsion Balance Co.	Metric weights	24.50
20	Wm. E. Stockett & Co.	Portfolio	1.00

Expenditures of the Department of Agriculture for fiscal year ending June 30, 1904—Cont'd.

## FORESTRY INVESTIGATIONS—Continued.

Date.	Name.	Nature of payment.	Total.
1903.			
Aug. 20	Geo. H. Walker & Co. ....	Maps .....	\$1.00
	M. Du Perow .....	Buzzers .....	3.60
	do. ....	Electric supplies .....	4.14
21	National Electrical Supply Co. ....	Measuring instruments .....	6.00
	Robt. W. Peed. ....	Services .....	60.00
	R. V. R. Reynolds .....	Traveling expenses .....	151.83
	Douglas Rodman .....	do. ....	26.35
	T. P. Luikens .....	do. ....	182.30
	M. C. Jensen .....	do. ....	72.87
	Robt. W. Ayers .....	do. ....	56.40
	J. C. Blumer .....	do. ....	10.55
	H. D. Scudder .....	do. ....	59.00
	Avery T. Searl .....	do. ....	36.68
	E. E. Burk .....	do. ....	88.70
	Albert W. Cooper .....	do. ....	15.85
	Robt. B. Wilson .....	do. ....	215.81
	Albert F. Potter .....	do. ....	169.75
	Ferris R. Miller .....	do. ....	58.23
	Wm. F. Hubbard .....	do. ....	121.64
25	Jas. B. Jones .....	do. ....	162.25
	Roland D. Craig .....	do. ....	42.15
	Wm. H. Mast .....	do. ....	141.27
	W. W. Mott .....	do. ....	63.31
	Walter B. Hadley .....	do. ....	48.45
	L. C. Miller .....	do. ....	202.20
	Wm. L. Hall .....	do. ....	56.30
	A. D. Hopkins .....	do. ....	51.69
	Fayette D. Conden .....	do. ....	14.26
	Allen B. Patterson .....	do. ....	93.95
	Edw. T. Allen .....	do. ....	128.61
	Wm. W. Mott .....	do. ....	15.55
	J. B. Jones .....	Services .....	40.40
	Franklin W. Reed .....	do. ....	84.20
26	Jno. B. Anderson .....	Traveling expenses .....	50.78
	G. B. Lull .....	do. ....	38.59
	Ralph S. Hosmer .....	do. ....	186.05
	Clinton G. Smith .....	do. ....	40.25
	Edw. E. Carter .....	do. ....	16.87
	H. O. Tunis .....	do. ....	21.06
	Blaine S. Viles .....	do. ....	146.00
	Frank Klarpp .....	do. ....	50.50
	Robt. L. Black .....	do. ....	83.20
	David G. Kinney .....	do. ....	153.62
	Chas. A. Lyford .....	do. ....	22.20
	E. A. Bramiff .....	do. ....	190.51
	E. G. Cheney .....	do. ....	16.15
	F. W. Besley .....	do. ....	46.90
	Frank Tompkins .....	do. ....	31.57
	Wallace I. Hutchinson .....	do. ....	48.42
	R. G. Zon .....	do. ....	45.26
	Wm. W. Cheever .....	do. ....	31.00
	R. E. Benedict .....	do. ....	204.65
	C. A. McCue .....	do. ....	179.95
	Elers Koch .....	do. ....	225.25
	H. D. Langille .....	do. ....	120.57
	H. J. Thomkins .....	do. ....	123.21
	C. H. Hanson .....	Hammers .....	25.50
	W. A. Downing Saddlery Co. ....	Saddles .....	40.50
27	Loren E. Hunt .....	Traveling expenses .....	150.20
	Anson E. Cohoon .....	do. ....	78.06
	Paul D. Kelleter .....	do. ....	50.55
	R. V. R. Reynolds .....	do. ....	127.12
	S. S. Shedd & Bro. Co. ....	Heater .....	9.70
	Moore Bros .....	Traveling case .....	8.00
	The J. C. Ergood Co. ....	Pearline .....	1.44
	M. Du Perow .....	Electric supplies .....	2.40
	Fred. A. Schmidt .....	Drawing materials .....	31.05
	Houghton & Delano .....	Photo supplies .....	108.71
	D. F. Parker .....	Stationery .....	54.60
	The C. J. McCubbin Co. ....	Straps .....	.20
	W. B. Moses & Sons .....	Furniture .....	20.25
	Rudolph, West & Co. ....	Hardware .....	39.22
	Jas. B. Lambie Co. ....	do. ....	5.87
	do. ....	Brooms .....	5.80
	Amberg File and Index Co. ....	Cases .....	15.59
28	Jno. H. Hatton .....	Traveling expenses .....	136.21
29	W. K. Hatt .....	do. ....	40.79
31	C. H. Herty et al. ....	Salaries .....	4,745.37

*Expenditures of the Department of Agriculture for fiscal year ending June 30, 1904—Cont'd.*

## FORESTRY INVESTIGATIONS—Continued.

Date.	Name.	Nature of payment.	Total.
1903.			
Sept. 1	Jno. Appleton.....	Services.....	\$40.40
	J. Fred. Baker.....	do.....	40.40
	M. A. Benedict.....	do.....	40.40
	Jacob C. Blumer.....	do.....	40.40
	H. J. Brown.....	do.....	40.40
	Fred. A. Besley.....	do.....	40.40
	Jas. M. Fetheroff.....	do.....	40.40
	Robt. V. R. Reynolds.....	do.....	40.40
	Clayton D. Mell.....	do.....	40.40
	Wm. B. Howard.....	do.....	40.40
	H. B. Eastman.....	do.....	40.40
	Wm. W. Cheever.....	do.....	40.40
	A. C. Ringland.....	do.....	40.40
	Gerald B. Lull.....	do.....	40.40
	Jno. S. Guthrie.....	do.....	40.40
	J. S. Holmes.....	do.....	40.40
	E. R. Holson.....	do.....	40.40
	Herbert A. Paul.....	do.....	40.40
	Herbert O. Stabler.....	do.....	40.40
	Blaine S. Viles.....	do.....	40.40
	J. P. Wentling.....	do.....	40.40
	S. P. Woolfolk.....	do.....	40.40
	Alpheus O. Waha.....	do.....	40.40
	Ferris R. Miller.....	do.....	40.40
	Wm. T. Cox.....	do.....	50.50
	Geo. E. Tower.....	do.....	50.50
	Jno. H. Hatton.....	do.....	50.50
	Geo. Griswold.....	do.....	50.50
	Harry E. Burke.....	do.....	50.50
	Jno. E. Keach.....	do.....	50.50
	C. Marshall Taylor.....	do.....	50.50
	Frank Tompkins.....	do.....	50.50
	David G. Kinney.....	do.....	50.50
	Zina L. Bliss.....	do.....	50.50
	Theo. F. Borst.....	do.....	50.50
	Wm. H. Mast.....	do.....	50.50
	Frank Klarpp.....	do.....	50.50
	C. O. Sparks.....	do.....	50.50
	C. A. Norton.....	do.....	50.50
	C. Feagan.....	do.....	50.50
	Anson E. Cohoon.....	do.....	60.60
	Hugh P. Barker.....	do.....	60.60
	Louis C. Miller.....	do.....	60.60
	Royal S. Kellogg.....	do.....	60.60
	E. J. S. Moore.....	do.....	60.60
	Jno. W. Piggs.....	do.....	60.60
	Chas. A. Scott.....	do.....	60.60
	W. J. Hutchinson.....	do.....	60.60
	M. C. Jensen.....	do.....	60.60
	Herman J. Sutter.....	do.....	75.80
	Smith Riley.....	do.....	75.80
	Geo. Farley.....	do.....	75.80
	Henry W. Newman.....	do.....	75.80
	G. G. Rollin.....	do.....	75.80
	Wm. H. B. Kent.....	do.....	75.80
	Rapheal G. Zon.....	do.....	75.80
	Reynolds Hill.....	do.....	75.80
	Elers Koch.....	do.....	84.20
	H. K. Porter.....	do.....	84.20
	Robt. D. Wilson.....	do.....	84.20
	Wm. D. Sterrett.....	do.....	84.20
	Judson F. Clarke.....	do.....	84.20
	J. Given Peters.....	do.....	84.20
	Theo. S. Woolsey, jr.....	do.....	84.20
	Harold B. Kempton.....	do.....	84.20
	Saml. B. Delwiller.....	do.....	84.20
	Saml. L. Spring.....	do.....	84.20
	Jno. B. Anderson.....	do.....	84.20
	Theo. P. Lukens.....	do.....	84.20
	Albert Cooper.....	do.....	84.20
	Roy. L. Marston.....	do.....	84.20
	Alfred Ackerman.....	do.....	84.20
	Frank G. Miller.....	do.....	84.20
	W. J. Gardner.....	do.....	84.20
	Austin F. Hawes.....	do.....	84.20
	Chas. S. Chapman.....	do.....	101.10
	Coert Du Bois.....	do.....	101.10
	Edwin M. Hamilton.....	do.....	101.10
	Wm. C. Hodge, jr.....	do.....	101.10



Expenditures of the Department of Agriculture for fiscal year ending June 30, 1904—Cont'd.

## FORESTRY INVESTIGATIONS—Continued.

Date.	Name.	Nature of payment.	Total.
1903. Sept. 1	Alfred Chittenden	Services	\$101.10
	Frank W. Reed	do	101.10
	Geo. E. Clement	do	101.10
	Edw. T. Allen	do	151.60
	W. A. Langille	do	151.60
	Alfred F. Potter	do	151.60
	Jno. Gifford	do	151.60
	H. D. Langille	do	168.50
	Thos. H. Sherrard	do	168.50
	Loren E. Hunt	do	168.50
	H. von Schrenk	do	210.60
	Eugene S. Bruce	do	210.60
	H. J. Tompkins	do	117.90
	Filibert Roth	do	189.55
	Sherman A. Allen	do	19.57
	Wm. W. Mott	do	8.15
	Joseph Mead	do	12.23
	Daniel W. Hamm	do	17.12
	J. B. Jones	do	18.26
	Carl G. Barth	do	100.00
	G. Alleman	do	60.00
	Walter Shoemaker	do	32.00
	Allen B. Paterson	do	25.30
	do	do	25.30
	Burtis J. Teasdale	do	25.30
	Henry D. Scudder	do	25.30
	Allen S. Peck	do	25.30
	Hartley B. Halroyd	do	25.30
	O. T. Swan	do	25.30
	Willis L. Jepson	do	25.30
	J. H. Ramskill	do	25.30
	Phillip T. Harris	do	25.30
	Thornton T. Munger	do	25.30
	Walter K. Wildes	do	25.30
	Howard T. Weiss	do	25.30
	A. W. Whetstone	do	25.30
	Edw. E. Carter	do	25.30
	Geo. H. Cecil	do	25.30
	E. G. Cheyney	do	25.30
	Douglas Rodman	do	25.30
	Joseph A. Fitzwater	do	25.30
	C. W. Edgerton	do	25.30
	O. E. Oman	do	25.30
	W. G. Higgins	do	25.30
	Walter S. Prown	do	25.30
	Manasseh Smith, jr.	do	25.30
	L. L. White	do	25.30
	Henry D. Aller	do	25.30
	Wm. H. Kobbi	do	25.30
	Edwd. A. Ziegler	do	25.30
	Ralph E. Shelden	do	25.30
	J. D. Warner	do	25.30
	Jas. W. Tonney	do	25.30
	Chas. A. Lyford	do	25.30
	Wm. R. Lazenby	do	25.30
	E. E. Adams	do	25.30
	E. E. Bogue	do	25.30
	Louis Margolin	do	25.30
	W. R. Mattoon	do	25.30
	Robt. W. Ayers	do	25.30
	Frank B. Moody	do	25.30
	S. J. Flinthorn	do	25.30
	Willard M. Drake	do	25.30
	Louis Krautler, jr.	do	25.30
	Jno. H. Bridges	do	25.30
	Robt. L. Black	do	25.30
	Walter B. Hadley	do	25.30
	Roland D. Craig	do	25.30
	Avery T. Searle	do	25.30
	Phillip W. Ayers	do	25.30
	Allen R. Powers	do	25.30
	H. Day Foster	do	25.30
	T. Leonard Hoover	do	25.30
	Clinton G. Smith	do	25.30
	Paul D. Redington	do	25.30
	Anton D. Boisen	do	25.30
	Clifton D. Howe	do	25.30
	Will B. Greeley	do	25.30
	Karl W. Woodward	do	25.30

Expenditures of the Department of Agriculture for fiscal year ending June 30, 1904—Cont'd.

## FORESTRY INVESTIGATIONS—Continued.

Date.	Name.	Nature of payment.	Total.
1903. Sept. 1	W. J. Turner	Services	\$25.30
	Geo. W. Donnan	do	25.30
	Jno. M. Nelson, jr.	do	25.30
	F. H. McLaury	do	25.30
	Jas. E. Gow	do	25.30
	H. R. Bristol	do	25.30
	Jno. M. Keeler, jr.	do	25.30
	Walter J. Morrell	do	25.30
	Fayette D. Conden	do	25.30
	Max Rothkugel	do	25.30
	Burton E. Babcock	do	25.30
	Clyde Leavitt	do	25.30
	Will L. Porterfield	do	25.30
	E. R. Secrist	do	25.30
	Holyoke Davis	do	25.30
	H. O. Tunis	do	25.30
	Ernest Sanders	do	25.30
	W. W. White	do	25.30
	Jay F. Bond	do	25.30
	Sylvester M. Crowell	do	25.30
	Thos. J. Taylor	do	25.30
	Burton P. Twichell	do	25.30
	R. C. Hawley	do	25.30
	Clarence J. Buck	do	25.30
	J. Earl Barton	do	25.30
	Alfred C. Weed	do	25.30
	F. Stanley Kent	do	25.30
	R. B. Bartholomew	do	25.30
	H. Day Everett	do	25.30
	H. W. Chittenden	do	25.30
	Wallace W. Everitt	do	25.30
3	Joseph Meed	Traveling expenses	59.00
	Wm. C. Hodge, jr.	do	158.10
	Chas. H. Herty	do	437.60
4	Walter Shoemaker	Services	32.00
	W. A. Dowling Saddlery Co.	Harness	30.00
	Paul D. Kelleter	Services	25.30
	Titus D. Phillipps	do	40.40
	Herbert A. Smith	do	56.00
	Raymond E. Benedict	do	60.60
	Frank A. Clarke	do	75.80
	Chas. H. Crist	do	6.52
	Galen S. Cleland	do	19.57
8	Harry Grinnell	Traveling expenses	133.95
9	Chas. S. Chapman	do	41.37
	Thos. J. Taylor	do	36.60
	W. F. Fiske	do	74.74
	Jno. W. Warren	Services	60.60
	W. G. Wiegel	do	25.30
10	E. A. Ziegler	Traveling expenses	57.59
	J. P. Wentling	do	71.98
	Henry D. Allen	do	52.69
	R. S. Kellogg	do	210.34
	H. N. Whitford	do	14.00
	Jas. E. Gow	do	3.30
	Phillip T. Harris	do	4.95
	Ferris R. Miller	do	69.90
	Franklin R. Reed	do	72.73
	Jno. Foley	do	32.60
	Geo. Griswold	do	71.47
	Wm. H. Kobb	do	77.89
	M. C. Jensen	do	76.30
	Walter S. Brown	do	39.60
	Clarence J. Buck	do	33.35
	Hartley B. Holroyd	do	11.26
	H. W. Newman	do	40.65
	O. A. Waha	do	12.48
	Jno. Appleton	do	32.65
	Edw. A. Braniff	Services	84.20
	C. A. McCue	do	50.50
	Robt. H. Allen	do	13.86
	Royal F. Nash	do	6.52
	J. P. Nawrath	Twine	5.38
	Henry Heil Chemical Co.	Beakers	3.55
	Remington Typewriter Co.	Typewriter	92.25
	Barber & Ross	Hatchet handles	4.15
11	Jno. Underwood & Co.	Carbon paper	37.90
	Kelly Axe Manufacturing Co.	Axes	18.00
	Andrew Faist	Horse	25.00

Expenditures of the Department of Agriculture for fiscal year ending June 30, 1904—Cont'd.

## FORESTRY INVESTIGATIONS—Continued.

Date.	Name.	Nature of payment.	Total.
1903.			
Sept. 11	Red Front Mercantile Co.....	Groceries.....	\$60.32
	Fred. Thornton.....	Services.....	31.25
	Ira N. Bovee.....	do.....	26.25
	J. M. Fetherolf.....	Traveling expenses.....	32.68
	Wm. W. Cheever.....	do.....	24.52
	Allen B. Patterson.....	do.....	130.80
	Chas. A. Lyford.....	do.....	25.75
	B. E. Babcock.....	do.....	31.00
	David G. Kinney.....	do.....	154.92
	A. D. Hopkins.....	do.....	40.56
	Alfred Gaskill.....	do.....	368.00
12	Delano & Moore.....	Photo supplies.....	329.35
14	Mackall Bros.....	Burettes, etc.....	146.63
	O. W. Price.....	Traveling expenses.....	107.75
16	J. W. Tournay.....	do.....	174.34
	Phillip T. Harris.....	do.....	6.13
	Fayette D. Conden.....	do.....	12.25
	J. H. Ramskill.....	do.....	31.00
	Eugene S. Bruce.....	do.....	530.82
	Jno. W. Warren.....	do.....	76.12
	C. Marshall Taylor.....	do.....	120.35
	Manesseh Smith, jr.....	do.....	49.22
	Daniel W. Hamm.....	do.....	21.18
	Robt. B. Wilson.....	do.....	82.12
	R. V. R. Reynolds.....	do.....	37.81
	E. R. Secrist.....	do.....	31.00
	Elers Koch.....	do.....	121.50
	G. E. Tower.....	do.....	266.75
	Edw. T. Allen.....	do.....	48.40
	Saml. B. Detwiler.....	do.....	10.85
	Wm. F. Hubbard.....	do.....	168.59
	L. C. Miller.....	do.....	288.11
	Wesley Bradfield.....	Services.....	15.49
	Alfred C. Burrill.....	do.....	6.52
	Clyde F. Kershner.....	do.....	15.49
	Santiago Artiaga.....	do.....	15.49
	F. B. H. Brown.....	do.....	15.49
	Church & Stephenson.....	Lumber.....	97.46
	Jas. Nicholson.....	Canvas.....	8.00
	Julius Lansburg.....	Hardware.....	24.35
	Jos. L. Crupper.....	Lumber.....	13.60
17	Keuffel & Esser Co.....	Rules.....	54.00
	The Draper Manufacturing Co.....	Thermometers.....	30.00
	Tinius Olsen & Co.....	Tools.....	10.00
	C. R. Nilstead.....	Preparing plats.....	12.00
	R. N. Peed.....	Services.....	60.00
	H. N. Scudder.....	Traveling expenses.....	10.35
	Avery T. Searle.....	do.....	9.45
	Ralph E. Sheldon.....	do.....	47.85
	Z. L. Bliss.....	do.....	95.40
	G. E. Clement.....	do.....	160.50
	C. Feagan.....	do.....	70.65
	Frank Tompkins.....	do.....	109.67
	Herbert R. Paul.....	do.....	90.85
	J. Fred Baker.....	do.....	85.27
	T. P. Lukins.....	do.....	257.63
	E. R. Hodson.....	do.....	98.81
	David G. Kinney.....	do.....	26.37
	Coert Du Boise.....	do.....	255.70
	Clifton D. Howe.....	do.....	36.74
	A. S. Peck.....	do.....	3.50
	do.....	do.....	9.95
	Hamilton G. Merrill.....	Services.....	10.43
18	H. D. Langille.....	Traveling expenses.....	132.27
	Alfred C. Burrill.....	do.....	12.20
	H. B. Eastman.....	do.....	85.78
	Hugh P. Baker.....	do.....	233.73
	Edwin M. Hamilton.....	do.....	39.00
	Jno. M. Keeler, jr.....	do.....	23.32
	G. S. Cleland.....	do.....	22.42
	E. J. S. Moore.....	do.....	51.90
	Chas. A. Scott.....	do.....	107.94
	M. A. Benedict.....	do.....	98.62
	Gilbert Alleman.....	do.....	91.44
	J. W. Toumey.....	do.....	105.99
	Fred A. Schmidt.....	Drawing materials.....	18.15
	Maine Central R. R. Co.....	Passenger transportation.....	10.85
	Great Northern Rwy. Co.....	do.....	12.39



Expenditures of the Department of Agriculture for fiscal year ending June 30, 1904—Cont'd.

## FORESTRY INVESTIGATIONS—Continued.

Date.	Name.	Nature of payment.	Total.
1903.			
Sept. 18	The Pennsylvania R. R. Co.....	Passenger transportation.....	\$17.00
	.....do.....	.....do.....	97.50
	.....do.....	.....do.....	99.87
	Washington Southern Rwy. Co.....	.....do.....	11.30
	Galveston, Harrisburg and San Antonio Rwy. Co.....	.....do.....	22.10
	Oregon Short Line R. R. Co.....	.....do.....	15.30
	Georgia Southern and Florida Rwy. Co.....	.....do.....	8.61
19	Michigan Central R. R. Co.....	.....do.....	63.65
	Duluth, South Shore and Atlantic Rwy. Co.....	.....do.....	44.79
	Delaware, Lackawanna and Western R. R. Co.....	.....do.....	10.90
	Terre Haute and Indianapolis R. R. Co.....	.....do.....	64.00
	Southern Rwy. Co.....	.....do.....	92.95
	Burlington and Missouri River R. R.....	.....do.....	6.63
	The Chesapeake and Ohio Rwy. Co.....	.....do.....	77.75
	Northern Pacific Rwy. Co.....	.....do.....	15.80
	Rio Grande, Pagosa and Northern R. R. Co.....	.....do.....	11.10
	Erie R. R. Co.....	.....do.....	8.92
	The Atchison, Topeka and Santa Fe Rwy. Co.....	.....do.....	206.45
	Oceanic Steamship Co.....	.....do.....	135.00
	Pennsylvania R. R. Co.....	.....do.....	46.90
	Georgia Southern and Florida Rwy. Co.....	.....do.....	3.84
	New York Central and Hudson River R. R. Co.....	.....do.....	24.05
	Southern Rwy. Co.....	.....do.....	37.25
	Merchants and Miners' Transportation Co.....	.....do.....	12.50
	Central Vermont Rwy. Co.....	.....do.....	3.02
21	R. P. Andrews & Co. (Incorporated).....	Paper holders.....	20.40
	The Maurice Joyce Engraving Co.....	Engraving letter paper.....	.75
	Giddings & Steele.....	Rug.....	3.10
	Merchants' Transfer and Storage Co.....	Hauling.....	12.85
	Underwood Typewriter Co.....	Typewriting.....	92.50
	S. J. Venable.....	Photo supplies.....	2.95
	E. Morrison Paper Co.....	Cardboard.....	8.80
	Wm. E. Stockett & Co.....	Tags.....	5.50
	Lamb & Tilden.....	Steel plates.....	21.45
	R. B. Merchant.....	Map.....	.80
	Nellie W. Breinzer.....	Traveling expenses.....	34.50
22	Saml. N. Spring.....	.....do.....	184.54
	F. E. Olmsted.....	.....do.....	268.60
	Jno. H. Hatton.....	.....do.....	151.30
	Albert F. Potter.....	.....do.....	123.65
	Wm. T. Cox.....	.....do.....	229.30
	Richard P. Imes.....	.....do.....	134.95
	C. A. McCue.....	.....do.....	183.83
	Frank G. Miller.....	.....do.....	78.31
	H. E. Burke.....	.....do.....	48.00
	H. H. Chapman.....	.....do.....	49.60
	.....do.....	.....do.....	49.36
	R. E. Benedict.....	.....do.....	62.95
	Edw. S. Bryant.....	.....do.....	12.43
	C. O. Sparks.....	.....do.....	64.65
	A. W. Whetstone.....	.....do.....	7.27
	Walter K. Wilder.....	.....do.....	10.17
	.....do.....	.....do.....	6.00
	A. E. Owen.....	.....do.....	5.00
	C. H. Ray.....	Supplies.....	28.90
24	Harold F. Kempton.....	Traveling expenses.....	427.91
	Jno. Appleton.....	.....do.....	42.28
	Loren E. Hunt.....	.....do.....	55.20
	Filibert Roth.....	.....do.....	101.90
	Smith Riley.....	.....do.....	80.57
	Wm. H. Mast.....	.....do.....	61.15
	Frank A. Clarke.....	.....do.....	124.43
	H. J. Tompkins.....	.....do.....	243.85
	W. A. Langille.....	.....do.....	225.72
	.....do.....	.....do.....	277.87
	J. S. Holmes.....	.....do.....	66.22
	.....do.....	.....do.....	4.75
	C. W. Edgerton.....	.....do.....	4.75
	Wm. C. Hodge, jr.....	Expenses.....	33.30
	Ernest N. Litts.....	Services, August.....	112.50
	.....do.....	Services, September.....	45.00
	Henry Lawrence.....	Services.....	30.00
	C. J. Murray.....	.....do.....	155.00
	Henry Longheue.....	Horse.....	37.50
	Barber & Ross.....	Screws, etc.....	8.02
	Queen & Co. (Incorporated).....	Photo supplies.....	5.25
	W. & L. E. Gurley.....	Compasses.....	273.60
	Emil Greiner.....	Glass graduates.....	.40
	Eimer & Amend.....	Supplies.....	12.30

Expenditures of the Department of Agriculture for fiscal year ending June 30, 1904—Cont'd.

## FORESTRY INVESTIGATIONS—Continued.

Date.	Name.	Nature of payment.	Total.
1903. Sept. 28	Robt. H. Allen	Traveling expenses	\$629.65
	W. H. B. Kent	do	136.20
	Ferris R. Miller	do	47.45
	Edwd. E. Carter	do	14.50
	H. K. Porter	do	131.70
	W. W. White	do	39.74
	W. J. Gardner	do	256.90
	Thos. H. Sherrard	do	13.85
	Library Bureau	Cases	58.50
	Jas. S. Topham	Trunk	15.50
	Lutz & Co.	Cases	77.90
	Woodward & Lothrop	Desks, etc	169.11
	Remington Typewriter Co.	Typewriter	92.25
	Geo. F. Muth & Co.	Paints, etc	131.34
30	Geo. B. Sudworth et al.	Salaries	4,166.01
	Total first quarter		2,6784.38
Oct. 1	G. E. Clement	Traveling expenses	188.95
	do	Services	97.80
	C. S. Chapman	do	97.80
2	E. T. Alien	do	146.80
	A. F. Potter	do	146.80
	W. A. Langille	do	146.80
	L. E. Hunt	do	163.00
	T. H. Sherrard	do	163.00
	H. D. Langille	do	163.40
	C. H. Hertz	do	203.80
	H. von Schrenk	do	203.80
	E. S. Bruce	do	60.00
	G. Alleman	do	26.09
	G. Griswold	do	100.00
	C. G. Barth	do	165.80
	R. P. Imes	do	1.63
	W. H. Kobbe	do	5.71
	R. L. Black	do	5.71
	G. J. Traugott	do	8.15
	O. T. Swan	do	10.60
	W. M. Drake	do	11.41
	W. K. Wilder	do	13.86
	S. J. Fluitham	do	16.96
	J. S. Holmes	do	21.20
	H. W. Woodward	do	21.74
	F. G. Miller	do	22.83
	C. W. Crist	do	24.78
	H. B. Eastman	do	28.70
	G. B. Lull	do	30.00
	J. F. Baker	do	49.70
	F. J. Phillips	do	55.43
	E. A. Sterling	do	91.71
	F. Roth	do	9.78
	A. Whetstone	do	9.78
	F. H. McLaury	do	9.78
	T. L. Hoover	do	13.04
	H. R. Bristol	do	13.04
	H. W. Chittenden	do	14.67
	T. T. Munger	do	14.67
	L. Margolin	do	14.67
	R. E. Sheldon	do	15.49
	E. E. Carter	do	15.49
	F. D. Conden	do	15.49
	F. S. Kent	do	15.49
	R. W. Ayers	do	15.49
	H. D. Everett	do	17.12
	A. R. Powers	do	17.12
	C. Leavitt	do	17.12
	W. S. Brown	do	17.12
	A. C. Burrill	do	17.12
	M. Smith, jr	do	17.12
	S. Artiaga	do	17.93
	J. D. Warner	do	17.93
	F. B. H. Brown	do	17.93
	C. F. Karshner	do	17.93
	W. Bradfield	do	20.38
	W. J. Morrill	do	20.38
	J. M. Keeler, jr	do	20.38
	H. J. Brown	do	27.39
	A. C. Ringland	do	27.39
	J. Appleton	do	31.30

Expenditures of the Department of Agriculture for fiscal year ending June 30, 1904—Cont'd.

## FORESTRY INVESTIGATIONS—Continued.

Date.	Name.	Nature of payment.	Total.
1903.			
Oct. 2	W. C. Martin.....	Services.....	\$31.30
	H. D. Hartley.....	do.....	31.30
	B. S. Viles.....	do.....	32.61
	M. A. Benedict.....	do.....	32.61
	J. D. Guthrie.....	do.....	39.20
	J. P. Wentling.....	do.....	39.20
	T. G. Phillips.....	do.....	39.20
	W. B. Howard.....	do.....	39.20
	R. V. R. Reynolds.....	do.....	39.20
	C. D. Mell.....	do.....	39.20
	A. O. Waha.....	do.....	39.20
	E. R. Hodgson.....	do.....	39.20
	J. M. Fetherolf.....	do.....	39.20
	F. R. Miller.....	do.....	39.20
	W. W. Cheever.....	do.....	39.20
	H. A. Paul.....	do.....	39.20
	J. C. Blumer.....	do.....	39.20
	S. P. Woolfolk.....	do.....	39.20
	W. T. Cox.....	do.....	49.00
	G. E. Tower.....	do.....	49.00
	J. E. Keach.....	do.....	49.00
	H. E. Burke.....	do.....	49.00
	F. Klarpp.....	do.....	49.00
	W. H. Mast.....	do.....	49.00
	C. A. Norton.....	do.....	49.00
	D. G. Kinney.....	do.....	49.00
	F. Tompkins.....	do.....	49.00
	C. M. Taylor.....	do.....	49.00
	Z. L. Bliss.....	do.....	49.00
	C. Feagan.....	do.....	49.00
	T. F. Borst.....	do.....	49.00
	J. H. Hallon.....	do.....	49.00
	A. E. Cohoon.....	do.....	58.80
	E. J. S. Moore.....	do.....	58.80
	J. W. Riggs.....	do.....	58.80
	W. I. Hutchinson.....	do.....	58.80
	R. S. Kellogg.....	do.....	58.80
	E. C. Miller.....	do.....	58.80
	J. W. Warren.....	do.....	58.80
	M. C. Jensen.....	do.....	58.80
	H. M. Suler.....	do.....	73.40
	R. G. Zou.....	do.....	73.40
	H. W. Newman.....	do.....	73.40
	W. R. McKinnon.....	do.....	73.40
	R. G. Giffin.....	do.....	73.40
	S. Riley.....	do.....	73.40
	G. Farley.....	do.....	73.40
	W. H. B. Kent.....	do.....	73.40
	F. A. Clarke.....	do.....	73.40
	J. G. Peters.....	do.....	81.60
	T. S. Woolsey, jr.....	do.....	81.60
	J. F. Clark.....	do.....	81.60
	E. A. Braniff.....	do.....	81.60
	H. K. Porter.....	do.....	81.60
	H. B. Kempton.....	do.....	81.60
	S. B. Detwiler.....	do.....	81.60
	A. F. Hawes.....	do.....	81.60
	W. J. Gardner.....	do.....	81.60
	J. B. Anderson.....	do.....	81.60
	T. P. Lukins.....	do.....	81.60
	R. L. Marston.....	do.....	81.60
	A. W. Cooper.....	do.....	81.60
	A. Akerman.....	do.....	62.50
	W. D. Sterritt.....	do.....	81.60
	F. W. Reed.....	do.....	97.80
	A. K. Chittenden.....	do.....	97.80
	E. M. Hamilton.....	do.....	97.80
	W. C. Hodge, jr.....	do.....	97.80
	E. A. Braniff.....	Traveling expenses.....	160.95
	Howard Laundry Co.....	Laundering.....	1.64
5	T. Balfour.....	Services, August.....	25.30
	do.....	Services, September.....	24.40
	G. H. Cecil.....	do.....	24.40
	W. L. Jepson.....	do.....	24.40
	H. B. Holroyd.....	do.....	24.40
	J. H. Bridges.....	do.....	24.40
	L. Krautter, jr.....	do.....	24.40
	A. S. Peck.....	do.....	24.40
	H. D. Scudder.....	do.....	24.40



Expenditures of the Department of Agriculture for fiscal year ending June 30, 1904—Cont'd.

FORESTRY INVESTIGATIONS—Continued.

Date.	Name.	Nature of payment.	Total.
1903. Oct. 5	R. B. Bartholomew.....	Services.....	\$24.40
	B. J. Teasdale.....	do.....	24.40
	M. Rothkugel.....	do.....	24.40
	J. F. Bond.....	do.....	24.40
	R. C. Hawley.....	do.....	24.40
	A. C. Weed.....	do.....	24.40
	W. G. Weigle.....	do.....	24.40
	P. W. Ayers.....	do.....	24.40
	W. B. Greeley.....	do.....	24.40
	C. D. Howe.....	do.....	24.40
	H. D. Foster.....	do.....	24.40
	P. B. Kelleter.....	do.....	24.40
	W. W. Everett.....	do.....	24.40
	P. G. Redington.....	do.....	24.40
	J. H. Ramskill.....	do.....	24.40
	J. A. Fitzwater.....	do.....	24.40
	J. E. Barton.....	do.....	24.40
	R. H. Allen.....	do.....	24.40
	E. G. Cheyney.....	do.....	24.40
	H. O. Tunis.....	do.....	24.40
	G. S. Cleland.....	do.....	24.40
	D. Rodman.....	do.....	24.40
	B. E. Babcock.....	do.....	24.40
	W. L. Potterfield.....	do.....	24.40
	E. R. Secrest.....	do.....	24.40
	J. E. Gow.....	do.....	24.40
	E. E. Adams.....	do.....	24.40
	E. A. Zeigler.....	do.....	24.40
	A. E. Oman.....	do.....	24.40
	C. W. Edgerton.....	do.....	24.40
	R. D. Craig.....	do.....	24.40
	J. W. Toumey.....	do.....	24.40
	E. E. Bogue.....	do.....	24.40
	E. S. Bryant.....	do.....	8.15
	F. W. Besley.....	do.....	31.30
	H. P. Baker.....	do.....	32.83
	S. N. Spring.....	do.....	57.07
	W. B. Hadley.....	do.....	18.75
	C. Barry.....	do.....	26.09
	J. C. Gifford.....	do.....	146.80
	C. O. Sparks.....	do.....	49.00
	C. A. Scott.....	do.....	58.80
	W. R. Mattoon.....	do.....	13.86
	A. T. Boisen.....	do.....	13.86
	E. B. Wilson.....	do.....	81.60
	E. Koch.....	do.....	81.60
	W. R. Lazenby.....	do.....	24.40
	H. M. Hale.....	do.....	24.40
	F. Klarpp.....	Traveling expenses.....	90.17
	A. Akerman.....	Expenses.....	21.50
	A. T. Searle.....	Services.....	22.01
	J. C. Parker.....	Stationery.....	116.20
	C. Du Bois.....	Services.....	97.80
	H. O. Stabler.....	do.....	39.20
	H. A. Smith.....	do.....	21.00
	H. G. Merrill.....	do.....	28.70
	H. Davis.....	do.....	17.12
	H. D. Aller.....	do.....	24.40
	H. J. Tompkins.....	do.....	114.20
	H. Grinnell.....	Traveling expenses.....	278.15
	Bishop Art Co.....	Photo supplies.....	41.05
	Jas. B. Lambie Co.....	Belting.....	15.36
	Delano & Moore.....	Hydrometer.....	71.74
	Wm. Brown.....	Drayage.....	2.00
	.....do.....	do.....	2.00
	Rudolph, West & Co.....	Hardware.....	9.02
	Post-Office Department.....	Maps.....	28.80
	D. Frank Parker.....	Ink.....	6.75
	Hugh Reilly.....	Shellac.....	.95
	Lamb & Tilden.....	Dater.....	3.00
	Lutz & Co.....	Leather seat.....	10.00
	R. C. M. Burton & Son.....	Awning.....	2.80
	M. Du Perow.....	Lamps.....	6.61
	.....do.....	Electric supplies.....	9.30
	S. P. Johnson.....	Repairs to typewriter.....	.50
	.....do.....	do.....	.50
	Fred. A. Schmidt.....	Drawing materials.....	17.80
	E. Morrison Paper Co.....	Sheet holders.....	16.70
	Potomac Electric Power Co.....	Electric supplies.....	1.07

310 EXPENDITURES IN DEPARTMENT OF AGRICULTURE.

Expenditures of the Department of Agriculture for fiscal year ending June 30, 1904—Cont'd.

FORESTRY INVESTIGATIONS—Continued.

Date.	Name.	Nature of payment.	Total.
1903.			
Oct. 12	W. L. King.....	Felt.....	\$4.00
	D. N. Walford.....	Odometer.....	4.00
	The Maurice Joyce Engraving Co.....	Die.....	.75
	Ed. J. Hannan.....	Photo equipment.....	4.70
	Capital Traction Co.....	Tickets.....	10.00
	E. Carter Ballantyne.....	Stationery.....	12.80
	C. A. Schneider Sons.....	Cast-iron plate.....	4.50
	The Chesapeake and Potomac Telephone Co.....	Moving switchboard.....	3.50
	Harvard Laundry Co.....	Laundrying towels.....	1.83
13	E. R. Secrest.....	Traveling expenses.....	27.87
	R. G. Zou.....	do.....	80.92
14	do.....	do.....	43.30
16	The De Forest & Hotchkiss Co.....	Lumber.....	33.68
	E. G. Cheyney.....	Traveling expenses.....	25.05
	J. H. Ramskill.....	do.....	67.55
	W. W. Cheever.....	do.....	17.10
17	Martha Sneed.....	Services.....	6.00
	P. O. Department.....	Maps.....	23.20
19	W. K. Hatt.....	Traveling expenses.....	71.68
	W. L. Hall.....	Services.....	163.00
	R. T. Fisher.....	do.....	68.48
	F. Murphy.....	do.....	29.37
	J. N. Bovee.....	do.....	29.37
	F. Thornton.....	do.....	30.00
	L. Margolin.....	Traveling expenses.....	31.75
	H. B. Holroyd.....	do.....	13.50
	J. B. Jones.....	do.....	43.75
	E. E. Bogue.....	do.....	48.96
	W. M. Drake.....	do.....	16.55
	F. D. Conden.....	do.....	25.85
	H. D. Langille.....	do.....	109.95
	G. Griswold.....	do.....	25.68
	R. F. Nash.....	do.....	25.70
	H. G. Merrill.....	do.....	66.08
	R. L. Black.....	do.....	24.49
	W. S. Brown.....	do.....	40.77
	R. E. Shelden.....	do.....	31.75
	M. A. Benedict.....	do.....	75.05
	H. D. Tiemann.....	do.....	15.85
	B. S. Viles.....	do.....	217.15
	A. C. Burrill.....	do.....	13.85
	R. V. R. Reynolds.....	Expenses.....	3.00
	C. A. Scott.....	Traveling expenses.....	54.78
	F. W. Besley.....	do.....	27.65
	G. B. Lull.....	do.....	42.66
	E. A. Sterling.....	do.....	53.00
	J. B. Wentling.....	do.....	145.50
	H. B. Eastman.....	do.....	59.23
	A. O. Waha.....	do.....	2.79
	A. E. Cohoon.....	do.....	93.23
	A. F. Hawes.....	do.....	35.80
	S. D. Kelleter.....	do.....	61.20
	C. S. Chapman.....	do.....	28.72
	S. J. Flintham.....	do.....	30.18
	C. O. Sparks.....	do.....	30.25
	A. T. Searle.....	do.....	41.75
	B. S. Viles.....	do.....	120.70
	W. J. Gardner.....	do.....	15.25
	C. W. Crist.....	do.....	38.23
	E. Koch.....	do.....	72.75
	E. T. Allen.....	do.....	142.35
	A. S. Peck.....	do.....	18.00
	E. S. Bruce.....	do.....	425.29
	W. B. Howard.....	do.....	27.22
	F. Tompkins.....	do.....	193.00
	R. G. Giffin.....	do.....	18.50
	H. W. Newman.....	do.....	51.85
	H. P. Baker.....	do.....	150.25
	H. N. Whitford.....	do.....	15.00
	S. B. Detwiler.....	do.....	114.24
	C. M. Taylor.....	do.....	82.84
	G. L. Clothier.....	do.....	42.98
	R. P. Imes.....	do.....	94.25
	A. T. Potter.....	do.....	152.30
	H. H. Chapman.....	do.....	7.35
	C. D. Howe.....	do.....	61.92
	W. R. McKinnon.....	do.....	20.00
	H. J. Tompkins.....	do.....	146.55
	F. E. Olmsted.....	do.....	147.37

Expenditures of the Department of Agriculture for fiscal year ending June 30, 1904—Cont'd.

## FORESTRY INVESTIGATIONS—Continued.

Date.	Name.	Nature of payment.	Total.
1903. Oct. 21	T. P. Lukins .....	Expenses .....	\$273.62
	do .....	Traveling expenses .....	461.19
	M. C. Jensen .....	do .....	58.86
	J. F. Baker .....	do .....	76.79
	C. Du Bois .....	do .....	203.07
	R. T. Fisher .....	do .....	38.58
	C. Feagan .....	do .....	72.20
	A. D. Hopkins .....	do .....	84.51
	E. J. S. Moore .....	do .....	91.30
	S. Riley .....	do .....	95.80
	J. M. Fetherolf .....	do .....	52.21
	J. H. Hatton .....	do .....	139.97
	J. E. Barton .....	do .....	9.20
	R. E. Benedict .....	do .....	211.25
	W. H. Mast .....	do .....	98.35
	M. Smith, jr. ....	do .....	56.22
	E. E. Carter .....	do .....	34.30
	F. Roth .....	do .....	33.02
	P. G. Redington .....	do .....	13.60
	S. N. Spring .....	do .....	108.87
	A. B. Patterson .....	do .....	16.65
	R. W. Malloon .....	do .....	33.60
	A. G. Varela .....	do .....	86.05
	H. B. Kempton .....	do .....	196.48
	A. B. Patterson .....	Services .....	26.85
	E. G. Hunter .....	do .....	17.61
	Eimer & Amend .....	Hygrometers .....	39.70
	Malinckrodt Chemical Works .....	Chemicals .....	67.60
22	Whitall Tatum Co .....	Bottles .....	7.45
	Geo. H. Fuller Desk Co. ....	Desk and chair .....	53.00
	J. H. Bunnell & Co. ....	Key sockets .....	1.95
23	C. S. Jenkins .....	Map rack .....	55.00
	Sturtevant & Greely .....	Washstand .....	5.00
	J. T. Thomson .....	Furniture .....	45.00
	E. E. Cleveland Furniture Co. ....	Filing cabinet .....	91.57
	The H. & W. B. Drew Co .....	Filing cabinet .....	45.00
	Abercrombie & Fitch .....	Heaters .....	9.00
	Z. F. Moody .....	Pasturing horse .....	15.00
	R. M. Follows .....	Horse hire .....	34.60
	W. Shoemaker .....	Services .....	32.00
	C. G. Smith .....	do .....	24.40
24	H. S. Betts .....	Traveling expenses .....	6.45
	E. R. Hodson .....	do .....	86.24
	A. Gaskill .....	do .....	326.15
	W. T. Cox .....	do .....	156.89
	F. W. Reed .....	do .....	56.05
	H. A. Paul .....	do .....	91.60
	W. H. Kobbi .....	do .....	20.40
	W. J. Gardner .....	do .....	211.24
	J. E. Gow .....	do .....	3.00
	W. L. Poterfield .....	do .....	49.08
	W. O. Langille .....	do .....	235.61
	C. A. McCue .....	do .....	58.78
	C. D. Mell .....	do .....	49.80
	H. B. Hadley .....	do .....	50.05
	H. W. Newman .....	do .....	81.50
26	R. L. Marston .....	do .....	209.84
	H. O. Stabler .....	do .....	171.50
	J. H. Bridges .....	do .....	110.93
	G. Alleman .....	do .....	114.50
	Z. L. Bliss .....	do .....	142.70
	H. O. Tunis .....	do .....	22.55
	F. A. Clarke .....	do .....	147.15
	H. M. Sutter .....	do .....	9.50
	H. & W. B. Drew Co .....	Typewriter desk .....	27.50
27	W. L. Hall .....	Traveling expenses, August .....	120.48
	do .....	Traveling expenses, September .....	113.80
	do .....	Traveling expenses, October .....	99.90
	W. R. Ayers .....	Traveling expenses .....	32.50
	H. D. Hartley .....	do .....	10.38
	J. W. Warren .....	do .....	104.45
	E. A. Braniff .....	do .....	152.30
	C. G. Crawford .....	do .....	14.95
	G. E. Tower .....	do .....	173.20
	Erker Bros. Optical Co .....	Photo. supplies .....	48.00
29	H. E. Burke .....	Traveling expenses .....	62.00
	H. D. Hartley .....	do .....	31.59
31	Pere Marquette R. R. Co .....	Passenger transportation .....	34.68
	Lehigh Valley R. R. Co .....	do .....	140.10



312 EXPENDITURES IN DEPARTMENT OF AGRICULTURE.

Expenditures of the Department of Agriculture for fiscal year ending June 30, 1904—Cont'd.

FORESTRY INVESTIGATIONS—Continued.

Date.	Name.	Nature of payment.	Total.
1903.			
Oct. 31	Baltimore and Ohio R. R. Co.....	Passenger transportation.....	\$246.89
	Santa Fe, Prescott and Phoenix Rwy. Co.....	do.....	8.20
	do.....	do.....	9.40
	Chicago, Milwaukee and St. Paul Rwy. Co.....	do.....	7.70
	The Pullman Co.....	do.....	16.50
	Chicago, St. Paul, Minneapolis and Omaha Rwy. Co.....	do.....	5.20
	Grand Trunk Rwy. Co.....	do.....	11.66
	Chicago and Northwestern Rwy. Co.....	do.....	41.25
	Cleveland, Cincinnati and St. Louis Rwy. Co.....	do.....	82.34
	The Lake Shore and Michigan Southern Rwy. Co.....	do.....	54.50
	The Oregon R. R. and Navigation Co.....	do.....	22.60
	do.....	do.....	31.05
	Denver and Rio Grande R. R. Co.....	do.....	71.60
	do.....	do.....	65.65
	New York, New Haven and Hartford R. R. Co.....	do.....	19.90
	New York Central and Hudson River R. R. Co.....	do.....	22.69
	Michigan Central R. R. Co.....	do.....	40.18
	do.....	do.....	3.59
	Burlington and Missouri River R. R. Co.....	do.....	107.50
	do.....	do.....	84.39
	Pennsylvania R. R. Co.....	do.....	23.77
	do.....	do.....	56.32
	Oregon Short Line R. R. Co.....	do.....	17.40
	do.....	do.....	14.15
	do.....	do.....	87.00
	Illinois Central R. R. Co.....	do.....	7.50
	St. Louis and San Francisco R. R. Co.....	do.....	8.30
	Great Northern R. R. Co.....	do.....	136.62
	Union Pacific R. R. Co.....	do.....	37.71
	The Atchison, Topeka and Santa Fe Rwy. Co.....	do.....	15.80
	Boston and Maine R. R. Co.....	do.....	13.48
	Northern Pacific Rwy. Co.....	do.....	27.30
	Seaboard Air Line Rwy. Co.....	do.....	4.24
	The Chicago, Burlington and Quincy R. R. Co.....	do.....	12.50
	Norfolk and Washington, D. C., Steamboat.....	do.....	4.00
	Georgia Southern and Florida Rwy. Co.....	do.....	4.35
	Maine Central R. R. Co.....	do.....	4.00
	Chicago, Indianapolis and Louisville Rwy. Co.....	do.....	8.00
	Baltimore, Chesapeake and Atlantic Rwy. Co.....	do.....	11.10
	Southern Rwy. Co.....	do.....	37.05
	do.....	do.....	23.00
	Boston and Maine R. R. Co.....	do.....	23.32
	Northern Pacific Rwy. Co.....	do.....	31.30
Nov. 2	G. B. Sudworth et al.....	Salaries.....	4,388.21
	E. A. Braniff.....	Services.....	84.20
	A. W. Cooper.....	do.....	84.20
	J. F. Clark.....	do.....	84.20
	S. B. Detwiler.....	do.....	84.20
	J. B. Anderson.....	do.....	84.20
	W. J. Gardner.....	do.....	84.20
	A. F. Hawes.....	do.....	84.20
	R. P. Imes.....	do.....	84.20
	T. P. Lukins.....	do.....	84.20
	J. G. Peters.....	do.....	84.20
	H. K. Porter.....	do.....	84.20
	W. D. Sterrett.....	do.....	84.20
	R. B. Wilson.....	do.....	84.20
	T. S. Woolsey, jr.....	do.....	84.20
	A. F. Potter.....	do.....	151.60
	W. A. Langille.....	do.....	151.60
	J. C. Gifford.....	do.....	151.60
	E. T. Allen.....	do.....	151.60
	T. H. Sherrard.....	do.....	168.50
	L. E. Hunt.....	do.....	168.50
	W. L. Hall.....	do.....	168.50
	H. von Schrenk.....	do.....	210.60
	E. S. Bruce.....	do.....	210.60
	C. S. Chapman.....	do.....	101.10
	E. M. Griffith.....	do.....	150.49
	C. S. Chapman.....	Traveling expenses.....	71.97
3	G. Alleman.....	Services.....	60.00
	R. B. Bartholomew.....	do.....	7.34
	W. Burbridge.....	do.....	16.30

Expenditures of the Department of Agriculture for fiscal year ending June 30, 1904—Cont'd.

## FORESTRY INVESTIGATIONS—Continued.

Date.	Name.	Nature of payment.	Total.
1903.			
Nov. 3	R. E. Benedict.....	Services.....	\$119.40
	M. W. Ely.....	do.....	26.90
	E. B. Foulks.....	do.....	39.13
	J. M. Fetherolf.....	do.....	22.17
	W. B. Greeley.....	do.....	.82
	R. C. Hawley.....	do.....	5.71
	C. H. Herty.....	do.....	189.55
	D. G. Kinney.....	do.....	11.41
	J. T. Moses.....	do.....	16.30
	A. H. Pearson.....	do.....	10.60
	R. V. R. Reynolds.....	do.....	36.52
	S. Tompkins.....	do.....	32.61
	P. G. Redington.....	do.....	2.45
	W. G. Weigle.....	do.....	2.45
	W. J. Ward.....	do.....	16.30
	A. C. Weed.....	do.....	7.34
	L. L. White.....	do.....	49.70
	E. E. Adams.....	do.....	25.30
	H. D. Allen.....	do.....	25.30
	P. W. Ayres.....	do.....	25.30
	R. H. Allen.....	do.....	25.30
	J. F. Bond.....	do.....	25.30
	B. E. Babcock.....	do.....	25.30
	E. E. Bogue.....	do.....	25.30
	T. Balfour.....	do.....	25.30
	J. E. Barton.....	do.....	25.30
	G. H. Cecil.....	do.....	25.30
	E. G. Cheyney.....	do.....	25.30
	G. S. Cleland.....	do.....	25.30
	C. W. Edgerton.....	do.....	25.30
	J. E. Gow.....	do.....	25.30
	H. M. Hale.....	do.....	25.30
	H. B. Holroyd.....	do.....	25.30
	C. D. Howe.....	do.....	25.30
	W. L. Jepson.....	do.....	25.30
	L. Krautter, jr.....	do.....	25.30
	C. A. Norton.....	do.....	25.30
	A. E. Oman.....	do.....	25.30
	A. S. Peck.....	do.....	25.30
	F. J. Phillips.....	do.....	25.30
	W. L. Porterfield.....	do.....	25.30
	M. Rothkugel.....	do.....	25.30
	D. Rodman.....	do.....	25.30
	J. H. Ramskill.....	do.....	25.30
	H. D. Scudder.....	do.....	25.30
	E. R. Secrest.....	do.....	25.30
	C. H. Sellers.....	do.....	25.30
	H. O. Tunis.....	do.....	25.30
	J. H. Toumey.....	do.....	25.30
	B. J. Teasdall.....	do.....	25.30
	G. J. Traugott.....	do.....	25.30
	E. A. Ziegler.....	do.....	25.30
	J. C. Blumer.....	do.....	40.40
	W. W. Cheever.....	do.....	40.40
	J. D. Guthrie.....	do.....	40.40
	W. B. Howard.....	do.....	40.40
	F. R. Miller.....	do.....	40.40
	T. G. Phillips.....	do.....	40.40
	H. A. Paul.....	do.....	40.40
	H. O. Stabler.....	do.....	40.40
	S. P. Woolfolk.....	do.....	40.40
	J. P. Wentling.....	do.....	40.40
	A. O. Waha.....	do.....	40.40
	H. E. Burke.....	do.....	50.50
	Z. L. Bliss.....	do.....	50.50
	T. F. Borst.....	do.....	50.50
	C. Barry.....	do.....	50.50
	W. T. Cox.....	do.....	50.50
	C. Feagan.....	do.....	50.50
	G. Griswold.....	do.....	50.50
	J. H. Hatton.....	do.....	50.50
	F. Klarpp.....	do.....	50.50
	J. E. Keach.....	do.....	50.50
	W. H. Mast.....	do.....	50.50
	C. O. Sparks.....	do.....	50.50
	C. M. Taylor.....	do.....	50.50
	G. E. Tower.....	do.....	50.50
	F. Tompkins.....	do.....	50.50
	A. E. Cohoon.....	do.....	60.60

Expenditures of the Department of Agriculture for fiscal year ending June 30, 1904—Cont'd.

## FORESTRY INVESTIGATIONS—Continued.

Date.	Name.	Nature of payment.	Total.
1903.			
Nov. 3	H. D. Hartley .....	Services .....	\$60.60
	W. I. Hutchinson .....	do .....	60.60
	M. C. Jensen .....	do .....	60.60
	R. S. Kellogg .....	do .....	60.60
	L. C. Miller .....	do .....	60.60
	E. J. S. Moore .....	do .....	60.60
	J. W. Riggs .....	do .....	60.60
	C. A. Scott .....	do .....	60.60
	J. W. Warren .....	do .....	60.60
	A. K. Chittenden .....	do .....	101.10
	G. E. Clement .....	do .....	101.10
	R. T. Fisher .....	do .....	101.10
	E. M. Hamilton .....	do .....	101.10
	W. C. Hodge, jr. ....	do .....	101.10
	F. W. Reed .....	do .....	101.10
	E. A. Sterling .....	do .....	101.10
	R. G. Zou .....	do .....	75.86
	S. Riley .....	do .....	75.80
	H. W. Newman .....	do .....	75.80
	W. R. McKinnon .....	do .....	75.80
	W. H. B. Kent .....	do .....	75.80
	R. G. Giffin .....	do .....	75.80
	G. Farley .....	do .....	75.80
	F. A. Clarke .....	do .....	75.80
4	E. G. Hunter .....	do .....	7.83
	E. J. Hodson .....	do .....	40.40
	C. DuBois .....	do .....	101.10
	E. A. Braniff .....	Traveling expenses .....	132.49
	H. Grinnell .....	do .....	67.40
	J. Woerner, jr. ....	Tires .....	8.00
5	Howard Laundry Co. .	Laundering towels .....	2.23
	H. J. Tompkins .....	Services .....	117.90
	E. T. Greene .....	do .....	29.35
	W. W. Everett .....	do .....	25.30
	R. D. Craig .....	do .....	25.30
	C. H. Herty .....	Traveling expenses .....	187.12
	T. F. Borst .....	do .....	92.73
	J. F. Bond .....	do .....	6.65
	J. C. Gifford .....	do .....	400.48
6	C. Du Bois .....	do .....	150.04
	A. O. Waha .....	do .....	2.29
7	G. L. Clothier .....	do .....	66.58
	W. B. Howard .....	do .....	97.32
9	W. F. Hubbard .....	do .....	70.70
	W. C. Martin .....	do .....	33.00
	W. R. Lazenby .....	Services .....	25.30
10	J. F. Bond .....	Traveling expenses .....	17.67
	do .....	do .....	19.11
	E. J. Hodson .....	do .....	43.25
11	G. E. Clement .....	do .....	167.58
13	A. D. Hopkins .....	do .....	109.96
	H. D. Burrall .....	do .....	20.10
	S. Riley .....	do .....	141.10
	do .....	do .....	44.95
	H. A. Smith .....	do .....	17.55
	do .....	Services .....	56.00
	Church & Stephenson .	Lumber .....	48.40
	Barber & Ross .....	Shears, etc. ....	12.60
	M. Du Perow .....	Electric supplies .....	37.43
	W. G. Johnston & Co. .	Ledgers and leaves .....	33.00
	R. P. Andrews & Co. (Incorporated)	Paste, etc. ....	14.23
	M. G. Copeland Co. .	Flags and repairs .....	12.63
	Lutz & Co. ....	Camera cases .....	7.50
	Herman Baumgarten .	Sign marker .....	5.50
	The J. C. Ergood Co. .	Soap .....	2.50
	The Maurice Joyce Engraving Co.	Dies .....	1.75
14	W. F. Hubbard .....	Traveling expenses .....	112.43
16	A. E. Cohoon .....	do .....	79.85
	W. F. Fiske .....	do .....	57.83
	do .....	do .....	119.01
	F. Tompkins .....	do .....	389.60
	C. H. Herty .....	do .....	240.55
	E. M. Griffith .....	do .....	198.60
	G. Alleman .....	do .....	156.14
	M. C. Jensen .....	do .....	67.77
17	W. H. B. Kent .....	do .....	150.11
	J. Appleton .....	do .....	92.13
	R. F. Nash .....	Services .....	17.93
	E. S. Bruce .....	Traveling expenses .....	221.79



Expenditures of the Department of Agriculture for fiscal year ending June 30, 1904—Cont'd.

## FORESTRY INVESTIGATIONS—Continued.

Date.	Name.	Nature of payment.	Total.
1903.			
Nov. 17	R. G. Giffin.....	Traveling expenses.....	\$165.50
	E. Koch.....	Services.....	84.20
	E. T. Greene.....	Traveling expenses.....	58.74
	F. E. Olmsted.....	.....do.....	147.60
18	C. A. McCue.....	.....do.....	94.41
	L. E. Hunt.....	.....do.....	81.05
	H. D. Aller.....	.....do.....	48.80
	B. E. Babcock.....	.....do.....	60.85
	C. L. Hill, administrator.....	.....do.....	80.47
	.....do.....	Services.....	78.29
	T. P. Lukins.....	Traveling expenses.....	635.85
	W. H. Mast.....	.....do.....	307.30
	W. J. Gardner.....	.....do.....	228.83
	S. B. Detwiler.....	.....do.....	212.45
	C. A. Scott.....	.....do.....	168.40
	E. J. S. Moore.....	.....do.....	107.38
	J. W. Warren.....	.....do.....	90.12
	A. W. Cooper.....	.....do.....	69.88
	S. Tompkins.....	.....do.....	55.80
	R. F. Fisher.....	.....do.....	55.19
	E. B. Fuls.....	.....do.....	46.70
	E. R. Secrest.....	.....do.....	44.53
	W. K. Hatt.....	.....do.....	38.40
	W. R. McKinnon.....	.....do.....	17.00
	J. E. Gow.....	.....do.....	12.20
	W. I. Ward.....	.....do.....	6.86
	W. Baxter.....	Services.....	78.75
	Henry Driml.....	.....do.....	45.50
	W. A. Hanmann.....	.....do.....	33.75
	I. N. Bovee.....	.....do.....	23.69
	Post-Office Department.....	Maps.....	8.00
	P. F. Little.....	Labor.....	114.75
19	J. W. Toumey.....	Traveling expenses.....	122.44
	R. E. Benedict.....	.....do.....	221.15
	J. H. Hatton.....	.....do.....	156.78
	Z. L. Bliss.....	.....do.....	85.19
	J. P. Wentling.....	.....do.....	43.52
	H. D. Scudder.....	.....do.....	25.40
	W. W. Cheever.....	.....do.....	21.80
	W. T. Cox.....	.....do.....	9.33
	G. S. Cleland.....	.....do.....	2.40
	T. S. Woolsey, jr.....	.....do.....	51.30
	Geo. Griswold.....	Services.....	24.46
20	G. B. Sudworth.....	Traveling expenses.....	437.58
	F. Thornton.....	Services.....	23.75
	Amberg File and Index Co.....	File case.....	90.40
	.....do.....	.....do.....	60.00
	W. J. Woods.....	Glue, etc.....	36.90
	J. W. Pawcett.....	Shades.....	3.55
	W. E. Stockett & Co.....	Portfolios.....	2.70
	Jno. Underwood & Co.....	Record ribbons.....	2.25
21	Thos. Balfour.....	Traveling expenses.....	242.15
	L. E. Hunt.....	.....do.....	119.85
	C. S. Chapman.....	.....do.....	111.60
	E. M. Griffith.....	.....do.....	82.10
	H. S. Graves.....	.....do.....	20.70
	H. J. Tompkins.....	.....do.....	16.90
	H. K. Porter.....	.....do.....	12.85
	Amos Shambaugh.....	Services.....	45.00
	The Chesapeake and Potomac Telephone Co.....	Telephone service.....	86.50
	Washington Gaslight Co.....	Gas.....	.20
	W. H. Rupp Co.....	Pen racks, etc.....	13.30
	.....do.....	Notebooks.....	1.50
	Woodruff Manufacturing Co.....	File case.....	45.00
	.....do.....	Card index case.....	13.00
	A. Driml.....	Hay.....	111.90
23	J. H. Bunnell & Co.....	Electric supplies.....	9.84
	C. P. Goerz.....	Field glasses.....	266.00
	Michael Johnson.....	Traveling expenses.....	25.90
	W. & L. E. Gurley.....	Wooden calipers, etc.....	63.00
24	H. A. Paul.....	Traveling expenses.....	94.05
	H. E. Burke.....	.....do.....	44.15
25	C. O. Sparks.....	.....do.....	38.00
	E. A. Ziegler.....	.....do.....	21.10
	A. S. Peck.....	.....do.....	12.15
	A. O. Waha.....	.....do.....	2.40
30	A. W. Cooper.....	Services.....	\$1.60
	J. G. Peters.....	.....do.....	\$1.60
	W. D. Sterrett.....	.....do.....	\$1.60

316 EXPENDITURES IN DEPARTMENT OF AGRICULTURE.

Expenditures of the Department of Agriculture for fiscal year ending June 30, 1904—Cont'd.

FORESTRY INVESTIGATIONS—Continued.

Date.	Name.	Nature of payment.	Total.
1903.			
Nov. 30	J. E. Keach.....	Services.....	\$49.00
	E. R. Hodson.....	do.....	39.20
	J. H. Ramskill.....	do.....	31.80
	J. F. Bond.....	do.....	24.40
	H. D. Burrall.....	do.....	24.40
	E. G. Cheyney.....	do.....	24.40
	G. H. Cecil.....	do.....	24.40
	A. H. Pierson.....	do.....	24.40
	B. J. Teasdale.....	do.....	24.40
	W. G. Durbin.....	do.....	15.65
	A. W. Cooper.....	Traveling expenses.....	61.90
	G. B. Sudworth et al.....	Salaries.....	4,391.78
Dec. 1	W. K. Hatt.....	Services.....	183.40
	C. H. Herty.....	do.....	183.00
	L. E. Hunt.....	do.....	163.00
	T. H. Sherrard.....	do.....	163.00
	E. T. Allen.....	do.....	146.80
	J. C. Gifford.....	do.....	146.80
	E. M. Griffith.....	do.....	146.80
	W. A. Langille.....	do.....	146.80
	A. F. Potter.....	do.....	146.80
	A. K. Chittenden.....	do.....	97.80
	C. S. Chapman.....	do.....	97.80
	G. E. Clement.....	do.....	97.80
	Coert Du Boise.....	do.....	97.80
	R. T. Fisher.....	do.....	97.80
	W. C. Hodge, jr.....	do.....	97.80
	Geo. E. Marshall.....	do.....	97.80
	F. W. Reed.....	do.....	97.80
	E. A. Sterling.....	do.....	97.80
	E. A. Braniff.....	do.....	81.60
	G. L. Clothier.....	do.....	81.60
	J. F. Clark.....	do.....	81.60
	W. J. Gardner.....	do.....	81.60
	A. F. Hawes.....	do.....	81.60
	Elers Koch.....	do.....	81.60
	T. P. Lukins.....	do.....	81.60
	L. C. Miller.....	do.....	81.60
	H. K. Porter.....	do.....	81.60
	T. S. Woolsey, jr.....	do.....	81.60
	Mark Burns.....	do.....	73.40
	F. A. Clarke.....	do.....	73.40
	M. W. Ely.....	do.....	73.40
	Geo. Farley.....	do.....	73.40
	R. G. Giffin.....	do.....	73.40
	W. H. B. Kent.....	do.....	73.40
	W. R. McKinnon.....	do.....	73.40
	Smith Riley.....	do.....	73.40
	R. G. Zon.....	do.....	73.40
	R. E. Benedict.....	do.....	58.80
	A. E. Cohoon.....	do.....	58.80
	E. B. Foulks.....	do.....	58.80
	H. D. Hartley.....	do.....	58.80
	W. I. Hutchinson.....	do.....	58.80
	M. C. Jensen.....	do.....	58.80
	R. S. Kellogg.....	do.....	58.80
	E. J. S. Moore.....	do.....	58.80
	J. W. Riggs.....	do.....	58.80
	C. A. Scott.....	do.....	58.80
	J. W. Warren.....	do.....	58.80
	Cornelius Barry.....	do.....	49.90
	T. F. Borst.....	do.....	49.90
	Z. L. Bliss.....	do.....	49.90
	H. G. Burke.....	do.....	49.90
	W. T. Cox.....	do.....	49.90
	C. Feagan.....	do.....	49.90
	E. T. Greene.....	do.....	49.90
	J. H. Hatton.....	do.....	49.90
	Frank Klarpp.....	do.....	49.90
	W. H. Mast.....	do.....	49.90
	C. O. Sparks.....	do.....	49.00
	Frank Tompkins.....	do.....	49.00
	Sidney Tompkins.....	do.....	49.00
	G. E. Tower.....	do.....	49.00
	J. C. Blumer.....	do.....	39.20
	J. D. Guthrie.....	do.....	39.20
	W. B. Howard.....	do.....	39.20
	F. R. Miller.....	do.....	39.20
	T. G. Phillips.....	do.....	39.20

Expenditures of the Department of Agriculture for fiscal year ending June 30, 1904—Cont'd.

## FORESTRY INVESTIGATIONS—Continued.

Date.	Name.	Nature of payment.	Total.
1903.			
Dec 1	H. A. Paul.....	Services.....	\$39.20
	S. P. Woolfolk.....	do.....	39.20
	A. O. Waha.....	do.....	39.20
	J. P. Wentling.....	do.....	39.20
	H. D. Scudder.....	do.....	31.80
	E. A. Ziegler.....	do.....	31.80
	P. W. Ayres.....	do.....	24.40
	R. H. Allen.....	do.....	24.40
	H. D. Aller.....	do.....	24.40
	E. E. Adams.....	do.....	24.40
	W. Burbridge.....	do.....	24.40
	E. E. Bogue.....	do.....	24.40
	B. E. Babcock.....	do.....	24.40
	Thos. Balfour.....	do.....	24.40
	G. S. Cleland.....	do.....	24.40
	C. W. Edgerton.....	do.....	24.40
	W. W. Evertt.....	do.....	24.40
	H. M. Hale.....	do.....	24.40
	C. D. Howe.....	do.....	24.40
	W. L. Jepson.....	do.....	24.40
	Louis Krautter, jr.....	do.....	24.40
	C. A. Norton.....	do.....	24.40
	F. J. Phillips.....	do.....	24.40
	A. S. Peck.....	do.....	24.40
	W. L. Porterfield.....	do.....	24.40
	Max Rothkugel.....	do.....	24.40
	C. H. Sellers.....	do.....	24.40
	E. R. Secrist.....	do.....	24.40
	H. O. Tunis.....	do.....	24.40
	J. W. Toumey.....	do.....	24.40
	W. J. Ward.....	do.....	24.40
	L. L. White.....	do.....	24.40
	G. Alleman.....	do.....	60.00
	E. S. Bruce.....	do.....	208.80
	W. W. Cheever.....	do.....	26.09
	S. B. Detwiler.....	do.....	54.55
	H. J. Holsinger.....	do.....	298.40
	Michael Johnson.....	do.....	30.98
	H. J. Tompkins.....	do.....	114.20
	R. B. Wilson.....	do.....	51.63
	Z. D. Gilman.....	Chemicals.....	43.52
	Woodward & Lothrop.....	Desks, etc.....	205.77
	Remington Typewriter Co.....	Typewriter, etc.....	113.25
	District of Columbia Paper Manufacturing Co.....	Blotting paper.....	7.74
	Rudolph, West & Co.....	Sand paper, etc.....	7.19
	J. B. Lambie Co.....	Leather belting, etc.....	22.19
	National Electric Supply Co.....	Electric supplies.....	2.40
	Delano & Moore.....	Photo supplies.....	139.44
	Francis Miller.....	Oil, etc.....	9.55
	Lamb & Tilden.....	Bronzing ink.....	1.50
	do.....	Numbering machine.....	13.12
	do.....	Repairs to machine.....	.75
	W. J. Zeh.....	Coal.....	12.50
	M. Du Perow.....	Electric supplies.....	15.56
	do.....	do.....	13.44
	do.....	do.....	6.25
	Hugh Reilly.....	Shellac, etc.....	5.30
	do.....	Varnish stain.....	.48
2	Holmes & Co.....	Rubber gloves.....	3.75
	W. E. Stockett & Co.....	Fasteners.....	2.20
	J. G. Smith.....	Penholders.....	4.68
	D. E. Burton.....	Ax handles.....	9.60
	Lutz & Co.....	Camera case, etc.....	7.00
	Jas. Nicholson & Sons.....	Canvas.....	8.00
	W. & L. E. Gurley.....	Compass.....	3.50
	Keuffel & Esser.....	Calipers, etc.....	18.87
	Manhattan Electric Supply Co.....	Insulators.....	.14
	Cox Seed Co.....	Seeds.....	4.75
	J. H. Bunnell & Co.....	Electric supplies.....	2.40
	M. G. Copeland Co.....	Tarpaulin.....	3.75
	R. P. Andrews & Co. (Incorporated).....	Clips.....	7.99
	D. Richenbacher.....	Repairs to clock.....	2.00
	Wm. Brown.....	Labor.....	2.00
	Geo. E. Corbett.....	Photo glass.....	8.75
3	J. R. Collins.....	Bags.....	4.00
4	H. B. Kempton.....	Traveling expenses.....	282.05
	Alfred Gaskill.....	do.....	339.70
	A. E. Cohoon.....	do.....	69.75
	do.....	do.....	83.10



*Expenditures of the Department of Agriculture for fiscal year ending June 30, 1904—Cont'd.*

## FORESTRY INVESTIGATIONS—Continued.

Date.	Name.	Nature of payment.	Total.
1903.			
Dec. 4	C. Feagan . . . . .	Traveling expenses . . . . .	\$72.75
	E. T. Allen . . . . .	do . . . . .	13.85
	E. S. Bruce . . . . .	do . . . . .	69.07
	R. G. Giffin . . . . .	do . . . . .	23.50
	E. T. Greene . . . . .	do . . . . .	74.06
	W. B. Howard . . . . .	do . . . . .	116.24
	Elers Koch . . . . .	do . . . . .	70.20
	A. F. Potter . . . . .	do . . . . .	95.00
	W. L. Porterfield . . . . .	do . . . . .	23.37
	R. G. Zon . . . . .	do . . . . .	11.14
	H. B. Halroyd . . . . .	Service . . . . .	24.40
	Douglas Rodman . . . . .	do . . . . .	24.40
	G. J. Tangott . . . . .	do . . . . .	24.40
5	J. E. Burton . . . . .	do . . . . .	24.40
	J. E. Gow . . . . .	do . . . . .	24.40
	W. R. Lozenby . . . . .	do . . . . .	24.40
	W. C. Martin . . . . .	do . . . . .	24.00
	Blanche Newman . . . . .	do . . . . .	1.63
	H. von Schrenk . . . . .	do . . . . .	203.80
	W. H. B. Kent . . . . .	Traveling expenses . . . . .	180.22
	F. L. Nichols . . . . .	Machine, etc . . . . .	216.50
	S. Kann Sons & Co . . . . .	Cloths . . . . .	9.30
	R. B. Merchant, Post-Office Department . . . . .	Maps . . . . .	3.20
7	G. E. Marshall . . . . .	Traveling expenses . . . . .	229.03
8	J. W. Riggs . . . . .	do . . . . .	37.02
	R. S. Hosmer . . . . .	do . . . . .	109.25
	J. W. Warren . . . . .	do . . . . .	92.73
	R. T. Fisher . . . . .	do . . . . .	77.30
	G. L. Clothier . . . . .	do . . . . .	70.59
	H. O. Tunis . . . . .	do . . . . .	26.95
	Z. L. Bliss . . . . .	do . . . . .	19.33
	Atlantic Coast Line R. R. Co . . . . .	Passenger transportation . . . . .	30.45
	Southern Rwy. Co . . . . .	do . . . . .	106.20
	do . . . . .	do . . . . .	27.25
	do . . . . .	do . . . . .	113.65
	do . . . . .	do . . . . .	22.20
	do . . . . .	do . . . . .	21.65
	California Northwestern Rwy. Co . . . . .	do . . . . .	22.00
	Astoria and Colorado River R. R. Co . . . . .	do . . . . .	9.60
	Atlantic, Knoxville and Northern Rwy. Co . . . . .	do . . . . .	6.75
	Southern California Rwy. Co . . . . .	do . . . . .	71.80
10	H. S. Davis . . . . .	Machines . . . . .	265.50
	R. P. Imes . . . . .	Services . . . . .	81.60
	H. A. Smith . . . . .	do . . . . .	63.00
	J. K. Bishop . . . . .	Dises . . . . .	27.54
	Wm. Brown . . . . .	Hauling . . . . .	2.00
	The J. C. Ergood Co . . . . .	Lye, etc . . . . .	5.35
	Howard Laundry Co . . . . .	Laundering towels . . . . .	2.97
	Francis Miller . . . . .	Turpentine . . . . .	1.10
	J. C. Parker . . . . .	Paper, etc . . . . .	91.66
	D. F. Parker . . . . .	do . . . . .	9.60
11	W. B. Moses & Sons . . . . .	Typewriter chairs . . . . .	97.48
	E. Morrison Paper Co . . . . .	Paper . . . . .	32.00
	The G. W. Knox Express Co . . . . .	Transportation . . . . .	24.95
	do . . . . .	do . . . . .	7.86
	do . . . . .	do . . . . .	6.18
	United States Express Co . . . . .	do . . . . .	82.65
	do . . . . .	do . . . . .	36.72
	do . . . . .	do . . . . .	22.18
	R. C. Ballantyne . . . . .	Pens . . . . .	21.65
12	G. E. Clement . . . . .	Traveling expenses . . . . .	50.40
	S. B. Detwiler . . . . .	do . . . . .	179.94
	C. W. Edgerton . . . . .	do . . . . .	48.00
	Alfred Gaskill . . . . .	do . . . . .	157.85
	E. T. Greene . . . . .	do . . . . .	7.50
	C. D. Howe . . . . .	do . . . . .	4.10
	A. F. Hawes . . . . .	do . . . . .	60.96
	H. B. Holroyd . . . . .	do . . . . .	24.45
	C. H. Herty . . . . .	do . . . . .	158.69
	J. H. Hutton . . . . .	do . . . . .	74.15
	do . . . . .	do . . . . .	33.55
	M. C. Jensen . . . . .	do . . . . .	61.50
	E. J. S. Moore . . . . .	do . . . . .	7.89
	Gifford Pinchot . . . . .	do . . . . .	1,030.19
	H. A. Smith . . . . .	do . . . . .	20.70
	Frank Tompkins . . . . .	do . . . . .	280.00
	Sidney Tompkins . . . . .	do . . . . .	80.55
	A. O. Waha . . . . .	do . . . . .	2.88
14	J. C. Gifford . . . . .	do . . . . .	13.50

Expenditures of the Department of Agriculture for fiscal year ending June 30, 1904—Cont'd.

## FORESTRY INVESTIGATIONS—Continued.

Date.	Name.	Nature of payment.	Total.
1903, Dec. 14	W. A. Langille.	Traveling expenses.	\$34.75
	American Woodworking Machine Co.	Saw.	4.88
	Emil Estenson.	Cones.	38.40
	Woodward & Lothrop.	Soap, etc.	167.41
	A. C. Rowe.	Fire extinguishers.	96.00
	Archie Ayers.	Services.	22.50
	I. N. Bovee.	do.	35.00
	Henry Driml.	do.	36.80
	Anton Driml.	do.	26.40
15	W. A. Langille.	Traveling expenses.	80.75
	C. A. Scott.	do.	139.76
	J. C. Blumer.	do.	43.05
	T. P. Lukins.	do.	479.82
17	W. K. Hatt.	do.	88.94
	A. E. Oman.	Services.	24.40
	R. D. Craig.	do.	31.80
	Delano & Moore.	Cramer banner plates.	56.66
	Eberhard Faber.	Rulers.	23.50
18	The Atchison, Topeka and Santa Fe Rwy. Co.	Passenger transportation.	40.30
	Chicago, St. Paul, Minneapolis and Omaha Rwy. Co.	do.	18.62
	Chicago, Milwaukee and St. Paul Rwy. Co.	do.	18.28
	Chicago Great Western Rwy. Co.	do.	8.00
	Central Vermont Rwy. Co.	do.	14.14
	Louisville and Nashville R. R. Co.	do.	9.16
	Pittsburg, Cincinnati, Chicago and St. Louis Rwy. Co.	do.	19.50
	Missouri, Kansas and Texas Rwy. Co.	do.	8.95
	Northern Pacific Rwy. Co.	do.	119.29
	Central of Georgia Rwy. Co.	do.	6.14
	California Northwestern R. R. Co.	do.	11.00
	North Shore R. R. Co.	do.	2.30
	Cincinnati, New Orleans and Texas Pacific Rwy. Co.	do.	5.70
	Intercolonial Rwy. Co.	do.	5.40
	Duluth and Iron Range R. R. Co.	do.	10.50
	The Chesapeake and Ohio R. R. Co.	do.	60.95
	Nashville, Chattanooga and St. Louis Rwy. Co.	do.	9.80
	Oregon Short Line R. R. Co.	do.	73.15
	Cleveland, Cincinnati, Chicago and St. Louis Rwy. Co.	do.	27.40
	Seaboard Air Line Rwy. Co.	do.	6.25
	Southern California Rwy. Co.	do.	41.70
	Illinois Central R. R. Co.	do.	10.35
	Michigan Central R. R. Co.	do.	136.36
	The Missouri Pacific Rwy. Co.	do.	7.50
	New York Central and Hudson River R. R. Co.	do.	50.49
	The Wabash R. R. Co.	do.	23.50
	Atlantic Coast Line R. R. Co.	do.	28.85
	do.	do.	51.30
	Baltimore and Ohio R. R. Co.	do.	19.50
	do.	do.	62.16
	Burlington and Missouri River R. R. Co.	do.	138.30
	do.	do.	168.35
	Chicago and Northwestern Rwy. Co.	do.	86.80
	do.	do.	8.00
	The Chicago, Burlington and Quincy Rwy. Co.	do.	32.44
	do.	do.	6.45
	do.	do.	7.50
	The Colorado and Southern Rwy. Co.	do.	11.00
	do.	do.	26.30
	Denver and Rio Grande R. R. Co.	do.	109.60
	do.	do.	46.30
	The Oregon R. R. and Navigation Co.	do.	182.30
	do.	do.	8.60
	Great Northern Rwy. Co.	do.	44.64
	do.	do.	54.52
	Pennsylvania R. R. Co.	do.	9.00
	do.	do.	69.99
	do.	do.	38.07
	do.	do.	48.83
	do.	do.	43.00
	The Pullman Co.	do.	37.00
	do.	do.	69.50
	Southern R. R. Co.	do.	17.50
	do.	do.	15.00
	do.	do.	77.10

Expenditures of the Department of Agriculture for fiscal year ending June 30, 1904—Cont'd.

FORESTRY INVESTIGATIONS—Continued.

Date.	Name.	Nature of payment.	Total.
1903. Dec. 19	W. J. Gardner	Traveling expenses	\$115.15
	C. Feagan	do	77.55
	G. Alleman	do	117.70
	C. O. Sparks	do	69.11
	J. C. Clark	do	129.03
	R. E. Benedict	do	111.50
	J. W. Toumey	do	55.42
	H. A. Paul	do	62.55
	H. E. Burke	do	27.55
	do	do	44.00
	Erker Bros. Optical Co.	Photo supplies	41.15
	Church & Stephenson	Lumber	73.80
21	R. P. Clarke Co.	Towels	23.40
	J. Ross Collins	Bags	7.50
	Georgia Southern and Florida Rwy. Co.	Passenger transportation	4.85
	Missouri, Kansas and Texas R. R. Co.	do	4.58
22	Rufus B. Merchant	Maps	3.20
	L. E. Hunt	Traveling expenses	128.55
	E. B. Fuls	do	107.76
	S. J. Holsinger	do	77.15
	T. H. Sherrard	do	174.87
	E. T. Allen	do	116.41
	Heisig & Novill (Incorporated)	Supplies	169.92
26	E. M. Hamilton	Service	97.80
28	A. K. Chittenden	Traveling expenses	52.15
	J. B. Anderson	Services	81.60
	Adams Express Co.	Transportation	65.50
	do	do	16.85
	do	do	72.58
	Union Pacific R. R. Co.	Passenger transportation	43.90
29	P. A. Clarke	Traveling expenses	46.65
	R. P. Imes	do	42.35
	A. W. Cooper	do	74.00
	A. E. Oman	do	21.00
31	H. O. Tunis	Services	25.30
	G. B. Sudworth et al.	Salaries	4,989.05
	Total second quarter		75,848.64
1904. Jan. 2	R. B. Wilson	Traveling expenses	21.50
	W. K. Hatt	Services	189.55
	W. C. Hodge, jr.	do	101.10
	R. G. Zou	do	75.80
4	M. Rothkrugel	do	33.10
	H. S. Allen	do	25.30
	E. E. Adams	do	25.30
	P. W. Ayres	do	25.30
	R. H. Allen	do	25.30
	T. Balfour	do	25.30
	J. E. Barton	do	25.30
	B. E. Babcock	do	25.30
	E. E. Bogue	do	25.30
	H. D. Burrall	do	25.30
	W. Burbridge	do	25.30
	E. G. Cheyney	do	25.30
	G. H. Cecil	do	25.30
	C. W. Edgerton	do	25.30
	W. W. Everett	do	25.30
	J. E. Gow	do	25.30
	H. M. Hale	do	25.30
	C. D. Howe	do	25.30
	W. L. Jepson	do	25.30
	L. Krautter, jr.	do	25.30
	W. R. Lazenby	do	25.30
	C. A. Norton	do	25.30
	A. E. Oman	do	25.30
	W. L. Porterfield	do	25.30
	A. H. Pierson	do	25.30
	D. Rodman	do	25.30
	E. R. Secrest	do	25.30
	C. H. Sellers	do	25.30
	B. J. Teasdale	do	25.30
	J. W. Toumey	do	25.30
	G. J. Traugott	do	25.30
	W. J. Ward	do	25.30
	L. L. White	do	25.30
	J. C. Blumer	do	40.40
	J. F. Bond	do	40.40
	R. D. Craig	do	40.40



Expenditures of the Department of Agriculture for fiscal year ending June 30, 1904—Cont'd.

## FORESTRY INVESTIGATIONS—Continued.

Date.	Name.	Nature of payment.	Total.
1904.			
Jan. 4	J. S. Guthrie.....	Services.....	\$40.40
	E. R. Hodson.....	do.....	40.40
	W. B. Howard.....	do.....	40.40
	H. A. Paul.....	do.....	40.40
	J. H. Ramskill.....	do.....	40.40
	H. D. Scudder.....	do.....	40.40
	J. P. Wentling.....	do.....	40.40
	A. O. Waha.....	do.....	40.40
	E. A. Ziegler.....	do.....	40.40
	T. F. Borst.....	do.....	50.50
	C. Barry.....	do.....	50.50
	C. Feagan.....	do.....	50.50
	E. T. Greene.....	do.....	50.50
	M. Johnson.....	do.....	50.50
	F. Klarpp.....	do.....	50.50
	J. E. Keach.....	do.....	50.50
	W. H. Mast.....	do.....	50.50
	G. E. Tower.....	do.....	50.50
	S. Tompkins.....	do.....	50.50
	G. Alleman.....	do.....	60.60
	A. E. Cohoon.....	do.....	60.60
	W. G. Durbin.....	do.....	60.60
	E. B. Fulks.....	do.....	60.60
	M. C. Jensen.....	do.....	60.60
	W. J. Hutchinson.....	do.....	60.60
	H. D. Hartley.....	do.....	60.60
	R. S. Kellogg.....	do.....	60.60
	C. A. Scott.....	do.....	60.60
	J. W. Warren.....	do.....	60.60
	M. Burns.....	do.....	75.80
	F. A. Clarke.....	do.....	75.80
	M. W. Ely.....	do.....	75.80
	G. Farley.....	do.....	75.80
	W. R. McKinnon.....	do.....	75.80
	S. Riley.....	do.....	75.80
	J. B. Anderson.....	do.....	84.20
	E. A. Braniff.....	do.....	84.20
	A. W. Cooper.....	do.....	84.20
	G. L. Clothier.....	do.....	84.20
	J. F. Clark.....	do.....	84.20
	W. B. Gardner.....	do.....	84.20
	A. F. Hawes.....	do.....	84.20
	R. P. Imes.....	do.....	84.20
	E. Koch.....	do.....	84.20
	T. P. Lukens.....	do.....	84.20
	L. E. Miller.....	do.....	84.20
	H. K. Porter.....	do.....	84.20
	J. G. Peters.....	do.....	84.20
	W. D. Sterrett.....	do.....	84.20
	T. S. Woolsey, jr.....	do.....	84.20
	A. K. Chittenden.....	do.....	101.10
	C. S. Chapman.....	do.....	101.10
	Geo. E. Clement.....	do.....	101.10
	C. Du Bois.....	do.....	101.10
	R. T. Fisher.....	do.....	101.10
	G. E. Marshall.....	do.....	101.10
	E. A. Sterling.....	do.....	101.10
	E. T. Allen.....	do.....	151.60
	E. M. Griffith.....	do.....	151.60
	W. A. Langille.....	do.....	151.60
	A. F. Potter.....	do.....	151.60
	E. S. Bruce.....	do.....	210.60
	H. von Schrenk.....	do.....	210.60
	F. M. Patton.....	do.....	26.12
	D. Skeels.....	do.....	26.12
	J. L. Bliss.....	do.....	30.98
	S. N. Spring.....	do.....	38.04
	H. A. Tompkins.....	do.....	117.90
	L. E. Hunt.....	do.....	168.50
	T. H. Sherrard.....	do.....	168.50
	C. H. Herty.....	do.....	189.55
	J. Foley.....	do.....	38.20
	G. B. Sudworth.....	Traveling expenses.....	184.44
	A. E. Oman.....	do.....	2.85
5	H. D. Aller.....	do.....	11.80
	W. T. Cox.....	do.....	11.51
	W. B. Howard.....	do.....	97.25
	Henry Driml.....	do.....	24.00
6	J. R. Wier.....	Services.....	25.30

322 EXPENDITURES IN DEPARTMENT OF AGRICULTURE.

Expenditures of the Department of Agriculture for fiscal year ending June 30, 1904—Cont'd.

FORESTRY INVESTIGATIONS—Continued.

Date.	Name.	Nature of payment.	Total.
1904. Jan. 6	F. J. Phillips	Services	\$25.30
	A. S. Peck	do.	25.30
	G. S. Cleland	do.	25.30
	T. G. Phillips	do.	40.40
	F. Tompkins	do.	50.50
	J. W. Riggs	do.	60.60
	R. E. Benedict	do.	60.60
	R. G. Griffin	do.	75.80
	E. M. Hamilton	do.	101.10
	S. J. Holsinger	do.	151.60
	J. R. Wier	do.	15.49
	W. C. Hodge, jr.	Traveling expenses	23.50
	T. A. Casey	Services	26.12
	J. P. Wentling	Traveling expenses	61.63
7	H. Grinnell	do.	13.50
	W. L. Porterfield	do.	20.01
	E. T. Greene	do.	91.76
	Wm. H. Dyer	Wire molding	16.20
	The Maurice Joyce Engraving Co.	Die	2.50
	Geo. F. Muth & Co.	Glass, etc.	489.01
	Harvard Laundry Co.	Laundering	4.20
8	J. C. Rau	Button gaslight keys	3.50
	J. W. Fawcett	Shades	23.50
	Lamb & Tilden	Daters, etc.	7.10
	The J. C. Ergood Co.	Starch	1.80
	National Electric Supply Co.	Supplies	8.40
9	F. R. Miller	Services	26.09
	T. P. Lukens	Traveling expenses	.40
12	Densmore Typewriter Co.	Repairs	8.10
	R. Carter Ballantyne	Baskets	15.95
	E. Morrison Paper Co.	Envelopes	61.07
	Rudolph, West & Co.	Iron tanks, etc.	120.65
	Giddings & Steele	Rugs	18.60
	Mackall Bros.	Toilet soap, etc.	40.28
	The Maurice Joyce Engraving Co.	Die	7.50
	M. G. Copeland & Co.	Tarpaulin	4.50
	M. Du Perow	Supplies	19.86
	W. B. Moses & Sons	Matting, etc.	45.35
	Fred. S. Gidmer	Brackets	12.00
	Richd. Gasch	Repairing locks	5.00
14	Library Bureau	Desks, etc.	120.18
	Queen & Co. (Incorporated)	Photo material	7.20
	Yawman & Erbe Manufacturing Co.	Index cabinet	129.50
	W. & L. E. Gurley	Compass	51.00
	W. H. B. Kent	Services	75.80
	F. W. Reed	do.	101.10
	C. O. Sparks	do.	50.50
	H. A. Smith	do.	70.00
	W. C. Martin	do.	7.50
	C. H. Farnum	do.	27.75
	J. S. Baird	do.	46.20
	H. B. Kempton	Traveling expenses	215.35
	J. E. Gow	do.	28.70
	W. H. Mast	do.	61.25
	W. H. B. Kent	do.	324.35
	A. S. Peck	do.	26.25
	G. Alleman	do.	108.73
	E. B. Fulks	do.	97.42
	J. G. Peters	do.	94.03
	S. J. Holsinger	do.	182.00
	J. L. Webb	Services	1.63
	W. K. Hatt	Traveling expenses	122.73
	J. W. Riggs	do.	68.48
	C. H. Herty	do.	242.85
	C. A. Scott	do.	192.61
	T. P. Lukens	do.	190.73
	G. L. Clothier	do.	72.72
	H. A. Paul	do.	92.95
	H. T. Hartley	do.	35.25
	G. E. Clement	do.	88.90
	T. H. Sherrard	do.	35.75
	H. H. Chapman	do.	13.10
	G. F. Farley	do.	8.50
	R. G. Giffin	do.	18.50
	J. W. Warren	do.	144.73
	W. H. B. Kent	do.	33.00
	A. D. Hopkins	do.	24.25
	W. W. Cheever	do.	14.84
	J. B. Anderson	do.	17.00

Expenditures of the Department of Agriculture for fiscal year ending June 30, 1904—Cont'd.

## FORESTRY INVESTIGATIONS—Continued.

Date.	Name.	Nature of payment.	Total.
1904.			
Jan. 14	C. S. Chapman	Traveling expenses	\$316.05
	J. C. Blumer	do.	6.95
	J. B. Anderson	do.	50.70
	F. Tompkins	do.	49.45
	E. A. Braniff	do.	154.29
	J. F. Clark	do.	26.17
	C. Feagan	do.	49.40
	M. Burns	do.	9.00
	E. S. Bruce	do.	49.61
	W. R. McKinnon	do.	19.00
	J. S. Baird	do.	29.21
	I. N. Bovee	Services	35.00
	Keuffel & Esser Co.	Map	2.15
	W. G. Johnston & Co.	Ledger leaves	20.25
	Jno. Underwood & Co.	Carbon paper	22.56
	Wolf Bros.	Cases	43.60
	W. P. Turner	Apparatus	14.00
	Holbrook, Merrill & Stetson	Drying oven	75.00
16	A. Ackerman	Services	32.50
	R. L. Marston	do.	45.50
	C. S. Chapman	Traveling expenses	427.85
	F. W. Reed	do.	10.90
	H. A. Smith	do.	23.45
	G. E. Marshall	do.	209.64
	R. P. Imes	do.	67.05
	R. F. Fisher	do.	64.47
18	M. C. Jensen	do.	58.84
	W. R. Lazenby	do.	12.85
	R. L. Marston	do.	70.25
	T. S. Woolsey, jr.	do.	14.35
	Eastman Kodak Co.	Photo supplies	73.88
	Chas. R. Edmonston	Drinking glasses	2.20
19	S. P. Woolfolk	Services	40.40
20	C. S. Chapman	Traveling expenses	152.47
	G. E. Tower	do.	29.90
	F. Tompkins	do.	65.38
25	W. H. B. Kent	do.	272.17
	R. E. Benedict	do.	84.75
	The Colorado and Southern Rwy. Co.	Passenger transportation	17.70
	Union Pacific R. R. Co.	do.	85.00
	do.	do.	64.54
	Northern Pacific Rwy. Co.	do.	107.70
	do.	do.	147.59
	do.	do.	11.50
	New York, New Haven and Hartford R. R. Co.	do.	5.00
	do.	do.	8.00
	Pittsburgh, Cincinnati, Chicago and St. Louis Rwy. Co.	do.	12.00
	Oregon Short Line R. R. Co.	do.	60.00
	do.	do.	48.35
	do.	do.	35.15
	do.	do.	14.85
	Illinois Central R. R. Co.	do.	7.50
	Atlantic Coast Line R. R. Co.	do.	27.70
	do.	do.	28.40
	Texas and Pacific Rwy. Co.	do.	16.80
	Pennsylvania Co.	do.	5.40
	do.	do.	35.00
	Maine Central R. R. Co.	do.	3.75
	Denver and Rio Grande R. R. Co.	do.	30.00
	do.	do.	135.65
	The Wabash R. R. Co.	do.	23.50
	Washington Southern Rwy. Co.	do.	11.30
	Southern Rwy. Co.	do.	450.20
	The Atchison, Topeka and Santa Fe R. R. Co.	do.	5.90
	Burlington and Missouri River R. R.	do.	111.45
	Baltimore and Ohio R. R. Co.	do.	28.60
	Norfolk and Western Rwy. Co.	do.	10.90
	do.	do.	7.85
	New York Central and Hudson River R. R. Co.	do.	20.35
	Southern California Rwy. Co.	do.	155.50
	The Pecos Valley North Eastern Rwy. Co.	do.	3.15
	Minneapolis, St. Paul and Sault Ste. Marie Rwy. Co.	do.	4.60
	Brunswick and Birmingham R. R. Co.	do.	4.40
	The Colorado Midland Rwy. Co.	do.	39.30
	Bangor and Aroostook R. R. Co.	do.	7.80



Expenditures of the Department of Agriculture for fiscal year ending June 30, 1904—Cont'd.

FORESTRY INVESTIGATIONS—Continued.

Date.	Name.	Nature of payment.	Total.
1904.			
Jan. 25	Lehigh Valley R. R. Co.	Passenger transportation	\$11. 85
	Erie R. R. Co.	do.	9. 00
	Gulf and Ship Island R. R. Co.	do.	3. 50
	Seaboard Air Line Rwy.	do.	22. 20
	Great Northern Rwy. Co.	do.	65. 37
	Boston and Maine R. R. Co.	do.	13. 85
	Pennsylvania R. R. Co.	do.	61. 65
	Delano & Moore	Photo supplies	62. 95
	Jacquot & Son	Oats	44. 70
	S. Tompkins	Traveling expenses	402. 30
	C. H. Farnum	do.	19. 11
	H. O. Tunis	do.	19. 28
	D. Rodman	do.	22. 05
	R. S. Kellogg	do.	40. 54
	C. G. Crawford	do.	11. 56
	L. E. Hunt	do.	78. 35
	S. N. Spring	do.	30. 05
	O. W. Price	do.	29. 40
	Francis Miller	Glass	1. 07
	Potomac Electric Power Co.	Current	. 37
	Jewett & Son	Maps	12. 00
	H. S. Graves	Traveling expenses	14. 00
	Barber & Ross	Granite-iron basins, etc	41. 32
	J. Baumgarten & Sons	Daters	10. 80
	Geo. F. Wuth & Co.	Materials for painting	25. 64
	Z. D. Gilman	Photo supplies	4. 95
	Clark & Davenport	Linoleum	36. 96
	C. Schneider Sons	Keys, etc	8. 55
	Jno. C. Rau	Wire	6. 90
	Capital Traction Co.	Car tickets	10. 00
	S. P. Johnson	Repairs to typewriters	2. 65
	Wm. H. Rupp Co.	Waste baskets	2. 89
	Geo. E. Corlett	Photo glass	26. 25
	Chas. R. Edmonston	Slop jars	7. 60
	Herman Baumgarten	Ink pad, etc.	1. 45
	The J. C. Ergood Co.	Pearline	1. 44
	Jas. B. Lambie (Incorporated)	Door spring, etc.	7. 56
	Wm. Brown	Labor	2. 00
	G. B. Sudworth et al.	Salaries	5, 607. 15
	P. W. Ayers	Services	25. 50
	R. H. Allen	do.	25. 50
	E. E. Adams	do.	25. 50
	E. E. Bogue	do.	25. 50
	W. Burbridge	do.	25. 50
	B. E. Babcock	do.	25. 50
	T. Balfour	do.	25. 50
	J. E. Barton	do.	25. 50
	T. A. Casey	do.	25. 50
	G. H. Cecil	do.	25. 50
	E. G. Cheyney	do.	25. 50
	G. S. Cleland	do.	25. 50
	C. W. Edgerton	do.	25. 50
	R. T. Fisher	do.	25. 50
	J. E. Gow	do.	25. 50
	H. M. Hale	do.	25. 50
	C. D. Howe	do.	25. 50
	L. Krautter, jr.	do.	25. 50
	C. A. Norton	do.	25. 50
	A. E. Oman	do.	25. 50
	F. L. Pray	do.	25. 50
	A. H. Pierson	do.	25. 50
	F. J. Phillips	do.	25. 50
	A. S. Peck	do.	25. 50
	F. M. Patton	do.	25. 50
	J. H. Ramskell	do.	25. 50
	E. R. Secret	do.	25. 50
	C. H. Sellers	do.	25. 50
	D. S. Reels	do.	25. 50
	G. J. Trangott	do.	25. 50
	B. J. Teasdale	do.	25. 50
	J. R. Weir	do.	25. 50
	L. L. White	do.	25. 50
	W. J. Ward	do.	25. 50
	J. C. Blumer	do.	40. 90
	R. D. Craige	do.	40. 90
	J. D. Guthrie	do.	40. 90
	W. B. Howard	do.	40. 90
	E. R. Hodson	do.	40. 90
	W. L. Porterfield	do.	40. 90

Expenditures of the Department of Agriculture for fiscal year ending June 30, 1904—Cont'd.

## FORESTRY INVESTIGATIONS—Continued.

Date.	Name.	Nature of payment.	Total.
1904.			
Feb. 1	T. G. Phillips	Services	\$10.90
	H. A. Paul	do	40.90
	H. D. Scudder	do	40.90
	H. O. Tunis	do	40.90
	A. O. Waha	do	40.90
	S. P. Woolfork	do	40.90
	J. P. Wentling	do	40.90
	J. E. A. Ziegler	do	40.90
	C. Barry	do	51.10
	T. F. Borst	do	51.10
	C. Feagan	do	51.10
	E. T. Greene	do	51.10
	M. Johnson	do	51.10
	J. E. Keach	do	51.10
	F. Klarpp	do	51.10
	W. H. Mast	do	51.10
	C. O. Sparks	do	51.10
	G. E. Tower	do	51.10
	S. Tompkins	do	51.10
	R. E. Benedict	do	61.30
	A. E. Cohoon	do	61.30
	W. G. Durbid	do	61.30
	E. B. Fuls	do	61.30
	H. D. Hartley	do	61.30
	W. J. Hutchinson	do	61.30
	M. C. Jensen	do	61.30
	R. S. Kellogg	do	61.30
	J. W. Riggs	do	61.30
	C. A. Scott	do	61.30
	J. W. Warren	do	61.30
	M. Burns	do	76.60
	F. A. Clarke	do	76.60
	M. W. Ely	do	76.60
	W. R. McKinnon	do	76.60
	S. Riley	do	76.60
	R. G. Zou	do	76.60
	J. B. Anderson	do	85.20
	J. S. Baird	do	85.20
	E. A. Braniff	do	85.20
	J. F. Clark	do	85.20
	A. W. Cooper	do	85.20
	G. Farley	do	85.20
	W. G. Gardner	do	85.20
	A. F. Hawes	do	85.20
	R. P. Imes	do	85.20
	E. Koch	do	85.20
	T. P. Lukins	do	85.20
	L. C. Miller	do	85.20
	H. K. Porter	do	85.20
	J. G. Peters	do	85.20
	W. D. Sterritt	do	85.20
	T. S. Woolsey, jr.	do	85.20
	C. S. Chapman	do	102.20
	G. E. Clement	do	102.20
	A. K. Chittenden	do	102.20
	C. Du Bois	do	102.20
	R. G. Giffin	do	102.20
	G. E. Marshall	do	102.20
	F. W. Reed	do	102.20
	E. A. Sterling	do	102.20
	E. T. Allen	do	153.30
	E. M. Griffith	do	153.30
	S. J. Holsinger	do	153.30
	W. A. Langille	do	153.30
	A. F. Potter	do	153.30
	L. E. Hunt	do	170.30
	T. H. Sherrard	do	170.30
	W. K. Hatt	do	191.60
	C. H. Herty	do	191.60
	E. S. Bruce	do	212.90
	H. von Schrenk	do	212.90
	G. Alleman	do	60.00
	J. F. Appleby	do	28.02
	G. L. Clothier	do	24.73
	J. A. Howarth, jr.	do	41.21
	G. M. Homans	do	24.73
	C. H. Hall	do	51.92
	W. L. Jepson	do	4.95
	D. Rodman	do	31.45

326 EXPENDITURES IN DEPARTMENT OF AGRICULTURE.

*Expenditures of the Department of Agriculture for fiscal year ending June 30, 1904—Cont'd.*

FORESTRY INVESTIGATIONS—Continued.

Date.	Name.	Nature of payment.	Total.
1904.			
Feb. 1	H. A. Smith .....	Services .....	\$91.00
	S. N. Spring .....	.....do.....	8.24
	H. J. Tompkins.....	.....do.....	119.20
	W. Wallace.....	.....do.....	41.54
2	J. F. Bond.....	.....do.....	25.50
	H. D. Burrall.....	.....do.....	25.50
3	The Chesapeake and Potomac Telephone Co. ....	Service.....	.25
	.....do.....	.....do.....	.90
	.....do.....	Moving telephone.....	2.50
	R. P. Andrews & Co.....	Supplies.....	2.00
	Adams Express Co.....	Transportation.....	93.62
	.....do.....	.....do.....	59.50
	.....do.....	.....do.....	94.68
	The Geo. W. Knox Express Co.....	.....do.....	18.73
	United States Express Co.....	.....do.....	21.90
	Blue Line Transfer Co.....	.....do.....	3.41
	W. H. Dyer.....	Preparing specimens for test.....	22.95
	M. Du Perow.....	Supplies.....	22.06
	Church & Stephenson.....	Lumber.....	33.52
	Remington Typewriter Co.....	Typewriter, etc.....	172.50
	Underwood Typewriter Co.....	.....do.....	92.50
	Fred. A. Schmidt.....	Drawing materials.....	177.08
	Lamb & Tilden.....	Daters.....	18.00
	E. Morrison Paper Co.....	Stationery.....	37.15
	W. B. Moses & Sons.....	File cases.....	154.00
	National Electric Supply Co.....	Supplies.....	8.40
	E. S. Newman.....	Paper.....	2.00
	D. Frank Parker.....	Stationery.....	26.60
	United States Express Co.....	Transportation.....	40.05
	.....do.....	.....do.....	52.85
	Washington Gas-light Co.....	Gas.....	.10
	Woodward & Lothrop.....	Furniture, etc.....	250.89
4	H. W. Newman.....	Services.....	73.40
	E. J. S. Moore.....	.....do.....	45.00
	W. W. Everett.....	.....do.....	25.50
	R. L. Marsten.....	.....do.....	65.00
	M. M. Sutter.....	.....do.....	34.62
	S. B. Detwiler.....	Traveling expenses.....	17.43
	G. Alleman.....	.....do.....	100.27
	H. Grinnell.....	.....do.....	38.75
	A. O. Waha.....	.....do.....	16.45
	E. T. Greene.....	.....do.....	84.80
5	T. G. Phillips.....	.....do.....	69.60
	.....do.....	Services.....	3.96
	I. N. Bovee.....	.....do.....	35.00
	F. A. Clarke.....	Traveling expenses.....	66.89
	G. S. Cleland.....	.....do.....	2.66
	G. E. Clement.....	.....do.....	80.14
	W. L. Porterfield.....	.....do.....	24.84
	H. M. Sutter.....	.....do.....	10.60
8	The Chesapeake and Potomac Telephone Co. ....	Service.....	95.01
9	Adams Express Co.....	Transportation.....	3.32
	Julius Lansburgh.....	Steel rod.....	1.37
	W. L. King.....	Leather.....	.50
	National Electrical Supply Co.....	Shade holders.....	1.50
	Wm. Brown.....	Moving.....	2.00
	C. Schneider Sons.....	Keys, etc.....	1.50
11	J. S. Baird.....	Traveling expenses.....	23.00
	R. E. Benedict.....	.....do.....	17.75
	M. Burns.....	.....do.....	23.50
	J. F. Clarke.....	.....do.....	89.59
	G. Farley.....	.....do.....	22.00
	C. Feagan.....	.....do.....	57.70
	R. G. Giffin.....	.....do.....	42.50
	H. D. Hartley.....	.....do.....	63.63
	W. B. Howard.....	.....do.....	60.50
	W. F. Hubbard.....	.....do.....	67.63
	R. P. Imes.....	.....do.....	58.65
	M. C. Jensen.....	.....do.....	16.42
	T. P. Lukens.....	.....do.....	54.50
	W. R. McKinnon.....	.....do.....	25.75
	G. E. Marshall.....	.....do.....	134.29
	H. A. Paul.....	.....do.....	111.90
	C. A. Scott.....	.....do.....	44.54
	W. D. Sterrett.....	.....do.....	136.72
	J. W. Warren.....	.....do.....	112.37
	C. H. Herty.....	.....do.....	280.87
	S. J. Holsinger.....	.....do.....	142.40
	W. Wallace.....	.....do.....	18.75



Expenditures of the Department of Agriculture for fiscal year ending June 30, 1904—Cont'd.

## FORESTRY INVESTIGATIONS—Continued.

Date.	Name.	Nature of payment.	Total.
1904.			
Feb. 11	E. A. Braniff.....	Traveling expenses.....	\$118.20
	J. H. Hansenvald.....	do.....	10.71
	W. H. B. Kent.....	Services.....	76.60
12	F. Tompkins.....	do.....	51.10
	Yawman & Erbe Manufacturing Co.....	Bookcase sections.....	169.50
	Library Bureau.....	Letter files, etc.....	66.65
	Chas. S. Jenkins.....	Map roll.....	55.00
	Eastman Kodak Co.....	Photo supplies.....	20.49
	J. H. Bunnell & Co.....	Electric supplies.....	28.27
	W. P. Turner.....	Supplies for timber tests.....	21.00
	Thos. Meehan & Son (Incorporated).....	Seed.....	17.50
13	E. S. Bruce.....	Traveling expenses.....	64.85
	W. J. Gardner.....	do.....	49.52
	R. G. Zon.....	do.....	71.70
15	J. T. Moses.....	Services.....	3.26
	J. W. Riggs.....	Traveling expenses.....	66.52
	H. D. Scudder.....	do.....	144.40
17	H. A. Smith.....	do.....	35.95
	F. Tompkins.....	do.....	125.60
	R. S. Craig.....	do.....	169.10
	E. B. Fulks.....	do.....	64.80
	L. E. Hunt.....	do.....	156.42
	C. H. Farrum.....	Services.....	25.50
	Cincinnati, New Orleans and Texas Pacific Rwy. Co.....	Passenger transportation.....	14.55
	Baltimore and Ohio R. R. Co.....	do.....	8.70
	The Chicago, Burlington and Quincy Rwy. Co.....	do.....	27.39
18	The Atchison, Topeka and Santa Fe Rwy. Co.....	do.....	213.04
	do.....	do.....	25.00
	Cincinnati, Hamilton and Dayton Rwy. Co.....	do.....	8.70
	Great Northern Rwy. Co.....	do.....	4.52
	Houston and Texas Central R. R. Co.....	do.....	10.70
	Illinois Central R. R. Co.....	do.....	28.10
	Louisville and Nashville R. R. Co.....	do.....	20.00
	Nashville, Chattanooga and St. Louis Rwy. Co.....	do.....	11.90
	New York, New Haven and Hartford R. R. Co.....	do.....	8.00
	do.....	do.....	9.40
	New York Central and Hudson River R. R. Co.....	do.....	69.25
	The Oregon R. R. and Navigation Co.....	do.....	112.10
	Pennsylvania R. R. Co.....	do.....	12.60
	do.....	do.....	60.50
	do.....	do.....	17.50
	Seaboard Air Line Rwy. Co.....	do.....	7.00
	Southern Rwy. Co.....	do.....	77.49
	Southern California Rwy. Co.....	do.....	62.50
	San Pedro, Los Angeles and Salt Lake R. R. Co.....	do.....	10.55
19	J. G. Peters.....	Traveling expenses.....	197.29
	C. O. Sparks.....	do.....	15.85
23	C. S. Chapman.....	do.....	279.56
	do.....	do.....	127.00
	Henry Taylor Lumber Co.....	Services.....	57.66
	Yawman & Erbe Manufacturing Co.....	Section, etc.....	19.00
	Thos. Meehan & Sons (Incorporated).....	Seeds.....	39.35
	Keuffel & Esser Co.....	Callipers.....	29.25
	W. G. Johnson & Co.....	Transfer binders.....	15.75
24	Felt & Tarrent Manufacturing Co.....	Comptometer.....	125.00
	The G. W. Knox Express Co.....	Drayage.....	3.00
	W. B. Moses & Sons.....	Sections, etc.....	11.50
	Adams Express Co.....	Transportation.....	12.85
	R. Carter Ballantyne.....	Stationery.....	5.68
	Church & Stephenson.....	Lumber.....	77.83
	Delano & Moore.....	Photo. supplies.....	181.13
	M. Du Perow.....	Electric supplies.....	21.43
	A. Eberly's Sons.....	Grate.....	1.00
	The Maurice Joyce Engraving Co.....	Die.....	.50
	J. W. Tyler.....	Molding.....	2.00
	Howard Laundry Co.....	Service.....	4.57
27	Western Union Telegraph Co.....	do.....	157.10
	Postal Telegraph-Cable Co.....	do.....	11.24
29	H. D. Aller.....	Services.....	25.50
	G. B. Sudworth et al.....	Salaries.....	5,500.02
Mar. 1	E. E. Adams.....	Services.....	24.00
	R. H. Allen.....	do.....	24.00
	H. D. Allen.....	do.....	24.00
	P. W. Ayres.....	do.....	24.00

Expenditures of the Department of Agriculture for fiscal year ending June 30, 1904—Cont'd.

## FORESTRY INVESTIGATIONS—Continued.

Date.	Name.	Nature of payment.	Total.
1904.			
Mar. 1	B. E. Babcock.....	Services.....	\$24.00
	E. E. Bogue.....	do.....	24.00
	J. F. Bond.....	do.....	24.00
	H. D. Burrell.....	do.....	24.00
	W. Burbridge.....	do.....	24.00
	Geo. H. Cecil.....	do.....	24.00
	G. S. Cleland.....	do.....	24.00
	E. G. Cheyney.....	do.....	24.00
	W. W. Everett.....	do.....	24.00
	R. T. Fisher.....	do.....	24.00
	E. M. Griffith.....	do.....	24.00
	J. E. Gow.....	do.....	24.00
	H. M. Hale.....	do.....	24.00
	J. H. Hausewald.....	do.....	24.00
	G. M. Homans.....	do.....	24.00
	C. D. Howe.....	do.....	24.00
	J. A. Haworth, jr.....	do.....	24.00
	J. H. Ramskill.....	do.....	24.00
	W. H. Kempfer.....	do.....	24.00
	C. A. Morton.....	do.....	24.00
	J. E. Barton.....	do.....	24.00
	A. E. Oman.....	do.....	24.00
	A. S. Peck.....	do.....	24.00
	F. M. Patton.....	do.....	24.00
	A. H. Pierson.....	do.....	24.00
	W. L. Porterfield.....	do.....	24.00
	F. L. Pray.....	do.....	24.00
	F. J. Phillips.....	do.....	24.00
	E. R. Secrist.....	do.....	24.00
	C. H. Sellers.....	do.....	24.00
	D. S. Keels.....	do.....	24.00
	B. J. Teasdale.....	do.....	24.00
	D. J. Trangott.....	do.....	24.00
	H. O. Tunis.....	do.....	24.00
	W. J. Ward.....	do.....	24.00
	J. R. Weir.....	do.....	24.00
	L. L. White.....	do.....	38.20
	J. C. Blumer.....	do.....	38.20
	R. D. Craig.....	do.....	38.20
	C. M. Erdman.....	do.....	38.20
	J. D. Guthrie.....	do.....	38.20
	E. R. Hodson.....	do.....	38.20
	W. B. Howard.....	do.....	38.20
	H. A. Paul.....	do.....	38.20
	H. D. Scudder.....	do.....	38.20
	A. O. Waha.....	do.....	38.20
	S. P. Woolfolk.....	do.....	38.20
	E. A. Ziegler.....	do.....	47.80
	C. Feagan.....	do.....	47.80
	E. T. Greene.....	do.....	47.80
	M. Johnson.....	do.....	47.80
	J. E. Keach.....	do.....	47.80
	F. Klarpp.....	do.....	47.80
	W. H. Mast.....	do.....	47.80
	C. O. Sparks.....	do.....	47.80
	G. E. Tower.....	do.....	47.80
	F. Tompkins.....	do.....	47.80
	S. Tompkins.....	do.....	47.80
	J. F. Appleby.....	do.....	47.80
	T. F. Borst.....	do.....	47.80
	C. Barry.....	do.....	57.40
	R. E. Benedict.....	do.....	57.40
	A. E. Cohoon.....	do.....	57.40
	W. G. Durbin.....	do.....	57.40
	E. B. Fulks.....	do.....	57.40
	H. T. Hartley.....	do.....	57.40
	W. I. Hutchinson.....	do.....	57.40
	R. S. Kellogg.....	do.....	57.40
	J. W. Riggs.....	do.....	57.40
	C. A. Scott.....	do.....	57.40
	W. Wallace.....	do.....	57.40
	J. W. Warren.....	do.....	71.80
	M. Burns.....	do.....	71.80
	M. W. Ely.....	do.....	71.80
	C. H. Hall.....	do.....	71.80
	W. R. McKinnon.....	do.....	71.80
	S. Riley.....	do.....	71.80
	R. G. Zon.....	do.....	71.80
	J. S. Baird.....	do.....	79.60

Expenditures of the Department of Agriculture for fiscal year ending June 30, 1904—Cont'd.

## FORESTRY INVESTIGATIONS—Continued.

Date.	Name.	Nature of payment.	Total.
1904.			
Mar. 1	E. A. Braniff .....	Services .....	\$79.60
	J. F. Clark .....	do .....	79.60
	A. W. Cooper .....	do .....	79.60
	G. Farley .....	do .....	79.60
	W. J. Gardner .....	do .....	79.60
	A. F. Hawes .....	do .....	79.60
	R. P. Imes .....	do .....	79.60
	E. Koch .....	do .....	79.60
	T. P. Lukens .....	do .....	79.60
	L. C. Miller .....	do .....	79.60
	J. G. Peters .....	do .....	79.60
	H. K. Porter .....	do .....	79.60
	W. D. Sterrett .....	do .....	79.60
	C. S. Chapman .....	do .....	95.60
	A. K. Chittenden .....	do .....	95.60
	G. E. Clement .....	do .....	95.60
	C. Du Bois .....	do .....	95.60
	R. G. Giffin .....	do .....	95.60
	G. E. Marshall .....	do .....	95.60
	F. W. Reed .....	do .....	95.60
	E. A. Sterling .....	do .....	95.60
	L. E. Hunt .....	do .....	159.40
	T. H. Sherrard .....	do .....	159.40
	C. H. Herty .....	do .....	179.30
	W. K. Hatt .....	do .....	179.30
	E. S. Bruce .....	do .....	199.20
	H. von Schrenk .....	do .....	199.20
	E. T. Allen .....	do .....	143.40
	S. J. Holsinger .....	do .....	143.40
	W. A. Langille .....	do .....	143.40
	A. F. Potter .....	do .....	143.40
	C. W. Edgarton .....	do .....	4.12
	H. Davis .....	do .....	33.89
	J. W. Toumey .....	do .....	49.50
	G. Alleman .....	do .....	60.00
	M. Rothkugel .....	do .....	79.10
	H. J. Tomkins .....	do .....	111.60
2	T. A. Casey .....	do .....	24.00
	L. Krautter, jr. ....	do .....	24.00
	H. A. Smith .....	do .....	98.00
	Gifford Pinchot .....	Traveling expenses .....	234.70
	H. Grinnell .....	do .....	39.55
	J. B. Anderson .....	do .....	128.20
	A. K. Chittenden .....	do .....	152.93
	G. L. Clothier .....	do .....	121.33
	W. K. Hatt .....	do .....	81.03
	R. S. Kellogg .....	do .....	23.41
	H. A. Smith .....	do .....	34.15
3	Giddings & Steele .....	Rug .....	37.20
	S. Kann, Sons & Co. ....	Felt .....	9.56
	Geo. E. Corbett .....	Glue .....	1.25
	M. G. Copeland Co. ....	Repairing tents, etc. ....	35.00
	Wm. E. Stockett & Co. ....	Portfolios .....	2.75
	Rufus B. Merchant, P. O. Department .....	Map .....	1.60
	F. A. Clarke .....	Services .....	24.73
	E. T. Greene .....	Traveling expenses .....	95.22
4	Amberg File and Index Co. ....	Cabinet, etc. ....	87.78
	F. Barteldes & Co. ....	Pine seed .....	2.00
	Cox Seed Co. ....	Seed .....	2.00
	Eastman Kodak Co. ....	Photo. supplies .....	48.00
	T. Balfour .....	Services .....	24.00
5	Wolbensak Optical Co. ....	Repairs .....	1.10
	J. B. Anderson .....	Services .....	79.60
	T. S. Woolsen, jr. ....	do .....	79.60
	D. Rodman .....	do .....	38.20
	G. Alleman .....	Traveling expenses .....	102.45
	Jno. F. Clarke .....	do .....	70.54
	C. G. Crawford .....	do .....	70.95
	G. E. Marshall .....	do .....	68.50
10	M. C. Jensen .....	Services .....	57.40
	E. S. Bruce .....	Traveling expenses .....	83.17
	F. A. Clarke .....	do .....	63.90
	E. B. Fulks .....	do .....	84.00
	T. P. Lukens .....	do .....	95.30
	S. J. Halsinger .....	do .....	123.60
	H. D. Hartley .....	do .....	66.29
	W. L. Porterfield .....	do .....	79.71
	J. W. Warren .....	do .....	121.20
11	T. S. Woolsey .....	do .....	9.20



Expenditures of the Department of Agriculture for fiscal year ending June 30, 1904—Cont'd.

## FORESTRY INVESTIGATIONS—Continued.

Date.	Name.	Nature of payment.	Total.
1904.			
Mar. 11	E. A. Braniff.....	Traveling expenses.....	\$161.23
	R. D. Craig.....	do.....	144.11
	C. Feagan.....	do.....	78.15
	W. J. Gardner.....	do.....	95.83
	C. A. Scott.....	do.....	35.45
	W. K. Hatt.....	do.....	55.35
	F. L. Pray.....	do.....	37.11
	United States Express Co.....	Transportation.....	12.45
	Woodward & Lothrop.....	Furniture, etc.....	32.94
	F. A. Schmidt.....	Drawing materials.....	86.41
	Jas. B. Lambie Co.....	Stepladder.....	8.00
	Lamb & Tilden.....	Self-inking stamp.....	4.75
	Mackall Bros.....	Photo supplies.....	36.00
	Barber & Ross.....	Hardware, etc.....	24.94
	Z. D. Gilman.....	Sponge.....	3.00
	W. T. Galliher & Bro.....	Lumber.....	3.42
	J. W. Fawcett.....	Window shade.....	1.50
	National Electrical Supply Co.....	Electric supplies.....	20.63
	E. Morrison Paper Co.....	Notebooks, etc.....	24.50
	S. P. Johnson.....	Repairs on typewriters.....	22.25
	Lutz & Co.....	Leather carrying case.....	7.50
	Newberry & Metcalf.....	Supplies.....	63.59
	I. N. Bovee.....	Services.....	35.00
12	W. H. B. Kent.....	do.....	71.80
	do.....	Traveling expenses.....	213.71
14	C. H. Herty.....	do.....	243.43
	E. A. Ziegler.....	do.....	106.58
	J. L. Baird.....	do.....	33.86
	G. Farley.....	do.....	34.11
	W. I. Hutchinson.....	do.....	38.32
	M. Burns.....	do.....	31.11
	A. S. Peck.....	do.....	47.69
16	J. W. Torney.....	do.....	22.69
	W. B. Howard.....	do.....	39.95
	W. Wallace.....	do.....	32.33
	W. R. McKinnon.....	do.....	32.33
	R. G. Giffin.....	do.....	39.18
	H. A. Paul.....	do.....	107.30
	F. Tompkins.....	do.....	79.40
	Delano & Moore.....	do.....	159.98
17	The Chicago and Alton Rwy. Co.....	Passenger transportation.....	20.25
	The Chicago, Burlington and Quincy Rwy. Co.....	do.....	17.85
	Chicago, Rock Island and Pacific Rwy. Co.....	do.....	168.75
	Houston and Texas Central R. R. Co.....	do.....	2.20
	Delaware, Lackawanna and Western R. R. Co.....	do.....	6.10
	Denver and Rio Grande R. R. Co.....	do.....	36.00
	Georgia Southern and Florida Rwy. Co.....	do.....	9.81
	Atlantic and West Point R. R. Co.....	do.....	12.65
	The Atchison, Topeka and Santa Fe Rwy. Co.....	do.....	9.18
	do.....	do.....	6.47
	Atlantic Coast Line R. R. Co.....	do.....	25.75
	Atlantic and Birmingham R. R. Co.....	do.....	8.80
	Alabama and Great Southern R. R. Co.....	do.....	4.30
	Boston and Maine R. R. Co.....	do.....	15.25
	The Chesapeake and Ohio Rwy. Co.....	do.....	16.00
	Canadian Pacific Rwy. Co.....	do.....	33.35
	The Colorado and Southern Rwy. Co.....	do.....	108.05
	Central of Georgia Rwy. Co.....	do.....	7.00
	do.....	do.....	3.68
	Burlington and Missouri River R. R. Co.....	do.....	48.98
	Chicago and Northwestern Rwy. Co.....	do.....	12.70
	Galveston, Harrisburg and San Antonio Rwy. Co.....	do.....	25.65
18	Washington County R. R. Co.....	do.....	8.50
	Seaboard Air Line.....	do.....	35.45
	The Wabash R. R. Co.....	do.....	12.75
	Union Pacific R. R. Co.....	do.....	30.00
	do.....	do.....	41.30
	Texas and New Orleans R. R. Co.....	do.....	26.10
	Southern Rwy. Co.....	do.....	224.40
	do.....	do.....	31.40
	The Pullman Co.....	do.....	132.00
	do.....	do.....	35.00
	do.....	do.....	4.50
	do.....	do.....	59.50
	do.....	do.....	32.00
	do.....	do.....	59.00

Expenditures of the Department of Agriculture for fiscal year ending June 30, 1904—Cont'd.

## FORESTRY INVESTIGATIONS—Continued.

Date.	Name.	Nature of payment.	Total.
1904.			
Mar. 18	Pennsylvania R. R. Co.....	Passenger transportation.....	\$48.05
	do.....	do.....	21.29
	The Pecos and Northern Texas Rwy. Co....	do.....	5.76
	The Oregon R. R. and Navigation Co.....	do.....	76.00
	Pittsburgh, Cincinnati, Chicago and St. Louis Rwy. Co.....	do.....	9.00
	Oregon Short Line R. R. Co.....	do.....	20.05
	New Orleans and Northeastern R. R. Co....	do.....	21.00
	National Steamship Co.....	do.....	5.00
	Louisville and Nashville R. R. Co.....	do.....	15.10
	Illinois Central R. R. Co.....	do.....	4.95
	Norfolk and Washington, D. C., Stmbt. Co..	do.....	15.00
	New York Central and Hudson River R. R. Co.....	do.....	12.30
	New York, New Haven and Hartford R. R. Co.....	do.....	9.50
	Maine Central R. R. Co.....	do.....	4.00
	Missouri, Kansas and Texas Rwy. Co.....	do.....	5.90
	do.....	do.....	7.25
	The Missouri Pacific Rwy. Co.....	do.....	37.25
	Virginia and Truckee R. R. Co.....	do.....	18.80
19	C. H. Farnum.....	Services.....	24.00
21	R. S. Hosmer.....	do.....	49.50
	C. M. Erdman.....	do.....	18.46
	W. J. Gardner.....	Traveling expenses.....	28.25
	J. A. Gowanlock.....	Storage.....	30.00
	H. E. Armstrong.....	do.....	10.00
	Amberg File and Index Co.....	File case, etc.....	63.10
	J. K. Bishop.....	Photo supplies.....	61.88
	Richardson Bros.....	Hauling.....	45.20
	Keuffel & Esser Co.....	Pocket transit.....	23.75
	J. M. Thornburn & Co.....	Seeds.....	11.50
22	C. Schneider Sons.....	Keys, etc.....	1.10
	Church & Stephenson.....	Lumber.....	106.94
	Capital Traction Co.....	Tickets.....	10.00
	Geo. E. Corbett.....	Photo supplies.....	17.50
	The J. C. Ergood Co.....	Pearline, etc.....	2.41
	The Geo. W. Knox Express Co.....	Transportation.....	.97
	J. B. Lambie & Co.....	Electric supplies.....	12.78
	D. Frank Parker.....	Stationery.....	70.50
	Rudolph West & Co.....	Manila rope.....	7.15
	Harvard Laundry Co.....	Towel service.....	4.91
	H. M. Sutter.....	Negatives.....	1.75
	J. G. Peters.....	Traveling expenses.....	144.05
	W. C. Hodge, jr.....	do.....	20.75
	L. C. Miller.....	do.....	249.85
23	E. A. Sterling.....	do.....	111.15
	W. D. Sterrett.....	do.....	130.87
	G. F. Schwarz.....	do.....	38.45
	A. K. Chittenden.....	do.....	126.68
	F. W. Reed.....	do.....	310.43
26	T. S. Woolsey, jr.....	do.....	19.31
	H. D. Scudder.....	do.....	183.45
	M. C. Jensen.....	do.....	32.80
	R. T. Fisher.....	do.....	20.50
	Southern California Rwy. Co.....	Transportation.....	4.47
	do.....	do.....	6.30
	New York Central and Hudson River R. R. Co.....	do.....	4.39
	Missouri Pacific Rwy. Co.....	do.....	13.00
	do.....	do.....	11.20
	Louisville and Nashville R. R. Co.....	do.....	27.50
	Boston and Maine R. R. Co.....	do.....	2.59
	Atlantic Coast Line R. R. Co.....	do.....	16.70
28	Jno. C. Parker.....	Stationery.....	61.15
	R. L. Marston.....	Traveling expenses.....	50.25
29	W. H. B. Kent.....	do.....	111.00
	do.....	do.....	49.85
	do.....	do.....	95.30
	do.....	do.....	46.15
	Chas. R. Edmonston.....	Paste pots.....	.96
	Wm. Brown.....	Hauling.....	2.00
	Amberg File and Index Co.....	Indexes.....	9.60
31	A. C. Rowe.....	Fire extinguishers.....	120.00
	Wm. E. Stockett & Co.....	Tags.....	8.25
	E. E. Adams.....	Services.....	25.50
	P. W. Ayers.....	do.....	25.50
	E. E. Boque.....	do.....	25.50
	J. E. Barton.....	do.....	25.50





Expenditures of the Department of Agriculture for fiscal year ending June 30, 1904—Cont'd.

## FORESTRY INVESTIGATIONS—Continued.

Date.	Name.	Nature of payment.	Total.
1904.			
Apr. 4	W. J. Gardner.....	Services.....	\$85.20
	A. F. Hawes.....	do.....	85.20
	R. P. Imes.....	do.....	85.20
	E. Koch.....	do.....	85.20
	T. P. Lukins.....	do.....	85.20
	L. C. Miller.....	do.....	85.20
	J. G. Peters.....	do.....	85.20
	W. G. Sterrett.....	do.....	85.20
	T. S. Woolsey, jr.....	do.....	85.20
	A. K. Chittenden.....	do.....	102.20
	C. S. Chapman.....	do.....	102.20
	G. E. Clement.....	do.....	102.20
	C. Du Bois.....	do.....	102.20
	R. G. Giffin.....	do.....	102.20
	W. C. Hodge, jr.....	do.....	102.20
	G. E. Marshall.....	do.....	102.20
	F. W. Reed.....	do.....	102.20
	E. A. Sterling.....	do.....	102.20
	G. F. Schwarz.....	do.....	102.20
	D. Rodman.....	do.....	40.90
	G. Alleman.....	do.....	60.00
	F. Klarpp.....	do.....	71.50
	H. J. Thompkins.....	do.....	119.20
	H. A. Smith.....	do.....	175.00
	W. J. Ward.....	do.....	11.54
	E. R. Secrist.....	do.....	18.13
	W. L. Porterfield.....	do.....	23.08
	C. H. Hall.....	do.....	37.09
	G. E. Tower.....	do.....	37.91
	J. A. Howarth.....	do.....	28.51
	A. Peck.....	do.....	28.51
	R. H. Allen.....	do.....	33.46
	G. J. Trangott.....	do.....	33.46
	W. Burbridge.....	do.....	31.98
	B. E. Babcock.....	do.....	31.98
	C. H. Farnum.....	do.....	31.98
	L. E. Hunt.....	do.....	170.30
	T. H. Sherrard.....	do.....	170.30
	E. T. Allen.....	do.....	153.30
	S. J. Holsinger.....	do.....	153.30
	W. A. Langille.....	do.....	153.30
	A. F. Potter.....	do.....	153.30
	W. K. Hatt.....	do.....	191.60
	C. H. Herty.....	do.....	191.60
	E. S. Bruce.....	do.....	212.90
	H. von Schrenk.....	do.....	212.90
5	W. H. B. Kent.....	do.....	76.60
6	C. S. Chapman.....	Traveling expenses.....	275.06
	L. E. Hunt.....	do.....	43.35
	E. S. Bruce.....	do.....	207.94
	E. T. Greene.....	do.....	105.41
	L. L. White.....	do.....	43.85
	E. A. Ziegler.....	do.....	67.45
9	United States Express Co.....	Transportation.....	7.20
	T. E. Ludwig.....	Repairing.....	2.25
	Jno. C. Parker, estate of.....	Eraser, etc.....	42.00
	W. R. McKimmon.....	Traveling expenses.....	34.04
	W. Wallace.....	do.....	34.04
	J. S. Baird.....	do.....	30.50
	G. E. Marshall.....	do.....	73.80
	G. Farley.....	do.....	34.50
	M. Burns.....	do.....	30.50
	H. M. Hale.....	do.....	56.55
	J. F. Clark.....	do.....	103.46
	H. A. Smith.....	do.....	19.70
	J. W. Riggs.....	do.....	28.27
	R. G. Zou.....	do.....	217.27
	W. H. Mast.....	do.....	85.55
	W. L. Hall.....	do.....	28.30
	W. D. Sterrett.....	do.....	79.47
	A. K. Chittenden.....	do.....	27.89
	H. O. Tunis.....	do.....	56.37
11	G. S. Cleland.....	do.....	27.89
	M. C. Jensen.....	do.....	40.58
	C. A. Scott.....	do.....	106.04
	T. P. Lukins.....	do.....	264.03
	R. G. Giffin.....	do.....	73.63
	W. B. Howard.....	do.....	33.45
	A. F. Hawes.....	do.....	47.25

334 EXPENDITURES IN DEPARTMENT OF AGRICULTURE.

Expenditures of the Department of Agriculture for fiscal year ending June 30, 1904—Cont'd.

FORESTRY INVESTIGATIONS—Continued.

Date.	Name.	Nature of payment.	Total.
1904.			
Apr. 11	J. G. Peters.....	Traveling expenses.....	\$175.71
	J. W. Tournay.....	do.....	97.13
	M. P. Colbath.....	Storage.....	5.00
12	Library Bureau.....	File tray.....	17.00
	United States Envelope Co.....	Envelopes.....	4.60
	Turner, Day & Woolworth Handle Co.....	Hatchet handles.....	4.80
13	C. S. Chapman.....	Traveling expenses.....	426.26
15	W. A. Smith.....	Services.....	36.00
16	J. F. Bond.....	Traveling expenses.....	17.95
19	W. F. Hubbard.....	do.....	146.67
	J. D. Guthrie.....	do.....	85.75
	S. J. Holsinger.....	do.....	132.28
	W. K. Hatt.....	do.....	109.86
	J. W. Warren.....	do.....	101.16
	W. C. Hodge, jr.....	do.....	89.35
	C. H. Hierty.....	do.....	275.38
	E. S. Cameron.....	Horse hire.....	45.00
	Lowell Warehouse Co.....	Storage.....	43.50
20	J. K. Bishop.....	Photo supplies.....	11.26
	Chicago, St. Paul, Minneapolis and Omaha Rwy. Co.....	Passenger transportation.....	82.50
	The Chicago and Alton Rwy. Co.....	do.....	14.40
	Texas and New Orleans R. R. Co.....	do.....	8.35
	The Chesapeake and Potomac Telephone Co.....	Service.....	104.25
	The Pennsylvania R. R. Co.....	Passenger transportation.....	27.75
	Washington, Chattanooga and St. Louis Rwy. Co.....	do.....	14.20
	Burlington and Missouri River R. R.....	do.....	6.63
	Seaboard Air Line Rwy. Co.....	do.....	5.15
21	Ernest Bruncken.....	Manuscript.....	500.00
25	Lamb & Tilden.....	Ink, etc.....	9.25
	Library Bureau.....	Cards.....	4.30
	American Type Founders Co.....	Type, etc.....	364.68
	Martin Wiegand.....	File case.....	100.00
	Remington Typewriter Co.....	Adjusting typewriter.....	25.34
	Potomac Electric Power Co.....	Current.....	.67
	Richd. Gasch & Sons.....	Repairing lock.....	1.00
	J. K. Bishop.....	Photo supplies.....	21.83
	Felt & Terrant Manufacturing Co.....	Repairing comptometer.....	11.00
	Merchants' Transfer and Storage Co.....	Labor.....	6.00
	R. P. Andrews & Co.....	Envelopes.....	57.60
	Geo. E. Corbett.....	Photo glass.....	26.25
	Delano & Moore.....	Photo supplies.....	115.79
	Harvard Laundry Co.....	Laundering towels.....	4.78
26	H. von Schrenk.....	Traveling expenses.....	94.75
	E. S. Bruce.....	do.....	46.77
	W. C. Hodge, jr.....	do.....	14.20
	C. O. Sparas.....	do.....	11.70
	G. Alleman.....	do.....	92.33
	A. D. Hopkins.....	do.....	7.40
	do.....	do.....	22.70
	G. F. Schwarz.....	do.....	2.55
27	Western Union Telegraph Co.....	Service.....	4.81
	Postal Telegraph Cable Co.....	do.....	5.27
	J. Geo. Smith.....	Penholders.....	4.10
	Potomac Electric Power Co.....	Supplies.....	4.80
	Barber & Ross.....	Cut saw, etc.....	3.50
	Woodward & Lothrop.....	Furniture.....	605.75
	Blue Line Transfer Co.....	Transportation.....	2.41
	do.....	do.....	17.36
	United States Express Co.....	do.....	8.20
	Jas. A. Nicholson & Son.....	Canvas.....	3.50
	S. P. Johnson.....	Typewriter supplies.....	4.30
	M. G. Copeland Co.....	Repairing flags.....	2.25
	District of Columbia Paper Manufacturing Co.....	Paper.....	5.94
	Barber & Ross.....	Hardware, etc.....	15.58
	Wm. Brown.....	Labor.....	2.00
28	The Yazoo and Mississippi Valley R. R. Co.....	Passenger transportation.....	4.20
	Michigan Central R. R. Co.....	do.....	3.19
	Chesapeake and Ohio Rwy. Co.....	do.....	1.71
30	G. B. Sudworth et al.....	Salaries.....	7,040.99
	E. E. Adams.....	Services.....	24.70
	E. E. Bogue.....	do.....	24.70
	W. W. Everett.....	do.....	24.70
	R. T. Fisher.....	do.....	24.70
	E. M. Griffith.....	do.....	24.70
	H. M. Hale.....	do.....	24.70
	R. S. Hosmer.....	do.....	24.70
	C. D. Howe.....	do.....	24.70

Expenditures of the Department of Agriculture for fiscal year ending June 30, 1904—Cont'd.

## FORESTRY INVESTIGATIONS—Continued.

Date.	Name.	Nature of payment.	Total.
1904.	C. A. Norton	Services	\$24.70
Apr. 30	L. Krautter, jr.	do.	24.70
	A. E. Oman	do.	24.70
	L. L. White	do.	24.70
	J. D. Guthrie	do.	39.60
	W. B. Howard	do.	39.60
	E. A. Ziegler	do.	39.60
	C. Feagan	do.	49.50
	E. T. Greene	do.	49.50
	W. H. Mast	do.	49.50
	C. O. Sparks	do.	49.50
	C. Barry	do.	49.50
	H. E. Burke	do.	49.50
	T. F. Borst	do.	49.50
	R. E. Benedict	do.	59.30
	A. E. Cohoon	do.	59.30
	E. P. Fulks	do.	59.30
	H. D. Hartley	do.	59.30
	M. C. Jensen	do.	59.30
	R. S. Kellogg	do.	59.30
	J. W. Riggs	do.	59.30
	C. A. Scott	do.	59.30
	S. P. Woolfolk	do.	59.30
	W. Wallace	do.	59.30
	J. W. Warren	do.	59.30
	M. Burns	do.	74.20
	M. W. Fly	do.	74.20
	W. H. B. Kent	do.	74.20
	W. R. McKinnon	do.	74.20
	S. Riley	do.	74.20
	E. A. Braniff	do.	82.40
	J. S. Baird	do.	82.40
	A. W. Cooper	do.	82.40
	J. F. Clarke	do.	82.40
	H. M. Curran	do.	82.40
	S. B. Detwiler	do.	82.40
	G. Farley	do.	82.40
	A. F. Hawes	do.	82.40
	R. P. Imes	do.	82.40
	E. Koch	do.	82.40
	T. P. Lukens	do.	82.40
	F. G. Miller	do.	82.40
	J. G. Peters	do.	82.40
	W. D. Sterrett	do.	82.40
	T. S. Woolsey, jr.	do.	82.40
	C. S. Chapman	do.	98.90
	A. K. Chittenden	do.	98.90
	G. E. Clement	do.	98.90
	C. Du Bois	do.	98.90
	R. G. Giffin	do.	98.90
	W. C. Hodge, jr.	do.	98.90
	G. E. Marshall	do.	98.90
	F. W. Reed	do.	98.90
	E. A. Sterling	do.	98.90
	F. Klarpp	do.	69.20
	G. F. Schwarz	do.	69.23
	W. A. Langille	do.	148.30
	A. F. Potter	do.	148.30
	E. T. Allen	do.	148.30
	L. E. Hunt	do.	164.80
	T. H. Sherrard	do.	164.80
	E. S. Bruce	do.	206.00
	H. von Schrenk	do.	206.00
	W. K. Hatt	do.	185.45
	H. D. Langille	do.	109.89
	H. J. Tompkins	do.	115.40
	W. G. Durbin	do.	13.85
	W. Burbridge	do.	15.82
	G. H. Cecil	do.	15.82
	R. V. R. Reynolds	do.	19.78
	D. Rodman	do.	26.37
	A. Ackerman	do.	29.25
	M. Johnson	do.	36.26
	J. F. Appleby	do.	44.51
	H. A. Paul	do.	47.48
	C. H. Herty	do.	55.63
	G. Alleman	do.	60.00
	W. A. Smith	do.	36.00
May 2	E. A. Braniff	Traveling expenses	106.88



Expenditures of the Department of Agriculture for fiscal year ending June 30, 1904—Cont'd.

## FORESTRY INVESTIGATIONS—Continued.

Date.	Name.	Nature of payment.	Total.
1904.			
May 3	E. A. Sterling	Traveling expenses	\$90.75
4	H. D. Aller	Services	10.55
	S. J. Holsinger	do	148.30
	Eastman Kodak Co.	Photo supplies	56.13
	Eugene Dietzgen Co.	Road pen	4.50
	The Anthony & Scoville Co.	Photo supplies	3.95
	Wells, Fargo & Co. Express	Transportation	2.15
	H. P. McBeth	Services	23.00
	W. G. Johnston & Co.	Index	2.50
6	Mackall Bros.	Soap, etc.	17.95
	Howard S. Nyman, collector of customs	Duties on books	9.75
7	L. E. Hunt	Traveling expenses	13.75
	C. G. Crawford	do	104.75
	E. T. Greene	do	85.40
	F. Klarpp	do	22.75
	H. Grinnell	do	17.60
11	E. A. Braniff	do	200.60
	W. B. Howard	do	32.63
	T. P. Lukens	do	127.81
	C. A. Scott	do	137.44
	J. W. Warren	do	110.20
	H. A. Smith	do	32.90
	do	do	84.00
	F. Barteldes & Co.	Seeds	4.75
	The Donaldson Co.	Trees	1.75
	Herman Bealmear	Clocks	55.00
	Eugene Ditzgen Co.	Tapes	20.10
	Amberg File and Index Co.	Indexes, etc.	17.42
	Sietter & Trussell Manufacturing Co.	Unimatic covers	65.00
	Mallinckrodt Chemical Works	Photo supplies	30.03
12	W. H. Dyer	Drawing board	43.43
	Southern Printers' Supply Co.	Mailing machine	190.44
	Ira N. Bovee	Services	35.00
	Henry Driml	do	28.00
	R. T. Fisher	Traveling expenses	32.40
	S. B. Detwiler	do	80.24
	J. W. Toumey	do	21.46
	Geo. E. Marshall	do	169.21
	J. S. Baird	do	3.50
	J. W. Riggs	do	29.00
	W. R. McKinnon	do	5.00
	R. G. Giffin	do	20.00
	G. Farley	do	75.00
13	The Geo. W. Knox Express Co.	Transportation	20.96
	Adams Express Co.	do	15.05
	do	do	18.30
	F. A. Schmidt	Reading glasses, etc.	81.97
	Rudolph, West & Co.	Hardware	28.57
	W. B. Moses & Sons	Chair, etc.	27.50
	M. Du Perow	Electric supplies	50.40
	Jas. B. Lambie Co. (Incorporated)	Brooms, etc.	4.95
	The Maurice Joyce Engraving Co.	Engraving	3.70
	W. H. Rupp Co.	Ink, etc.	2.65
	James B. Lambie Co. (Incorporated)	Hardware	6.45
	American Writing Machine Co.	Paper	11.00
	Jno. B. Espey	Electric supplies	3.00
	E. S. Newman	Repairing machine	7.00
	Barber & Ross	Hardware, etc.	16.59
	Capital Traction Co.	Tickets	10.00
	The J. C. Ergood Co.	Pearline	2.16
	Lamb & Tilden	Dating stamp	2.50
	National Electric Supply Co.	Supplies	4.00
	E. G. Schafer & Co.	Brass pipe, etc.	1.52
	E. Morrison Paper Co.	Drawing materials	22.00
14	W. A. Smith	Service	36.00
16	W. H. B. Kent	Traveling expenses	25.55
	G. L. Clothier	do	91.57
	H. E. Burke	do	40.85
18	Edwd. Howe	Books	30.00
	Central of Georgia Rwy. Co.	Passenger transportation	8.50
	The Yazoo and Mississippi Valley R. R. Co.	do	6.40
	Great Northern Rwy. Co.	do	4.50
	Norfolk and Washington, D. C., Steamboat Co.	do	5.00
	Pere Marquette R. R. Co.	do	64.93
	Seaboard Air Line Rwy.	do	31.84
	The Atchison, Topeka and Santa Fe Rwy. Co.	do	25.20
	Southern Rwy. Co.	do	22.00
	Chicago and Northwestern Rwy. Co.	do	148.50

Expenditures of the Department of Agriculture for fiscal year ending June 30, 1904—Cont'd.

## FORESTRY INVESTIGATIONS—Continued.

Date.	Name.	Nature of payment.	Total.
1904.			
May 18	Atlantic Coast Line R. R. Co.	Passenger transportation.	\$16.70
	do.	do.	68.71
	Pennsylvania Co.	do.	17.50
	Washington Southern Rwy. Co.	do.	13.40
	The Chesapeake and Ohio Rwy. Co.	do.	55.20
	do.	do.	12.50
	Lehigh Valley R. R. Co.	do.	10.30
	Chicago, Rock Island and Gulf Rwy. Co.	do.	11.05
	The Pecos and Northern Texas Rwy. Co.	do.	18.60
	Central R. R. Co. of New Jersey	do.	6.50
	The Oregon R. R. and Navigation Co.	do.	79.35
	Northern Pacific Rwy. Co.	do.	16.45
	Alabama and Great Southern R. R. Co.	do.	56.15
	Canadian Pacific Rwy. Co.	do.	75.50
	Texas and New Orleans R. R. Co.	do.	114.00
	Southern California Rwy. Co.	do.	170.20
	Chicago, Milwaukee and St. Paul Rwy. Co.	do.	18.60
	Louisville and Nashville R. R. Co.	do.	47.20
	Mobile and Ohio Rwy. Co.	do.	8.38
	Illinois Central R. R. Co.	do.	11.25
	do.	do.	5.70
	Clyde's St. Johns River Line.	do.	5.75
	The Cleveland, Cincinnati, Chicago and St. Louis Rwy. Co.	do.	20.60
	do.	do.	18.50
	do.	do.	20.25
	The Wabash R. R. Co.	do.	14.30
19	R. L. Marston	Services	107.25
	W. K. Hatt	Traveling expenses	18.13
	J. F. Clark	do.	97.54
	E. A. Sterling	do.	106.44
	H. M. Curran	do.	68.40
	S. P. Woolfolk	do.	28.42
21	M. C. Jensen	do.	38.40
	A. F. Hawes	do.	124.60
	E. E. Bogue	do.	21.55
	R. C. Bryant	do.	91.00
	T. J. Griffin	Transportation	2.63
23	New Union Sand Co.	Sand	32.58
	Eastman Kodak Co.	Photo supplies	101.91
24	R. C. Schaefer & Co.	Repairing	5.00
	Capital Traction Co.	Tickets	10.00
	Wm. Brown	Labor	2.00
	S. Tompkins	Services	34.62
	W. F. Hubbard	Traveling expenses	33.46
	G. Alleman	Expenses	69.00
	A. Ackerman	Traveling expenses	37.90
25	Delano & Moore	Photo supplies	48.15
26	T. F. Borst	Traveling expenses	94.47
	do.	do.	76.35
	do.	do.	76.80
	R. S. Kellogg	do.	36.48
	F. Tompkins	Service	49.50
31	W. A. Smith	do.	39.00
	G. B. Sudworth et al.	Salaries	7,720.37
June 1	E. M. Griffith	Services	27.60
	C. D. Howe	do.	27.60
	R. T. Fisher	do.	27.60
	C. A. Norton	do.	27.60
	L. L. White	do.	27.60
	R. S. Hosmer	do.	27.60
	H. M. Hale	do.	27.60
	A. E. Oman	do.	27.60
	E. E. Bogue	do.	27.60
	L. Krautter, jr.	do.	27.60
	E. E. Adams	do.	27.60
	J. D. Guthrie	do.	40.80
	W. B. Howard	do.	40.80
	E. A. Ziegler	do.	40.80
	W. Burbridge	do.	40.80
	D. Rodman	do.	40.80
	H. E. Burke	do.	51.00
	C. Barry	do.	51.00
	E. T. Greene	do.	51.00
	C. Feagan	do.	51.00
	T. F. Borst	do.	51.00
	W. A. Mast	do.	51.00
	E. B. Fulks	do.	61.40
	H. A. Paul	do.	61.40

Expenditures of the Department of Agriculture for fiscal year ending June 30, 1904—Cont'd.

## FORESTRY INVESTIGATIONS—Continued.

Date.	Name.	Nature of payment.	Total.
1904, June 1	R. S. Kellogg	Services	\$61.40
	S. P. Woolfolk	do.	61.40
	M. C. Jensen	do.	61.40
	R. E. Benedict	do.	61.40
	A. E. Cohoon	do.	61.40
	W. Wallace	do.	61.40
	H. D. Hartley	do.	61.40
	J. W. Warren	do.	61.40
	J. W. Riggs	do.	61.40
	C. A. Scott	do.	61.40
	F. P. Lukins	do.	85.20
	E. Koch	do.	85.20
	J. S. Baird	do.	85.20
	A. W. Cooper	do.	85.20
	G. Farley	do.	85.20
	J. F. Clarke	do.	85.20
	S. B. Detwiler	do.	85.20
	F. G. Miller	do.	85.20
	A. F. Hawes	do.	85.20
	R. P. Imes	do.	85.20
	E. A. Braniff	do.	85.20
	H. M. Curran	do.	85.20
	J. G. Peters	do.	85.20
	M. Burns	do.	76.60
	W. R. McKinnon	do.	76.60
	M. Ely	do.	76.60
	W. H. B. Kent	do.	76.60
	S. Riley	do.	76.60
	F. W. Reed	do.	102.20
	W. C. Hodge, jr.	do.	102.20
	R. G. Giffin	do.	102.20
	G. E. Marshall	do.	102.20
	C. Dubois	do.	102.20
	G. E. Clement	do.	102.20
	C. S. Chapman	do.	102.20
	A. Chittenden	do.	102.20
	E. A. Sterling	do.	102.20
	G. Alleman	do.	60.00
	H. J. Tompkins	do.	119.20
	W. K. Hatt	do.	191.60
	H. von Schrenk	do.	213.00
	E. S. Bruce	do.	213.00
	A. F. Potter	do.	153.40
	S. J. Holsinger	do.	153.40
	E. T. Allen	do.	153.40
	L. E. Hunt	do.	170.40
	T. H. Sherrard	do.	170.40
	T. Klarpp	do.	71.60
3	Rand, McNally & Co.	Maps	2.95
	Remington Typewriter Co.	Typewriter paper, etc.	40.60
	Jno. C. Rau	Electric supplies	6.90
	Jno. Pitzinger	Seeds	4.00
	Keuffel & Esser Co.	Steel rules, etc.	12.00
	United States Express Co.	Transportation	7.85
	Yawman & Erb Manufacturing Co.	Indexes, etc.	66.00
	Woodward & Lothrop	Chairs, etc.	18.15
	J. T. Thomson	Letter heads	45.00
	C. Schneider Sons	Repairing	1.00
	Felt & Tarrant Manufacturing Co.	Comptometer	125.00
	Jno. B. Espey	Asbestos	8.90
	Chas. R. Edmonston	Filter	6.40
	Eastman Kodak Co.	Photo supplies	63.14
	M. Du Perow	Electric supplies	33.01
	Wm. H. Dyer	Drawing tables, etc.	34.00
	Church & Stephenson	Lumber, etc.	128.78
	Austin Cary	Manuscript	30.00
	Barber & Ross	Hardware	9.30
	R. Carter Ballantyne	Desk pads, etc.	8.81
	R. P. Andrews & Co.	Cardboard	14.42
	Adams Express Co.	Transportation	78.44
	American Type Founders Co.	Type	239.90
	Mallinckrodt Chemical Works	Photo supplies	1.75
	Merchants Transfer and Storage Co.	Hauling	10.25
	Francis Miller	Photo supplies	36.59
	W. B. Moses & Sons	Furniture	29.50
	Lutz & Co.	Leather cases, etc.	39.25
	Lamb & Tilden	Stencil paste brush	.55
	S. Kann Sons & Co.	Cotton	12.25
	S. P. Johnson	Repairing typewriter	15.00



Expenditures of the Department of Agriculture for fiscal year ending June 30, 1904—Cont'd.

FORESTRY INVESTIGATIONS—Continued.

Date.	Name.	Nature of payment.	Total.
1904.			
June 3	The M. Joyce Engraving Co.	Die	\$1.00
6	W. & L. E. Gurley	Calipers	30.00
11	Western Union Telegraph Co.	Service	123.35
	R. L. Marston	Services	42.25
	H. A. Smith	do	105.00
	L. E. Hunt	Traveling expenses	22.05
	W. L. Hall	do	78.24
	W. K. Hatt	do	68.90
	E. S. Bruce	do	119.50
	W. B. Howard	do	8.95
	J. W. Riggs	do	29.88
	S. P. Woolfolk	do	15.68
	R. T. Fisher	do	26.41
	M. C. Jensen	do	37.05
	J. S. Baird	do	9.50
	E. A. Braniff	do	96.94
	E. T. Greene	do	82.58
	E. Koch	do	4.00
13	J. D. Guthrie	do	81.05
	do	do	37.55
	L. Krautter, jr	do	41.95
	A. E. Oman	do	41.80
	J. F. Clark	do	66.54
	H. A. Paul	do	70.85
	G. Farley	do	41.54
	R. G. Giffin	do	42.68
	W. R. McKinnon	do	56.14
	J. W. Warren	do	128.29
	F. Tompkins	do	89.25
	M. Burns	do	15.15
	E. A. Sterling	do	110.30
	C. Feagan	do	81.55
	H. E. Burke	do	18.85
	G. E. Marshall	do	75.50
	F. G. Miller	do	45.44
15	W. A. Smith	Services	39.00
17	H. A. Smith	Traveling expenses	53.35
20	Jno. Foley	do	17.75
	S. B. Detwiler	do	71.49
	J. W. Tourney	do	58.47
	F. Klarpp	do	11.10
	A. F. Hawes	do	159.35
	C. A. Scott	do	411.17
	G. Alleman	Expenses	63.44
	The Chesapeake and Potomac Telephone Co.	Services	2.70
	M. Du Perow	Electric supplies	23.10
	Eugene Dietzgen Co.	Paper cutter, etc.	8.15
	Jno. C. Parker	Stationery	70.36
	Adams Express Co.	Transportation	12.70
	Wm. H. Dyer	Drawing table	25.00
	Henry Driml	Services	28.00
	Ira N. Bovee	do	35.00
	Wm. Brown	Labor	2.00
	Swayze, Bailey & Co.	Stationery	20.00
	Union City Transfer Co.	Storage	2.75
	Western Union Telegraph Co.	Service	17.07
	Walter A. Zelincker Supply Co.	Hose	26.50
21	T. H. Sherrard	Traveling expenses	154.05
	T. P. Lukens	do	71.78
22	Rufus B. Merchant	Maps	5.60
25	G. E. Clement	Traveling expenses	115.65
29	Compton Heights Plumbing Co.	Gas and water supplies	20.84
	do	Services	18.00
	S. S. Shedd & Bros. Co.	Plumbing, etc.	128.95
	Southern Printers Supply Co.	Type	3.00
	The Donaldson Co.	Trees	5.00
	Delano & Moore	Photo supplies	49.25
	J. W. Faucett	Window shades	2.50
	Mallinckrodt Chemical Works	Chemicals	21.80
	Byron S. Adams	Tags	1.75
	R. C. M. Burton & Son	Covering awnings	18.00
	R. P. Clarke Co.	Towels	11.70
	Holmes & Co.	Tubing	2.16
30	W. A. Smith	Services	30.00
	G. B. Sudworth et al	Salaries	7,041.26
	Total fourth quarter		56,860.61

Expenditures of the Department of Agriculture for fiscal year ending June 30, 1904—Cont'd.

## FORESTRY INVESTIGATIONS—Continued.

Date.	Name.	Nature of payment.	Total.
1904. July 1	<i>Supplemental.</i>		
	C. D. Howe	Services	\$24.70
	E. M. Griffith	do	24.70
	L. Krautter, jr	do	24.70
	A. E. Oman	do	24.70
	R. S. Hosmer	do	24.70
	H. M. Hale	do	24.70
	L. L. White	do	24.70
	E. E. Bogue	do	24.70
	R. T. Fisher	do	24.70
	E. A. Ziegler	do	39.36
	J. D. Guthrie	do	39.36
	A. O. Waha	do	39.36
	A. S. Peck	do	39.36
	W. B. Howard	do	39.36
	H. E. Burke	do	49.50
	J. L. Webb	do	49.50
	C. Barry	do	49.50
	C. Feagan	do	49.50
	E. T. Greene	do	49.50
	W. H. Mast	do	49.50
	T. F. Borst	do	49.50
	R. S. Kellogg	do	59.30
	W. Wallace	do	59.30
	E. B. Fulks	do	59.30
	M. C. Jensen	do	59.30
	H. A. Paul	do	59.30
	C. A. Scott	do	59.30
	J. H. Hatton	do	59.30
	J. W. Warren	do	59.30
	J. W. Riggs	do	59.30
	A. E. Cahoon	do	59.30
	R. E. Benedict	do	59.30
	R. V. R. Reynolds	do	59.30
	M. Burns	do	74.20
	W. R. McKinnon	do	74.20
	M. W. Ely	do	74.20
	W. H. B. Kent	do	74.20
	S. Riley	do	74.20
	L. C. Miller	do	82.40
	T. P. Lukens	do	82.40
	J. S. Baird	do	82.40
	J. F. Clarke	do	82.40
	F. G. Miller	do	82.40
	R. P. Imes	do	82.40
	G. Farley	do	82.40
	A. F. Hawes	do	82.40
	E. A. Braniff	do	82.40
	A. W. Cooper	do	82.40
	H. M. Curran	do	82.40
	J. G. Peters	do	82.40
	E. Koch	do	82.40
	S. B. Detwiller	do	82.40
	E. A. Stirling	do	98.90
	G. E. Marshall	do	98.90
	R. G. Giffin	do	98.90
	G. E. Clement	do	98.90
	C. S. Chapman	do	98.90
	H. C. Hodge, jr	do	98.90
	A. K. Chittenden	do	98.90
	F. W. Reed	do	98.90
	C. DuBois	do	98.90
	E. T. Allen	do	148.30
	S. J. Holsinger	do	148.30
	L. E. Hunt	do	164.80
	T. H. Sherrard	do	164.80
	H. von Schrenk	do	206.00
	E. S. Bruce	do	206.00
	W. K. Hatt	do	185.45
	G. Alleman	do	60.00
	H. J. Tompkins	do	115.40
	F. Klarpp	do	69.20
	H. A. Smith	do	133.00
	H. W. Everett	do	50.30
	F. Tompkins	do	100.50
	B. E. Babcock	do	7.91
	C. A. Norton	do	8.24
	C. A. Lyford	do	10.99
	W. Mulford	do	16.25
	J. M. Fetheroff	do	19.23

Expenditures of the Department of Agriculture for fiscal year ending June 30, 1904—Cont'd.

## FORESTRY INVESTIGATIONS—Continued.

Date.	Name.	Nature of payment:	Total.
<i>Supplemental—Continued.</i>			
1904.			
July 1	W. Burbridge.....	Services.....	\$23.74
	J. F. Baker.....	do.....	32.97
	G. E. Tower.....	do.....	34.62
	H. P. Baker.....	do.....	55.38
	R. B. Wilson.....	do.....	63.19
	A. Gaskill.....	Traveling expenses.....	247.70
	H. S. Graves.....	do.....	51.55
	W. B. Howard.....	do.....	47.50
	L. E. Hunt.....	do.....	50.19
	E. E. Bogue.....	do.....	19.46
5	W. F. Hubbard.....	do.....	17.90
	R. D. Craig.....	do.....	38.99
	A. O. Waha.....	do.....	27.70
	do.....	do.....	27.62
	H. A. Smith.....	do.....	19.90
6	A. E. Braniff.....	do.....	160.43
	S. P. Woolfolk.....	do.....	50.88
	E. T. Greene.....	do.....	92.32
	W. Mulford.....	do.....	33.60
	J. P. Wentling.....	Service.....	2.64
	A. Akerman.....	do.....	9.75
8	Clark & Davenport.....	Rubber treads.....	86.69
9	S. P. Woolfolk.....	Service.....	59.30
	Z. L. Bliss.....	do.....	28.02
	H. von Schrenk.....	Expenses.....	154.00
14	C. A. McCue.....	Services.....	27.42
	A. F. Potter.....	do.....	148.30
	A. F. Hawes.....	Traveling expenses.....	289.88
	W. R. McKinnon.....	do.....	89.47
	W. I. Hutchinson.....	do.....	17.20
	R. T. Fisher.....	do.....	5.85
	G. B. Sudworth.....	do.....	69.32
	E. A. Sterling.....	do.....	101.05
	T. P. Lukins.....	do.....	114.82
	M. Burns.....	do.....	40.45
	J. S. Baird.....	do.....	36.04
	L. C. Miller.....	do.....	56.55
	R. E. Benedict.....	do.....	56.55
	W. Wallace.....	do.....	63.99
	J. W. Riggs.....	do.....	18.95
15	Z. L. Bliss.....	do.....	20.01
	do.....	do.....	2.96
	do.....	do.....	49.47
	G. W. Woodruff.....	do.....	37.50
	E. S. Bruce.....	do.....	187.50
	J. F. Baker.....	do.....	14.75
	G. E. Marshall.....	do.....	39.75
	H. von Schrenk.....	Expenses.....	10.00
18	R. S. Kellogg.....	Traveling expenses.....	24.45
	C. A. Scott.....	do.....	120.19
	C. DuBois.....	do.....	70.43
	R. V. R. Reynolds.....	do.....	92.70
	W. T. Cox.....	do.....	46.15
	Church & Stephenson.....	Lumber.....	221.18
	Z. D. Gilman.....	Bottles.....	7.06
	Hydrographic Office.....	Charts.....	26.10
	Potomac Electric Power Co.....	Current.....	11.40
	Capital Traction Co.....	Car tickets.....	10.00
19	Jno. Underwood & Co.....	Carbon paper.....	22.56
	Queen & Co. (Incorporated).....	Thermometers.....	9.80
	The Okonite Co. (Limited).....	Supplies.....	6.25
	Lufkin Rule Co.....	Rules, etc.....	2.80
	Keystone Blue Paper Co.....	Lamps.....	180.00
	Library Bureau.....	Cards, etc.....	36.68
	Eberhard Faber.....	Erasers.....	2.36
	Carter, Rice & Co.....	Wrapping paper.....	7.20
	Eugene Deltzen Co.....	Paper cutter.....	.65
	Emery Davis.....	Inkstands.....	14.40
	Elliot Electric Blue Print Co.....	Wringers.....	89.00
	Eastman Kodak Co.....	Photo supplies.....	61.23
	Swayze Bailey Co.....	Fountain pen, etc.....	5.20
	American Type Founders Co.....	Printers' supplies.....	16.61
	Amberg File and Index Co.....	Indexes.....	8.15
	I. N. Bovee.....	Services.....	55.00
20	R. L. Marston.....	do.....	26.00
	R. G. Giffin.....	Traveling expenses.....	70.68
	S. Riley.....	do.....	59.15
	J. H. Halton.....	do.....	29.12



342 EXPENDITURES IN DEPARTMENT OF AGRICULTURE.

Expenditures of the Department of Agriculture for fiscal year ending June 30, 1904—Cont'd.

FORESTRY INVESTIGATIONS—Continued.

Date.	Name.	Nature of payment.	Total.
<i>Supplemental—Continued.</i>			
1904 July 20	S. J. Holsinger.....	Traveling expenses.....	\$56.00
	G. E. Clement.....	do.....	6.75
	F. G. Miller.....	do.....	40.44
	United States Express Co.....	Transportation.....	10.15
	The Baltimore and Ohio R. R. Co.....	Passenger transportation.....	52.90
	The Chesapeake and Potomac Telephone Co.....	Service.....	104.25
	E. Morrison Paper Co.....	Stationery.....	22.75
	Francis Miller.....	Oil, etc.....	29.37
	Mackall Bros.....	Photo supplies.....	47.86
	Jas. B. Lambie Co. (Incorporated).....	Excelsior.....	6.00
	Lutz & Co.....	Cases, etc.....	60.00
	Lamb & Tilden.....	Racks.....	3.40
	The Geo. W. Knox Express Co.....	Transportation.....	2.35
	S. Kann's Sons & Co.....	Cloth, etc.....	18.30
	Louis Hartig.....	Iron.....	.66
	Giddings & Steele.....	Rugs.....	9.30
	The J. C. Ergood Co.....	Pearline.....	2.16
	Chas. R. Edmonston.....	Glasses, etc.....	5.08
	W. H. Dyer.....	Drawing table, etc.....	43.20
	Densmore Typewriter Co.....	Typewriter.....	87.50
	Geo. E. Corbett.....	Plate glass.....	.50
	Barber & Ross.....	Hardware.....	56.90
	Wm. Brown.....	Labor.....	2.00
	R. Carter Ballantyne.....	Pens, etc.....	65.25
	Remington Typewriter Co.....	Typewriter, etc.....	133.30
	Geo. F. Muth & Co.....	Bicycle.....	40.00
	Fred A. Schmidt.....	Varnish, etc.....	184.62
	H. B. Trippe.....	Drawing materials.....	184.01
	Underwood Typewriter Co.....	Altering locks.....	34.00
	J. T. Walker's Sons.....	Typewriter, etc.....	126.25
	A. F. Potter.....	Tar.....	.35
23	H. J. Tompkins.....	Traveling expenses.....	120.30
	F. Klapp.....	do.....	52.65
	C. Feagan.....	do.....	13.78
	M. C. Jensen.....	do.....	47.85
	H. von Schrenk.....	do.....	36.65
	J. D. Guthrie.....	do.....	66.86
	Terre Haute and Indianapolis R. R. Co.....	do.....	88.20
	The Pennsylvania R. R. Co.....	Passenger transportation.....	38.50
	do.....	do.....	54.50
	do.....	do.....	5.30
	do.....	do.....	68.00
	Southern Rwy. Co.....	do.....	71.40
	do.....	do.....	20.00
26	Delano & Moore.....	Photo supplies.....	318.29
30	Columbia Southern Rwy. Co.....	Passenger transportation.....	3.15
	Gulf Colorado and Santa Fe Rwy. Co.....	do.....	21.75
	Southern California R. R. Co.....	do.....	3.00
	Seaboard Air Line Rwy. Co.....	do.....	18.92
	Chicago and Northwestern Rwy. Co.....	do.....	32.10
	Central of Georgia Rwy. Co.....	do.....	4.43
	Chicago, Milwaukee and St. Paul Rwy. Co.....	do.....	27.50
	St. Louis and San Francisco R. R. Co.....	do.....	8.20
	The New York, New Haven and Hartford R. R. Co.....	do.....	5.00
	Great Northern Rwy. Co.....	do.....	17.20
	Chicago, Milwaukee and St. Paul Rwy. Co.....	do.....	19.55
	The Cleveland, Cincinnati, Chicago and St. Louis Rwy. Co.....	do.....	87.60
	The Chicago and Alton Rwy. Co.....	do.....	7.50
	The Atchison, Topeka and Santa Fe Rwy. Co.....	do.....	18.29
	Southern California Rwy. Co.....	do.....	3.00
	The Kansas City Southern Rwy. Co.....	do.....	4.70
	Mobile and Ohio R. R. Co.....	do.....	11.70
	Texas and New Orleans R. R. Co.....	do.....	45.35
	New York Central and Hudson River R. R. Co.....	do.....	11.35
	Ann Arbor R. R. Co.....	do.....	10.40
	Atlantic Coast Line.....	do.....	29.21
	do.....	do.....	3.65
	Chesapeake and Ohio Rwy. Co.....	do.....	11.40
	Burlington and Missouri River R. R.....	do.....	23.80
	Illinois Central R. R. Co.....	do.....	5.70
	Union Pacific R. R. Co.....	do.....	3.55
Aug. 1	E. B. Foulks.....	Traveling expenses.....	130.20
	H. A. Paul.....	do.....	32.80
	W. K. Hatt.....	do.....	165.13
	J. W. Warren.....	do.....	122.38
	A. Gaskill.....	do.....	91.44

Expenditures of the Department of Agriculture for fiscal year ending June 30, 1904—Cont'd.

## FORESTRY INVESTIGATIONS—Continued.

Date.	Name.	Nature of payment.	Total.
<i>Supplemental—Continued.</i>			
1904			
Aug. 1	G. E. Town.....	Traveling expenses.....	\$141.75
	C. S. Jones.....	Horses.....	350.00
	American Writing Machine Co.....	Letter paper, etc.....	83.05
2	C. O. Sparks.....	Traveling expenses.....	18.50
	do.....	do.....	8.50
	J. W. Toumey.....	do.....	27.29
	J. M. Petheroff.....	do.....	31.99
3	Woodward & Lothrop.....	Water cooler, etc.....	77.65
	Mary E. Parker, executrix.....	Desk pads.....	84.31
	M. Du Perow.....	Electric supplies.....	13.28
	National Electric Supply Co.....	Desk fans.....	134.40
	Potomac Electric Power Co.....	Current.....	.81
	D. Frank Parker.....	Carbon paper, etc.....	166.27
	R. P. Andrews & Co.....	Stationery, etc.....	140.56
	R. C. M. Burton & Son.....	Awnings.....	31.00
	J. E. Hurley.....	Lumber.....	20.20
	The Maurice Joyce Engraving Co.....	Engravings.....	2.17
	The M. Lindsay Rubber Co.....	Tubing.....	2.70
6	J. F. Clarke.....	Traveling expenses.....	30.75
11	J. S. Guthrie.....	do.....	112.00
	E. Koch.....	do.....	65.10
12	C. O. Sparks.....	Services.....	51.00
16	F. Tompkins.....	Traveling expenses.....	10.25
	W. T. Cox.....	Services.....	18.13
17	W. H. Rupp Co.....	Baskets, etc.....	29.68
	National Electric Light Co.....	Electric supplies.....	2.28
	Rudolph, West & Co.....	Waste baskets, etc.....	32.50
	Carey Machine and Supply Co.....	Jointer.....	146.00
	Buckstaff Bros. Manufacturing Co.....	Harness, etc.....	31.66
	Geo. Shilling.....	Repairs.....	39.15
18	W. & L. E. Gurley.....	Leather punches.....	33.50
	Felt & Tarrent Manufacturing Co.....	Compometer.....	450.00
	J. H. Wagenhurst Co.....	Photo. supplies.....	340.00
	Wells, Fargo & Co. Express Co.....	Transportation.....	3.15
	do.....	do.....	20.91
	do.....	do.....	2.20
	C. H. Hall.....	Services.....	70.50
	Henry Hell Chemical Co.....	Carbolic acid.....	2.00
26	Western Union Telegraph Co.....	Service.....	27.15
27	R. P. Imes.....	Traveling expenses.....	79.29
Sept. 2	Henry Grinnell.....	do.....	74.00
14	United States Express Co.....	Transportation.....	51.46
16	Wm. Walter.....	Repairs.....	10.20
19	Lake Shore and Michigan Southern Rwy. Co.....	Passenger transportation.....	12.50
	Boston and Maine R. R. Co.....	do.....	5.60
	do.....	do.....	24.15
	Nashville, Chattanooga and St. Louis Rwy. Co.....	do.....	19.75
	The Pennsylvania R. R. Co.....	do.....	49.72
	do.....	do.....	23.00
	do.....	do.....	195.35
	Oregon Short Line R. R. Co.....	do.....	21.10
	Atlantic Coast R. R. Co.....	do.....	11.30
	Burlington and Missouri River R. R.....	do.....	17.86
	do.....	do.....	14.91
	Chicago, Rock Island and Pacific Rwy. Co.....	do.....	10.55
	Chicago, Burlington and Quincy Rwy. Co.....	do.....	12.35
	Denver and Rio Grande R. R. Co.....	do.....	40.90
	The Atchison, Topeka and Santa Fe Rwy. Co.....	do.....	54.90
	The Texas and Pacific Rwy. Co.....	do.....	26.25
	The Baltimore and Ohio R. R. Co.....	do.....	26.00
	do.....	do.....	661.21
	The Pullman Co.....	do.....	5.00
	do.....	do.....	40.50
	The Chesapeake and Ohio Rwy. Co.....	do.....	52.00
	do.....	do.....	267.80
	Washington Southern Rwy. Co.....	do.....	11.30
	The Atchison, Topeka and Santa Fe Rwy. Co.....	Transportation.....	14.30
	Gila Valley, Globe and Northern Rwy. Co.....	Passenger transportation.....	5.65
	Grand Trunk Rwy. System.....	do.....	2.30
	Clyde's St. John Road Line.....	do.....	3.00
	Terre Haute and Indianapolis R. R. Co.....	do.....	7.40
	Delaware, Lackawanna and Western Rwy. Co.....	do.....	21.25
	Northern Pacific Rwy. Co.....	do.....	34.40
	Great Northern Rwy. Co.....	do.....	12.00
	Georgia Southern and Florida Rwy. Co.....	do.....	4.35
	Missouri Pacific Rwy. Co.....	do.....	23.50
	The Cleveland, Cincinnati, Chicago and St. Louis Rwy. Co.....	do.....	17.50

344 EXPENDITURES IN DEPARTMENT OF AGRICULTURE.

Expenditures of the Department of Agriculture for fiscal year ending June 30, 1904—Cont'd.

FORESTRY INVESTIGATIONS—Continued.

Date.	Name.	Nature of payment.	Total.
<i>Supplemental—Continued.</i>			
1904.			
Sept. 19	The New York, New Haven and Hartford R. R. Co.	Passenger transportation.....	\$29.45
	The Oregon R. R. and Navigation Co.	.....do.....	2.60
	Michigan Central Rwy. Co.	.....do.....	14.85
	Missouri, Kansas and Texas Rwy. Co.	.....do.....	15.85
	do.	.....do.....	24.45
20	J. T. Thomson.	Letterheads.....	45.00
	Keuffel & Esser Co.	Compasses, etc.....	207.84
	W. B. Moses & Sons	Chairs.....	150.90
	Adams Express Co.	Transportation.....	21.10
	The Geo. W. Knox Express Co.	.....do.....	18.93
22	T. F. Borst.	Traveling expenses.....	24.60
24	Western Union Telegraph Co.	Service.....	9.89
	Loshe Patent Door Co.	Painting tables.....	4.00
28	Loren E. Hunt.	Expenses.....	28.52
	Total.....		18,816.84

RECAPITULATION.

First quarter.....	\$62,784.38
Second quarter.....	75,848.64
Third quarter.....	68,615.80
Fourth quarter.....	56,860.61
Supplemental.....	18,816.84
Total.....	282,926.27

FORESTRY INVESTIGATION—DEFICIENCY ACT APPROVED APRIL 27, 1904—TESTING TIMBER, LOUISIANA PURCHASE EXPOSITION.

Date.	Name.	Nature of payment.	Total.
1904.			
June 15	W. K. Hatt.....	Traveling expenses.....	\$44.68
	Total, fourth quarter, 1903.....		44.68
July 1	M. Cline.....	Services.....	60.00
	G. W. Noyes.....	.....do.....	115.38
	H. D. Hartley.....	.....do.....	100.00
	W. P. Turner.....	.....do.....	54.15
20	Geo. E. Clement.....	Traveling expenses.....	5.50
23	W. K. Hatt.....	.....do.....	88.35
30	The Wabash R. R. Co.	Passenger transportation.....	18.30
Aug. 1	G. W. Noyes.....	Services.....	100.00
	M. Winchester.....	.....do.....	83.33
6	G. E. Clement.....	Traveling expenses.....	45.67
8	M. Cline.....	Service.....	60.00
	H. D. Hartley.....	.....do.....	100.00
Sept. 1	M. Cline.....	.....do.....	60.00
	H. D. Hartley.....	.....do.....	100.00
	G. W. Noyes.....	.....do.....	100.00
	M. Winchester.....	.....do.....	83.33
17	Henry Taylor Lumber Co.	Frame stand.....	8.60
	Barwick Construction Co.	Erecting house, etc.....	355.70
	do.	Erecting shed, etc.....	336.65
19	The Wabash R. R. Co.	Passenger transportation.....	14.25
20	Edwd. F. Paddock.	Services.....	50.00
	W. K. Hatt.....	Traveling expenses.....	50.70
24	C. E. Faris.....	Services.....	22.50
	W. E. Owen.....	.....do.....	40.00
	J. M. Pavlick.....	.....do.....	23.70
	Daniel Shine.....	.....do.....	55.00
	The St. Louis Painting Co.	Services, painting, etc.....	46.50
	C. W. Hoffman.....	Services.....	69.00
	C. E. Faris.....	.....do.....	75.00
	A. M. Beckers Lumber Co.	Lumber.....	12.60
	The Garlock Packing Co.	Packing.....	33.60
	Jas. Sarensen.....	Services.....	57.50
	The Bell Telephone Co.	Service.....	30.00
26	W. E. Owen.....	.....do.....	50.00
28	G. E. Clements.....	Traveling expenses.....	35.11
	W. K. Hatt.....	.....do.....	66.00
	Total first quarter, 1904.....		2,601.42



Expenditures of the Department of Agriculture for fiscal year ending June 30, 1904—Cont'd.

FORESTRY INVESTIGATION—RENT OF BUILDINGS.

Date.	Name.	Nature of payment.	Total.
1903. Oct. 7	The Atlantic Building Co. .... Emmons S. Smith .....	Rent, July to September, 1903. .... do .....	\$1,773.40 67.50
	Total second quarter, 1904. ....		1,840.90
1904. Jan. 7	The Atlantic Building Co. .... Emmons S. Smith .....	Rent, October to December, 1903. .... do .....	2,368.75 67.50
	Total third quarter, 1904. ....		2,436.25
Apr. 4	The Atlantic Building Co. ....	Rent, January to March, 1904. ....	2,413.75
9	Emmons S. Smith .....	do .....	67.50
	Merchants' Transfer and Storage Co. ....	Rent, March .....	15.00
	Total fourth quarter, 1904. ....		2,496.25
	Supplemental.		
July 2	The Atlantic Building Co. ....	Rent, April to June, 1904. ....	2,413.75
5	Emmons S. Smith .....	do .....	67.50
	Merchants' Transfer and Storage Co. ....	do .....	45.00
	Total .....		2,526.25

RECAPITULATION.

Second quarter .....	\$1,840.90
Third quarter .....	2,436.25
Fourth quarter .....	2,496.25
Supplemental .....	2,526.25
Total .....	9,299.65

FORESTRY INVESTIGATIONS—PAID BY TREASURY.

Date.	Name.	Nature of payment.	Total.
1903. Sept. 21	New York Central and Hudson River R. R. Co. ....	Passenger transportation .....	\$323.35
	Boston and Maine R. R. Co. ....	do .....	175.30
	Pennsylvania R. R. Co. ....	do .....	78.75
Oct. 26	New York, New Haven and Hartford R. R. Co. ....	do .....	138.00
	The Public Printer .....	Printing Circular No. 22 .....	34.75
Nov. 14	The Atchison, Topeka and Santa Fe Rwy. Co. ....	Passenger transportation .....	144.10
	Southern Pacific Co. ....	do .....	20.00
	Union Pacific Rwy. Co. ....	do .....	30.00
	Southern Pacific Co. ....	do .....	126.79
Dec. 19	The Atchison, Topeka and Santa Fe Rwy. Co. ....	do .....	143.05
1904. Jan. 15	Southern Pacific Co. ....	do .....	223.08
Feb. 10	The Public Printer .....	Printing Bulletins Nos. 7, 13, and 37 .....	1,076.81
	The Atchison, Topeka and Santa Fe Rwy. Co. ....	Passenger transportation .....	155.50
	The Geo. W. Knox Express Co. ....	Transportation .....	30.79
	Blue Line Transfer Co. ....	do .....	2.05
Mar. 4	The Public Printer .....	Printing Bulletins Nos. 26 and 31 .....	409.50
	The Geo. W. Knox Express Co. ....	Transportation .....	8.61
	The Atchison, Topeka and Santa Fe Rwy. Co. ....	do .....	77.75
	Southern Pacific Co. ....	Passenger transportation .....	702.90
Feb. 12	do .....	do .....	837.30
Apr. 14	Blue Line Transfer Co. ....	do .....	8.10
June 15	Baltimore and Ohio R. R. Co. ....	do .....	21.82
	The Public Printer .....	Printing Army Cook Book .....	52.55
Sept. 7	do .....	Printing Circular No. 26 .....	841.78
	do .....	Printing Circulars Nos. 48 and 50 .....	2,656.79
	Southern Pacific Co. ....	Passenger transportation .....	78.30
Oct. 1	do .....	do .....	295.85
	do .....	do .....	121.67
	do .....	do .....	416.10
	Sierra Rwy. of California .....	do .....	5.50
	The Public Printer .....	Printing Bulletin No. 48 .....	571.69
	do .....	Printing Circular No. 30 .....	478.35
	do .....	Printing Circulars Nos. 29 and 31 .....	595.55
	Total .....		10,912.44

Expenditures of the Department of Agriculture for fiscal year ending June 30, 1904—Cont'd.

## FUEL, LIGHT, AND REPAIRS, WEATHER BUREAU, 1904.

Date.	Name.	Nature of payment.	Total.
1903.			
July 31	J. L. Weber & Co. ....	Soap polish.	\$12.00
	W. H. Dyer .....	Door jamb, etc.	22.50
Aug. 6	J. B. Lambie Co. (Incorporated) ..	Wire .....	18.00
	Francis Miller .....	Glass .....	1.67
	T. J. Donovan .....	Repairing roof .....	2.00
15	The E. T. Brooks Co. ....	Electric appliance .....	9.00
	M. Du Perow .....	Desk .....	4.00
	Welsbach Co. ....	Droplight .....	5.00
	John Moran .....	Repairing roof, etc. ....	28.75
	Geo. F. Muth & Co. ....	Oil .....	3.30
24	.....do.....	Paint .....	1.68
	.....do.....	.....do.....	2.75
	.....do.....	.....do.....	1.75
	Washington Gaslight Co. ....	Gas .....	30.90
	W. H. Dyer .....	Corner strips .....	6.00
	Hutton & Hilton .....	Paris green .....	1.25
	William Gollan .....	Repairing plastering .....	5.00
	W. J. Zeh .....	Coal .....	199.68
	James Linskey & Sons .....	Frescoing and calcimining ..	105.00
	.....do.....	Painting .....	20.00
	.....do.....	Varnishing .....	2.00
	.....do.....	Calcimining .....	40.00
	.....do.....	Molding .....	4.00
	John Moran .....	Pickaxes .....	2.00
	.....do.....	Forge equipment .....	8.00
	.....do.....	Spigots .....	1.00
	Rudolph, West & Co. ....	Lawn mower .....	10.25
	M. Du Perow .....	Electric-light brackets .....	2.64
	Hugh Reilly .....	Brushes .....	3.99
31	Thomas R. Fowler .....	Hauling ashes .....	10.25
Sept. 9	Notley Anderson .....	Repairing building .....	600.00
15	Francis Miller .....	Glass .....	7.92
	John Moran .....	Lime .....	1.00
	Thos. Somerville & Sons .....	Radiator .....	9.60
	Washington Gaslight Co. ....	Gas .....	24.20
	James B. Lambie Co. (Incorporated) ..	Hose and coupling .....	4.75
22	J. H. Corning .....	Mantle, hearth, and grate .....	197.77
30	Thomas R. Fowler .....	Hauling ashes .....	9.75
	Total first quarter .....		1,420.75
Oct. 3	James Linskey & Sons .....	Painting and calcimining .....	135.00
12	J. T. Walker & Son .....	Roof paste .....	1.00
	Church & Stephenson .....	Lumber .....	58.50
	Geo. F. Muth & Co. ....	Putty .....	1.01
	.....do.....	Turpentine .....	5.80
	James B. Lambie Co. (Incorporated) ..	Zinc .....	1.20
	National Electrical Supply Co. ....	Electrical supplies .....	17.18
15	T. R. Fowler .....	Hauling ashes .....	8.25
24	Francis Miller .....	Oil .....	4.60
	.....do.....	Glass .....	2.26
	National Electrical Supply Co. ....	Lamps .....	7.68
	Barber & Ross .....	Water trough .....	4.70
	John Moran .....	Repairs to plumbing .....	2.00
	E. G. Schafer & Co. ....	Radiator valve .....	2.50
	Washington Gaslight Co. ....	Gas .....	18.20
	Instantaneous Fire Alarm Co. ....	Rent of fire-alarm boxes .....	12.50
31	Thos. Somerville & Sons .....	Pipe fittings .....	1.64
	Church & Stephenson .....	Lumber .....	3.00
	Francis Miller .....	Linseed oil .....	4.60
	Thos. R. Riley .....	Lumber .....	2.24
	P. Mann & Co. ....	Fertilizer .....	4.00
	M. Du Perow .....	Electrical supplies .....	5.06
Nov. 10	Washington Gaslight Co. ....	Gas .....	10.60
19	T. R. Riley .....	Lumber .....	2.90
	Thos. Somerville & Sons .....	Brass cap .....	1.00
	John Moran .....	Repairing closet, etc. ....	40.45
	.....do.....	Marble slab .....	16.00
	James Linskey & Sons .....	Repairing door .....	2.00
	Johnson Bros. ....	Wood .....	6.94
	Wm. J. Zeh .....	Coal .....	6.25
	.....do.....	.....do.....	200.57
	Geo. F. Muth & Co. ....	Turpentine .....	2.90
	Francis Miller .....	Lampblack .....	1.00
	James B. Lambie Co. (Incorporated) ..	Door spring .....	3.35
24	Rudolph, West & Co. ....	Garden rakes .....	.80
	Wm. J. Dyer .....	Corner strips .....	1.50
	Geo. F. Muth & Co. ....	Japan dryer .....	1.05
30	Reading Coal Co. ....	Coal .....	4.82
	Francis Miller .....	Glass .....	2.00

Expenditures of the Department of Agriculture for fiscal year ending June 30, 1904—Cont'd.

## FUEL, LIGHT, AND REPAIRS, WEATHER BUREAU, 1904—Continued.

Date.	Name.	Nature of payment.	Total.
1903.			
Nov. 30	Francis Miller	Oil	\$2.30
	James B. Lambie Co. (Incorporated)	Door locks	4.55
	Geo. F. Muth & Co.	Oil	1.50
	Thomas R. Fowler	Hauling ashes	4.63
Dec. 5	A. C. Rowe	Fire extinguisher	96.00
14	Welsbach Co.	Mantels and chimneys	4.50
	Wm. J. Zeh	Fuel	200.79
	Louis Hartig	Hardware	3.60
	Washington Gaslight Co.	Gas	12.20
31	Francis Miller	Oil	2.30
	Thomas Somerville & Sons	Galvanized pipe, etc.	1.45
	John Moran	Cement	1.25
	do	Repairs to sink	16.25
	Geo. F. Muth & Co.	Oil	1.50
	Hugh Reilly	Painting materials	8.50
	Thomas R. Fowler	Hauling ashes	5.75
	Total second quarter		974.12
1904.			
Jan. 14	Washington Gaslight Co.	Gas	20.00
18	Chamberlain Metal Weather Strip Co.	Weather strips	6.00
	Wm. J. Zeh	Coal	6.36
	do	do	202.29
	do	do	6.64
23	Keasbey & Mattison Co.	Magnabestos covering	7.20
	do	Felt	5.25
31	Francis Miller	Glass	1.60
	Mackall Bros.	Welsbach burners	2.28
	M. Du Perow	Repairs to electric-light fixtures	6.92
	Wm. J. Zeh	Coal	206.62
	T. R. Fowler	Hauling ashes	12.75
Feb. 10	Washington Gaslight Co.	Gas	23.50
	Wm. J. Zeh	Coal	6.25
	do	do	202.58
	Collector of taxes, District of Columbia	Underground conduit	186.47
13	F. G. Nolte	Cleaning stairway, etc.	43.00
	do	Painting door frames and walls	7.00
	John Moran	Stove grates	5.00
18	C. A. Muddiman & Co.	Electric fixtures	12.00
	E. G. Schafer & Co.	Valves	1.85
	T. R. Fowler	Fertilizer	40.00
19	do	Hauling ashes	7.50
23	Keasbey & Mattison Co.	Asbestos covering for pipes	3.60
	The Okonite Co. (Limited)	Copper wire	11.12
29	Francis Miller	Glass	1.07
	C. A. Muddiman & Co.	Gas fixtures	10.00
	J. T. Walker Sons	Cement	4.00
	Johnson Bros.	Wood	6.94
	Instantaneous Fire Alarm Co.	Rent of fire-alarm boxes	12.50
	Wm. H. Dyer	Door panels, posts, etc.	16.00
	James B. Lambie Co. (Incorporated)	Door spring	4.00
	do	Steel bits, etc.	1.95
	Rudolph, West & Co.	Doorknobs	4.90
	Geo. F. Muth & Co.	Oil	1.50
	M. Du Perow	Electric-light apparatus	16.71
Mar. 11	H. D. Hutton	Coal	7.00
	Cozzens Bros.	Setting door in wall	34.00
	Wm. J. Zeh	Coal	279.40
15	T. R. Fowler	Hauling ashes	14.50
23	Rudolph, West & Co.	Corrugated metal ceiling	29.80
	Francis Miller	Plate glass	4.50
	do	Glass	1.50
	Washington Gaslight Co.	Gas	25.70
	Wm. J. Zeh	Coal	44.43
	do	do	6.56
	do	do	282.49
	Church & Stephenson	Lumber	7.68
31	Francis Miller	Glass	1.50
	Total third quarter		1,852.41
Apr. 18	Washington Gaslight Co.	Gas	11.80
	T. R. Fowler	Hauling rubbish	12.75
30	Wm. J. Zeh	Coal	309.88
	do	do	6.42
	do	do	253.52
	John Moran	Padlocks	1.00
	do	Valley for roof	19.60
	Rudolph, West & Co.	Spout	3.50



348 EXPENDITURES IN DEPARTMENT OF AGRICULTURE.

Expenditures of the Department of Agriculture for fiscal year ending June 30, 1904—Cont'd.

FUEL, LIGHT, AND REPAIRS, WEATHER BUREAU, 1904—Continued.

Date.	Name.	Nature of payment.	Total.
1904.			
Apr. 30	Rudolph, West & Co .....	Sharpening lawn mowers .....	\$2.00
	National Electrical Supply Co. ....	Incandescent lamps, etc .....	4.72
	Hugh Reilly .....	Glass .....	.50
	Mutual District Messenger Co. ....	Fire-alarm boxes .....	12.50
	James B. Lambie Co. (Incorporated) ..	Locks, etc .....	10.32
	.....do .....	Locks and night latches .....	13.60
	Francis Miller .....	Glass .....	.66
	.....do .....	.....do .....	1.68
	James Linsley & Sons .....	Refinishing woodwork .....	20.00
	Forsberg & Murray .....	Door locks .....	16.00
May 11	T. R. Fowler .....	Hauling soil and sod .....	10.00
	S. S. Shedd & Bro. Co. ....	Lighting apparatus .....	9.00
	Washington Gaslight Co. ....	Gas .....	26.90
	James Linsley & Sons .....	Cleaning and painting walls .....	20.00
	Mackall Bros .....	Welsbach burners .....	4.56
17	E. L. Barclay .....	Ridding building of rats .....	10.00
	Colt's Patent Fire Arms Manufacturing Co.	Revolver and holster .....	12.00
	Cozzens Bros .....	Repairing driveway .....	13.60
	Barber & Ross .....	Iron bars, rivets, etc. ....	15.90
21	E. G. Schafer & Co. ....	Solder .....	1.65
	T. R. Fowler .....	Hauling ashes .....	11.75
	.....do .....	Sod .....	3.00
31	Wm. J. Zeh .....	Coal .....	276.64
	.....do .....	.....do .....	6.60
June 3	H. D. Hutton .....	Glass .....	3.13
	Francis Miller .....	Wire netting .....	1.10
	John Moran .....	Padlocks .....	4.00
	.....do .....	Shelving and joist .....	7.20
	.....do .....	.....do .....	8.00
	Rudolph, West & Co. ....	Cartridges .....	2.15
15	F. Miller .....	Glass .....	1.60
	J. B. Lambie Co. (Incorporated) ..	Key rings and padlocks .....	6.45
	.....do .....	Key tags, rings, etc. ....	2.30
22	Washington Gaslight Co. ....	Gas .....	26.30
	Francis Miller .....	Glass .....	3.64
	M. Du Perow .....	Portable brackets .....	4.24
30	Wm. J. Zeh .....	Coal .....	278.27
	T. R. Fowler .....	Hauling ashes and rubbish .....	12.75
	Total fourth quarter .....		1,483.18
	<i>Supplemental.</i>		
July 7	Church & Stephenson .....	Cedar posts .....	2.00
	Thos. Somerville & Sons .....	Drain tile .....	1.71
12	Geo. F. Muth & Co. ....	Paint .....	3.19
	J. B. Lambie Co. (Incorporated) ..	Plates for door .....	1.00
31	Mutual District Messenger Co. ....	Rent of fire alarm boxes .....	12.50
	Washington Gaslight Co. ....	Gas light .....	27.70
Aug. 5	Wm. H. Dyer .....	Slat screen .....	8.00
	W. T. & F. B. Weaver .....	Hair brooms .....	12.00
	Church & Stephenson .....	Lumber .....	5.12
	Geo. F. Muth & Co. ....	Oil .....	.77
	.....do .....	White lead .....	3.19
11	Wm. J. Zeh .....	Coal .....	97.98
	John Robertson .....	Fertilizer .....	9.00
	Barber & Ross .....	Hinges .....	5.89
15	T. R. Fowler .....	Sod, and hauling ashes .....	10.25
18	J. B. Espey .....	Hose nozzles .....	45.00
Sept. 10	Church & Stephenson .....	Lumber .....	5.12
	Total supplemental .....		250.42

RECAPITULATION.

First quarter .....	\$1,420.75
Second quarter .....	974.12
Third quarter .....	1,852.41
Fourth quarter .....	1,483.18
Supplemental .....	250.42
Total .....	5,980.88

Expenditures of the Department of Agriculture for fiscal year ending June 30, 1904.—Cont'd.

## CONTINGENT EXPENSES, WEATHER BUREAU.

Date.	Name.	Nature of payment.	Total.
1903.			
July 10	Postmaster, Washington, D. C.	Postage stamps	\$400.00
31	M. Du Perow	Electrical supplies	5.36
	L. S. Depue	Hay and oats	43.50
	J. Baumgarten & Sons	Facsimile stamps	1.50
	The Chesapeake and Potomac Telephone Co.	Relocating telephone	2.20
	W. B. Moses & Sons	Repairing chairs	1.35
	J. C. Parker	Fountain pen	2.50
	do	do	5.00
	do	Business atlas	7.50
	do	Fountain pen	9.00
Aug. 6	James B. Lambie Co. (Incorporated)	Library stepladder	2.75
	W. B. Moses & Sons	Leather screen	9.75
	do	Repairing couch	8.50
	John Moran	Pan	8.00
	E. E. Cole	Typewriters	253.50
	The Holtzer Cabot Electric Co.	Telephone testing set	16.00
	Acme Repair and Bicycle Co.	Repairing bicycle	3.00
	Charles W. Coggins	Iron safe	80.50
12	Clarke & Davenport	Carpet	80.34
15	Rudolph, West & Co.	Wire cloth	6.00
	do	Rope	2.00
	W. B. Moses & Sons	Table	11.45
	John C. Parker	Paper weights	3.30
	do	Repairing fountain pens	2.50
	G. E. Stechert	Publications	7.85
	United States Envelope Co.	Envelopes	7.65
	Library Bureau	Library cards	3.00
	Harvard Laundry	Washing towels	6.24
	The Herald Printing Co.	Advertising	13.20
	S. J. Small	do	3.55
24	G. E. Stechert	Publications	1.50
	do	English dictionary	1.05
	do	Publications	7.55
	W. B. Moses & Sons	Desk, chairs, hatrack, etc.	110.25
	do	Window shades	8.10
	do	Mirror	2.50
	do	Hatrack	15.00
	do	Recaning chairs	2.25
	L. S. Depue	Rye straw	13.50
	The Smith Premier Typewriter Co.	Repairing typewriter	1.00
	do	do	20.00
	John C. Parker	Atlas	7.50
24	do	Paper	1.82
	Manhattan Electrical Supply Co.	Ceiling fan	17.50
	Woodward & Lothrop	Clock and muslin	22.50
	Lutz & Co.	Hoof dressing	25.20
Sept. 9	E. A. Smith	Advertising	1.90
15	American Ice Co.	Ice	38.34
	Woodward & Lothrop	Water cooler	21.25
	do	Matting, water cooler and stand	43.50
	National Electrical Supply Co.	Electric fan	8.50
	Lamb & Tilden	Rubber stamps	14.52
	John C. Parker	Address books	3.00
	James B. Lambie Co. (Incorporated)	Night latch	3.50
	Leidy S. Depue	Hay and oats	43.50
22	G. E. Stechert	Publications	2.80
	L. S. Depue	Hay	14.25
	Harvard Laundry Co.	Laundrying towels	7.25
	American Ice Co.	Ice	31.05
	M. Du Perow	Telephone and wire	41.00
	Total first quarter		1,537.57
Oct. 12	Library Bureau	Office furniture	328.80
	do	Library cards	75.90
	Francis Miller	Glass	1.60
	S. J. Meeks' Sons	Repairing wagon	41.50
	Yawman & Erbe Manufacturing Co.	File case	62.25
	Hugh Reilly	Oil	1.50
	The Chesapeake and Potomac Telephone Co.	Moving telephone	8.00
	Church & Stephenson	Lumber	231.04
	United States Express Co.	Express charges	17.20
	James B. Lambie Co. (Incorporated)	Tools	4.64
	John C. Parker	Gum labels	2.00
	do	do	1.50
	do	File holder	2.00
	W. B. Moses & Sons	Nosings, etc.	2.85
	Lamb & Tilden	Rubber stamps	1.75
	United States Envelope Co.	Envelopes	15.60
	Mackall Bros	Combs	4.50
	L. S. Depue	Oats and straw	38.25

350 EXPENDITURES IN DEPARTMENT OF AGRICULTURE.

Expenditures of the Department of Agriculture for fiscal year ending June 30, 1904—Cont'd.

CONTINGENT EXPENSES, WEATHER BUREAU—Continued.

Date.	Name.	Nature of payment.	Total.
1903. Oct. 24	Lamb & Tilden.....	Rack.....	\$4.23
	John C. Parker.....	Part for letterpress.....	4.50
	James B. Lambie Co. (Incorporated)	Carpenter's tools.....	5.04
	M. Du Perow.....	Brushes, springs, etc.....	14.92
	Burrell's Press Clipping Bureau.....	Press clippings.....	9.08
	Dulin & Martin Co.....	Shipping baskets.....	2.55
	American Ice Co.....	Ice.....	21.88
	Martin Weigand.....	File case.....	127.00
	Library Bureau.....	Guides.....	13.50
	United States Express Co.....	Express charges.....	1.10
31	Church & Stephenson.....	Lumber.....	40.40
	The Smith Premier Typewriter Co.....	Repairs to typewriter.....	8.50
	The Chesapeake and Potomac Telephone Co.....	Telephone service.....	121.25
	.....do.....	Services.....	2.75
	Harvard Laundry Co.....	Laundering.....	5.77
	R. McReynolds Sons.....	Carriage repairs.....	10.00
	Lutz & Co.....	Harness.....	14.25
Nov. 19	G. E. Stechert.....	Library books.....	1.50
	Harvard Laundry Co.....	Laundering towels.....	3.22
	American Ice Co.....	Ice.....	14.03
	Wurdeman & Co.....	Desks and chairs.....	311.00
	Capital Traction Co.....	Street car tickets.....	20.00
	Wm. Ballantyne & Sons.....	Blackboard.....	11.20
	John C. Parker.....	Carbon paper.....	3.00
	.....do.....	Repairing fountain pen.....	2.50
	Lamb & Tilden.....	Numbering machine.....	13.72
	Lutz & Co.....	Bridle and repairing tug.....	3.00
	.....do.....	Soap.....	1.95
	United States Express Co.....	Express charges.....	6.40
	Francis Miller.....	Resetting glaziers' diamonds.....	5.00
	Leidy S. Depue.....	Hay and straw.....	18.75
24	Lutz & Co.....	Bridle bit.....	1.25
	S. J. Meeks' Sons.....	Wagon.....	128.00
	F. A. Schmidt.....	Celluloid sheets.....	4.60
	G. E. Stechert.....	Dictionary.....	1.05
	Wm. Ballantyne & Sons.....	Hann's Climatology.....	28.32
	Lamb & Tilden.....	Self-inking stamp.....	3.85
	Remington Typewriter Co.....	Typewriter.....	92.25
	Library Bureau.....	Cards.....	3.80
	Lutz & Co.....	Repairs to harness.....	2.30
	Leidy S. Depue.....	Hay.....	14.25
30	Adams Express Co.....	Express charges.....	12.40
	.....do.....	.....do.....	13.50
	John Moran.....	Rat trap.....	.90
	W. B. Moses & Sons.....	Repairing chair.....	2.80
	R. McReynolds Sons.....	Repairing carriage.....	2.50
	Wurdeman & Co.....	Paneling desk.....	123.75
	Adams Express Co.....	Express charges.....	6.70
Dec. 5	J. G. Fagan.....	Soda.....	1.00
	R. McReynolds Sons.....	Shafts.....	10.00
	.....do.....	Repairs to carriage.....	97.00
14	Leidy S. Depue.....	Oats.....	45.75
	.....do.....	.....do.....	22.50
	Louis Hartig.....	Horseshoes.....	4.10
	.....do.....	Hardware.....	37.78
	M. G. Copeland Co.....	Awnings.....	111.25
22	Library Bureau.....	Cards.....	20.00
31	Geo. F. Muth & Co.....	Turpentine, white lead, etc.....	17.89
	Barber & Ross.....	Fire screen.....	7.25
	John C. Parker.....	File.....	.70
	Rudolph, West & Co.....	Garbage can.....	1.60
	W. B. Moses & Sons.....	Seat pads.....	12.00
	.....do.....	Shade pulls.....	2.00
	James B. Lambie Co. (Incorporated)	Brass spigots.....	1.70
	American Writing Machine Co.....	Platens.....	5.85
	Woodward & Lothrop.....	Rugs, etc.....	20.50
	Lutz & Co.....	Brushes.....	1.50
	United States Express Co.....	Express charges.....	1.60
	.....do.....	.....do.....	6.95
	Adams Express Co.....	.....do.....	4.20
	S. J. Meeks Sons.....	Repairing sign.....	8.75
	J. T. Thomson.....	Embossing paper and envelopes.....	9.66
	American Ice Co.....	Ice.....	10.76
	Clark & Davenport.....	Carpet.....	162.90
	Louis Hartig.....	Frost nails.....	1.31
	Acme Repairs and Bicycle Co.....	Repairing bicycle.....	1.00
	R. P. Clarke Co.....	Horse brushes.....	2.48
	Albert Kahlert & Co.....	Repairing and laying carpet.....	20.87
	Total second quarter.....		2,759.04



Expenditures of the Department of Agriculture for fiscal year ending June 30, 1904—Cont'd.

## CONTINGENT EXPENSES, WEATHER BUREAU—Continued.

Date.	Name.	Nature of payment.	Total.
1904.			
Jan. 11	Yawman & Erbe Manufacturing Co. ....	Files, etc. ....	\$3.60
18	Franklin & Co. ....	Reading glass .....	5.50
	W. G. Duckett .....	Arnica, etc. ....	2.35
	Harvard Laundry Co. ....	Washing towels .....	6.41
	Capital Traction Co. ....	Street-car tickets .....	20.00
	Burrell's Press Clipping Bureau. ....	Press clippings .....	7.92
23	James B. Lambie Co. (Incorporated) .....	Garbage cans .....	2.80
	M. Wiegand .....	Lumber .....	66.90
31	James B. Lambie Co. (Incorporated) .....	Iron, etc. ....	2.70
	John C. Parker .....	Paper .....	7.50
	W. B. Moses & Sons .....	Chair .....	1.65
	Lutz & Co. ....	Carriage reins .....	7.00
	Wm. Ballantyne & Sons .....	Blackboard .....	6.75
	L. S. Depue .....	Oats and straw .....	36.00
	do .....	Hay .....	14.25
	do .....	do .....	14.25
	Rudolph, West & Co. ....	Oil .....	10.00
	John Hansen .....	Repairs to carriage .....	1.50
	The Smithsonian Institution .....	Transportation of exchanges .....	72.53
	American Ice Co. ....	Ice .....	10.38
	The Chesapeake and Potomac Telephone Co. ....	Telephone services .....	120.62
	Midgett Novelty Co. ....	Stapling machine and staples .....	9.25
	Louis Hartig .....	Horseshoes, etc. ....	6.65
	The Andrew J. Joyce Carriage Co. ....	Repairing carriage .....	2.00
	W. B. Moses & Sons .....	Repairing chair .....	2.10
Feb. 4	Harvard Laundry Co. ....	Laundering towels .....	6.23
10	S. J. Meeks Sons .....	Repairing wagon .....	59.95
13	John Moran .....	Sewer connections .....	10.90
	American Ice Co. ....	Ice .....	8.50
	John C. Parker .....	Directories .....	15.00
18	The Chesapeake and Potomac Telephone Co. ....	Relocating telephones .....	10.00
23	Capital Traction Co. ....	Street-car tickets .....	20.00
	Harvard Laundry Co. ....	Laundering towels .....	5.63
	Lamb & Tilden .....	Rubber stamps .....	3.22
29	J. Baumgarten & Sons .....	Repairing dating stamp .....	1.25
	do .....	Dating stamp .....	2.50
	John Moran .....	Repairing filter, etc. ....	2.25
	do .....	Rat traps .....	4.80
	L. S. Depue .....	Oats .....	27.00
	do .....	Hay and straw .....	23.25
	Clark & Davenport .....	Carpet and lining .....	45.57
	do .....	Linoleum .....	23.62
	Woodward & Lothrop .....	Carpet sweepers .....	4.50
	Lamb & Tilden .....	Hand stamps .....	2.00
	Library Bureau .....	Typewriter stand .....	5.75
	James B. Lambie Co. (Incorporated) .....	Stall-guard .....	6.80
	do .....	Steel-wire .....	1.63
	Rudolph, West & Co. ....	Hinges, locks, etc. ....	15.87
	W. B. Moses & Sons .....	Nosings and repairing chair .....	43.70
	Hugh Reilly .....	Enamel .....	3.00
	Adams Express Co. ....	Express charges .....	.50
	The M. Lindsay Rubber Co. ....	Rubber buckets .....	9.00
	United States Express Co. ....	Express charges .....	6.65
	Adams Express Co. ....	do .....	8.70
11	R. McReynolds Sons .....	Repairing carriage .....	1.00
	John Lynch .....	Horseshoes .....	1.00
	Adams Express Co. ....	Express charges .....	4.75
	Library Bureau .....	Parts for file case, etc. ....	13.00
	S. J. Venable .....	Chart frames .....	16.50
23	Church & Stephenson .....	Lumber .....	50.87
	American Ice Co. ....	Ice .....	9.03
	D. Frank Parker .....	Ink and paste .....	5.10
	W. H. Lowdermilk & Co. ....	Geography of plants .....	9.00
	Lutz & Co. ....	Repairing harness .....	3.50
	L. S. Depue .....	Oats and hay .....	41.25
	Clark & Davenport .....	Rugs .....	52.00
	United States Express Co. ....	Express charges .....	3.95
	Remington Typewriter Co. ....	Repairing typewriter .....	.80
	do .....	do .....	28.10
	The Smith Premier Typewriter Co. ....	do .....	8.30
	James B. Lambie Co. (Incorporated) .....	Drill bits .....	1.65
	do .....	Door spring, etc. ....	6.05
	Woodward & Lothrop .....	Stools, stands, etc. ....	68.78
	Postmaster, Washington, D. C. ....	Postage stamps .....	256.00
	Blue Line Transfer Co. ....	Express charges .....	.88
	Harvard Laundry Co. ....	Washing towels .....	6.41
	The M. Lindsay Rubber Co. ....	Rubber mats .....	5.40
	Remington Typewriter Co. ....	Repairing typewriter .....	6.50
	W. B. Moses & Sons .....	Window shades .....	3.20
	Total third quarter .....		1,421.40

Expenditures of the Department of Agriculture for fiscal year ending June 30, 1904—Cont'd.

## CONTINGENT EXPENSES, WEATHER BUREAU—Continued.

Date.	Name.	Nature of payment.	Total.
1904.			
Apr. 8	L. S. Depue.....	Straw.....	\$9.00
	C. R. Edmonston.....	Filter tubes.....	12.60
15	G. E. Stechert.....	Publications.....	.15
	.....do.....	.....do.....	\$1.02
23	Burrell's Press Clipping Bureau.....	Press clippings.....	12.84
	G. E. Stechert.....	Publications.....	3.98
30	Geo. F. Muth & Co.....	Drier.....	1.05
	.....do.....	Oil and turpentine.....	6.64
	United States Express Co.....	Express charges.....	1.25
	American Ice Co.....	Ice.....	12.65
	Library Bureau.....	Table.....	35.00
	L. S. Depue.....	Hay.....	14.25
	Albert Kahlert & Co.....	Cleaning carpet.....	.88
	Remington Typewriter Co.....	Repairing typewriter.....	16.25
	S. J. Meeks Sons.....	Repairing wagon.....	18.00
	O. C. Strawn.....	Lights, reflectors, etc.....	10.25
	Harvard Laundry Co.....	Laundering towels.....	6.74
	F. A. Schmidt.....	Crayons.....	1.00
	John Lynch.....	Horseshoes, etc.....	5.00
	James B. Lambie Co. (Incorporated).....	Tacks.....	.70
	.....do.....	Keys, key rings, etc.....	9.35
	.....do.....	Latch, screws, etc.....	2.95
	Francis Miller.....	Oil.....	2.30
	James Linsley & Sons.....	Repairing furniture.....	14.00
	Woodward & Lothrop.....	Water cooler and stand.....	11.60
	Lamb & Tilden.....	Rubber stamps.....	1.29
	.....do.....	Self-inking stamp.....	3.00
	Lutz & Co.....	Storm covers.....	10.50
	Swayze, Bailey & Co.....	Fountain pen.....	5.00
	Estate of John C. Parker.....	Repairing fountain pen.....	1.75
	J. H. Bunnell & Co.....	Telegraph keys.....	8.10
May 5	San Francisco Examiner.....	Advertising.....	12.75
	O. C. Strawn.....	Parts for lights.....	1.80
11	John Lynch.....	Horseshoes.....	1.50
	The New York Times Co.....	Advertising.....	35.20
	L. S. Depue.....	Oats.....	27.00
	.....do.....	Hay.....	9.50
	The Chesapeake and Potomac Telephone Co.....	Telephone services.....	119.10
	C. Becker.....	Harness.....	92.00
	J. Baumgarten & Sons.....	Repairing Champion self-inker.....	.75
	W. B. Moses & Sons.....	Window shades.....	6.00
	.....do.....	Repairing chair.....	2.85
	Delano & Moore.....	Paper.....	2.90
	.....do.....	.....do.....	3.20
	John Moran.....	Chains, hoe, and rake.....	1.85
	Woodward & Lothrop.....	Umbrella stand.....	1.25
	Lamb & Tilden.....	Autograph stamp.....	1.25
17	Capital Traction Co.....	Street-car tickets.....	20.00
	American Ice Co.....	Ice.....	12.18
21	Harvard Laundry Co.....	Laundering towels.....	5.61
	R. McReynolds Sons.....	Repairing carriage.....	1.75
	Underwood Typewriter Co.....	Repairs for typewriter.....	2.50
	W. G. Duckett.....	Dusting powder.....	1.40
	James B. Lambie Co. (Incorporated).....	Feed trough.....	2.25
	.....do.....	Hooks and plates.....	3.20
	J. Baumgarten & Sons.....	Repairing dating machine.....	1.25
31	Wm. Nordhoff.....	Repairing clock.....	3.00
	W. B. Moses & Sons.....	Chairs and mirror.....	19.50
June 3	John Moran.....	Chains.....	1.00
	Church & Stephenson.....	Shelving.....	4.00
	.....do.....	Lumber.....	157.70
	L. S. Depue.....	Hay and straw.....	18.50
	.....do.....	Hay.....	.95
	J. B. Lambie Co. (Incorporated).....	Tag holders.....	1.50
	W. B. Moses & Sons.....	Repairing chair.....	1.65
	Delano & Moore.....	Photographic supplies.....	7.75
	Lutz & Co.....	Traces, etc.....	7.75
	S. J. Meeks Sons.....	Repairing wagon.....	2.50
9	G. E. Stechert.....	Newspaper directory.....	9.75
15	J. B. Lambie Co. (Incorporated).....	Keys, lock, etc.....	4.45
	Delano & Moore.....	Photographic supplies.....	7.09
	Fred B. Miller & Bro.....	Adjusting scales.....	8.00
	L. S. Depue.....	Oats.....	27.00
	W. B. Moses & Sons.....	Table.....	15.00
	Louis Hartig.....	Horseshoe pads.....	10.10
	C. M. Wolf & Co.....	Push cart.....	6.50
	G. E. Stechert.....	Publication.....	1.50
	.....do.....	Publications.....	1.60
	Adams Express Co.....	Express charges.....	16.40

Expenditures of the Department of Agriculture for fiscal year ending June 30, 1904—Cont'd.

## CONTINGENT EXPENSES, WEATHER BUREAU—Continued.

Date.	Name.	Nature of payment.	Total.
1904.			
June 22	Harvard Laundry	Laundrying towels	\$7.18
30	National Railway Publication Co.	Official guide	8.00
	Remington Typewriter Co.	Adjusting typewriter	17.60
	American Ice Co.	Ice	16.09
	Manhattan Electrical Supply Co.	Electric ceiling fan	17.50
	Total fourth quarter		1,087.69
	<i>Supplemental.</i>		
July 7	Lutz & Co.	Repairing harness	2.25
	The Oklahoma Publishing Co.	Advertising	3.80
12	Lamb & Tilden	Rubber stamps	7.06
	United States Express Co.	Express charges	6.35
	do.	do.	7.65
	Adams Express Co.	do.	7.00
15	M. P. Harvey	Carriage covers	4.00
20	Peoria Star Co.	Advertising	8.64
	Herald Transcript Co.	do.	4.62
	L. S. Depue	Hay	9.50
	G. E. Stechert	Publications	9.45
	Rudolph, West & Co.	Bronze letters	2.50
	Remington Typewriter Co.	Repairing typewriter	16.75
31	F. H. Greer	Advertising	12.60
	Daily Journal Co.	do.	6.00
	J. B. Lambie Co. (Incorporated)	Tag holders	2.40
	G. E. Stechert	Publications	1.30
	American Ice Co.	Ice	21.27
	Adams Express Co.	Express charges	13.90
Aug. 5	J. B. Taltavall	Word counter	3.00
	M. Weigand	Cherry case	29.00
	R. C. Ballantyne	Record books	40.00
	Lutz & Co.	Carriage curtain	2.25
	T. A. Schmidt	Paper	10.00
	W. B. Moses & Sons	Repairing chair	1.55
	Delano & Moore	Photographic supplies	10.11
11	W. B. Moses & Sons	Ring pulls	3.60
	United States Express Co.	Express charges	4.25
	The Chesapeake and Potomac Telephone Co.	Telephone services	119.50
	M. G. Copeland Co.	Awning and awning covers	19.35
	J. B. Lambie Co. (Incorporated)	Miter machine and box	24.60
	Harvard Laundry Co.	Laundrying towels	6.94
	J. B. Lambie Co. (Incorporated)	Saw blades	1.00
	Library Bureau	Index tags	4.50
	Delano & Moore	Materials for repairing instruments	4.49
Sept. 21	Yawman & Erbe Manufacturing Co.	Filing cabinet	115.00
	Burrell's Press Clipping Bureau	Press clippings	13.44
	Yawman & Erbe Manufacturing Co.	Correspondence section	12.50
	U. S. Express Co.	Express charges	18.47
	Total supplemental		590.59

## RECAPITULATION.

First quarter	\$1,537.57
Second quarter	2,759.04
Third quarter	1,421.40
Fourth quarter	1,087.69
Supplemental	590.59
Total	7,396.29

## WEATHER BUREAU, GENERAL EXPENSES.

Date.	Name.	Nature of payment.	Total.
1903.			
July 31	J. J. Doak	Erecting instrument shelter	\$7.00
	E. M. Cherry	Painting instrument shelter	10.00
	J. P. Friez	Wind vanes	214.50
	do.	Parts of instruments	73.50
	R. Rollins	Photographs	1.40
	G. F. Muth & Co.	Clock oil and lye	31.68
	C. R. Edmonston	Glasses	13.20
	J. C. Entwistle	Engraving rain chart	10.00



Expenditures of the Department of Agriculture for fiscal year ending June 30, 1904—Cont'd.

## WEATHER BUREAU, GENERAL EXPENSES—Continued.

Date.	Name.	Nature of payment.	Total.
1903. July 31	J. L. Bartlett	Traveling expenses	\$10.80
	R. L. Miller	do	4.50
	H. F. Fugitt	do	8.50
	John Underwood & Co.	Carbon paper	94.50
	do	Paper	180.50
	James B. Lambie Co. (Incorporated)	Cast steel	15.00
	Otto Martin & Co.	Hames, scraper, etc	12.30
	E. Faber	Lead pencils	55.25
	Yates & Co.	Oil	2.45
	F. L. Hartenstein	Repairing clock	2.00
	R. D. Harvey	Painting instrument shelter	18.50
	Polks Seattle Directory Co.	City Directory	6.00
	American Writing Machine Co.	Changing typewriter	19.50
	William H. Rupp Co.	Ink	66.00
	A. Zappone	Traveling expenses	8.99
	H. C. Frankenfield	do	21.30
	R. P. Clarke Co.	Towels	46.80
	Edward Mullin	White rags	14.00
	Portland, substations	Pay roll	10.51
	D. Cuthbertson	Traveling expenses	41.83
	O. L. Blue	do	23.05
	A. C. Pickels	do	12.60
	F. Humberts Sons	Wardrobe	14.50
	G. E. Stechert	Wireless telegraphy apparatus	1.90
	American Type Founders Co.	Glue	6.36
	R. Hagerty	Wood	24.00
	E. F. Droop & Sons	Passenger transportation	218.50
	B. F. Larcombe et al.	Pay roll, printing office	2,483.60
	B. Bunnemeyer	Travrage	.75
	James B. Lambie Co. (Incorporated)	Cotton waste	54.64
	do	Screw drivers	8.70
	John C. Parker	Paper, etc.	73.52
	do	Sectional bookcase	15.00
	W. B. Moses & Sons	Chair and bookcase	22.36
	S. L. Doshier	Traveling expenses	5.45
	A. J. Davis	do	15.25
	H. C. Hunter	do	2.35
J. R. Glenn	do	3.35	
A. H. Thiessen	do	70.55	
J. M. Watson	do	1.00	
J. P. Friez	Instruments	2,357.50	
do	Supports for instruments	85.00	
do	Barometer boxes	90.00	
Eimer & Amend	Induction coil	15.00	
do	Air pump	20.00	
F. A. Schmidt	Sealing wax	3.75	
do	Ruling pens	7.50	
E. Faber	Rubber bands	135.01	
do	do	69.12	
Rudolph, West & Co.	Halyards, etc	50.26	
The J. C. Ergood Co.	Stove polish	5.50	
American Writing Machine Co.	Repairing typewriter	17.00	
W. H. Dyer	Sawdust	1.75	
The Smith Premier Typewriter Co.	Typewriter cabinet	42.50	
M. Du Perow	Office wire	21.60	
F. E. Hamel Rope Co.	Wire rope	3.85	
Barber & Ross	Buckets	14.32	
George Abbott, jr.	Painting instrument shelter	5.00	
M. M. Latta	Office rent	25.00	
Remington Typewriter Co.	Repairing typewriter	7.00	
C. E. French & Co.	Silver sand	3.00	
The Hoggson Pettis Manufacturing Co.	Copying bath	57.00	
Lamb & Tilden	Pad ink	54.00	
J. P. Nawrath	Tape	36.48	
C. Fisher	Constructing platform	6.00	
The Port Royal Dock Co.	Coal	98.00	
Freed Furniture and Carpet Co.	Wardrobe	32.00	
J. M. Wood	Ink and mucilage	3.00	
A. B. Dick	Oil tissue paper	2.40	
Great Western Smelting and Repairing Co.	Stereotype metal	6.96	
National Electrical Supply Co.	Switch board	6.75	
Wild & Stevens	Gordon rollers	2.55	
Z. C. Miles & Piper Co.	Glass battery jars	3.20	
C. F. Artes	Repairing clock	1.50	
J. R. Nye	Mirror	2.50	
Milwaukee Printers Roller Co.	Recasting rollers	3.00	
The R. H. Williams Co.	Leather belt	1.18	
G. Forsberg	Repairing desk	.75	
Eastland Bros.	Repairing instrument shelter	5.00	

Expenditures of the Department of Agriculture for fiscal year ending June 30, 1904—Cont'd.

WEATHER BUREAU, GENERAL EXPENSES—Continued.

Date.	Name.	Nature of payment.	Total.
1903. Aug. 6	J. R. Mitcham.....	Painting instrument shelter.....	\$6.00
	B. T. Lund & Co.....	Oil.....	18.40
	J. E. Miller & Son.....	Installing storm lanterns.....	10.00
	D. F. Balton & Co.....	Repairing roof apparatus.....	11.00
	J. G. Zane.....	Running levels.....	4.00
	The Waterbury Battery Co.....	Battery recharges.....	875.00
	J. P. Nawrath.....	Sponges.....	30.87
	D. C. Paper Manufacturing Co.....	Blotting paper.....	89.10
	Standard Oil Co.....	Oil.....	8.70
	Yawman & Erbe Manufacturing Co.....	File case.....	50.00
12	E. H. Emery.....	Dictionary holder, etc.....	21.60
	M. G. Roves.....	Office rent.....	40.00
	C. Sevilla.....	Services.....	5.00
	R. B. Smith.....	Repairing river gage.....	4.50
	W. J. Reid.....	Shelving in storeroom.....	29.00
	J. G. Piodela.....	Boat rent.....	6.00
	R. Tyler.....	Printing climate and crop reports.....	10.00
	Addressograph Co.....	Addressograph supplies.....	3.97
	Western Telephone Manufacturing Co.....	Telephones.....	19.00
	O. W. Morey.....	Cleaning clock.....	1.00
	E. D. Beattie.....	Printing climate and crop bulletins.....	36.00
	M. Werner.....	Painting instrument shelter.....	12.50
Cooley Bros.....	Repairing apparatus, etc.....	12.00	
J. Willis, jr.....	Bed springs, mattress and pillows.....	23.00	
	G. J. Proescher.....	White lead.....	1.60
	F. Miller.....	Turpentine.....	29.70
	Brown, Curtis & Brown.....	Oak screen.....	6.00
	H. D. Feast & Co.....	Telescope.....	62.50
	D. Frank Parker.....	Neostyle ink.....	2.25
	The Western Electric Installing Co.....	Ammeter.....	65.00
	Z. D. Gilman.....	Rubber tubing.....	3.36
	C. E. Johnson & Co.....	Printing materials.....	165.75
	A. Fairservice & Co.....	Oil, brooms, etc.....	9.50
	R. L. Polk & Co. and R. L. Dudley.....	Pittsburg City Directory.....	8.00
	Maurice Joyce Engraving Co.....	Photo engraving plates.....	16.45
	Crosby Transportation Co.....	Passenger transportation.....	2.75
	E. R. Miller.....	Traveling expenses.....	7.50
15	Rudolph West & Co.....	Nails.....	17.01
	do.....	Mop handles.....	5.85
	do.....	Floor brushes.....	8.34
	W. B. Moses & Sons.....	Table.....	15.25
	J. C. Parker.....	Toilet paper.....	37.50
	J. Semer.....	Office rent.....	7.26
	H. C. Cooke.....	Traveling expenses.....	63.10
	New York, substations.....	Pay roll.....	35.00
	American Type Founders Co.....	Printing supplies.....	.40
	Maurice Joyce Engraving Co.....	do.....	29.17
	J. B. Taylor.....	Repairing typewriter.....	3.50
	L. E. Beard.....	Services.....	6.20
J. Lang.....	Repairing telegraph line.....	5.00	
Alabama, Mississippi, and Tennessee Telephone Co.....	Telephone services.....	6.50	
F. Miller.....	Glass.....	.66	
C. M. Coffin.....	Taking down wind vane.....	5.00	
Freed Furniture and Carpet Co.....	Water cooler stand.....	6.50	
A. R. Holderby, jr.....	Stereotype metal.....	4.57	
D. Pender Grocery Co.....	Brooms.....	4.20	
A. R. Taylor & Co.....	Repairing typewriter.....	1.50	
Underwood Typewriter Co.....	Typewriter, etc.....	92.00	
Schneider Bros.....	Anemometer cups.....	50.00	
J. H. Thiemeyer.....	Boxes.....	88.10	
Willson Office Supply Co.....	Ink and mucilage.....	3.00	
Southern Printers Supply Co.....	Composing stick.....	7.77	
Thos. Somerville & Sons.....	Brackets.....	6.10	
Lutz & Co.....	Saddle and bridle.....	35.00	
American Type Founders Co.....	Composing sticks.....	9.04	
E. B. McDonald.....	Lightning arrester.....	5.00	
C. W. Austin.....	Stove.....	25.00	
Chippewa Hardware Co.....	Hose.....	9.92	
Standard Oil Co.....	Oil.....	12.25	
L. F. Willoughby.....	Recasting rollers.....	3.40	
E. H. Emery.....	Publication.....	20.00	
American Writing Machine Co.....	Typewriter.....	72.25	
American News Co.....	Binders, clips, etc.....	60.60	
The American Pneumatic Carpet Cleaning Co.....	Cleaning carpet.....	16.80	
The Pain Manufacturing Co.....	Rockets.....	63.00	
Smith Premier Typewriter Co.....	Brushes.....	12.06	
International Broom Co.....	Brooms.....	16.50	

Expenditures of the Department of Agriculture for fiscal year ending June 30, 1904—Cont'd.

## WEATHER BUREAU, GENERAL EXPENSES—Continued.

Date.	Name.	Nature of payment.	Total.
1903.			
Aug. 15	Cuba and Pan-American Express Co.....	Moving office furniture.....	\$4.00
	Densmore Typewriter Co.....	Repairing typewriter.....	6.95
	The King Hardware Co.....	Water cooler.....	7.00
	Seth Thomas Clock Co.....	Clock.....	8.00
	J. E. Turton.....	Instrument shelters.....	250.00
	A. Midgett.....	Wood.....	5.00
	J. H. Thiemeier.....	Boxes.....	196.75
	Faneuil Watch Tool Co.....	Translation gears.....	4.45
	Lamb & Tilden.....	Rubber stamps.....	2.70
24	A. Zappone.....	Traveling expenses.....	9.90
	W. B. Moses & Sons.....	Mats.....	32.22
	R. C. Ballantyne.....	Paper.....	77.49
	J. B. Espey.....	Tool chest and tools.....	45.15
	John Moran.....	Charcoal.....	1.00
	Rudolph, West & Co.....	Buckets.....	7.92
	M. DuPerow.....	Batteries.....	447.50
	J. B. Lambie Co. (Incorporated).....	Wagon jack.....	4.00
	.....do.....	Casters and chuck.....	21.50
	Clarke & Davenport.....	Carpet.....	59.38
	Underwood Typewriter Co.....	Typewriter.....	87.50
	Edward Mullin.....	White rags.....	14.00
	J. C. Entwistle.....	Engraving rain chart.....	10.00
	G. F. Muth.....	Oil.....	.75
	Lutz & Co.....	Harness.....	50.00
	P. H. Heiskell, jr., & Co.....	Wagon.....	54.00
	C. R. Edmonston.....	Cuspidors and buckets.....	16.58
	E. J. Pullman.....	Films.....	5.40
	Mackall Bros.....	Soap.....	41.67
	J. W. Jordan & Co.....	Recasting rollers.....	1.72
	Queen & Co. (Incorporated).....	Alcohol.....	5.00
	.....do.....	Measuring sticks.....	90.00
	The American News Co.....	Brushes.....	8.58
	Coston Signal Co.....	Brushes.....	33.00
	Geo. Meier & Co.....	Answering signals.....	1.60
	C. E. Johnson & Co.....	Gum arabic.....	1.00
	O. J. Maigue.....	Ink.....	820.00
	Yawman Erbe Manufacturing Co.....	Recasting rollers.....	22.96
	P. D. Clack.....	File case.....	50.00
	R. L. Polk & Co.....	Drayage.....	.75
	M. F. Kalmbach.....	Wisconsin Gazetteer.....	6.00
	Treman, King & Co.....	Wiring tower.....	46.79
	J. Sly.....	Water cooler.....	3.50
	The King Hardware and Stove Co.....	Wood.....	20.00
	J. R. Wyss.....	Stepladder.....	2.50
	P. Lindemeyer.....	Repairing wind vane.....	3.50
	Trenchard & Harrington Furniture and Car- pet Co.....	Paste.....	130.00
	.....do.....	Mirror.....	10.00
	C. Peterson.....	Oil and brooms.....	11.00
	M. A. Adsett.....	Repairing typewriter.....	4.59
	A. Gamewell Lamonte.....	Running levels.....	5.00
	Rigby & Wilson.....	Water cooler.....	7.50
	A. G. White.....	Repairing typewriter.....	4.00
	Boulton, Bliss & Dallett.....	Passenger transportation.....	40.00
	.....do.....	.....do.....	40.00
	Southern Rwy Co.....	.....do.....	16.55
	San Antonio and Aransas Pass Rwy. Co.....	.....do.....	18.00
	Jacksonville and St. Johns Bar Telegraph line.....	Telegraph services.....	6.25
	A. Brand.....	Traveling expenses.....	19.20
	C. C. Cooper.....	.....do.....	13.00
	E. H. Bowie.....	.....do.....	14.25
	D. J. Brown.....	.....do.....	5.60
	F. Diggs.....	.....do.....	6.00
	J. Warren Smith.....	.....do.....	48.70
	E. B. Calvert.....	.....do.....	38.30
	Home Telephone Co.....	Telegraph services.....	10.40
	Rising Sun Telegraph Line.....	.....do.....	2.60
	D. F. Parker.....	Paper, ink, pads, etc.....	3,416.00
	J. C. Parker.....	Paper.....	1,062.77
	.....do.....	Bookcase.....	15.00
	J. P. Nawrath.....	Twine.....	28.39
	American Writing Machine Co.....	Typewriters.....	216.75
	Norfolk and Washington, D. C., Steamboat Co.....	Passenger transportation.....	3.00
	Seaboard Air Line Rwy.....	.....do.....	13.75
	Central R. R. Co. of New Jersey.....	.....do.....	6.50
	Michigan Central R. R. Co.....	.....do.....	5.00
	F. H. Bigelow.....	Traveling expenses.....	14.10
	B. A. Blundon.....	.....do.....	38.71



Expenditures of the Department of Agriculture for fiscal year ending June 30, 1904—Cont'd.

## WEATHER BUREAU, GENERAL EXPENSES—Continued.

Date.	Name.	Nature of payment.	Total.
1903.			
Aug. 24	H. C. Cooke	Subsistence	\$22.88
	.....do	Station expenses	7.15
	B. D. Johnson	Services	20.00
	W. T. Lathrop	Subsistence	26.67
	Littlefield, Alvord & Co.	Drayage	36.98
	Chapin & Simpson	Horse hire	11.00
	Remington Typewriter Co.	Repairing typewriter	13.75
	R. Carter Ballantyne	Envelopes	27.00
	Keystone Type Foundry	Type	.68
	Woodward & Lothrop	Desk, chairs, etc.	144.08
	Lutz & Co.	Brushes, halters, etc.	8.50
31	E. H. Hughes	Traveling expenses	5.10
	J. A. Balster	.....do	5.10
	W. L. Moore	.....do	48.30
	B. F. Larcombe et al.	Pay roll, printing office	2,471.59
	H. J. Cox	Traveling expenses	226.92
Sept. 3	C. H. Richardson	Subsistence	31.00
9	.....do	Traveling expenses	23.75
	W. A. Mitchell	.....do	4.90
	G. U. Harn, jr.	.....do	5.90
	W. H. Alexander	.....do	26.75
	C. F. Marvin	.....do	6.75
	R. L. Miller	.....do	4.60
	J. B. Marbury	.....do	9.75
	J. Bily, jr.	.....do	14.00
	L. H. Daingerfield	Drayage	.70
	B. C. Kadel	Subsistence	28.33
	J. J. O'Donnell	.....do	31.00
	Norfolk and Southern R. R. Co.	Passenger transportation	.30
	John Martin & Co.	Insulators, etc.	14.50
	Brooks-Follis Electrical Corporation	Wire and brushes	3.96
	Justinian Caire Co.	Mercury, etc.	4.05
	New York Belting and Packing Co. (Limited)	Leather belt	6.50
	Pacific Tool and Supply Co.	Wireless-telegraph supplies	28.28
	C. E. Parrott	Wood	20.00
	C. H. Glaser	Glass	13.05
	C. E. Johnson & Co.	Ink	115.00
	Kenffel & Esser Co.	.....do	1.00
	Yates & Co.	Oil	2.45
	J. R. Hobbs	Team hire	6.00
	Chicago Belting Co.	Belting	4.49
	L. H. Battles	Painting instrument shelter	21.45
	Vaughan & Morrill Co.	Ink and mucklage	4.00
	J. I. Holcomb Manufacturing Co.	Sweeps	27.75
	The American News Co.	Brushes	10.80
	Manhattan Electrical Supply Co.	Batteries and insulators	70.32
	Walter Scott & Co.	Repairing bolt	1.75
	Philip Lindemeyr	Duplicating rollers	45.00
	J. W. McCauley	Repairing river gauge	25.00
	Mt. Holly Paper Co.	Map paper	77.35
	M. G. Roves	Office rent	40.00
	T. M. Caldwell	Instruments, batteries, etc.	6.00
	Paul Seiler Electrical Works	Erecting telegraph wire	225.00
	Stephen Land	Lumber	15.00
	Hiller-Davis Printing Co.	Binding climate and crop reports	4.00
	E. D. Beattie	Printing climate and crop reports	36.00
	Georgetown Iron Works	Painting wind vane	7.00
	J. P. Kofod	Repairing water tank	8.00
	Holbrook, Merrill & Stetson	Brooms and stove grate	3.05
	M. M. Latta	Office rent	25.00
	Maddrey & Kenyon Furniture Co.	Hanging window shades, etc.	6.84
	E. A. Slack	Printing climate and crop reports	24.00
	J. A. Barber	Repairing instrument shelter	1.50
	F. McAllister	.....do	1.00
	Pacific States Type Foundry	Recasting rollers	2.80
	Yates & Co.	Benzine	1.10
	E. H. Bochner	Repairing typewriter	3.24
	R. Peacon	Oil, brooms, etc.	8.90
	R. Stone	Repairing instrument shelter	30.00
	The Crutsinger Roller Co.	Recasting rollers	4.00
	Alpena Electric Light Co.	Electric lamps	1.00
	C. R. Martin	Photographs	2.50
	F. L. Patenotte	Reeving halyards	5.00
	J. L. Lockhart	Lamp chimneys	.75
	Patterson Transfer Co.	Drayage	1.50
	J. C. Herkner	Repairing clock	1.00
	Goldberg, Bowen & Co.	Station supplies	1.75
	E. Bartlett	Grounding tower	3.90
	G. W. Taylor & Co.	Coal	126.00
	San Francisco Electrical Co.	Switches and coils	11.70

Expenditures of the Department of Agriculture for fiscal year ending June 30, 1904—Cont'd.

WEATHER BUREAU, GENERAL EXPENSES—Continued.

Date.	Name.	Nature of payment.	Total.
1903.			
Sept. 9	Yates & Co.	Oil.	\$10.80
	Robert Tyler	Printing climate and crop reports.	12.50
	Pacific States Telephone and Telegraph Co.	Batteries	2.16
	A. Midgett	Moving shelter	20.00
	S. H. Quint's Sons	Station supplies	11.52
	The Norris Peters Co.	Lithograph plate	12.00
	W. H. Shoupe	Installing electric lanterns	67.00
	C. Herrmann	Binding instructions	2.00
	Eagle Iron Works	Erecting tower	79.00
	W. M. Warren	Repairing rain and snow gauge	2.25
	A. R. Derge & Co.	Dictionary and stand	16.00
	Flood Furniture and Carpet Co.	Chair bottoms	1.20
	The Oregut Storage, Packing, and Moving Co.	Moving furniture	50.00
	J. H. McNamara	Portfolio	9.50
	W. G. Hutchison	Desk	5.80
	Ivie Watson Electrical Supply and Construction Co.	Electric globes	2.95
	Wagner Bros	Table	13.50
	American Type Founders Co.	Printing supplies	2.38
	Morrison Tent and Awning Co.	Awnings	40.00
	J. A. Howerton	Oil, brooms, etc.	24.10
	Trorlicht, Duncker & Renard	Rugs and linoleum	174.90
	J. H. Crane Furniture Co.	Bookcase	27.00
	W. H. Hoskins Co.	Ink	.60
	do.	Adding machine	5.00
	J. F. Conrad Grocer Co.	Gasoline	.85
	Alexander-Yost Co.	Wireless-telegraph supplies	29.87
	J. W. Strawn	Rugs	67.00
	C. Sevilla	Services	5.00
	H. B. Hersey	Traveling expenses	216.70
	J. J. Gray	do.	4.10
	T. F. Townsend	do.	9.00
	L. H. Daingerfield	do.	11.00
	M. W. Hayes	do.	28.95
	W. S. Belden	do.	31.00
	A. H. Thiessen	do.	18.10
	E. A. Evans	do.	15.60
	F. H. Duff	do.	6.00
	do.	do.	4.00
	H. E. Hobbs	Subsistence	24.00
	do.	Station expenses	8.62
	New York substations	Pay roll	35.00
	W. M. Wilson	Traveling expenses	6.37
	J. W. Smith	do.	6.55
	F. H. Brandenburg	do.	53.00
	F. W. Brist	do.	5.25
	J. H. Smith	do.	16.35
	W. E. Stewart	Services	12.40
15	Woodward & Lothrop	Rug and blankets	17.00
	do.	Desk, bed mattress, etc.	102.23
	do.	Millinet	1.37
	do.	Needles	.75
	National Electrical Supply Co.	Telephones	6.00
	F. A. Schmidt	Mucilage stands	37.50
	Lamb & Tilden	Rubber stamps, etc.	3.22
	do.	do.	1.08
	do.	do.	1.49
	do.	do.	1.02
	John C. Parker	Paper	1,257.00
	do.	Neostyle	50.00
	do.	Letterpress	74.34
	do.	Paper	39.00
	James B. Lambie Co. (Incorporated)	Wire and cloth	3.25
	do.	Crosscut saw	2.50
	L. S. Depue	Oats, hay, and straw	26.98
	The Typewriter Exchange	Repairing typewriter	6.50
	Grand Rapids Awning Co.	Awnings	17.50
	G. Middleton	Lettering doors	3.50
	Inland Type Foundry	Guide pins	1.18
	G. M. Fennerty	Lettering doors	7.00
	Lloyd & Smith	Oil can	2.00
	J. S. Sands & Co.	Oil and brooms	9.50
	W. H. Ranney	Recasting rollers	2.50
	C. N. Russell	Oil	1.40
	H. G. Turley	Installing wind vane, etc.	110.00
	California Electrical Works	Copper wire	325.20
	I. M. Watson	Repairing instrument shelter	1.00
	Alexander-Yost Co.	Oil, solder, etc.	6.60
	Electrical Supply and Construction Co.	Installing electric lanterns	20.00

Expenditures of the Department of Agriculture for fiscal year ending June 30, 1904—Cont'd.

## WEATHER BUREAU, GENERAL EXPENSES—Continued.

Date.	Name.	Nature of payment.	Total.
1903.			
Sept. 15	American Type Founders Co.	Type, etc.	\$16.91
	The Fred Macey Co. (Limited)	File case	149.20
	J. Lang	Repairing telegraph line	5.00
	F. R. Grout	Lettering door	2.00
	B. J. Sherry	Repairing telegraph line	3.40
	H. A. Poole	Horse hire	1.50
	W. W. Best	Repairing telegraph line	3.50
	do.	Pump and glass	9.28
	American Type Founders Co.	Printing supplies	77.10
	W. W. Best	Painting instrument shelter	2.00
	Arnold & Weatherbee Co.	Repairing cable	4.95
	E. Erickson	Altering carpet	5.00
	Myer Bros.	Drayage	2.00
	H. D. Feast & Co.	Field glass	15.00
	Central of Georgia R. R. Co.	Passenger transportation	5.28
	J. & C. N. Thomas	Cleaning clock	1.00
	The Richmond & Backus Co.	Binding maps	20.00
	C. F. Barnes	Repairing telegraph line	2.00
	H. Leonard & Sons	Office furniture	18.07
	W. N. Tillett	Horse hire	2.00
	Southern Electrical Co.	Repairing electric motor	2.00
	A. Midget	Wood	18.75
	Morrison, Merrill & Co.	Lumber	5.60
	St. Louis Transfer Co.	Drayage	1.68
	Forsberg & Murray	Grate bars	27.00
	Rudolph, West & Co.	Staples and tacks	9.91
	Pittsburg, Cincinnati, Chicago and St. Louis Rwy. Co.	Passenger transportation	3.50
	Boston and Maine R. R.	do.	15.40
	Southern Rwy. Co.	do.	82.20
	E. J. Joy	Constructing platform	12.50
	W. B. Francis Co.	Binding records	1.75
	Keifer & Wenzel	Repairing clock	2.00
	R. B. Morris	Ink	.50
	F. C. Dockeraey	Repairing typewriter	2.50
	S. C. Phillips	Chairs	6.80
	Funk & Wagnalls Co.	Dictionary stand	7.50
	J. E. Turton	File cases	259.00
	Southern Printers Supply Co.	Staples	62.50
	do.	Type, etc.	37.30
	The J. C. Ergood Co.	Flour	1.38
	E. H. Bowie	Subsistence	46.50
	L. C. Cover	Traveling expenses	26.25
	J. R. Glenn	do.	5.85
	H. C. Cooke	do.	19.20
	H. E. Hobbs	do.	2.89
18	A. Zappone	do.	41.72
	do.	do.	52.65
22	Direct West India Cable Co.	Telegraph services	202.88
	do.	do.	214.24
	B. C. Kadel	Traveling expenses	.75
	Marthas Vineyard Telegraph Co.	Telegraph services	24.38
	H. E. Hobbs	Station expenses	9.22
	F. R. Beahan	Hauling coal	33.00
	P. Quattlebaum	Services	14.00
	C. H. Richardson	Subsistence	29.67
	do.	Ice and janitor service	7.00
	W. T. Lathrop	Subsistence	31.00
	M. B. Stubbs	do.	31.00
	W. C. Devereaux	Subsistence and station expenses	36.56
	do.	do.	35.36
	J. J. O'Donnell	Subsistence	31.00
	J. H. Kimball	Drayage	3.50
	E. T. Burns	Traveling expenses	16.25
	F. P. Chaffee	do.	37.54
	A. G. Burns	do.	10.00
	G. N. Salisbury	do.	22.20
	E. C. Vose	do.	9.90
	C. M. Strong	do.	28.75
	R. G. Allen	do.	15.42
	L. M. Tarr	do.	7.00
	B. H. Bronson	do.	31.25
	J. H. Robinson	do.	27.35
	Cuba Submarine Telegraph Co. (Limited)	Telegraph services	14.75
	do.	do.	17.90
	do.	do.	17.65
	do.	do.	4.55
	Central District and Printing Telegraph Co.	do.	19.00
	Pacific States Telephone and Telegraph Co.	do.	10.40
	do.	do.	38.80



Expenditures of the Department of Agriculture for fiscal year ending June 30, 1904—Cont'd.

## WEATHER BUREAU, GENERAL EXPENSES—Continued.

Date.	Name.	Nature of payment.	Total.
1903.			
Sept. 22	Rising Sun Telegraph Line.....	Telegraph services.....	\$2.60
	Alabama, Mississippi and Tennessee Tele- phone Co.....	do.....	6.50
	Corvallis and Eastern R. R. Co.....	do.....	2.60
	do.....	do.....	2.60
	Home Telephone Co.....	Telephone services.....	10.40
	Cozzens Bros.....	Repairing brickwork on boilers.....	395.00
	F. J. Massard.....	Erecting tower.....	35.00
	Pacific Metal Works.....	Stereotype metal.....	8.00
	J. H. Horton.....	Foundation for tower.....	25.00
	Chapin & Simpson.....	Horse hire.....	21.00
	Louis Hendricks.....	Coal and wood.....	99.50
	Kauffman, Meyer & Co.....	Carpet and lining.....	68.00
	D. M. Stoen.....	Water cooler.....	3.50
	National Electrical Supply Co.....	Split knobs.....	2.00
	F. J. Midgett.....	Coal and oil.....	62.10
	O. Rice & Co.....	Platen, etc.....	4.00
	R. Stone.....	Erecting tank.....	255.00
	A. Midgett.....	Turpentine, oil, etc.....	5.00
	B. M. Jacobs & Bros.....	Carpet, linoleum, and shades.....	98.25
	G. R. Matten.....	Repairing clock.....	2.50
	F. Wimburst.....	Painting signs, etc.....	17.50
	Ithaca Ice Co.....	Ice.....	1.32
	A. J. Parrish.....	Ice box.....	5.00
	F. B. Barnum.....	Ink and mucilage.....	3.00
	E. G. Pluke.....	Repairing linoleum.....	2.50
	H. M. Stevenson.....	Cleaning office.....	2.25
	O'Neal & Houck.....	Cleaning carpet, etc.....	2.30
	P. Gray & Sons.....	Electric lanterns.....	1,575.00
	Peninsular Bark and Lumber Co.....	Wood.....	4.50
	United States Envelope Co.....	Envelopes.....	363.00
	J. M. Russell.....	Coal.....	30.00
	Crowdus Bros. & Co.....	do.....	33.75
	E. F. Sanguinetti.....	Hose.....	10.00
	Foote Pierson & Co.....	Lightning arrester.....	3.00
	O. W. Bye.....	Horse hire.....	2.50
	L. T. Garrison.....	do.....	4.50
	J. W. Holmes.....	Team and services.....	3.50
	Hoke Engraving Plate Co.....	Gas stove, etc.....	13.25
	Green Bay Western R. R. Co.....	Passenger transportation.....	3.55
	Northern S. S. Co.....	do.....	8.00
	R. P. Clarke Co.....	Rubber blankets.....	28.40
	Lamb & Tilden.....	Rubber stamps.....	1.56
	Clark & Davenport.....	Carpet and lining.....	126.37
30	E. B. Calvert.....	Traveling expenses.....	7.00
	A. Zappone.....	do.....	17.28
	H. E. Williams.....	do.....	6.25
	Chapin & Simpson.....	Horse.....	125.00
	J. W. Silcott.....	Wire, staples, plow, etc.....	85.20
	Plaster & Robey.....	Dynamite and fuse.....	90.00
	H. H. Trussell.....	Oak slabs.....	15.00
	B. F. Larcombe et al.....	Pay roll, printing office.....	2,397.35
	Total first quarter.....		33,742.50
Oct. 3	G. L. Lovett.....	Office rent.....	105.00
12	P. A. F. Walter, postmaster.....	Rent of post-office box.....	1.50
	The Apalachicola Electric Light and Tele- phone Co.....	Electric light.....	18.75
	Lone Star Ice Co.....	Ice.....	4.60
	The Steffen & Bretsch Ice Co.....	do.....	4.60
	G. Rivenburg.....	do.....	2.76
	J. Campbell.....	Washing towels.....	2.25
	F. L. Knight.....	do.....	1.50
	The Southwest Telegraph and Telephone Co.....	Telephone services.....	15.00
	West Virginia Western Telephone Co.....	do.....	4.50
	Kalispell Water and Electric Co.....	do.....	12.00
	Santa Fe Electric Telephone Co.....	do.....	6.00
	Southern Bell Telephone and Telegraph Co.....	do.....	3.00
	do.....	do.....	21.00
	The Wichita Telephone Co.....	do.....	12.50
	Sunset Telephone and Telegraph Co.....	do.....	6.00
	Pennsylvania Telephone Co.....	do.....	18.00
	Pacific States Telephone and Telegraph Co.....	do.....	9.00
	Lynchburg Telephone Co.....	do.....	3.00
	The Rocky Mountain Bell Telephone Co.....	do.....	15.00
	Southern States Telephone Co.....	do.....	9.50
	The Colorado Telephone Co.....	do.....	12.00
	W. S. Rowe.....	do.....	3.00

Expenditures of the Department of Agriculture for fiscal year ending June 30, 1904—Cont'd.

## WEATHER BUREAU, GENERAL EXPENSES—Continued.

Date.	Name.	Nature of payment.	Total.
1903 Oct. 12	The Pacific States Telephone and Telegraph Co.	Telephone services .....	\$7.50
	Bell Telephone Co. of Buffalo .....	do .....	29.50
	The Inland Telephone and Telegraph Co. ....	do .....	9.00
	Telephone Co. of South Jersey .....	do .....	5.00
	Rocky Mountain Bell Telephone Co. ....	do .....	9.00
	Buffalo, substations .....	Pay roll .....	162.00
	Norfolk, substations .....	do .....	120.00
	Macon, substations .....	do .....	39.25
	Pensacola, substations .....	do .....	36.00
	N. R. Taylor .....	Drayage .....	1.25
	J. P. Bolton .....	Telephone service, ice, etc .....	27.20
	W. A. Mitchell .....	Station expenses .....	36.62
	M. E. Blystone .....	Drayage .....	5.60
	A. G. McAdie .....	Traveling expenses .....	4.75
	H. C. Howe .....	do .....	5.75
	H. J. Cox .....	do .....	49.08
	The Okonite Co. (Limited) .....	Cable .....	57.50
	Scarritt-Comstock Furniture Co. ....	Office furniture .....	602.00
	Pan Electric Service and Appliance Co. ....	Adjusting motor, etc .....	14.50
	F. O. Wright .....	Painting instrument shelter .....	8.00
	The Fred Macey Co. (Limited) .....	Index cabinet .....	18.47
	Queen & Co. (Incorporated) .....	Triple register .....	\$25.00
	do .....	Alcohol .....	5.00
	Basche Sage Hardware Co. ....	Awnings .....	12.00
	United States Gas and Power Co. ....	Installing storm-warning lanterns .....	32.00
	W. J. Bailey .....	Removing shelving .....	55.00
	W. O. Zook .....	Repairing instrument shelter .....	1.00
	Grand Rapids Wholesale Furniture Co. ....	Letterpress stand .....	14.00
	F. G. & A. Howald .....	Repairing desk .....	7.00
	A. B. Dick Co. ....	Oil board backings .....	1.50
	Shipley & Co. ....	Typewriter stand .....	10.00
	W. T. Amick .....	Painting river gauge .....	25.00
	Addressograph Co. ....	Type .....	.90
	do .....	Type and ink .....	10.39
	Henry Heil Chemical Co. ....	Vaseline .....	14.00
	The Warner, Swasey Co. ....	Field glass .....	30.00
	Hoke Engraving Plate Co. ....	Clamps .....	1.00
	A. Kimball .....	Distributing warnings .....	25.00
	E. D. Foote .....	Repairing stove .....	5.40
	W. D. Frisbie .....	Repairing flagstaff .....	3.00
	R. Herrera .....	do .....	2.00
	A. L. Crumpton .....	Washing towels .....	.75
	California Machine Works .....	Erecting mast and engine shed .....	1,062.00
	W. J. Crawford .....	Drayage .....	2.30
	do .....	do .....	3.30
	G. F. Muth .....	Drawing board .....	3.60
	United States Express Co. ....	Express charges .....	10.50
	James B. Lambie Co. (Incorporated) .....	Files, iron pipe, etc .....	60.18
	do .....	File handles .....	3.60
	National Electrical Supply Co. ....	Magnet .....	9.65
	John C. Parker .....	Paper .....	419.00
	do .....	do .....	138.27
	do .....	do .....	58.50
	do .....	Ink eradicator .....	21.30
	do .....	Paper .....	75.80
	do .....	Map paper .....	785.00
	do .....	Paper .....	123.75
	do .....	do .....	82.50
	do .....	Blank books .....	40.32
	W. B. Moses & Sons .....	Office furniture .....	45.45
	do .....	do .....	47.60
	Lamb & Tilden .....	Rubber stamps .....	1.71
	United States Envelope Co. ....	Envelopes .....	993.02
	Mackall Bros .....	Soap .....	71.53
	L. S. Depue .....	Hay, straw, oats, and corn .....	31.05
	Edward Mullin .....	White rags .....	14.00
	R. P. Clarke Co. ....	Muslin .....	8.64
	M. G. Copeland .....	Answering pennants .....	4.50
	do .....	do .....	4.50
	M. Du Perow .....	Type .....	744.00
	American Writing Machine Co. ....	Repairs to typewriter .....	25.60
	do .....	Typewriter .....	72.25
	do .....	do .....	72.25
	Rudolph, West & Co. ....	Figures for river gauge .....	4.50
	do .....	Grindstone .....	5.50
	do .....	Copper oilers .....	1.44
	R. Carter Ballantyne .....	Stationery supplies .....	191.36
	R. P. Andrews & Co. ....	Paper, etc .....	204.54

Expenditures of the Department of Agriculture for fiscal year ending June 30, 1904—Cont'd.

## WEATHER BUREAU, GENERAL EXPENSES—Continued.

Date.	Name.	Nature of payment.	Total.
1903.			
Oct. 12	Clarke & Davenport	Carpet	\$52.78
	Southern Printers Supply Co.	Hempel's quoins	5.51
	The Norris Peters Co.	Recutting negatives	6.00
	S. J. Venable	Map frames	50.00
	J. W. Jordan & Co.	Rollers	11.25
	J. H. Lee	Dynamite	75.00
	J. C. Entwistle	Engraving rain chart	10.00
	J. G. Smith	Penholders	30.00
	Western Union Telegraph Co.	Telegraph services	106.76
	do	do	16.00
	do	do	144.10
	New England Telephone and Telegraph Co.	do	2.60
	W. T. Lathrop	Traveling expenses	1.65
	J. H. Kimball	do	27.62
	C. B. Bright	do	9.50
	A. Brand	do	17.10
	do	do	1.85
	T. F. Townsend	do	3.60
	do	do	1.55
	J. T. Patterson	do	30.55
	E. C. Hobbs	do	22.35
	H. C. Hunter	do	3.95
	A. C. Pickels	do	2.25
	J. W. Carr	do	20.60
	H. B. Wren	do	3.70
	F. H. Duff	do	1.50
	Parkersburg, substations	Pay roll	72.50
	C. A. Blummer	Services	15.00
	R. J. McMaster	do	15.00
	C. C. Garrett	Station expenses	5.00
	E. H. Nimmo	Washing towels	1.50
	Chicago Auditorium Association	Office rent	437.50
	Taylor National Bank	do	143.75
	E. Harding	do	85.00
	O. Adams, jr.	do	120.00
	C. P. Meekins	Ground rent	3.00
	Walla Walla Lodge No. 56, I. O.-O. F.	Office rent	84.87
	J. Crocker	do	75.00
	Consolidated Improvement Co.	do	165.00
	City of Columbia, S. C.	do	90.00
	D. H. Ross	do	72.00
	O. I. Mairs	do	90.00
	M. G. Roves	do	40.00
	P. Sonna	do	120.00
	M. M. Latta	do	25.00
	Citizens Bank of Norfolk, Va.	do	131.25
	T. B. Catron	do	105.00
	Conrad National Bank	do	67.50
	Prudential Building Co.	do	170.00
	T. M. Jeffris & Co.	do	125.00
	C. M. Beeson	do	88.91
	D. L., S. C., G. C. Buhne and M. C. Pratt	do	92.20
	Dent & Beutler	do	105.00
	Fremont Lumber Co.	do	87.75
	Law Building Co.	do	62.50
	Paine Bros.	do	77.70
	H. Rolle	Roof rent	9.00
	Postal Telegraph Cable Co. of Texas	Telegraph services	109.68
	Jacksonville and St. Johns Bar Telegraph Line.	do	8.00
	Chicago, Burlington and Quincy R. R. Co.	do	2.52
	Pacific States Telephone and Telegraph Co.	do	10.40
	Ocean Towboat Line	do	30.00
	Minneapolis, St. Paul and Sault Ste. Marie Rwy. Co.	do	16.30
	Idaho Independent Telephone Co. (Limited)	Telephone services	12.00
	The Toledo Home Telephone Co.	do	16.00
	Larned Telephone Co.	do	3.00
	Pacific States Telephone and Telegraph Co.	do	9.00
	Southern Bell Telephone and Telegraph Co.	do	9.00
	Chicago Telephone Co.	do	72.50
	Narragansett Pier R. R. Co.	Passenger transportation	10.57
	Pennsylvania R. R. Co.	do	45.05
	Chicago, Milwaukee and St. Paul Rwy. Co.	do	20.60
	Seaboard Air Line Rwy.	do	19.85
	Duluth, South Shore and Atlantic Rwy. Co.	do	9.75
	Baltimore and Ohio R. R.	do	21.32
	Grand Trunk Rwy. Co.	do	2.50
	Chesapeake and Ohio Rwy. Co.	do	6.25
	Louisville and Nashville R. R. Co.	do	21.00



*Expenditures of the Department of Agriculture for fiscal year ending June 30, 1904—Cont'd.*

## WEATHER BUREAU, GENERAL EXPENSES—Continued.

Date.	Name.	Nature of payment.	Total.
1903.			
Oct. 12	Naegele & Co. ....	Printing climate and crop reports.	\$25. 00
	Mungers Laundry Co. ....	Towel supply.	6. 00
	Tampa Electric Co. ....	Electric light.	3. 00
	The Wichita Gas, Electric Light and Power Co. ....	Electric current.	6. 25
	Cheyenne Ice Co. ....	Ice.	5. 00
	D. Swinehart .....	do.	6. 00
	A. C. Lake .....	Repairing telegraph line.	1. 00
	R. Munroe .....	do.	1. 00
	W. T. Scott .....	Repairing instrument shelter.	6. 00
	B. S. Mason .....	Painting instrument shelter.	12. 00
	J. A. Roebings' Sons Co. ....	Copper wire and connectors.	64. 80
	Seth Thomas Clock Co. ....	Regulators.	110. 00
	Valley Paper Co. ....	Paper.	811. 20
	The J. M. Klein Electric Works .....	Telegraph cable.	1,750. 00
	Peter Gray & Sons .....	Copper tank.	5. 00
	Chadwick Copying Book Co. ....	Copying books.	11. 00
	Carter, Rice & Co. (Corporation) .....	Paper.	490. 20
	J. S. Craig .....	Repairing wind vane.	3. 50
	A. Zappone .....	Traveling expenses.	3. 80
	C. M. Strong .....	do.	13. 50
	B. Bunnemeyer .....	do.	23. 01
	M. A. Robinson .....	do.	14. 90
	F. H. Brandenburg .....	do.	32. 00
	J. T. Myers .....	Services.	15. 00
	C. Sevilla .....	do.	5. 00
	G. N. Wilson .....	Drayage.	. 40
	J. J. Gray .....	Subsistence.	45. 00
	Southern Bell Telephone and Telegraph Co. ....	Telephone services.	12. 00
	Cumberland Telephone and Telegraph Co. ....	do.	21. 00
	Fayette Home Telephone Co. ....	do.	4. 50
	Cumberland Telephone and Telegraph Co. ....	do.	48. 00
	Southern Bell Telephone and Telegraph Co. ....	do.	12. 00
	Palestine Telephone Co. ....	do.	9. 00
	New York Telephone Co. ....	do.	60. 00
	Southern Bell Telephone and Telegraph Co. ....	do.	9. 00
	New York and Pennsylvania Telephone and Telegraph Co. ....	do.	12. 00
	Southern Bell Telephone and Telegraph Co. ....	do.	15. 00
	Cumberland Telephone and Telegraph Co. ....	do.	16. 50
	Consolidated Telephone Cos. of Pennsylvania .....	do.	9. 00
	Pennsylvania Telephone Co. ....	do.	11. 25
	The Southwestern Telegraph and Telephone Co. ....	do.	7. 50
	The San Antonio Telephone Co. ....	do.	7. 50
	Cumberland Telephone and Telegraph Co. ....	do.	19. 50
	Southern Bell Telephone and Telegraph Co. ....	do.	7. 50
	Wytheville Telephone Co. ....	do.	3. 75
	The Empire State Telephone and Telegraph Co. ....	do.	7. 50
	The Bell Telephone Co. of Missouri .....	do.	22. 50
	Missouri and Kansas Telephone Co. ....	do.	6. 00
	Southern Bell Telephone and Telegraph Co. ....	do.	24. 00
	The Diamond State Telephone Co. ....	do.	6. 25
	Missouri and Kansas Telephone Co. ....	do.	25. 00
	Citizens Telephone Co. ....	do.	13. 25
	Zenith City Telephone Co. ....	do.	7. 50
	Duluth Telephone Co. ....	do.	12. 50
	Chesapeake and Potomac Telephone Co. ....	do.	31. 25
	York State Telephone Co. ....	do.	7. 50
	Rocky Mountain Bell Telephone Co. ....	do.	8. 25
	New Telephone Co. ....	do.	10. 00
	Michigan Telephone Co. ....	do.	6. 00
	The Louisville Home Telephone Co. ....	do.	12. 00
	New York and Pennsylvania Telephone and Telegraph Co. ....	do.	7. 50
	E. V. Hauser .....	do.	10. 50
	Central New York Telephone and Telegraph Co. ....	do.	20. 00
	Southern Bell Telephone and Telegraph Co. ....	do.	12. 00
	Topeka Independent Telephone Co. ....	do.	9. 00
	The Cleveland Telephone Co. ....	do.	33. 00
	LaCrosse Telephone Co. ....	do.	7. 50
	Ontario Telephone Co. ....	do.	15. 00
	Peninsular Telephone Co. ....	do.	8. 25
	East Tennessee Telephone Co. ....	do.	9. 00
	Home Telephone Co. ....	do.	7. 50
	Columbus Citizens Telephone Co. ....	do.	10. 00
	Central Union Telephone Co. ....	do.	15. 00
	Sunset Telephone and Telegraph Co. ....	do.	15. 00

Expenditures of the Department of Agriculture for fiscal year ending June 30, 1904—Cont'd.

## WEATHER BUREAU, GENERAL EXPENSES—Continued.

Date.	Name.	Nature of payment.	Total.
1903.			
Oct. 12	Southern Bell Telephone and Telegraph Co.	Telephone services	\$4.50
	Black Hills Telegraph and Telephone Co.	do.	21.00
	Interstate Telephone and Telegraph Co.	do.	4.50
	Wisconsin Telephone Co.	do.	12.00
	The City and Suburban Telegraph Association:	do.	21.00
	Asheville Telephone Co.	do.	6.00
	The Northwestern Telephone Exchange Co.	do.	21.00
	Sunset Telephone and Telegraph Co.	do.	6.00
	Bell Telephone Co. of Buffalo	do.	1.65
	Union Trust Co.	do.	28.50
	A. J. Knight	Office rent	82.19
	City of Palestine, Tex	do.	78.50
	Albert Marty	do.	165.00
	B. M. Jacobs	do.	20.00
	Tacoma Chamber of Commerce and Board of Trade.	do.	75.00
	Asheville Library Association	do.	75.00
	Michigan Trust Co. Building	do.	350.00
	B. S. Williams	do.	73.00
	Bank of Wytheville, Va.	do.	100.00
	Title Guarantee Loan and Trust Co.	do.	60.00
	K. F. Coke	do.	60.00
	W. Talbott	do.	120.00
	C. J. Buell	do.	94.50
	J. K. Porter	do.	150.00
	A. W. Kennie	do.	75.00
	D. W. King	Washing towels	3.00
	L. Wilson	do.	1.50
	A. Klein	do.	2.00
	Baltimore Towel Supply Co.	do.	2.25
	San Antonio Gas and Electric Co.	Electric light	3.12
	Georgetown Electric Light Co.	do.	8.75
	Charleston Consolidated Rwy., Gas and Electric Co.	do.	8.75
	New Bedford Gas and Edison Light Co.	do.	7.50
	Charleston Consolidated Rwy., Gas and Electric Co.	do.	8.75
	Annapolis Gas and Electric Light Co.	do.	9.00
	W. V. Hughes	do.	9.00
	Peoples Gas and Electric Co. of Oswego.	do.	1.65
	A. J. Knight	Electric current	2.75
	Indianapolis Light and Power Co.	do.	18.00
	C. H. Green & Co.	Ice	4.30
	The Human Ice Co.	do.	5.25
	W. G. Harwood	do.	2.70
	Oklahoma Ice and Cold Storage Co.	do.	3.68
	C. B. Little	Water	11.00
	O. A. Solomon	Repairing wind vane	5.00
	The Newburge Co.	Repairing instrument supports, etc.	12.00
	Pearson & Letzig	Repairing roof apparatus	15.00
	T. P. Simpson	Dynamite	39.25
	A. E. Tilden	Cleaning carpet	2.50
	J. S. Smith	Ink and muclage	3.00
	H. Wheeler	do.	4.25
	E. G. Penke	Repairing anemometer	5.00
	A. J. Miller	Repairing clock	2.00
	American Type Founders Co.	Type	3.95
	Schacht & Riorden	Repairing clock	2.00
	E. W. Turner	do.	1.50
	Terro Carrill y Almacenes de Santiago de Cuba.	Passenger transportation	24.00
	The Lake Shore and Michigan Southern Rwy. Co.	do.	2.50
	Southern Rwy. Co.	do.	6.80
	Boston and Maine R. R.	do.	22.00
	Detroit and Cleveland Navigation Co.	do.	3.75
	Elizabeth City and Norfolk Telegraph Co.	Telegraph services	2.50
	Chicago, Burlington and Quincy R. R. Co.	do.	2.40
	Hoke Engraving Plate Co.	Recoating base plates	162.50
15	C. F. Marvin	Traveling expenses	19.80
	W. F. Clark	do.	.50
	F. H. Bigelow	do.	39.93
	W. S. Palmer	do.	47.75
	J. N. Ryker	do.	26.45
	R. M. Hardinge	do.	49.90
	R. G. Allen	do.	9.99
	C. F. von Herrmann	Janitor service, drayage, etc.	25.54
	J. I. Widmeyer	Station supplies	2.85

Expenditures of the Department of Agriculture for fiscal year ending June 30, 1904—Cont'd.

WEATHER BUREAU, GENERAL EXPENSES—Continued.

Date.	Name.	Nature of payment.	Total.
1903. Oct. 15	M. B. Stubbs.....	Subsistence.....	\$31.00
	do.....	do.....	30.00
	E. L. Renoe.....	Telephone rent.....	3.00
	J. C. Piercy.....	Repairing wind vane, etc.....	4.00
	P. Connor.....	Car fare.....	8.40
	J. W. Smith.....	Express charges.....	6.82
	W. Ellis.....	Services.....	9.00
	The Southern New England Telephone Co.....	Telephone services.....	27.00
	E. S. Allen.....	do.....	7.50
	New England Telephone and Telegraph Co.....	do.....	14.25
	Mississippi Valley Telephone Co. of Iowa.....	do.....	6.15
	Maryland Telephone and Telegraph Co.....	do.....	18.00
	East Tennessee Telephone Co.....	do.....	12.00
	Southern Bell Telephone and Telegraph Co.....	do.....	15.00
	Jacksonville Telephone Co.....	do.....	7.50
	Peoples Telephone and Telegraph Co.....	do.....	7.50
	East Tennessee Telephone Co.....	do.....	9.00
	The Bell Telephone Co. of Philadelphia.....	do.....	17.25
	Keystone Telephone Co. of Philadelphia.....	do.....	20.00
	Kinloch Telephone Co.....	do.....	15.00
	Arizona Publishing Co.....	Printing climate and crop reports.....	98.50
	Vicksburg Herald.....	do.....	52.00
	World Publishing Co.....	do.....	35.75
	State Journal Co.....	do.....	22.75
	Emily Culbertson.....	Office rent.....	127.50
	Port Huron Light and Power Co.....	Electric light.....	1.50
	Green Bay Light and Power Co.....	do.....	6.25
	Astoria Electric Co.....	do.....	4.00
	Phoenix Light and Fuel Co.....	do.....	5.25
	Edison Sault Electric Co.....	do.....	16.25
	Marblehead Municipal Lighting Co.....	do.....	4.87
	Townsend Gas and Electric Co.....	do.....	7.50
	Agricultural and Mechanical College of Kentucky.....	do.....	3.00
	Owen & Welsh Co.....	Electric current.....	4.65
	Minneapolis General Electric Co.....	do.....	15.00
	Lincoln Traction Co.....	do.....	13.50
	Buffalo Gas Co.....	Gas.....	5.00
	Standard Gas and Electric Co.....	do.....	12.15
	Muckerman Ice and Coal Co.....	Ice.....	2.30
	City Delivery Co.....	do.....	1.25
	W. B. Lount.....	do.....	9.10
	C. G. LeClair.....	do.....	3.00
	The Consumers Co.....	do.....	10.00
	American Toilet Supply Co.....	Toilet supplies.....	2.25
	McCormick & Bates.....	Drayage.....	1.00
	Pacific States Telephone and Telegraph Co.....	Battery cells.....	1.08
	do.....	do.....	1.08
	American Type Founders Co.....	Moving printing press.....	8.00
	Mais & Sant.....	Removing instrument platform, etc.....	134.44
	J. J. Nolan.....	Repairing addressograph.....	1.00
	The San Francisco Electric Co.....	Wireless telegraph supplies.....	5.58
	P. Ewirp.....	Reeving halyards.....	3.00
	American Type Founders Co.....	Printing supplies.....	5.92
	Standard Oil Co.....	Oil.....	22.44
	R. H. Vorpahl.....	Recasting rollers.....	6.50
	Board of Public Works, Sault Ste. Marie.....	Water supply.....	3.50
	J. E. Baum.....	Taking down wind vane, etc.....	4.50
	N. P. Hansen.....	Repairing instrument shelter.....	5.50
	J. H. Leslie.....	Tools.....	9.95
	J. B. Taylor.....	Repairing typewriter.....	3.00
	J. A. Tennent.....	Repairing river gage.....	8.00
	J. H. Bunnell & Co.....	Dry batteries.....	14.40
	J. B. Bacheller.....	Erection of wind vane.....	10.00
	American Type Founders Co.....	Leads.....	1.17
	C. H. Davidson.....	Shelving in storeroom.....	4.25
	The Van Bibber Roller Co.....	Recasting rollers.....	4.00
	Faneuil Watch Tool Co.....	Wireless telegraph supplies.....	191.85
	Patrick & Co.....	Stencils.....	5.00
	H. E. Otto.....	Connections with gas stove.....	3.50
	Josiah Conover.....	Office furniture.....	48.00
	Myer Newberger.....	Type protecting sheets.....	8.00
	Cleveland, Akron and Columbus Rwy.....	Freight transportation.....	.48
	do.....	do.....	.48
	Star Union Line.....	do.....	.62
	Louisville and Nashville R. R. Co.....	do.....	.46
	Atlantic Coast Line R. R. Co.....	do.....	.58
	Virginia Truckee R. R. Co.....	do.....	.25



Expenditures of the Department of Agriculture for fiscal year ending June 30, 1904—Cont'd.

## WEATHER BUREAU, GENERAL EXPENSES—Continued.

Date.	Name.	Nature of payment.	Total.
1903. Oct. 15	Richmond, Fredericksburg and Potomac R. R. Co.	Freight transportation	\$0.25
	Lehigh and Hudson River Rwy. Co.	do	.38
	E. Hayden	Drayage	.85
	Bell Telephone Co. of Buffalo	Telephone services	.55
	West Virginia Central and Pittsburg Rwy. Co.	Passenger transportation	.55
	A. L. Brockway	Traveling expenses	6.25
	T. S. Outram	do	1.77
20	Flint & Walling Manufacturing Co.	Instrument supports	417.00
	do	Storm-warning towers	3,127.00
	Z. D. Gilman	Amyl acetate	1.25
	Goodyear Rubber Co.	Wireless telegraph supplies	4.50
	Richard Fysh	Cleaning clock	1.00
	Philip Lindemeyr	Cardboard	22.50
	H. G. Razall Manufacturing Co.	Copying bath	6.00
	Springer Bros.	Cleaning river gage	3.00
	J. C. Burton	Erecting roof instruments	30.00
	Caleb Wilson	Cleaning weather map	8.00
	Alexander Yost Co.	Wireless telegraph supplies	62.35
	E. G. Plake	Repairing instrument shelter	7.50
	J. A. Roebbing's Sons Co.	Wire	32.10
	J. H. Bunnell & Co.	Jack boards, etc.	28.80
	J. W. Strickland	Drayage	15.00
	Richmond Type and Electrotype Foundry	Type	53.63
	O. E. Plath	Fumigating office	5.00
	Chicago, substations	Pay roll	349.60
	W. G. Burns	Station expenses	5.95
	P. McDonough	do	9.40
	L. N. Jesunofsky	Drayage	2.00
	A. E. Hackett	Station expenses	10.15
	S. W. Glean	do	4.45
	E. H. Emery	do	24.35
	W. C. Devereaux	Subsistence and station supplies	34.17
	I. M. Cline	Drayage	2.05
	G. E. Grimes	Station expenses	4.65
	W. A. Mitchell	do	1.98
	Columbia Telephone Co.	Telephone services	6.00
	Pacific States Telephone and Telegraph Co.	do	18.00
	New England Telephone and Telegraph Co.	do	8.25
	The Southwestern Telegraph and Telephone Co.	do	14.00
	Sunset Telephone and Telegraph Co.	do	15.00
	Central Union Telephone Co.	do	10.50
	Nebraska Telephone Co.	do	21.00
	do	do	15.00
	The Gordon Telephone Co.	do	9.00
	Robt. Tyler	Printing climate and crop reports	10.00
	W. Rigby	do	36.00
	Nashville Gas Co.	Gas	7.90
	Omaha Towel Co.	Washing towels	3.00
	M. T. Hayden	do	3.00
	The Silver State Towel Supply Co.	do	3.00
	Jacksonville Towel Co.	do	3.00
	G. A. Von Blucher	Ice	4.60
	J. W. Eagleson	do	7.50
	Cape May Light and Power Co.	Electric light	3.15
	Fall River Electric Light Co.	do	9.00
	E. A. Born	do	27.75
	The John M. Klein Electric Co.	Repairing telegraph line	50.50
	American Surety Co. of New York	Office rent	875.00
	Dexter Horton	do	120.00
	O. I. Taylor	do	6.25
	Yale Hicks, agent	do	120.00
	F. E. Warren Mercantile Co.	do	155.00
	E. D. Osborn	do	125.00
	W. E. Dann	do	72.00
	Indianapolis Gas Co.	do	256.25
	Ed S. Hughes & Co.	do	95.45
	J. L. Connell	do	118.75
	Pacific Club	do	65.75
	Society for Savings	do	285.00
	F. D. Miracle	do	147.00
	Bank of Tehama Co.	do	99.06
	Margaret Parmentier	do	74.25
	The Gamble Desmond Co.	do	96.00
	Jose Valenti	do	75.00
	The Chemical Building Co.	do	300.00
	N. W. Mutual Life Insurance Co. of Milwaukee.	do	125.00

Expenditures of the Department of Agriculture for fiscal year ending June 30, 1904—Cont'd.

## WEATHER BUREAU, GENERAL EXPENSES—Continued.

Date.	Name.	Nature of payment.	Total.
1903.			
Oct. 20	M. E. Conway.....	Office rent.....	\$37.74
	Humboldt County, Nev.....	do.....	67.00
	Dyal-Upchurch Investment Co.....	do.....	187.50
	New York, New Haven and Hartford R. R. Co.....	Passenger transportation.....	12.25
	Great Northern Rwy. Co.....	do.....	8.60
	The Pennsylvania R. R. Co.....	do.....	104.75
	Edmond Hayden.....	Drayage.....	2.15
	J. J. Kelliher.....	do.....	2.00
	Philadelphia, substations.....	Pay roll.....	60.00
	Harrisburg, substations.....	do.....	88.75
	R. L. Lewis.....	Telephone services.....	24.00
	New England Telephone and Telegraph Co.....	do.....	29.00
	Cumberland Telephone and Telegraph Co.....	do.....	10.00
	Consolidated Telephone Co.....	do.....	5.00
	Northwestern Telephone Exchange Co.....	do.....	18.00
	Cumberland Telephone and Telegraph Co.....	do.....	29.85
	Rocky Mountain Bell Telephone Co.....	do.....	12.00
	Southern Bell Telephone and Telegraph Co.....	do.....	12.00
	Pacific States Telephone and Telegraph Co.....	do.....	25.50
	Central District and Printing Telegraph Co.....	do.....	35.75
	Wisconsin Telephone Co.....	do.....	3.75
	Sunset Telephone and Telegraph Co.....	do.....	4.50
	Southwestern Telegraph and Telephone Co.....	do.....	21.00
	Southern Bell Telephone and Telegraph Co.....	do.....	12.00
	Cumberland Telephone and Telegraph Co.....	do.....	12.00
	Southwestern Telegraph and Telephone Co.....	do.....	9.00
	Rocky Mountain Bell Telephone Co.....	do.....	10.50
	New England Telephone and Telegraph Co.....	do.....	14.25
	Southwestern Telegraph and Telephone Co.....	do.....	9.00
	The Dubuque Telephone Co.....	do.....	6.00
	Georgia Telephone and Telegraph Co.....	do.....	15.00
	Mill Valley and Mount Tamalpais Scenic Rwy.....	Office rent.....	105.00
	First National Bank, Portland, Me.....	do.....	126.00
	The Farmers National Bank of Texas.....	do.....	94.50
	Wm. Curry's Sons.....	do.....	24.00
	H. H. Taylor, agent.....	do.....	622.50
	H. Bolton.....	do.....	52.84
	J. Gussenhoven.....	do.....	90.00
	Department of Interior of Porto Rico.....	do.....	150.00
	The Hayden Co.....	do.....	300.00
	J. B. Smith.....	do.....	75.00
	Los Angeles Trust Co.....	do.....	195.00
	W. Pollman.....	do.....	112.50
	F. L. Keating.....	do.....	96.00
	United Electric Light and Power Co.....	Electric light.....	9.00
	Mutual Light and Water Co.....	do.....	7.20
	Asheville Electric Co.....	do.....	3.60
	O. C. G. Urban.....	do.....	12.50
	Rockingham County Light and Power Co.....	do.....	7.26
	The Raleigh Electric Co.....	Electric current.....	5.23
	Fort Smith Light and Traction Co.....	do.....	7.50
	Peoples Gas Light and Coke Co.....	Gas.....	11.60
	Barnhart Bros. & Spindler.....	Printing supplies.....	11.29
	Summers Printing Co.....	Printing climate and crop bulletins.....	53.95
	The R. L. Bryan Co.....	do.....	56.00
	J. F. Beck.....	Washing towels.....	3.00
	The Towel Manufacturing Co. (Limited).....	do.....	3.00
	J. E. Garrett.....	do.....	.75
	Nashville Laundry Co.....	do.....	1.80
	Dora Moyer.....	do.....	6.00
	Johnson & Johnson.....	Ice.....	3.95
	Capital Ice Co.....	do.....	3.95
	C. N. Millhollin & Son.....	do.....	4.60
	American Ice Co.....	do.....	3.95
	The Union Ice Co.....	do.....	9.20
	Consumers Ice Co.....	do.....	3.95
	Bausch & Lomb Optical Co.....	Field glasses.....	30.00
	Gether, Drebert, Perkins Co.....	Stereotype metal.....	30.99
	Standard Oil Co.....	Oil.....	7.42
	Noel Gratton.....	Replacing haliyards.....	1.00
	J. Weltmer.....	Oil.....	6.40
	H. Brooker & Co.....	Gasoline and oil.....	11.30
	Addressograph Co.....	Addressograph supplies.....	5.15
	Western Fuel Co.....	Coal and wood.....	80.00
	do.....	do.....	75.00
	Dorsey Printing Co.....	Repairing typewriter.....	13.85
	Stoll & Thayer Co.....	Type, ink, mucilage.....	21.20
	P. N. Kuss Co.....	Station supplies.....	7.39

Expenditures of the Department of Agriculture for fiscal year ending June 30, 1904—Cont'd.

## WEATHER BUREAU, GENERAL EXPENSES—Continued.

Date.	Name.	Nature of payment.	Total.
1903.			
Oct. 20	Valley Paper Co. ....	Map paper. ....	\$60.80
	J. H. McWatters .....	Oil. ....	10.80
	Southern Rwy. Co. ....	Passenger transportation. ....	32.65
	Mill Valley and Mount Tamalpais Scenic Rwy	Cleaning office. ....	15.00
	S. W. Lightner .....	Services. ....	30.00
	M. A. Webster .....	do. ....	16.00
	J. E. Harris, Jr. ....	do. ....	16.00
	Littlefield, Alvord & Co. ....	Drayage. ....	17.77
	J. G. Entwistle .....	Engraving rain chart. ....	10.00
	Jos. Bryan .....	Office rent. ....	150.00
	W. G. Baum .....	Repairing telegraph line. ....	10.50
	P. Brown .....	Rent of team and driver. ....	7.00
	George Meier & Co. ....	Gum arabic. ....	3.20
	Philadelphia, substations. ....	Pay roll. ....	69.00
	Charleston, substations. ....	do. ....	172.00
24	Francis Miller .....	Turpentine. ....	29.98
	National Electrical Supply Co. ....	Carbons. ....	1.50
	Lamb & Tilden .....	Rubber stamps. ....	3.90
	J. C. Parker .....	Paper. ....	134.40
	do. ....	do. ....	78.00
	James B. Lambie Co (Incorporated) .....	Screws. ....	1.40
	United States Express Co. ....	Express charges. ....	12.39
	Geo. F. Muth & Co. ....	Paint. ....	1.80
	do. ....	Benzine. ....	9.01
	Lutz & Co. ....	Halter. ....	1.75
	do. ....	Saddle cloth. ....	4.50
	American Writing Machine Co. ....	Platen. ....	2.70
	do. ....	do. ....	2.70
	Standard Oil Co. ....	Dynamo. ....	7.65
	American Writing Machine Co. ....	Repairing typewriter. ....	6.33
	L. H. Murdoch .....	Traveling expenses. ....	26.50
	Peter Gray & Sons. ....	Lantern chimneys. ....	24.00
	Keystone Type Foundry .....	Type. ....	3.18
	Wood & Thoenen .....	Repairing roof. ....	12.23
	E. Logan .....	Ink and paste. ....	6.85
	The Pain Manufacturing Co. ....	Signal rockets. ....	18.00
	W. H. H. Smith .....	Team hire. ....	2.00
	L. M. Barnes .....	Repairing telegraph line. ....	12.50
	H. Wollenberg, administrator. ....	Office rent. ....	84.75
	Hudson River Telephone Co. ....	Telephone services. ....	16.50
	Times-Journal Publishing Co. ....	Printing climate and crop reports. ....	45.50
	W. B. Moses & Sons. ....	Office furniture. ....	80.65
	R. P. Andrews & Co. (Incorporated) .....	Paper. ....	72.40
	The Maurice Joyce Engraving Co. ....	Electrotype plates. ....	24.95
	Kesbey & Mattison .....	Felt. ....	1.13
	J. E. Turton .....	Instrument shelters. ....	618.00
	R. P. Clarke Co. ....	Flannel, etc. ....	12.40
	Forsberg & Murray .....	Tube cleaners. ....	5.00
	E. Hayden .....	Drayage. ....	1.03
	Charleston, substations. ....	Pay roll. ....	30.00
	San Francisco, substations. ....	do. ....	160.00
	The Colorado Telephone Co. ....	Telephone services. ....	28.50
	Union Trust Company of Detroit. ....	do. ....	7.50
	Amarillo Telephone Exchange. ....	do. ....	7.50
	Colorado Telephone Co. ....	do. ....	13.50
	Bluff City Telephone Co. ....	do. ....	15.00
	Electric Lighting Co. of Mobile. ....	Electric light. ....	1.92
	Alpena Electric Light Co. ....	do. ....	6.00
	Max Levy .....	Electric current. ....	30.00
	Nashville Railway and Light Co. ....	do. ....	15.00
	C. A. Johnson .....	Washing towels. ....	3.00
	N. Johnson .....	Ice. ....	9.00
	The Schnepf & Lauer Co. ....	Printing climate and crop reports. ....	32.50
	A. A. Finck .....	do. ....	26.00
	New England Telephone and Telegraph Co	Telephone services. ....	2.60
	Western Union Telegraph Co. ....	Repairing telegraph line. ....	9.85
	T. A. Bayley .....	Running levels. ....	10.00
	Carter, Rice & Co. (Corporation) .....	Cardboard. ....	37.50
	T. P. Jeffords .....	Removing roof instruments. ....	40.00
	C. D. Page .....	Drayage. ....	8.75
	C. D. Widman & Co. ....	Weather map. ....	325.00
	E. G. Turmer .....	Painting office sign. ....	3.00
	C. J. Tual .....	Repairing instrument shelter. ....	2.50
	Duluth Van and Storage Co. ....	Drayage. ....	2.75
	Minneapolis Gas Light Co. ....	Gas stove. ....	6.00
	David Jones .....	Carpet and laying. ....	67.16
	J. H. Crane Furniture Co. ....	Mirror. ....	6.50
	P. N. Kuss Co. ....	Wireless telegraph supplies. ....	7.89
	Robert Best .....	Repairing furniture. ....	27.25



Expenditures of the Department of Agriculture for fiscal year ending June 30, 1904—Cont'd.

## WEATHER BUREAU, GENERAL EXPENSES—Continued.

Date.	Name.	Nature of payment.	Total.
1903. Oct. 24	Cumberland Telephone and Telegraph Co. . . . .	Telegraph services . . . . .	\$156.90
	do . . . . .	do . . . . .	39.30
	Adolyn Gale Miley . . . . .	Services . . . . .	9.50
	Southern Bell Telephone and Telegraph Co. . . . .	Telegraph services . . . . .	7.50
	do . . . . .	do . . . . .	7.80
	Central District and Printing Telegraph Co . . . . .	do . . . . .	19.00
	Pacific States Telegraph and Telephone Co . . . . .	do . . . . .	38.40
	Washington County Telephone Co . . . . .	do . . . . .	7.40
	Chesterfield Telephone and Telegraph Co. . . . .	Telephone services . . . . .	7.70
	The Ohio River Telephone Co . . . . .	do . . . . .	15.40
	East Tennessee Telephone Co . . . . .	Telegraph services . . . . .	30.90
	The French Telegraph Cable Co . . . . .	do . . . . .	76.00
	The Tyrrell County Telephone Co . . . . .	do . . . . .	7.40
	Alabama, Mississippi and Tennessee Tele- phone Co . . . . .	do . . . . .	6.25
	Moneure and Pittsboro Telegraph Co . . . . .	do . . . . .	7.10
	Winton Telegraph Co . . . . .	do . . . . .	7.60
	Peninsular and Occidental Steamship Co. . . . .	Passenger transportation . . . . .	12.55
	Maricopa and Phoenix Salt River Valley R. R. Co. . . . .	do . . . . .	2.10
	Iowa Telephone Co . . . . .	Telephone services . . . . .	30.00
	Sunset Telephone and Telegraph Co . . . . .	do . . . . .	6.00
	Citizens Telephone Co. of Muskegon . . . . .	do . . . . .	6.00
	Wisconsin Telephone Co . . . . .	do . . . . .	30.00
	Dunn & Lemmon . . . . .	Printing climate and crop reports . . . . .	36.00
	World Publishing Co . . . . .	do . . . . .	2.75
	Chapin & Simpson . . . . .	Rent of horse and buggy . . . . .	62.30
	Consolidated Gas Co . . . . .	Gas for stereotyping . . . . .	.33
	Pacific Micro. Materials Co . . . . .	Apparatus for testing water . . . . .	8.35
	Foote, Pierson & Co . . . . .	Lightning arresters . . . . .	3.00
	Plaster & Robey . . . . .	Wagon springs . . . . .	5.50
	S. A. D. Keister . . . . .	Ink and muelage . . . . .	3.25
	Alexander, Baker & Co. (Limited) . . . . .	Index cards . . . . .	4.75
	W. H. Light . . . . .	Running levels . . . . .	5.00
	Western Union Telegraph Co . . . . .	Constructing loop . . . . .	180.83
	Frank Jermin . . . . .	Station expenses . . . . .	1.25
	H. C. Howe . . . . .	do . . . . .	4.50
	C. F. Schneider . . . . .	Express charges . . . . .	6.50
	Charleston, substations . . . . .	Pay roll . . . . .	73.60
	A. Zappone . . . . .	Traveling expenses . . . . .	5.80
	Atlanta, substations . . . . .	Pay roll . . . . .	202.00
	do . . . . .	do . . . . .	18.25
	Augusta substations . . . . .	do . . . . .	165.60
	do . . . . .	do . . . . .	30.00
	Baltimore, substations . . . . .	do . . . . .	90.00
	Cincinnati, substations . . . . .	do . . . . .	187.00
	Chattanooga, substations . . . . .	do . . . . .	140.00
	Duluth, substations . . . . .	do . . . . .	150.00
	Galveston, substations . . . . .	do . . . . .	30.00
	Indianapolis, substations . . . . .	do . . . . .	183.60
	New York, substations . . . . .	do . . . . .	35.00
	New Haven, substations . . . . .	do . . . . .	48.00
	Cairo, substations . . . . .	do . . . . .	133.90
	Des Moines, substations . . . . .	do . . . . .	237.00
	Kansas City, substations . . . . .	do . . . . .	308.60
	Louisville, substations . . . . .	do . . . . .	294.40
	Montgomery, substations . . . . .	do . . . . .	49.75
	do . . . . .	do . . . . .	153.20
	Milwaukee, substations . . . . .	do . . . . .	180.00
	Memphis, substations . . . . .	do . . . . .	51.00
	do . . . . .	do . . . . .	220.80
	New Orleans, substations . . . . .	do . . . . .	165.40
	do . . . . .	do . . . . .	127.50
	Omaha, substations . . . . .	do . . . . .	25.10
	Port Huron, substations . . . . .	do . . . . .	225.00
	Portland, Me., substations . . . . .	do . . . . .	90.00
	Portland, Oreg., substations . . . . .	do . . . . .	60.00
	do . . . . .	do . . . . .	130.00
	Sault Ste. Marie, substations . . . . .	do . . . . .	135.00
	Savannah, substations . . . . .	do . . . . .	61.00
	Vicksburg, substations . . . . .	do . . . . .	84.00
	do . . . . .	do . . . . .	110.40
	Wilmington, substations . . . . .	do . . . . .	72.00
	do . . . . .	do . . . . .	128.60
	N. W. Wagner . . . . .	Services . . . . .	21.00
	C. P. Disney . . . . .	do . . . . .	21.00
	P. J. Edwards . . . . .	do . . . . .	14.40
	J. W. Byram . . . . .	Telephone rent . . . . .	6.10
	M. B. Stubbs . . . . .	Station expenses . . . . .	22.33

Expenditures of the Department of Agriculture for fiscal year ending June 30, 1904—Cont'd.

## WEATHER BUREAU, GENERAL EXPENSES—Continued.

Date.	Name.	Nature of payment.	Total.
1903.			
Oct. 24	A. Zappone.....	Traveling expenses.....	\$7.35
	E. R. Miller.....	do.....	28.45
	C. L. Mills.....	do.....	11.55
	W. G. Stimpson.....	do.....	2.60
	W. L. Moore.....	do.....	5.80
	W. M. Wilson.....	do.....	38.95
	C. W. Schmid.....	Services.....	6.25
	J. J. O'Donnell.....	Subsistence.....	30.00
	J. A. Balster.....	Station expenses.....	7.75
	F. H. Clarke.....	do.....	1.37
	A. McC. Ashley.....	Drayage, etc.....	3.00
	F. H. Brandenburg.....	Benzine.....	1.20
	J. W. Bauer.....	Express charges, etc.....	4.05
	T. F. Townsend.....	Iron can.....	.80
	L. H. Daingerfield.....	Telephone holder.....	2.00
	P. De Graw.....	Station expenses and subsistence.....	207.15
	B. C. Kadel.....	Subsistence.....	61.00
	J. Fitzgerald.....	Station supplies.....	1.70
	R. M. Geddings.....	Drayage.....	1.70
	D. Cuthbertson.....	Station expenses.....	14.00
	C. W. Ling.....	Post-office box rent.....	1.50
	A. F. Sims.....	Express charges.....	2.60
	Crutsinger Roller Co.....	Recasting rollers.....	2.00
	Crescent Iron Works.....	Iron fence.....	49.50
	Southern Bell Telephone and Telegraph Co.....	Telephone services.....	8.25
	Southwestern Telegraph and Telephone Co.....	do.....	15.00
	Central Union Telephone Co.....	do.....	25.50
	Pacific States Telephone and Telegraph Co.....	do.....	39.00
	do.....	do.....	4.50
	A. Lynn e'Hijos de Perez Moris.....	Printing climate and crop reports.....	78.00
	Houghton County Electric Light Co.....	Electric light.....	5.97
	Needham Brothers.....	Washing towels.....	1.83
	P. A. Willis.....	Rent of roof and flagstaff.....	10.00
	Successores de J. B. Vicini.....	Office rent.....	120.00
	A. L. Cook.....	do.....	90.00
	J. E. Dooly.....	do.....	150.00
	Chamber of Commerce Building Co.....	do.....	93.21
	M. E. Shelden.....	do.....	93.75
	Cleary Bros.....	do.....	130.60
	Estate of J. G. Hatch.....	do.....	64.75
	A. B. Smith.....	do.....	85.35
31	Alpena, substations.....	Pay roll.....	105.00
	Cleveland, substations.....	do.....	254.63
	Fort Smith, substations.....	do.....	39.00
	Houghton, substations.....	do.....	60.00
	La Crosse, substations.....	do.....	95.00
	Little Rock, substations.....	do.....	60.00
	Minneapolis, substations.....	do.....	338.20
	Mobile, substations.....	do.....	147.20
	do.....	do.....	72.00
	Nashville, substations.....	do.....	72.40
	New Orleans, substations.....	do.....	147.00
	do.....	do.....	239.00
	Omaha.....	do.....	218.60
	Richmond, substations.....	do.....	7.50
	St. Louis, substations.....	do.....	120.45
	do.....	do.....	165.60
	Savannah, substations.....	do.....	184.00
	Shreveport, substations.....	do.....	42.50
	Sioux City, substations.....	do.....	84.00
	Columbus, substations.....	do.....	275.80
	Jacksonville, substations.....	do.....	75.00
	Pittsburg, substations.....	do.....	369.00
	Raleigh, substations.....	do.....	120.00
	H. Hamilton.....	Services.....	15.00
	H. C. Pillichody.....	do.....	30.00
	C. P. Searle.....	do.....	30.00
	W. A. Crawford.....	do.....	2.50
	J. Hyslop.....	do.....	30.00
	J. E. Cotter.....	do.....	15.75
	Norfolk and Washington D. C., Steamboat Co.....	Passenger transportation.....	6.00
	Peninsular and Occidental Steamship Co.....	do.....	12.50
	Washington Southern Rwy. Co.....	do.....	6.05
	Clinkett & Coates.....	Office rent.....	69.25
	Union Trust Building Co. (Limited).....	do.....	167.50
	The First National Bank of Moorhead.....	do.....	66.31
	Adam Geiger.....	do.....	60.00
	Fraternal Hall Association.....	do.....	105.00
	E. L. Renoe.....	do.....	150.00

Expenditures of the Department of Agriculture for fiscal year ending June 30, 1904—Cont'd.

## WEATHER BUREAU, GENERAL EXPENSES—Continued.

Date.	Name.	Nature of payment.	Total.
1903.			
Oct. 31	D. B. Dodge	Office rent	\$59.99
	E. P. Jones	do	25.00
	Charles Baldwin	do	112.50
	Improvement Loan and Trust Co.	do	50.00
	do	do	137.50
	J. R. Hunter, agent	do	279.00
	K. Wagner	do	75.00
	Marquette County Savings Bank	do	90.00
	J. W. Cronk	Drayage	1.50
	E. C. Vose	Office expenses, etc.	3.00
	M. E. Blystone	do	.80
	A. G. McAdie	Expressage	1.40
	H. C. Bate	Traveling expenses	15.75
	E. C. Vose	do	9.00
	A. G. McAdie	do	7.25
	J. L. Cline	do	20.00
	Morgan City Improvement Co. (Limited)	Electric light	2.50
	Sociedad Anonima Luz Electrica	do	21.60
	The Commercial Electric Co.	do	7.72
	F. G. Blaisdell	Telephone and water	16.50
	Iowa Telephone Co.	Telephone services	15.00
	Union Trust Co.	Extending telephone line	23.08
	Marthas Vineyard Telegraph Co.	Telegraph services	30.42
	do	do	31.43
	Southern Bell Telephone and Telegraph Co.	Telephone services	18.00
	Mutual Telephone Co.	do	11.25
	Pacific States Telephone and Telegraph Co.	do	35.10
	Union Trust Co.	do	9.00
	Independent Telephone Co.	do	7.00
	Direct West India Cable Co. (Limited)	Telegraph services	216.74
	Corvallis and Eastern R. R. Co.	do	2.50
	Northwestern Telephone Exchange Co.	Telephone services	9.00
	Rising Sun Telegraph Line	Telegraph services	2.50
	Cherry County Telephone Co.	Telephone services	7.50
	Southern Bell Telephone and Telegraph Co.	do	21.50
	Rocky Mountain Bell Telephone Co.	do	15.00
	Williston Telephone Exchange	do	6.00
	Pacific States Telephone and Telegraph Co.	Moving telephone	2.50
	Cuba Submarine Telegraph Co. (Limited)	Telegraph services	14.15
	Minneapolis, St. Paul, and Sault Ste. Marie Rwy. Co.	do	17.04
	Enterprise Telegraph Co.	do	7.80
	W. S. Brockman	Services	1.75
	E. Edwards	do	4.00
	L. C. Collins	do	30.00
	W. S. Mitchell	Ice	4.60
	C. C. Gay	Services	2.00
	F. M. McKeough	do	3.25
	E. W. Peake	do	4.00
	St. Louis Toilet Supply Co.	Towel supply	4.50
	C. H. Whedon	Services	7.00
	Galveston Gas Co.	Gas	8.40
	J. J. Walsh & Son	Services	12.00
	F. Smith	do	1.00
	R. D. Harvey	do	10.00
	R. S. Albright & Co.	do	9.00
	E. M. Bush Hardware Co.	Tools	17.60
	Amarillo Water, Light, and Power Co.	Water and electric light	13.47
	L. F. Willoughby	Sundries	3.25
	J. P. Geary	Drayage	15.50
	Gamble & Ludwig	Gasoline, etc.	1.20
	R. N. Covert	Services	3.00
	Buxton & Skinner Stationery Co.	Ink	2.15
	W. H. Jenks	Services	6.65
	Albertson Stationery and Book Co.	Ink	11.50
	H. J. Green	Thermometers	400.00
	F. Freeman	Services	2.00
	The Fair	Clamps	.90
	L. K. Clark	Services	1.00
	The Bennett Printing House	do	60.00
	H. B. Hartman	do	5.50
	H. R. Eley	do	2.50
	A. M. D. Holloway	do	20.50
	S. H. Quint's Sons	Rubber stamp	1.25
	D. Daly	Services	2.70
	L. H. Jones & Co.	do	2.70
	E. Determann	Frame and glass	4.50
	T. J. Tillett	Services	12.00
	L. Graton	do	1.50



*Expenditures of the Department of Agriculture for fiscal year ending June 30, 1904—Cont'd.*

WEATHER BUREAU, GENERAL EXPENSES—Continued.

Date.	Name.	Nature of payment.	Total.
1903.			
Oct. 13	Enterprise Ice Co	Ice	\$3.95
	I. Gevurtz & Sons	Furniture	68.00
	Statesman Printing Co.	Printing	99.00
	F. A. Harris	Services	2.00
	L. S. Woodhouse	do	8.00
	The General Cartage and Storage Co.	do	5.35
	Inland Type Foundry	Brass rule	4.27
	W. and J. Sloane & Co.	Carpet	19.40
	Salt Lake Transfer Co.	Drayage	1.50
	American Linen Supply Co.	Towel supply	3.00
	Salt Lake Ice Co.	Ice	9.00
	Postal Telegraph Cable Co. of Texas	Telegraph services	113.19
	Postal Telegraph Cable Co.	do	39.59
	do	do	12.28
	do	do	39.54
	do	do	60
	do	do	242.11
	do	do	707.35
	The Great Northwestern Telegraph Co. of Canada.	do	156.41
	American Writing Machine Co.	Typewriter	72.25
	Maurice Joyce Engraving Co.	Photo-engraving	19.82
	Lamb & Tilden	Rubber stamps	1.42
	M. G. Copeland	Pennant	5.75
	R. Carter Ballantyne	Willow baskets	9.90
	Rudolph, West & Co.	Repairing ceiling	21.90
	J. C. Parker	Pins	4.92
	do	Book paper	81.90
	do	do	1,050.00
	do	Stationery supplies	1,012.29
	do	Absorbent paper	5.70
	W. B. Moses & Sons	Window shades	14.02
	do	Wardrobe	9.75
	Woodward & Lothrop	Dusters, towels, etc.	345.37
	Thos. Somerville & Sons	Steam fittings	.57
	do	Sheet packing	5.44
	S. J. Venable	Map frames	320.00
	B. F. Larcombe et al.	Pay roll, printing office	2,485.30
	Delano & Moore	Photographic material	19.35
	J. R. Cochran	Horse	185.00
	Philip Lindemeyer	Coachboard	18.00
	Galveston, substations.	Pay roll	478.20
	Chicago, substations.	do	585.00
	Knoxville, substations.	do	110.75
	Galveston, substations.	do	16.00
	M. Nesbit	Services	18.40
	R. S. Culbertson	do	21.00
	P. Wood	Plowing and seeding	3.00
	J. R. Williams	Ice and office supplies	18.50
	B. C. Kadel	Station expenses	56.72
	J. Warren Smith	Traveling expenses	17.46
	J. B. Marbury	do	71.76
	Century Electric Co.	Battery cells	234.00
	Walter Washam	Painting river gauge	3.50
	J. R. Eastwood	Repairing telephone	5.00
	J. W. Hession	Painting roof	25.00
	Tarbett, Themister Co.	Part for printing press	4.00
	C. J. Cain	Hauling	40.00
	J. W. Cole	Services	4.00
	C. P. Nutter	do	2.00
	F. J. Finck	Recasting rollers	3.00
	G. W. O'Brien	Rent	18.00
	Werner Swasey Co.	Field glasses	90.00
	G. E. French & Co.	Silver sand	3.00
	Christ Kanzler & Son	Steps and rail	12.00
	United States Envelope Co.	Envelopes	36.45
	Rocky Mountain Bell Telephone Co.	Telephone services	46.10
	do	do	34.10
	Southern Bell Telephone and Telegraph Co.	do	7.50
	John Clarke	do	6.10
	Dakota Central Telephone Lines (Incorporated).	do	98.90
	Iowa Telephone Co.	do	7.70
	Delaware and Atlantic Telegraph and Telephone Co.	do	12.00
	Cumberland Telephone and Telegraph Co.	do	7.20
	New England Telephone and Telegraph Co.	Telegraph services	.70
	Pacific States Telephone and Telegraph Co.	do	9.90
	Jacksonville and St. Johns Bar Telegraph Line.	do	9.00

Expenditures of the Department of Agriculture for fiscal year ending June 30, 1904—Cont'd.

WEATHER BUREAU, GENERAL EXPENSES—Continued.

Date.	Name.	Nature of payment.	Total.
1903.			
Nov. 5	The Cuba Submarine Telegraph Co. (Limited)	Telegraph services	\$14.50
7	Boston, substations	Pay roll	753.25
	C. Sevilla	Services	5.00
	A. P. Curtin	do	1.75
	H. J. Ledoux	do	7.12
	R. Tyler	Printing	10.00
	Honeyman Hardware Co.	Block and tackle	4.50
	B. J. Lund & Co.	Coal	101.60
	J. L. Tucker	Services	5.00
	Bartlett Bros	do	8.00
	J. R. Hobbs	do	9.00
	H. A. Poole	do	2.50
	L. M. Barnes	do	10.00
	W. W. Best	do	10.00
	L. F. Willoughby	Type, etc.	6.91
	Albany Hardware and Iron Co.	Hardware	4.00
	Valley Paper Co.	Letter paper	165.00
	Plaster & Robey	Fuse	5.00
	American Type Founders Co.	Type	43.86
	do	do	10.09
	Inland Type Foundry	Stereotype block	4.39
	H. J. Green	Repairs to instruments	62.10
	do	Instruments	400.00
	Queen & Co. (Incorporated)	do	577.50
	P. Gray & Sons	Lanterns	375.00
	H. Cavanaugh	Services	5.00
	J. C. Cottingham & Sons	Halyards, etc.	5.40
	Megath Stationery Co.	Stationery supplies	2.70
	Florida Electric Co.	Wiring lanterns	20.00
	H. B. Hersey	Traveling expenses	43.00
	A. Zappone	do	3.80
	J. Brown	do	3.80
	E. A. Beals	Office expenses	13.85
	W. T. Lathrop	do	2.95
	do	Subsistence	30.00
	E. C. Thompson	Office expenses	18.29
	J. J. Gray	Meals and lodging	45.00
	M. G. Roves	Rent	40.00
	M. M. Latta	do	25.00
	Norwich University	Electric light	21.50
	New Orleans and Carrollton R. R. Light and Power Co.	do	5.40
	Board of Public Service Light Department	do	4.11
	New Orleans Lighting Co., lessee	Gas light	16.75
	The Citizens Gas and Electric Co	Electric light	3.83
	New London Gas and Electric Co	do	4.10
	Cumberland Telephone and Telegraph Co.	Telephone services	12.30
10	Charleston, substations	Pay roll	24.80
	Vicksburg, substations	do	37.20
	O. W. Bye	Horse hire	2.00
	E. B. Richards	Traveling expenses	16.25
	H. E. Hobbs	Station expenses	7.53
	D. A. Seeley	Express charges	1.45
	A. Jacobus	Painting instrument shelter	9.00
	G. Elliott	Ice	3.00
	Galveston Electric Co.	Electric light	3.96
	Consolidated Gas Co. of New Jersey	do	6.18
	The Seattle Electric Co.	do	2.40
	Northern California Power Co.	do	1.50
	P. H. Cheney & Sons	do	5.62
	E. H. Bowie	Board and lodging	36.35
	H. E. Hobbs	Subsistence	30.00
	C. H. Richardson	Subsistence and station supplies	37.50
	T. Buffington	Repairing instrument shelter	1.00
	Fertig & Kevers	do	27.00
	United States Envelope Co.	Envelopes	51.60
	F. D. Day & Co.	Marine glasses	16.50
	E. A. Brown	Repairing clock	1.50
	L. C. Specht	Repairing typewriter	8.40
	The Smith-Premier Typewriter Co.	do	16.75
	Arkansas Typewriter Exchange	do	6.00
	D. B. Spellman Co.	Repairing droplight	1.85
	H. G. Turley	Iron pipe	18.00
	J. A. Roebblings Sons Co.	Rope	1.95
	The H. & W. B. Drew Co.	Printing	63.05
	Phillips, Smith & Van Orden	do	45.00
	Northwestern Telephone Exchange	Telephone services	10.50
	The Chesapeake and Potomac Telephone Co.	do	2.70
	Cumberland Telephone and Telegraph Co.	do	10.30
	Union Trust Co., Detroit	do	9.20

374 EXPENDITURES IN DEPARTMENT OF AGRICULTURE.

Expenditures of the Department of Agriculture for fiscal year ending June 30, 1904—Cont'd.

WEATHER BUREAU, GENERAL EXPENSES—Continued.

Date.	Name.	Nature of payment.	Total.
1903.			
Nov. 10	Chicago, Burlington and Quincy Rwy. Co. . . . .	Passenger transportation . . . . .	\$55.95
	Chicago, St. Paul, Minneapolis and Omaha Rwy. Co. . . . .	do . . . . .	26.00
	Nashville, Chattanooga and St. Louis Rwy. . . . .	do . . . . .	25.00
	New York, New Haven and Hartford R. R. Co. . . . .	do . . . . .	14.73
	North Shore R. R. Co. . . . .	do . . . . .	1.50
	do . . . . .	do . . . . .	12.00
	E. H. Bowie . . . . .	Traveling expenses . . . . .	10.75
	O. L. Blue . . . . .	Towel supply . . . . .	.50
	U. G. Pursell . . . . .	Drayage . . . . .	.50
	Charleston, substations . . . . .	Pay roll . . . . .	35.00
	Galveston, substations . . . . .	do . . . . .	230.98
	New York, substations . . . . .	do . . . . .	35.00
	W. H. Rollinson . . . . .	Brooms . . . . .	1.80
	E. E. Day . . . . .	Expressage . . . . .	.35
	The Pacific Transfer Co. . . . .	do . . . . .	43.26
14	Mobile, substations . . . . .	Pay roll . . . . .	49.60
	W. M. Wilson . . . . .	Traveling expenses . . . . .	30.71
	C. H. Eshelman . . . . .	do . . . . .	4.45
	H. B. Boyer . . . . .	Drayage . . . . .	.80
	F. P. Chaffee . . . . .	Expressage . . . . .	2.99
	Oregon Railroad and Navigation Co. . . . .	Passenger transportation . . . . .	83.90
	The Pennsylvania R. R. Co. . . . .	do . . . . .	60.15
	New Bedford, Marthas Vineyard and Nantucket Steamboat Co. . . . .	do . . . . .	3.25
	Stewart & Barton . . . . .	Painting . . . . .	20.00
	D. Baird . . . . .	Flagstaff . . . . .	95.00
	Union Trust Co., Detroit . . . . .	Telephone services . . . . .	12.00
	J. H. Richmond . . . . .	Painting . . . . .	3.00
	A. Deitz . . . . .	Printing . . . . .	9.00
	A. B. Pitman . . . . .	Repairing telegraph line . . . . .	1.25
	J. L. Walker . . . . .	Repairing cart . . . . .	15.00
	F. Andres . . . . .	Painting river gauge . . . . .	55.50
	Acme Publishing Co. . . . .	Printing . . . . .	45.50
	The Union Ice Co. . . . .	Ice . . . . .	9.20
	Consumers Ice Co. . . . .	do . . . . .	6.09
	Crystal Ice Co. . . . .	do . . . . .	2.64
	G. A. von Blucher . . . . .	do . . . . .	1.55
	H. G. Machenheimer . . . . .	Fuel . . . . .	30.00
	G. W. Anderson & Sons . . . . .	Linoleum . . . . .	23.75
	Barnhart Bros. & Spindler . . . . .	Type . . . . .	14.30
	R. D. Bayne . . . . .	Services . . . . .	7.00
	C. F. Barnes . . . . .	do . . . . .	2.50
	E. Drinkwater . . . . .	do . . . . .	2.50
	New Orleans, substations . . . . .	Pay roll . . . . .	80.60
	Galveston, substations . . . . .	do . . . . .	161.20
	Ina N. Wade . . . . .	Services . . . . .	26.67
	F. H. Wade . . . . .	do . . . . .	3.33
	Little Rock, substations . . . . .	Pay roll . . . . .	309.60
	Oklahoma, substations . . . . .	do . . . . .	235.40
	Savannah, substations . . . . .	do . . . . .	67.20
	F. P. Chaffee . . . . .	Traveling expenses . . . . .	4.28
	A. G. Burns . . . . .	Cartage and brooms . . . . .	1.75
	W. M. Fulton . . . . .	Station expenses . . . . .	10.80
	J. J. O'Donnell . . . . .	Board and lodging . . . . .	31.00
	A. A. Kimball . . . . .	Services . . . . .	10.00
	M. Kaneen . . . . .	do . . . . .	3.00
	Coston Signal Co. (Incorporated) . . . . .	Signal holders . . . . .	4.00
	Heybach-Bush Co. . . . .	Stereotype metal . . . . .	7.00
	The Potomac Terra Cotta Co. . . . .	Conduit, etc . . . . .	44.80
	R. G. Thomas . . . . .	Services . . . . .	3.00
	W. H. Light . . . . .	do . . . . .	7.50
	Petoskey Rug Manufacturing Carpet Co. (Limited) . . . . .	Cleaning carpet . . . . .	10.00
	The Remington Typewriter Co. . . . .	Repairing typewriter . . . . .	12.79
	T. B. Satterwhite & Co. . . . .	Ice . . . . .	5.30
	The Huron Village Electric Light Co. . . . .	Electric light . . . . .	10.45
16	Willis L. Moore . . . . .	Traveling expenses . . . . .	526.10
18	Morris European and American Express Co. (Limited) . . . . .	Freight charges . . . . .	7.25
	Rome, Watertown and Ogdensburg R. R. Co. . . . .	do . . . . .	1.20
	New York Central and Hudson River R. R. Co. . . . .	do . . . . .	.90
	Pennsylvania Co. . . . .	do . . . . .	.45
	Pennsylvania R. R. Co. . . . .	do . . . . .	18.02
	do . . . . .	do . . . . .	1.11
	Star Union Line . . . . .	do . . . . .	1.25
	do . . . . .	do . . . . .	.54
	Burlington Route, Missouri Lines . . . . .	do . . . . .	.90



Expenditures of the Department of Agriculture for fiscal year ending June 30, 1904—Cont'd.

WEATHER BUREAU, GENERAL EXPENSES—Continued.

Date.	Name.	Nature of payment.	Total.
1903.			
Nov. 18	Wabash R. R. Co.....	Freight charges.....	\$0.70
	..do.....	..do.....	1.12
	Denver and Rio Grande R. R. Co.....	..do.....	2.64
	New Bedford, Marthas Vineyard and Nantucket Steamboat Co.....	..do.....	2.74
	Virginia and Truckee R. R. Co.....	..do.....	.25
	Union Pacific R. R. Co.....	..do.....	44.36
	..do.....	..do.....	10.41
	Cleveland, Cincinnati, Chicago and St. Louis Rwy. Co.....	..do.....	2.74
	..do.....	..do.....	2.08
	Southern Rwy. Co.....	..do.....	3.58
	..do.....	..do.....	1.90
	..do.....	..do.....	.76
	..do.....	..do.....	4.30
	Atchison, Topeka and Santa Fe Rwy. Co.....	..do.....	10.25
	C. H. Mallory & Co.....	..do.....	1.25
	..do.....	..do.....	1.25
	Lehigh Valley R. R. Co.....	..do.....	.90
	..do.....	..do.....	.45
	American Express Co.....	..do.....	9.00
	..do.....	..do.....	3.00
	Norfolk and Western Rwy Co.....	..do.....	.57
	Erie and Western Transportation Co.....	..do.....	1.90
	O'Callahan, Nelson & Co.....	..do.....	1.75
	Norfolk and Southern R. R. Co.....	..do.....	.53
	Galveston, Harrisburg and San Antonio Rwy. Co.....	..do.....	1.71
	Steamer Alexander Volta.....	..do.....	25.00
	Atlantic Coast Line R. R. Co.....	..do.....	2.21
	Richmond, Fredericksburg and Potomac R. R. Co.....	..do.....	.92
	W. R. Motton.....	Drayage.....	1.15
	St. Louis Transfer Co.....	..do.....	1.60
	W. T. Blythe.....	..do.....	6.99
	B. A. Blundon.....	Traveling expenses.....	34.06
	A. Zappone.....	..do.....	3.80
	G. J. Heck.....	..do.....	7.25
	T. S. Outram.....	Drayage.....	3.52
	L. C. Cover.....	..do.....	2.00
	W. C. Devereaux.....	Subsistence.....	35.26
	The Wm. E. French Co.....	Repairing carpet.....	2.50
	Sneed & Rich.....	Cleaning carpet.....	8.00
	Frank Bell.....	Repairing furniture.....	3.00
	American Ice Co.....	Ice.....	.65
	R. G. Sleater.....	Printing climate and crop reports.....	48.00
	M. A. Butler.....	Telephone message.....	.35
	A. A. Finck.....	Printing climate and crop reports.....	13.00
	R. W. Basnett.....	Wood and coal.....	80.00
	Montgomery, substations.....	Pay roll.....	55.80
19	F. Jermin.....	Traveling expenses.....	15.25
	J. W. Smith.....	..do.....	50.00
	J. J. Gray.....	..do.....	4.35
	G. B. Wurtz.....	..do.....	2.95
	W. T. Blythe.....	..do.....	14.10
	L. M. Tarr.....	..do.....	2.05
	..do.....	..do.....	34.25
	..do.....	Drayage and repairing instrument shelter.....	22.42
	O. L. Fassig.....	Traveling expenses.....	38.80
	..do.....	Station expenses.....	4.95
	R. J. Hyatt.....	..do.....	.50
	M. B. Stubbs.....	Subsistence.....	31.00
	M. W. Hayes.....	Station expenses.....	4.50
	H. E. Hobbs.....	Subsistence.....	31.00
	C. H. Richardson.....	Station expenses.....	30.00
	Wilmington, substations.....	Pay roll.....	43.40
	Atlanta, substations.....	..do.....	67.60
	Memphis, substations.....	..do.....	74.40
	Louisville, substations.....	..do.....	64.00
	Atlanta, substations.....	..do.....	61.50
	Wm. Ballantyne & Sons.....	Hann's Climatology.....	236.00
	J. C. Parker.....	Envelopes.....	79.05
	..do.....	Paper.....	62.50
	..do.....	..do.....	336.00
	Lamb & Tilden.....	Stamps.....	1.04
	..do.....	Rubber stamps.....	1.22
	..do.....	..do.....	2.12
	..do.....	..do.....	1.22
	Lutz & Co.....	Horse collar.....	5.00

Expenditures of the Department of Agriculture for fiscal year ending June 30, 1904—Cont'd.

## WEATHER BUREAU, GENERAL EXPENSES—Continued.

Date.	Name.	Nature of payment.	Total.
1903.			
Nov. 19	Lutz & Co.	Harness	\$192.50
.....do.	.....do.	Horse blankets	15.00
.....do.	United States Express Co.	Express charges	37.15
.....do.	Geo. F. Muth & Co.	Concentrated lye	21.12
.....do.	L. S. Depue	Hay, straw, oats, and corn	30.64
.....do.	James B. Lambie Co. (Incorporated)	Brass rod, etc.	33.25
.....do.	.....do.	Cotton waste	54.48
.....do.	.....do.	Hinges	1.20
.....do.	R. P. Andrews & Co. (Incorporated)	Paper	233.02
.....do.	.....do.	Oil	22.75
.....do.	Rudolph, West & Co.	Halyards	84.50
.....do.	.....do.	Spigots	1.00
.....do.	Flint & Walling Manufacturing Co.	Steel flagstaff	55.80
.....do.	.....do.	.....do.	27.90
.....do.	The Smith Premier Typewriter Co.	Repairing typewriter	14.00
.....do.	W. B. Moses & Sons	Chairs	23.23
.....do.	Woodward & Lothrop	Desk and chairs	255.02
.....do.	R. Carter Ballantyne	Tissue paper	68.25
.....do.	Frederick Carl	Map-making symbols	25.00
.....do.	Edward Mullin	White rags	14.00
.....do.	Wm. H. Dyer	Sawdust	1.75
.....do.	S. J. Venable	Stencil	3.75
.....do.	Wm. Nordhoff	Parts of barograph	6.60
.....do.	National Electrical Supply Co.	Rubber tube	5.00
.....do.	A. Eberly's Sons	Stove, etc.	31.50
.....do.	National Printer's Supply Co.	Benzine cans	1.34
.....do.	Z. D. Gilman	Bottles	4.63
.....do.	E. E. Howell	Relief map	30.00
.....do.	Littlefield, Alvord & Co.	Drayage	4.00
.....do.	Claybourne Burner Co.	Repairing gas pipe	2.00
.....do.	Remington Typewriter Co.	Repairing typewriter	12.25
.....do.	J. C. Entwistle	Engraving rain chart	10.00
.....do.	Remington Typewriter Co.	Repairing typewriter	.60
.....do.	Pacific States Telephone and Telegraph Co.	Telegraph services	6.10
.....do.	Elizabeth City and Norfolk Telegraph Co.	.....do.	4.80
.....do.	Alabama, Mississippi, and Tennessee Telephone Co.	.....do.	6.75
.....do.	Home Telephone Co.	.....do.	10.80
.....do.	Cumberland Telephone and Telegraph Co.	.....do.	115.00
.....do.	Elizabeth City and Norfolk Telegraph Co.	.....do.	7.32
.....do.	East Tennessee Telephone Co.	Telephone services	15.00
.....do.	.....do.	.....do.	2.00
.....do.	Norfolk and Western Rwy. Co.	Passenger transportation	5.95
.....do.	Cleveland, Cincinnati, Chicago, and St. Louis Rwy. Co.	.....do.	5.00
.....do.	Southern Rwy. Co.	.....do.	20.09
.....do.	Vicksburg Herald	Printing climate and crop reports	23.50
.....do.	F. S. Ewing	Ice	16.15
.....do.	D. J. Snow	Wood	18.00
.....do.	Ray Stephens	Surveying	4.00
.....do.	Fee & Stewart Co.	Station supplies	15.00
.....do.	Williams & Barnett	Ice	6.00
.....do.	C. Robb	Photograph of building	1.00
.....do.	P. D. Clack	Drayage	1.75
.....do.	Willis L. Moore	Traveling expenses	4.80
.....do.	M. J. Driscoll	.....do.	6.30
.....do.	R. M. Harding	.....do.	10.90
.....do.	C. E. Johnson	Ferriage	3.25
.....do.	J. B. Marbury	Drayage, etc.	5.30
.....do.	F. W. Fischer	Traveling expenses	7.35
.....do.	G. N. Salisbury	.....do.	10.75
.....do.	W. R. Pratt	.....do.	.50
.....do.	C. H. Richardson	Station expenses	18.50
.....do.	J. Kenealy	.....do.	2.90
.....do.	G. B. Wurtz	.....do.	2.74
.....do.	Boston substations	Pay roll	7.00
.....do.	H. B. Hersey	Traveling expenses	9.35
.....do.	J. Warren Smith	.....do.	10.20
.....do.	A. H. Thiessen	.....do.	55.00
.....do.	.....do.	.....do.	29.45
.....do.	.....do.	.....do.	24.95
.....do.	W. M. Wilson	Drayage, etc.	9.30
.....do.	W. L. Day	Station expenses	10.37
.....do.	L. H. Murdoch	Drayage	12.74
.....do.	J. P. Slaughter	Repairing clock, etc.	2.85
.....do.	W. S. Belden	Station expenses	3.85
.....do.	C. H. Richardson	Subsistence and station expenses	41.50
.....do.	O. W. Roberts	Station expenses	6.50
.....do.	E. C. Vose	Traveling expenses	13.60
.....do.	B. H. Bronson	.....do.	47.80

EXPENDITURES IN DEPARTMENT OF AGRICULTURE. 377

Expenditures of the Department of Agriculture for fiscal year ending June 30, 1904—Cont'd.

WEATHER BUREAU, GENERAL EXPENSES—Continued.

Date.	Name.	Nature of payment.	Total.
1903.			
Nov. 19	M. A. Robinson	Subsistence	\$40.00
24	W. B. Moses & Sons	Rugs	95.40
	do.	Desk	11.00
	J. C. Parker	Cardboard	201.09
	do.	do	740.00
	J. W. Jordan	Proof rollers	11.87
	D. F. Parker	Typewriter ribbons	51.75
	J. B. Lambie Co. (Incorporated)	Blocks	4.50
	C. A. Schneider's Sons	Castings	.65
	Delano & Moore	Developer	7.50
	R. P. Andrews & Co (Incorporated)	Cards	554.80
	do.	Packing cards	49.00
	The J. C. Ergood Co.	Soap	50.00
	R. C. Ballantyne	Pens	19.68
	Fritz Andres	Instrument shelter	8.00
	N. H. Lovin	Repairing windows, etc.	12.50
	Campbell Printing Press Manufacturing Co.	Ratchet lever	2.00
	G. Fostberg	Painting instrument shelter	2.25
	H. H. Kyle	Constructing river gauge	30.76
	Union Envelope Co.	Envelopes	12.20
	Chicago Edison Co.	Repairing motor	7.86
	Geo. W. Millar & Co.	Cardboard	241.56
	American Type Founders Co.	Type	17.54
	E. Bryant	Services	2.00
	Phillips, Smith & Van Orden (Incorporated)	Fixing type	10.00
	C. L. Heath	Stovepipe	2.00
	W. H. Ranney	Recasting rollers	2.50
	D. B. Bancroft	Repairing triple register	4.00
	The Atlantic Electric Light and Power Co.	Electric light	42.50
	Grand Rapids and Indiana Rwy. Co.	Passenger transportation	5.25
	Union Pacific R. R. Co.	do	79.80
	Northern Pacific Rwy. Co.	do	31.15
	The Missouri, Kansas and Texas Rwy. Co.	do	23.40
	Capital Telephone and Telephone Co.	Telephone services	4.50
	Northwestern Telephone Exchange	do	6.00
	Truckee Telephone and Telegraph Co.	do	15.00
	Central Distributing and Printing Telegraph Co.	Telegraph services	17.80
	Cuba Submarine Telegraph Co. (Limited)	do	14.55
	Corvallis and Eastern R. R. Co.	do	2.70
	Rising Sun Telegraph Line	do	2.70
	Cuba Submarine Telegraph Co. (Limited)	do	17.25
	New Orleans, substations	Pay roll	55.80
	F. J. Walz	Traveling expenses	3.80
	E. A. Beals	do	67.85
	R. G. Allen	do	15.71
	Littlefield, Alvord & Co.	Drayage	32.22
	Southern Rwy. Co.	Freight charges	39.26
	Missouri, Kansas and Texas Rwy. Co.	do	.58
	Norfolk and Washington Steamboat Co.	do	5.14
	Grand Rapids and Indiana Rwy. Co.	do	6.51
	Lake Shore and Michigan Southern Rwy. Co.	do	.51
	O'Callaghan, Nelson & Co.	do	5.00
	Lake Erie and Western R. R. Co.	do	.51
	Erie and Western Transportation Co.	do	1.97
	New Orleans and Northeastern R. R. Co.	do	.98
	Norfolk and Southern R. R. Co.	do	2.22
	San Pedro, Los Angeles and Salt Lake R. R. Co.	do	3.88
	William J. Crawford	Drayage	1.80
	St. Louis Transportation Co.	do	1.40
	L. S. Dupue	Hay, corn, straw, and oats	61.22
	Central Vermont Rwy. Co.	Passenger transportation	3.70
	Eastern Steamship Co.	do	4.25
	New York Central and Hudson River R. R. Co.	do	1.74
	Central of Georgia Rwy. Co.	do	4.72
	Pacific States Telephone and Telegraph Co.	Telegraph services	10.80
	Chicago Telephone Co.	Telephone services	9.25
	Home Telephone Co.	do	10.00
	Sioux City, substations	Pay roll	28.00
	John Jordt	Carpet, etc.	76.05
	Meteorological Council	Compiling telegrams	11.19
	Chapin & Simpson	Horse hire	24.50
	R. W. Leshar	Watt meter	12.54
	California Truck Co.	Drayage	8.30
	A. J. Davis	Photograph, drayage, etc.	3.30
	E. C. Vose	Traveling expenses	10.50
	J. Brown	do	8.75



Expenditures of the Department of Agriculture for fiscal year ending June 30, 1904—Cont'd.

## WEATHER BUREAU, GENERAL EXPENSES—Continued.

Date.	Name.	Nature of payment.	Total.
1903.			
Nov. 30	Rocky Mountain Bell Telephone Co.....	Telegraph services.....	\$7.60
	North Montana Telephone Co.....	do.....	21.00
	L. E. Vorce.....	Services.....	10.00
	E. W. McGann.....	Traveling expenses.....	13.50
	G. E. Franklin.....	Station expenses.....	9.50
	W. T. Lathrop.....	Subsistence.....	31.00
	Yates & Co.....	Oil, etc.....	6.20
	do.....	Oil.....	18.70
	New York Telephone Co.....	Telephone services.....	13.50
	G. M. Heiss & Sons.....	Chart frames.....	9.60
	Kansas Farmer Co.....	Printing climate and crop reports.....	40.00
	Wild and Stevens.....	Printing supplies.....	3.25
	Hoke Engraving Plate Co.....	Clamps.....	1.00
	Wm. Curry's Sons.....	Tools.....	23.10
	C. C. Lind.....	Bookcase and shelving.....	38.00
	Standard Electric Co.....	Tool bag and belt.....	4.00
	Arnold & Weatherbee.....	Repairs to storm-warning tower.....	18.50
	The Lorain Electrical Construction Co.....	Repairs to storm-warning tower apparatus.....	42.27
	Hugh Brewer.....	Repairing instrument shelter.....	1.00
	H. Wollenberg.....	Renovating office rooms.....	10.00
	C. L. Heath.....	Repairing grain gauge.....	2.00
	J. Jordt.....	Repairing furniture.....	4.00
	M. N. Hunt.....	Storm windows.....	2.27
	J. P. Nawrath.....	Twine.....	60.24
	The J. M. Klein Electrical Works.....	Copper wire.....	2.10
	A. M. Blythe.....	Erecting tower.....	98.00
	A. M. Adie.....	Horse hire.....	.75
	D. A. McClelland.....	Shelving.....	15.00
	Patterson Transfer Co.....	Drayage.....	1.75
	Frank Smith.....	Horse hire.....	1.00
	H. A. Poole.....	do.....	2.00
	Pett Peterson.....	do.....	.50
	Chas. Smith.....	Repairing telegraph line.....	6.00
	George Beesley.....	do.....	4.00
	Louisville and Nashville R. R. Co.....	Freight charges.....	13.33
	Chicago and Northwestern Rwy. Co.....	do.....	.89
	Cleveland, Cincinnati, Chicago and St. Louis Rwy. Co.....	do.....	.55
	New York, New Haven and Hartford R. R. Co.....	do.....	.45
	The Hickory Valley Rwy. Co.....	do.....	.54
	Atlantic Coast Line R. R. Co.....	do.....	3.06
	W. R. Morton.....	Drayage.....	.38
	St. Louis Transfer Co.....	do.....	1.65
	W. S. Palmer.....	Traveling expenses.....	19.25
	Geo. F. Muth & Co.....	Lamps.....	58.80
	Augusta, substations.....	Pay roll.....	55.80
	M. B. Stubbs.....	Ice.....	3.65
	A. Zappone.....	Traveling expenses.....	3.80
	J. H. Robinson.....	do.....	7.70
	Lamb & Tilden.....	Rubber stamps.....	5.12
	R. P. Andrews & Co. (Incorporated).....	Cards.....	46.90
	Yawman & Erbe Manufacturing Co.....	Sectional bookcase.....	50.00
	Rudolph, West & Co.....	Wastebaskets.....	16.90
	M. Du Perow.....	Storage battery.....	3.55
	E. Mullin.....	Rags.....	14.00
	R. P. Clarke Co.....	Felt.....	69.00
	American Writing Machine Co.....	Typewriters.....	139.50
	Queen & Co. (Incorporated).....	Alcohol.....	5.00
	Chas. Eneu Johnson & Co.....	Ink.....	131.50
	American Type Founders Co.....	Leads.....	5.40
	F. Simmons.....	Scales.....	3.75
	Honeyman Hardware Co.....	Clamp.....	1.75
	Yates & Co.....	Oil, etc.....	4.70
	Dozier & Wells.....	Screens.....	7.50
	E. F. Whittemore.....	Cleaning clock.....	1.50
	Adams Express Co.....	Express charges.....	20.90
	do.....	do.....	20.00
	do.....	do.....	25.52
	Woodward & Lothrop.....	Millinet.....	1.54
	Reinhold Stone.....	Building shed.....	725.00
	W. J. Crawford.....	Drayage.....	2.70
	J. F. Newsom.....	Traveling expenses.....	2.75
	M. B. Stubbs.....	Subsistence.....	19.00
	Willis L. Moore.....	Traveling expenses.....	33.05
	The Delaware and Hudson Co.....	Passenger transportation.....	6.13
	B. F. Larcombe et al.....	Pay roll, printing office.....	2,390.48
Dec. 5	Pelouze Paper and Type Co.....	Cogwheel.....	21.20

Expenditures of the Department of Agriculture for fiscal year ending June 30, 1904—Cont'd.

WEATHER BUREAU, GENERAL EXPENSES—Continued.

Date.	Name.	Nature of payment.	Total.
1903. Dec. 5	Keystone Type Foundry.....	Type.....	\$16.64
	Josiah Conover.....	Board case.....	20.00
	T. G. Crotty.....	Repairing furniture.....	5.50
	The Electric Storage Battery Co.....	Station supplies.....	1.70
	William Savage.....	Laying carpet.....	3.00
	Western Union Telegraph Co.....	Repairing telegraph line.....	4.25
	William Rush.....	Repairing instruments.....	.60
	Loop Lock Machine Co.....	Repairing tools.....	5.00
	Meserve Bros.....	Oak frames.....	9.80
	The Electric Storage Battery Co.....	Rubber jars.....	30.41
	S. S. Rosendorf.....	Desk.....	33.50
	H. W. Douglas.....	Cleaning carpet.....	6.00
	A. J. Sharp.....	Repairing instrument shelter.....	1.40
	August Mietz.....	Kerosene engine, etc.....	172.25
	T. A. Ridley.....	Cleaning carpet.....	12.00
	W. P. Moore.....	Repairing instruments.....	3.00
	A. J. Manthey.....	Instruments.....	29.00
	A. L. Osborne & Co.....	Board walk, etc.....	11.75
	Mack Wellman.....	Repairing furniture.....	97.00
	A. H. Revell & Co.....	Repairing instrument case.....	7.50
	O. J. Maiguel.....	Recasting rollers.....	38.22
	Crutsinger Roller Co.....	do.....	2.00
	M. G. Roves.....	Office rent.....	40.00
	Magrum & Otter (Incorporated).....	Station supplies.....	50.60
	do.....	do.....	50.60
	Houston and Texas Central R. R. Co.....	Freight charges.....	1.60
	Louisville and Nashville R. R. Co.....	do.....	.33
	Steamer New Shoreham.....	do.....	4.48
	Cincinnati, Hamilton and Dayton Rwy. Co.....	do.....	.54
	Richmond, Fredericksburg and Potomac R. R. Co.....	do.....	2.65
	Edmond Hayden.....	Drayage.....	2.06
	Wabash R. R. Co.....	Freight charges.....	.70
	Pittsburg, Cincinnati, Chicago and St. Louis Rwy. Co.....	do.....	.48
	Norfolk and Washington Steamboat Co.....	do.....	6.10
	Missouri, Kansas and Texas Rwy. Co.....	do.....	.56
	Pacific Coast Steamship Co.....	Passenger transportation.....	18.50
	Minneapolis, St. Paul and Sault Ste. Marie Rwy. Co.....	do.....	12.00
	Seaboard Air Line Rwy.....	do.....	6.25
	Chicago Northwestern Rwy. Co.....	do.....	36.10
	Kansas City Southern Rwy. Co.....	do.....	6.50
	E. P. Jones.....	Traveling expenses.....	32.25
	N. B. Conger.....	do.....	216.50
	Arkansas Democrat Co.....	Printer's rollers.....	2.70
	Remington Typewriter Co.....	Repairing typewriter.....	18.65
	Bradner Smith & Co.....	Paper.....	42.00
	J. J. Lawler & Co.....	Back for range.....	10.50
	American Type Founders Co.....	Type.....	18.30
	The Smith Premier Typewriter Co.....	Repairing typewriter.....	14.50
	L. E. Scarr.....	Washing towels.....	1.50
	International Ocean Telegraph Co.....	Telegraph services.....	165.57
	Postal Telegraph-Cable Co.....	do.....	728.97
	do.....	do.....	41.60
	Ocean Tow Boat Line.....	do.....	30.00
	do.....	do.....	30.00
	Postal Telegraph-Cable Co., of Texas.....	do.....	94.81
	Minneapolis, St. Paul and Sault Ste. Marie Rwy. Co.....	do.....	15.90
	Cuba Submarine Telegraph Co. (Limited).....	do.....	7.35
	Marthas Vineyard Telegraph Co.....	do.....	41.59
	Western Union Telegraph Co.....	do.....	960.89
	The Direct West India Cable Co. (Limited).....	do.....	233.96
	Bell Telephone Co. of Buffalo.....	Telephone services.....	9.35
	Bendernagel & Co.....	Recasting rollers.....	3.00
	Phillips, Smyth & Van Orden.....	Printing climate and crop reports.....	45.00
	E. C. Newsam.....	Services.....	125.00
	New York, substations.....	Pay roll.....	35.00
	The Fred Macey Co.....	File case, bookcase, and desk.....	80.04
	J. P. McDonough.....	Repairing printing press.....	11.50
	C. Sutter.....	Packing barometer box.....	1.00
	A. N. Bennett.....	Reeving halyards.....	5.00
	L. T. Darden.....	Linoleum.....	57.60
	M. M. Latta.....	Office rent.....	25.00
	W. J. Kemp.....	Cleaning clock.....	2.00
	D. B. Bancroft.....	Repairing thermograph.....	2.00
	Henninger & Wheeler.....	do.....	2.00
	Pacific States Telephone and Telegraph Co.....	Telegraph services.....	8.30

380 EXPENDITURES IN DEPARTMENT OF AGRICULTURE.

Expenditures of the Department of Agriculture for fiscal year ending June 30, 1904—Cont'd.

WEATHER BUREAU, GENERAL EXPENSES—Continued.

Date.	Name.	Nature of payment.	Total.
1903. Dec. 5	L. Dorman.....	Traveling expenses.....	\$42.12
	W. M. Wilson.....	do.....	6.25
	A. Ashenberger.....	do.....	17.05
	F. J. Walz.....	do.....	162.20
	E. B. Richards.....	Subsistence.....	45.00
	H. C. Bate.....	Traveling expenses.....	2.50
	T. F. Townsend.....	do.....	22.02
	H. F. Alciatore.....	do.....	16.25
	H. B. Hersey.....	do.....	146.50
	H. C. Frankfield.....	do.....	319.74
	H. C. Hobbs.....	Subsistence.....	31.00
	S. W. Glenn.....	Traveling expenses.....	32.15
	Lake Shore and Michigan Southern Rwy. Co.....	Passenger transportation.....	30.37
	Baltimore and Ohio Southwestern R. R. Co.....	do.....	20.25
	Atchison, Topeka and Santa Fe Rwy. Co.....	do.....	30.05
	San Antonio and Aransas Pass Rwy. Co.....	do.....	32.25
	Louisville and Nashville R. R. Co.....	do.....	28.65
	The Missouri Pacific Rwy. Co.....	do.....	8.60
	B. C. Kadel.....	Subsistence.....	47.33
	H. E. Hobbs.....	do.....	22.00
	Tarbett Phemister Co.....	Printers' rollers.....	5.00
	Rigley & Wilson.....	Office chair.....	11.80
	American Type Founders Co.....	Parts for printing press.....	3.20
	Chas. Chilson.....	Repairing storm-warning tower.....	120.00
	H. P. Christensen.....	Painting instrument shelter.....	13.50
	Postal Telegraph-Cable Co.....	Telegraph services.....	602.56
	do.....	do.....	51.20
	Galveston, Harrisburg and San Antonio Rwy. Co.....	Freight charges.....	1.64
7	J. Warren Smith.....	Drayage.....	15.85
14	W. S. Jenks.....	Tin.....	1.80
	J. C. Parker.....	Letter presses and stands.....	191.82
	do.....	Calendar pads and stands.....	4.80
	do.....	Sectional bookcase.....	15.00
	J. E. Turton.....	Instrument stands.....	585.00
	W. H. Rupp Co.....	Ink.....	9.00
	do.....	do.....	6.00
	Port Smith Light and Traction Co.....	Electric Power.....	2.50
	H. A. Moyer.....	Wagon.....	148.00
	The Safety Insulated Wire and Cable Co.....	Cable.....	17.98
	United States Envelope Co.....	Envelopes.....	50.40
	The Friedenwald Co.....	Wrappers.....	1,296.00
	J. E. Hurley.....	Part for printing press.....	12.00
	Norfolk Farm Supply Co.....	Repairs to water tank.....	57.75
	John Wright.....	Varnishing floors.....	10.00
	F. M. Kadel.....	Refitting windows.....	35.00
	Kenffel & Esser Co.....	Drawing table.....	33.00
	W. W. McKee.....	Repairs to river gauge.....	20.00
	C. W. Cash.....	Repairs to telegraph line.....	2.50
	A. O. Fischer.....	do.....	2.00
	N. Creasey.....	do.....	2.50
	K. H. Patrick.....	Repairing roof.....	33.00
	F. J. Massard.....	Wiring electric lanterns.....	40.00
	D. Stephenson.....	Alarm clock.....	1.50
	J. C. Peach.....	Repairing clock.....	1.00
	C. Sevilla.....	Cleaning office.....	5.00
	Southern Rwy. Co.....	Passenger transportation.....	94.20
	New York and Cuba Mail S. S. Co.....	do.....	80.00
	New York, New Haven and Hartford R. R. Co.....	do.....	12.25
	Southern California Rwy. Co.....	do.....	16.80
	Chesapeake and Ohio Rwy. Co.....	do.....	32.00
	Louisville, Henderson and St. Louis Rwy. Co.....	do.....	3.75
	Missouri, Kansas and Texas Rwy. Co.....	do.....	2.65
	Boulton, Bliss & Dallett.....	do.....	56.00
	Illinois Central R. R. Co.....	do.....	5.50
	The Pennsylvania R. R. Co.....	do.....	23.24
	New England Telephone and Telegraph Co.....	Telegraph services.....	2.50
	do.....	do.....	2.70
	Chicago, Burlington and Quincy Rwy. Co.....	do.....	2.50
	do.....	do.....	2.70
	Central District and Printing Telegraph Co.....	do.....	19.00
	Rising Sun Telegraph Line.....	do.....	2.40
	Minneapolis, St. Paul and Sault Ste. Marie Rwy. Co.....	do.....	15.71
	Southern Bell Telephone and Telegraph Co.....	do.....	5.40
	J. Warren Smith.....	Traveling expenses.....	10.10
	G. N. Salisbury.....	do.....	17.80
	D. P. McCallum.....	do.....	22.22
	W. G. Wilson.....	do.....	2.65



Expenditures of the Department of Agriculture for fiscal year ending June 30, 1904—Cont'd.

## WEATHER BUREAU, GENERAL EXPENSES—Continued.

Date.	Name.	Nature of payment.	Total.
1903, Dec. 14	J. Kenealy	Traveling expenses	\$16.75
	F. J. Walz	do	172.72
	V. H. Church	do	9.25
	H. F. Alps	Drayage, etc.	10.40
	J. J. O'Donnell	Station expenses	4.72
	A. J. Mitchell	Drayage, etc.	4.80
	C. H. Richardson	Quarters	57.52
	do	Subsistence	31.67
	do	Transportation, etc.	12.00
	T. B. Jennings	Drayage, etc.	3.60
	W. M. Dudley	do	1.10
	H. E. Hobbs	Station expenses	7.28
	M. A. Robinson	Subsistence	20.00
	H. E. Hobbs	Station expenses	5.29
	Wm. J. Zeh	Fuel	170.28
	A. M. Hamrick	Traveling expenses	2.75
	E. W. McGann	Station expenses	32.37
	Corvallis and Eastern R. R. Co.	Telegraph services	2.40
	Pacific States Telephone and Telegraph Co.	do	9.00
	W. F. McGee	Services	8.00
	T. E. Gifford	Hauling	6.00
	Haney Bros.	Services	45.00
	J. A. Reigens	Oil	1.50
	Empire State House Furnishing Co.	Services	9.95
	Mack Wellman	do	9.00
	C. G. Brandon	Cable conduit	40.00
	A. G. Frenholm	Services	6.00
	Cuba Submarine Telegraph Co. (Limited)	Telegraph services	7.20
	W. S. Currier	Drayage	1.00
	Coston Signal Co. (Incorporated)	Answering signals	33.00
	Western Telephone Manufacturing Co.	Repairing telephone	.45
	J. F. Fillion	Repairing roof	2.00
	American Ice Co.	Fuel	85.20
22	J. Gussenhoven	Water tank shelter	100.00
	Hoke Engraving Plate Co.	Chalk plates	54.50
	do	do	31.00
	do	do	287.50
	R. J. Miller	Services	125.00
	E. B. Richards	Traveling expenses	14.85
	H. McP. Baldwin	do	13.90
	D. A. Seely	do	6.10
	J. J. O'Donnell	Subsistence	33.50
	D. Cuthbertson	Station expenses	20.53
	F. DeGraw	do	97.12
	O. W. Roberts	do	7.00
	H. McP. Baldwin	do	1.20
	H. C. Bate	Drayage	2.32
	F. A. Carpenter	do	2.25
	The Great Northwestern Telegraph Co. of Canada	Telegraph services	295.22
	New England Telephone and Telegraph Co.	Telephone services	.40
	Postal Telegraph-Cable Co. of Texas	Telegraph services	108.14
	The Direct West India Cable Co. (Limited)	do	207.50
	Marthas Vineyard Telegraph Co.	do	34.42
	Elizabeth City and Norfolk Telegraph Co.	do	5.54
	Home Telephone Co.	do	9.60
	Bell Telephone Co., of Buffalo	Telephone services	7.15
	G. W. Kelley	Drayage and poles	118.50
	W. H. Wilson	Hauling	7.50
	T. P. Simpson	Cement and sand	5.00
	D. Green	Services	4.00
	F. Smith	do	1.00
	H. A. Poole	do	7.00
	C. E. Parrott	do	6.00
	L. Parker	do	2.00
	J. Claplanho	do	4.00
	W. Irving	do	2.00
	E. Starkey	do	1.50
	Fosberg & Murray	Grate bars	81.00
	Faneuil Watch Tool Co.	Staking tool	10.50
	E. Anderson	Services	2.00
	The Inland Type Foundry	Type	27.05
	J. A. Roebling's Sons Co.	Telegraph wire	9.55
	Armour & Co.	Soap	70.00
	Pacific Tool Supply Co.	Tools	22.15
	The Potomac Terra Cotta Co.	Conduits	140.00
	D. McInnes	Services	2.50
	Wm. J. Rountree	Wood	7.00
	Barelli & Kittredge	Services	3.50

Expenditures of the Department of Agriculture for fiscal year ending June 30, 1904—Cont'd.

## WEATHER BUREAU, GENERAL EXPENSES—Continued.

Date.	Name.	Nature of payment.	Total.
1903. Dec. 22	C. E. Bowe	Services	\$3.00
	The Anthony Scoville Co	Photo materials	15.80
	Havre Electric Light Co	Installing electric light	127.75
	Wm. A. West	Telegraph poles	37.00
	American Type Founders Co	Logotypes	6.75
	A. Zappone	Traveling expenses	132.18
31	Duluth Hardware Co	Lawn mower, hose, etc	43.00
	French & Bassett	Rugs, linoleum, and window shades	255.85
	Northwestern Fuel Co	Coal	107.37
	R. T. F. Smith	Laying carpet	5.00
	Havre Commercial Co	Stove and pipe	15.00
	G. E. Plaster, jr.	Hauling coal	61.25
	Plaster & Robey	Straw, hay, oats, and corn	231.43
	Burgess Electric Co	Electric fixtures	21.94
	O. G. Skylstead	Window shades	21.24
	J. Moran	Coat and hat hooks	1.30
	Geo. F. Muth & Co	Paper, pens, etc	66.14
	Hugh Reilly	Asphaltum	1.60
	Barber & Ross	Basins and pitchers	20.70
	J. C. Parker	Bookcase	17.80
	Rudolph, West & Co	Painting ceiling	6.00
	W. B. Moses & Sons	Chairs and stool	292.92
	do	Table	29.65
	do	do	15.25
	do	Chairs	72.00
	do	Table	15.25
	do	Repairing chairs	4.10
	do	Table	15.25
	J. B. Lambie Co. (Incorporated)	Mangers and hayracks	36.75
	American Writing Machine Co	Repairing typewriter	21.45
	Woodward & Lothrop	Office furniture	22.35
	do	Mattress, pillow, etc	10.76
	do	Chairs, millinet, and blankets	55.39
	Lutz & Co	Riding whip	3.50
	United States Express Co	Express charges	6.90
	do	do	7.15
	do	do	10.55
	Adams Express Co	Pennants	13.50
	M. G. Copeland Co	Paper	266.82
	R. C. Ballantyne	Envelopes	60.00
	do	Paper	129.37
	do	Envelopes	40.70
	Lamb & Tilden	Rubber stamps	3.20
	do	do	3.38
	F. Miller	Oil	1.44
	The Maurice Joyce Engraving Co	Half-tone plate	7.76
	do	Stereotype plates	4.03
	J. C. Entwistle	Engraving rain chart	10.00
	Mackall Bros	Soap	41.00
	National Electrical Supply Co	Wire	1.35
	Remington Typewriter Co	Adjusting typewriter	16.75
	Densmore Typewriter Co	Repairs to typewriter	16.65
	Standard Oil Co	Oil	18.20
	Littlefield, Alvord & Co	Drayage	43.37
	do	do	37.82
	Star Union Line	Freight charges	11.95
	St. Louis and San Francisco R. R. Co	do	1.12
	Pere Marquette R. R. Co	do	.61
	do	do	.65
	Atchison, Topeka and Santa Fe Rwy. Co	do	53.42
	M. G. Copeland Co	Flags	1,418.00
	Pennsylvania Co	Freight charges	.45
	do	do	.87
	Pennsylvania R. R. Co	do	4.71
	Southern Rwy. Co	do	4.27
	do	do	1.16
	do	do	24.91
	do	do	.89
	Atlantic Coast Line R. R. Co	do	10.76
	do	do	1.24
	Norfolk and Washington Steamboat Co	do	4.14
	do	do	2.20
	Peninsular and Occidental Steamship Co	do	1.89
	The Oregon Short Line R. R. Co	do	7.07
	Texas and New Orleans R. R. Co	do	3.25
	New York and Porto Rico Steamship Co	do	23.56
	Chicago, Rock Island and Pacific Rwy. Co	do	.89
	Illinois Central R. R. Co	do	.73
	New London Steamboat Co	do	1.26

Expenditures of the Department of Agriculture for fiscal year ending June 30, 1904—Cont'd.

## WEATHER BUREAU, GENERAL EXPENSES—Continued.

Date.	Name.	Nature of payment.	Total.
1903. Dec. 31	Grand Rapids and Indiana Rwy. Co. ....	Freight charges .....	\$3.78
	Terre Haute and Indianapolis R. R. Co. ....	do .....	.55
	Union Pacific R. R. Co. ....	do .....	1.43
	Western Rwy. of Alabama .....	do .....	.92
	New Bedford, Marthas Vineyard and Nantucket Steamboat Co. ....	do .....	1.45
	Richmond, Fredericksburg and Potomac R. Co. ....	do .....	.50
	Washington Southern Rwy. Co. ....	do .....	.69
	Town of New Shoreham .....	do .....	45.48
	Evansville and Terre Haute R. R. Co. ....	do .....	2.84
	Toledo, St. Louis and Western R. R. Co. ....	do .....	.84
	J. C. Davis .....	do .....	1.67
	C. H. Mallory & Co. ....	do .....	4.66
	do .....	do .....	8.80
	B. F. Larcombe et al. ....	Pay roll, printing office .....	2,482.74
	Total second quarter .....		91,819.22
1904. Jan. 11	C. Carter .....	Cleaning map .....	8.67
	Geo. S. Slover .....	Disinfectants .....	5.00
	Hendee, Bainford, Crandall Co. ....	Repairing caligraph .....	5.10
	Thos. Reedy .....	Bedstead, mattress, etc. ....	20.00
	Addressograph Co. ....	Addressograph and cabinet .....	43.25
	R. Moore .....	Erecting storm-warning tower .....	65.00
	Nase, Kraus & Koken .....	Repairing wind vane .....	10.00
	W. C. Fickert .....	Rugs .....	8.50
	A. I. Weeks .....	Repairing telegraph line .....	2.50
	A. Windsor .....	Repairing instrument shelter .....	15.00
	E. R. Mason .....	Repairing clock and thermograph .....	3.00
	P. Dickerson .....	Erecting flagstaff, etc. ....	8.00
	F. J. Massard .....	Erecting tower .....	55.00
	C. D. Widman & Co. ....	File cabinet .....	40.50
	J. T. Dodge .....	Coal .....	86.00
	Chapin & Simpson .....	Horse hire and keeping horse .....	13.25
	American Type Founders Co. ....	Glue .....	6.35
	A. H. Lemunyon .....	Erecting tower .....	45.00
	Wm. Curry's Sons .....	Stepladder, etc. ....	5.50
	Seattle Hardware Co. ....	Furniture .....	32.75
	L. L. Holland .....	Running levels .....	15.00
	E. H. Furbush .....	Drayage .....	1.25
	R. T. F. Smith .....	Cleaning windows .....	10.00
	Schooner "Ida A," O'Callahan, Nelson & Co. ....	Freight charges .....	4.00
	A. H. White .....	Repairing furniture .....	10.00
	Morris & Campbell .....	Carpet .....	44.90
	J. A. Brashear Co. (Limited) .....	Telescope .....	300.00
	H. Sprague .....	Reeving halyards .....	10.00
	Western Union Telegraph Co. ....	Repairing telegraph line .....	2.80
	Wild & Stevenson .....	Printing supplies .....	7.20
	United States Envelope Co. ....	Envelopes .....	56.40
	O. B. Stubbs .....	Cells .....	3.00
	F. Martin .....	Furnace and fittings .....	13.05
	Yates & Co. ....	Oil, etc. ....	4.90
	Coston Signal Co. (Incorporated) .....	Answering signals .....	33.00
	S. E. Jackson .....	Erection of tower .....	45.00
	Standard Oil Co. ....	Oil .....	7.35
	C. L. Fries .....	Erecting tower .....	50.00
	E. Cooper .....	Cleaning office .....	15.00
	C. B. Connor .....	Ink and mucilage .....	3.50
	J. W. Clark .....	Pattern and river tablets .....	25.00
	C. Brockett .....	Removing instrument shelter .....	1.00
	Dobbins Bros. ....	Key .....	.25
	T. M. Kandle .....	Repairing instrument shelter .....	26.10
	J. W. Hollenbeck .....	Placing shelter in tower .....	10.00
	Stephens & Son .....	Copying press .....	15.00
	J. E. Miller & Sons .....	Electric light .....	8.08
	Eureka Lighting Co. ....	do .....	15.00
	Marais Lumber Co. ....	do .....	12.50
	San Antonio Gas and Electric Co. ....	do .....	3.12
	Menominee and Marinette Light and Traction Co. ....	do .....	5.39
	Board of Fire and Water Commissioners .....	do .....	6.03
	Tampa Electric Co. ....	do .....	3.00
	Ashland Light, Power and Street Rwy. Co. ....	do .....	17.50
	Power Department, Bayfield, Wis. ....	do .....	5.00
	Washburn Electric Light and Power Co. ....	do .....	10.00
	F. L. Knight .....	Washing towels .....	1.50
	A. L. Crumpton .....	do .....	.75
	Lone Star Ice Co. ....	Ice .....	4.60



*Expenditures of the Department of Agriculture for fiscal year ending June 30, 1904*—Cont'd.

## WEATHER BUREAU, GENERAL EXPENSES—Continued.

Date.	Name.	Nature of payment.	Total.
1904. Jan. 11	Sault Ste. Marie, substations	Pay roll	\$95.98
	W. A. R. Rawle	Services	125.00
	E. Over	do	8.00
	R. Hume	do	17.42
	E. A. Beals	Traveling expenses	67.65
	A. R. Teeple	do	13.50
	L. H. Murdoch	do	14.75
	B. C. Kadel	do	84.20
	R. T. Lindley	do	21.05
	J. P. Bolton	Station expenses	32.90
	L. M. Dey	Drayage	3.39
	N. R. Taylor	do	1.00
	M. A. Robinson	Subsistence	20.00
	Geo. Reeder	Station expenses	6.25
	W. C. Devereaux	Subsistence	30.00
	The Direct West India Cable Co.	Postage stamps	5.00
	R. H. Sullivan	Drayage	.50
	W. T. Lathrop	Subsistence	21.67
	B. C. Kadel	Station expenses	27.67
	E. D. Emigh	Drayage	1.00
	Atchison, Topeka and Santa Fe Rwy. Co.	Passenger transportation	3.15
	Delaware, Lackawanna and Western R. R. Co.	do	25.60
	Pennsylvania Co.	do	10.75
	Maine Central R. R. Co.	do	12.70
	Northern Pacific Rwy. Co.	do	30.75
	Missouri Pacific Rwy. Co.	do	4.77
	Atlantic Coast Line R. R. Co.	do	12.09
	Texas and New Orleans R. R. Co.	do	25.65
	Galveston, Houston and Northern Rwy. Co.	do	3.95
	A. E. Outerbridge & Co.	do	50.00
	Missouri, Kansas and Texas Rwy. Co.	do	4.35
	Boston and Maine R. R.	do	2.61
	Gallego, Messa & Co.	do	12.00
	The Wabash R. R. Co.	do	26.00
	Seaboard Air Line Rwy.	do	15.80
	Kelley Island and Sandusky Cable Co.	Telegraph services	8.90
	Chicago, Burlington and Quincy Rwy. Co.	do	2.50
	Ocean Tow Boat Line	do	10.00
	Edmond Hayden	Drayage	2.60
	do	do	2.60
	St. Louis Transfer Co.	do	1.02
	Steamer New Shoreham	Freight charges	6.06
	The Gamble Desmond Co.	Office rent	96.00
	A. J. Knight	do	82.19
	Tacoma Chamber of Commerce and Board of Trade.	do	75.00
	Estate of S. Marks & Co.	do	84.75
	E. L. Renoe	do	150.00
	C. M. Beeson	do	88.91
	H. Rolle	do	9.00
	O. I. Mairs	do	90.00
	Consolidated Improvement Co.	do	165.00
	Citizens' Bank of Norfolk, Va.	do	131.25
	Orson Adams, jr.	do	120.00
	Yale Hicks, agent	do	120.00
	Peter Sonna	do	120.00
	Fremont Lumber Co.	do	87.75
	Bank of Tehama County	do	99.06
	José Valenti	do	75.00
	Marquette County Savings Bank	do	90.00
	Loan and Exchange Bank of South Carolina	do	150.00
	Law Building Co.	do	62.50
	Dent & Butler	do	105.00
	G. L. Lovett	do	105.00
	The Farmers' National Bank of Fresno	do	94.50
	Walla Walla Lodge, No. 56, I. O. O. F.	do	84.87
	F. E. Warren Mercantile Co.	do	155.00
	Conrad National Bank of Kalispell	do	67.50
	Taylor National Bank	do	143.75
	Paine Bros.	do	77.70
	A. W. Kennie	do	75.00
	Adam Geiger	do	60.00
	Prudential Building Co.	do	170.00
	D. Hope Ross	do	72.00
	W. Pollman	do	112.50
	Jacob Crocker	do	75.00
	Southern Bell Telephone and Telegraph Co.	Telephone services	20.00
	do	do	6.90
	W. S. Rowe	do	3.00
	The San Antonio Telephone Co.	do	7.50

Expenditures of the Department of Agriculture for fiscal year ending June 30, 1904—Cont'd.

## WEATHER BUREAU, GENERAL EXPENSES—Continued.

Date.	Name.	Nature of payment.	Total.
1904			
Jan. 11	Southern Bell Telephone and Telegraph Co.	Telephone services	\$9.00
	Pacific States Telephone and Telegraph Co.	do	18.00
	Telephone Co. of South Jersey	do	5.00
	Sunset Telephone and Telegraph Co.	do	6.00
	The Toledo Home Telephone Co.	do	16.00
	Pacific States Telephone and Telegraph Co.	do	7.50
	West Virginia Western Telephone Co.	do	4.50
	Peninsular Telephone Co.	do	8.25
	The Southern Telegraph and Telephone Co.	do	7.50
	Idaho Independent Telephone Co.	do	12.00
	Rocky Mountain Bell Telephone Co.	do	8.25
	Independent Telephone Co.	do	7.00
	The Southern New England Telephone Co.	do	36.00
	Rocky Mountain Bell Telephone Co.	do	15.00
	The Colorado Telephone Co.	do	12.00
	Rocky Mountain Bell Telephone Co.	do	9.00
	Lynchburg Telephone Co.	do	3.00
	Alabama, Mississippi and Tennessee Telephone Co.	do	6.00
	Wichita Independent Telephone Co.	do	7.50
	Bell Telephone Co. of Buffalo	do	29.50
	The Independent Telephone and Telegraph Co.	do	9.00
	Larned Telephone Co.	do	3.00
	Pacific States Telephone and Telegraph Co.	do	9.00
	Pennsylvania Telephone Co.	do	18.00
	Southern Bell Telephone and Telegraph Co.	do	12.00
	The Southwestern Telegraph and Telephone Co.	do	15.00
	Southern Bell Telephone and Telegraph Co.	do	3.00
	Kalispell Water and Electric Co.	do	12.00
	Mississippi Valley Telephone Co. of Iowa	do	6.00
	Southern Bell Telephone and Telegraph Co.	do	12.00
	Pacific States Telephone and Telegraph Co.	do	9.00
	Sunset Telephone and Telegraph Co.	do	11.50
	Columbia Telephone Co.	do	6.00
	Asheville Telephone and Telegraph Co.	do	6.00
	Wisconsin Telephone Co.	do	15.00
	Southern Bell Telephone and Telegraph Co.	do	9.00
	The Bell Telephone Co. of Philadelphia	do	17.25
	Northwestern Telephone Exchange Co.	do	10.50
	The Colorado Telephone Co.	do	28.50
	Southern Bell Telephone and Telegraph Co.	do	24.00
	Central Union Telephone Co.	do	10.50
	Pennsylvania Telephone Co.	do	11.25
	La Crosse Telephone Co.	do	7.50
	Kinloch Telephone Co.	do	15.00
	Cumberland Telephone and Telegraph Co.	do	5.10
	Interstate Telephone and Telegraph Co.	do	4.50
	Southern Bell Telephone and Telegraph Co.	do	12.00
	Keystone Telephone Co. of Philadelphia	do	20.00
	Bluff City Telephone Co.	do	15.00
	Union Trust Co., Detroit	do	7.50
	Alabama, Mississippi and Tennessee Telephone Co.	do	6.75
	Bank of Wytheville, Va.	Office rent	100.00
	Michigan Trust Co. Building	do	350.00
	First National Bank, Moorhead, Minn.	do	66.31
	American Surety Co. of New York	do	875.00
	D. L., G. C., S. C. Buhne & M. C. Pratt	do	92.20
	Pacific Club	do	65.75
	E. Hardinge	do	85.00
	Indianapolis Gas Co.	do	256.25
	Dyal Upchurch Investment Co.	do	187.50
	T. M. Jeffris & Co.	do	125.00
	M. M. Latta	do	25.00
	E. S. Hughes	do	95.45
	Union Trust Building Co. (Limited)	do	167.50
	J. B. Smith	do	75.00
	F. Agramonte	do	20.00
	J. L. Connell	do	118.75
	P. A. Willis	do	10.00
	D. B. Dodge	do	59.99
	J. Gussenhoven	do	90.00
	T. B. Catron	do	105.00
	B. S. Williams	do	73.00
	Empire Building Trust	do	279.00
	K. F. Coke	do	60.00
	M. Parmentier	do	74.25

Expenditures of the Department of Agriculture for fiscal year ending June 30, 1904—Cont'd.

WEATHER BUREAU, GENERAL EXPENSES—Continued.

Date.	Name.	Nature of payment.	Total.
1904. Jan. 11	The Chemical Building Co. ....	Telephone service .....	\$450.00
	City of Palestine, Tex. ....	do. ....	78.50
	Estate of J. G. Hatch. ....	do. ....	64.75
	W. Talbot. ....	do. ....	120.00
	H. H. Taylor, agent Mills Building. ....	do. ....	622.50
	A. Marty. ....	do. ....	165.00
	E. Cuthbertson. ....	do. ....	127.50
	The Hayden Co. ....	do. ....	300.00
	C. J. Buell. ....	do. ....	94.50
	Title Guarantee Loan and Trust Co. ....	do. ....	180.00
	O. I. Taylor. ....	do. ....	6.25
	Cheboygan Light, Power and Rwy. Co. ....	Electric light .....	11.00
	The Milwaukee Electric Rwy. and Light Co. ....	do. ....	12.50
	Edison Sault Electric Co. ....	do. ....	16.25
	The Milwaukee Electric Rwy. and Light Co. ....	do. ....	12.50
	Charleston Consolidated Gas and Electric Co. ....	do. ....	8.75
	Georgetown Electric Co. ....	do. ....	8.75
	St. Louis Toilet Supply Co. ....	Towel service .....	4.50
	The Towel Manufacturing Co. (Limited) ....	do. ....	3.00
	J. H. Groot. ....	do. ....	3.00
	Muckermann Ice and Coal Co. ....	Ice .....	3.95
	W. B. Lount. ....	do. ....	7.65
	The Schnepf & Lauer Co. ....	Printing climate and crop reports. ....	2.50
	Libbie Wilson. ....	Washing towels. ....	1.50
	McEwer & Lauver. ....	Wood .....	15.70
	J. C. Reherd. ....	Repairing file case. ....	14.00
	J. A. Robert. ....	Constructing shelter. ....	259.00
	do. ....	Placing molding on walls. ....	10.00
	Justinian Caire Co. ....	Copper wire. ....	8.49
	Goodyear Rubber Co. ....	Gum tubing. ....	.42
	W. E. Keller. ....	Repairing instrument shelter. ....	17.00
	Standard Oil Co. ....	Oil. ....	7.88
	The A. Leitz Co. ....	Compass, pen, and pencil. ....	1.50
	T. Murphy. ....	Repairing windlass. ....	2.50
	Board of Public Works. ....	Water supply. ....	3.50
	P. Connor. ....	Car fare. ....	7.95
	P. McDonough. ....	Installing storage battery. ....	9.60
	E. H. Nimmo. ....	Washing towels. ....	1.50
	A. F. Sims. ....	Drayage. ....	.75
	F. H. Brandenburg. ....	Drayage and oil. ....	2.85
	A. C. Pickels. ....	Traveling expenses. ....	1.05
	C. H. Richardson. ....	do. ....	5.40
	D. Cuthbertson. ....	do. ....	8.19
	J. W. Smith. ....	do. ....	21.30
	Paul De Graw. ....	do. ....	33.05
	J. H. Smith. ....	do. ....	4.50
	Pensacola, substations. ....	Pay roll. ....	36.00
	C. Sevilla. ....	Services. ....	5.00
	C. A. Blumner. ....	do. ....	15.00
	W. Ellis. ....	do. ....	9.00
	C. W. Schmid. ....	do. ....	6.25
	Pennsylvania R. R. Co. ....	Freight charges. ....	3.11
	Star Union Line. ....	do. ....	2.96
	St. Louis Southwestern Rwy. Co. ....	do. ....	1.72
	R. A. Shaw. ....	Cleaning weather map. ....	8.67
	O. W. Bye. ....	Horse hire. ....	1.00
	do. ....	Repairing telegraph line. ....	2.00
	H. A. Poole. ....	do. ....	4.00
	G. Beesley. ....	do. ....	6.00
	J. A. Green. ....	do. ....	2.00
	City of Asheville. ....	Disinfecting office. ....	4.00
	A. L. Petrie. ....	Installing electric battery, etc. ....	8.69
	W. S. Dodge. ....	Erecting tower. ....	50.00
	Yates & Co. ....	Oil. ....	4.85
	Stringfellow Drug Co. ....	do. ....	1.60
	Yund & Churchill. ....	Repairing clock. ....	.75
	W. L. Miller. ....	Repairing desk. ....	1.00
	E. S. Hughes & Co. ....	Stove board. ....	1.00
	F. H. Brandenburg. ....	Traveling expenses. ....	5.55
12	P. A. F. Walter, postmaster. ....	Post-office box rent. ....	1.50
	O. G. Skylstead. ....	Coal hod. ....	1.00
	A. Midgett. ....	Horse hire and services. ....	5.00
	A. Stange. ....	Repairing telegraph line. ....	3.00
	The J. M. Klein Electrical Works. ....	Copper wire and dry cells. ....	5.91
	Flint & Walling Manufacturing Co. ....	Storm-warning tower. ....	275.00
	A. F. Loden. ....	Chairs. ....	18.00
	Alexander Yost Co. ....	Screw-drivers. ....	1.75
	T. G. Hazard, jr. ....	Sewer connections. ....	5.75
	F. C. Serenson. ....	Removing instrument shelter. ....	9.00



Expenditures of the Department of Agriculture for fiscal year ending June 30, 1904—Cont'd.

WEATHER BUREAU, GENERAL EXPENSES—Continued.

Date.	Name.	Nature of payment.	Total.
1904			
Jan. 12	The Columbia Stove Co.....	Grate bars.....	\$19.50
	F. Weber & Co.....	Section liners.....	5.40
	R. H. Thoenen.....	Erecting storm tower.....	100.00
	Pacific States Telephone and Telegraph Co.....	Telegraph services.....	13.70
	New England Telephone and Telegraph Co.....	.....do.....	2.40
	Great Northwestern Telegraph Co. of Canada.....	.....do.....	158.69
	The Central District and Printing Telegraph Co.....	.....do.....	17.80
	Choctaw, Oklahoma and Gulf R. R. Co.....	.....do.....	9.80
	American Toilet Supply Co.....	Towel service.....	2.25
	J. E. Garrett.....	Washing towels.....	.75
	J. F. Beck.....	.....do.....	3.00
	S. J. Nathans.....	Ice.....	1.35
	Grant Rivenburg.....	.....do.....	2.76
	Consumers Ice Co.....	.....do.....	6.00
	City Delivery Co.....	.....do.....	4.60
	Statesman Printing Co.....	Printing climate and crop reports.....	69.00
	Indianapolis Light and Gas Co.....	Electric light.....	18.00
	W. S. Bricker.....	Electric current.....	12.50
	J. F. Byrne.....	.....do.....	12.50
	Charleston Consolidated Gas, Rwy., and Electric Co.....	Electric light.....	8.75
	E. A. Borne.....	.....do.....	27.75
	Kenosha Gas and Electric Co.....	.....do.....	17.50
	A. Hamack.....	.....do.....	11.00
	Astoria Electric Co.....	.....do.....	4.00
	Green Bay Light and Power Co.....	.....do.....	6.25
	Alpena Electric Light Co.....	.....do.....	4.77
	F. D. Miracle.....	Office rent.....	147.00
	Board of County Commissioners.....	.....do.....	67.00
	Asheville Library Association.....	.....do.....	75.00
	Society for Savings.....	.....do.....	285.00
	Chicago Auditorium Association.....	.....do.....	437.50
	J. K. Porter.....	.....do.....	150.00
	Fayette Home Telephone Co.....	Telephone services.....	4.50
	New England Telephone and Telegraph Co.....	.....do.....	14.25
	Southern States Telephone Co.....	.....do.....	9.50
	East Tennessee Telephone Co.....	.....do.....	9.00
	E. V. Hauser.....	.....do.....	10.50
	New England Telephone and Telegraph Co.....	.....do.....	8.75
	Duluth Telephone Co.....	.....do.....	12.50
	The Gordon Telephone Co.....	.....do.....	12.00
	Zenith City Telephone Co.....	.....do.....	7.50
	The City and Suburban Telegraph Association.....	.....do.....	21.00
	Wytheville Telephone Co.....	.....do.....	3.75
	The Bell Telephone Co. of Missouri.....	.....do.....	22.50
	.....do.....	.....do.....	6.93
	New Telephone Co.....	.....do.....	10.00
	Pacific States Telephone and Telegraph Co.....	.....do.....	25.50
	Southern Bell Telephone and Telegraph Co.....	.....do.....	21.00
	The Gordon Telephone Co.....	.....do.....	9.00
	Southern Bell Telephone and Telegraph Co.....	.....do.....	15.00
	Rocky Mountain Bell Telephone Co.....	.....do.....	12.00
	Sunset Telephone and Telegraph Co.....	.....do.....	6.00
	East Tennessee Telephone Co.....	.....do.....	12.00
	Southern Bell Telephone and Telegraph Co.....	.....do.....	21.50
	Black Hills Telegraph and Telephone Co.....	.....do.....	21.00
	Pacific States Telephone and Telegraph Co.....	.....do.....	39.00
	Southern Bell Telephone and Telegraph Co.....	.....do.....	12.00
	Cumberland Telephone and Telegraph Co.....	.....do.....	19.50
	The Bell Telephone Co. of Buffalo.....	.....do.....	30.00
	East Tennessee Telephone Co.....	.....do.....	33.10
	York State Telephone Co.....	.....do.....	7.50
	New York and Pennsylvania Telephone and Telegraph Co.....	.....do.....	7.50
	New York Telephone Co.....	.....do.....	60.00
	Citizens Telephone Co.....	.....do.....	13.25
14	Providence Telephone Co.....	Repairing telegraph line.....	420.00
	The Consolidated Telephone Companies of Pennsylvania.....	Telephone services.....	9.00
	D. Carpenter.....	Window shades.....	13.90
	Pacific States Telephone and Telegraph Co.....	Dry battery.....	1.08
	J. F. Myers.....	Services.....	15.00
	M. A. Webster.....	.....do.....	15.00
	S. W. Lightner.....	.....do.....	30.00
	L. C. Collins.....	.....do.....	23.87
	J. E. Harris, jr.....	.....do.....	16.00
	N. W. Wagner.....	.....do.....	21.00

Expenditures of the Department of Agriculture for fiscal year ending June 30, 1904—Cont'd.

## WEATHER BUREAU, GENERAL EXPENSES—Continued.

Date.	Name.	Nature of payment.	Total.
1904.			
Jan. 14	Alpena, substations.....	Pay roll.....	\$83.55
	Buffalo, substations.....	do.....	134.10
	Chicago, substations.....	do.....	493.06
	Charleston, substations.....	do.....	30.00
	do.....	do.....	81.50
	Duluth, substations.....	do.....	117.75
	Jacksonville, substations.....	do.....	75.00
	Louisville, substations.....	do.....	66.00
	New Haven, substations.....	do.....	48.00
	Norfolk, substations.....	do.....	120.00
	Parkersburg, substations.....	do.....	82.00
	Philadelphia, substations.....	do.....	60.50
	do.....	do.....	69.00
	Port Huron, substations.....	do.....	179.03
	Vicksburg, substations.....	do.....	90.00
	J. R. Hey.....	Painting instrument shelter.....	7.00
	J. C. Reherd.....	Erecting rain gauge, etc.....	32.00
	H. Booker.....	Oil.....	11.71
	H. J. Ledoux.....	Drinking water.....	4.00
	McCormick & Bates.....	Drayage.....	1.00
	Empire Transfer Co.....	do.....	2.50
	The French Telegraph-Cable Co.....	Telegraph services.....	55.00
	W. J. Crawford.....	Drayage.....	2.70
	L. Hendricks.....	Repairing telegraph line.....	5.00
	T. J. Tillett.....	Horse hire.....	2.00
	Nashville Gas Co.....	Gas.....	12.00
	The Peoples' Gas Light and Coke Co.....	do.....	11.40
	Standard Gas and Electric Co.....	do.....	13.35
	Di Georgia Importing and Steamship Co.....	Passenger transportation.....	30.00
	Spokane Falls and Northern Rwy. Co.....	do.....	8.90
	Baltimore and Ohio Southwestern Rwy. Co.....	do.....	5.76
	D. W. King.....	Washing towels.....	3.00
	Nashville Laundry Co.....	Towel service.....	1.80
	Williamson Towel Supply Co.....	do.....	3.00
	Charlevoix Electric Light Co.....	Electric light.....	4.50
	Stearns Electric Light and Power Co.....	do.....	11.25
	W. V. Hughes.....	do.....	9.00
	Gloucester Electric Co.....	do.....	29.73
	M. E. Conway.....	Office rent.....	37.74
	Northwestern Mutual Life Insurance Co.....	do.....	125.00
	E. S. Allen.....	Telephone services.....	7.50
	Citizens' Telephone Co. of Muskegon.....	do.....	6.00
	Cumberland Telephone and Telegraph Co.....	do.....	29.85
	The Central District and Printing Telegraph Co.....	do.....	35.75
	The Colorado Telephone Co.....	do.....	13.50
	Southwestern Telegraph and Telephone Co.....	do.....	18.00
	Nebraska Telephone Co.....	do.....	21.00
	New England Telephone and Telegraph Co.....	do.....	14.25
	New York and Pennsylvania Telephone and Telegraph Co.....	do.....	12.00
	Williston Telephone Exchange.....	do.....	6.00
	Cumberland Telephone and Telegraph Co.....	do.....	21.00
	Ontario Telephone Co.....	do.....	15.00
	Missouri and Kansas Telephone Co.....	do.....	6.00
	Hudson River Telephone Co.....	do.....	16.50
	New York, substations.....	Pay roll.....	35.00
	Macon, substations.....	do.....	57.00
	E. H. Emery.....	Station expenses.....	15.94
	do.....	do.....	21.35
	L. N. Jesunofsky.....	Drayage.....	3.00
	J. R. Weeks.....	Drayage and gasoline.....	1.50
	F. Z. Gosewisch.....	Drayage.....	.50
	F. H. Clarke.....	Drayage, etc.....	2.35
	R. M. Small.....	Drayage.....	3.00
	G. W. Felger.....	do.....	1.25
	D. Horton.....	Office rent.....	120.00
	New England Telephone and Telegraph Co.....	Telephone services.....	8.25
	Southern Bell Telephone and Telegraph Co.....	do.....	12.00
	Central New York Telephone and Telegraph Co.....	do.....	20.00
	Iowa Telephone Co.....	do.....	15.00
	The Empire State Telephone and Telegraph Co.....	do.....	7.50
	Cherry County Telephone Co.....	do.....	7.50
	Nebraska Telephone Co.....	do.....	15.00
	Dakota Central Telephone Lines (Incorporated).....	Telegraph services.....	85.55
	Lake Cities Electric Rwy. Co.....	Electric light.....	12.50
	Phoenix Light and Fuel Co.....	do.....	5.29





*Expenditures of the Department of Agriculture for fiscal year ending June 30, 1904—Cont'd.*

## WEATHER BUREAU, GENERAL EXPENSES—Continued.

Date.	Name.	Nature of payment.	Total.
1904.			
Jan. 18	A. B. Smith.....	Office rent.....	\$85.35
	A. M. Ferguson.....	Mowing grass, etc.....	11.50
	C. E. Purdy.....	Erecting tower.....	55.00
	Clem Jaycocks.....	Ice.....	9.20
	J. C. Linne.....	Boxing cable and storing.....	10.00
	L. H. Jones.....	Recasting rollers.....	3.30
	Milner & Ebert.....	Oil.....	4.00
	Barnhart Bros. & Spindler.....	Printing supplies.....	3.73
	Illinois District Telegraph Co.....	Delivering bulletins.....	15.00
	A. L. Walker.....	Repairing flagstaff.....	10.00
	Hoke Engraving Plate Co.....	Gas stove.....	11.50
	The Direct West India Cable Co.....	Telegraph services.....	152.52
	Postal Telegraph Cable Co.....	do.....	37.20
	Iowa Telephone Co.....	do.....	5.10
	Postal Telegraph Cable Co., of Texas.....	do.....	11.45
	Pacific States Telephone and Telegraph Co.....	do.....	10.30
	The Texas Pacific Rwy. Co.....	Passenger transportation.....	9.60
	Missouri, Kansas and Texas Rwy. Co.....	do.....	3.25
	Pittsburg, Cincinnati, Chicago and St. Louis Rwy. Co.....	do.....	12.75
	The Cuba Co.....	do.....	15.71
	Adams Express Co.....	Express charges.....	1.50
	New Orleans and Northwestern R. R. Co.....	Freight charges.....	4.67
	Rome, Watertown and Ogdensburg R. R.....	do.....	.45
	Erie R. R. Co.....	do.....	.83
	Louisville and Atlantic R. R. Co.....	do.....	1.09
	Willis L. Moore.....	Traveling expenses.....	17.50
	Fraternal Hall Association.....	Office rent.....	105.00
	Union Trust Co., Detroit.....	Telephone services.....	9.00
	do.....	do.....	6.00
	Southwestern Telegraph and Telephone Co.....	do.....	9.00
	City of Lake.....	Electric light.....	7.50
	City of South Haven.....	do.....	12.50
	Electric Light Co.....	do.....	18.00
	The Union Ice Co.....	Ice.....	9.20
	Consumers' Ice Co.....	do.....	3.95
	Capital Ice Co.....	do.....	3.90
	Cumberland Telephone and Telegraph Co.....	Telephone services.....	163.40
	E. P. Jones.....	Office rent.....	25.00
	J. W. Byram.....	Station expenses.....	9.00
	Augusta, substations.....	Pay roll.....	48.00
	Albany, substations.....	do.....	54.00
	Knoxville, substations.....	do.....	116.25
	Little Rock, substations.....	do.....	60.00
	Montgomery, substations.....	do.....	87.00
	Memphis, substations.....	do.....	51.00
	New Orleans, substations.....	do.....	117.50
	Portland, Me., substations.....	do.....	90.00
	C. P. Searle.....	Services.....	30.00
	J. Hyslop.....	do.....	30.00
	J. W. Bauer.....	Ice, drayage, etc.....	5.30
	Savannah, substations.....	Pay roll.....	61.00
	C. P. Disney.....	Services.....	21.00
	D. Cuthbertson.....	Traveling expenses.....	2.35
	J. P. Slaughter.....	Drayage, etc.....	1.60
	G. N. Salisbury.....	Drayage.....	3.35
	R. M. Hardinge.....	do.....	2.25
	Los Angeles Trust Co.....	Office rent.....	195.00
	Department of the interior of Porto Rico.....	do.....	150.00
	First National Bank.....	do.....	126.00
	C. Baldwin.....	do.....	112.50
	F. L. Keating.....	do.....	96.00
	W. H. Dann.....	do.....	72.00
	Cleary Bros.....	do.....	135.00
	Southern Bell Telephone and Telegraph Co.....	Telephone services.....	12.00
	Southwestern Telegraph and Telephone Co.....	do.....	15.00
	Cumberland Telephone and Telegraph Co.....	do.....	48.00
	Southern Bell Telephone and Telegraph Co.....	do.....	8.25
	People's Telephone and Telegraph Co.....	do.....	7.50
	O. C. G. Urban.....	Electric light.....	4.00
	Mutual Light and Water Co.....	do.....	7.20
	Duluth General Electric Co.....	Electric current.....	25.95
	Duluth Van and Storage Co.....	Drayage.....	2.75
	Harry Porter.....	Scrap books.....	3.20
	C. B. Little.....	Water supply.....	11.00
	Robert Little.....	Drayage.....	3.00
	Geo. F. Muth & Co.....	Benzine, etc.....	24.59
	A. O. Hutterly.....	Repairing clock.....	1.50
	Postal Telegraph Cable Co.....	Telegraph services.....	585.32
	Pacific States Telephone and Telegraph Co.....	Rent of conduit.....	35.10

EXPENDITURES IN DEPARTMENT OF AGRICULTURE. 391

Expenditures of the Department of Agriculture for fiscal year ending June 30, 1904—Cont'd.

WEATHER BUREAU, GENERAL EXPENSES—Continued.

Date.	Name.	Nature of payment.	Total.
1904.			
Jan. 18	James Miller.....	Repairing tower.....	\$25.00
	W. S. Palmer.....	Station expenses.....	10.78
	L. H. Murdoch.....	Drayage.....	19.55
	The Wabash R. R. Co.....	Passenger transportation.....	15.00
	Union Pacific R. R. Co.....	do.....	24.21
	Southern Rwy. Co.....	do.....	35.35
	Corvallis and Eastern R. R. Co.....	Telegraph services.....	2.60
	Home Telephone Co.....	do.....	10.40
	Cleveland, Cincinnati, Chicago and St. Louis Rwy. Co.....	Freight charges.....	2.23
	New York and Cuba Mail S. S. Co.....	do.....	2.20
	F. S. Webster Co.....	Repairing typewriter.....	7.50
	A. S. Cook.....	Office rent.....	90.00
	Wm. Curry's Sons.....	do.....	24.00
	Joseph Bryan.....	do.....	150.00
	Wisconsin Telephone Co.....	Telephone services.....	3.75
	East Tennessee Telephone Co.....	do.....	15.40
	do.....	do.....	4.70
	Dubuque Telephone Co.....	do.....	6.00
	Santa Fe Electric Telephone Co.....	do.....	6.00
	R. L. Lewis.....	do.....	24.00
	Minneapolis, St. Paul and Sault Ste. Marie Rwy. Co.....	do.....	14.79
	A. Klein.....	Washing towels.....	2.00
	R. G. Thomas.....	do.....	3.00
	The Pennsylvania R. R. Co.....	Passenger transportation.....	62.00
	The Great Northern Rwy. Co.....	do.....	22.55
	Cleveland, Cincinnati, Chicago and St. Louis Rwy. Co.....	do.....	3.29
	The Baltimore Steam Packet Co.....	do.....	3.00
	Louisville and Nashville R. R. Co.....	do.....	5.35
	A. F. Outerbridge & Co.....	do.....	35.00
	Baltimore and Ohio R. R. Co.....	do.....	94.00
	Northern Pacific Rwy. Co.....	do.....	4.80
	A. Midgett.....	Repairing telegraph line.....	2.50
	H. A. Brossard.....	Drayage.....	5.75
	C. C. Ball.....	Oil.....	12.85
	Addressograph Co.....	Pad holder, etc.....	1.10
	Lefebvre Lumber Co.....	Office chair.....	4.50
	Loring & Co. (Incorporated).....	Bookcase.....	39.15
	R. H. Vorpahl.....	Recasting rollers.....	3.00
	C. H. Williams Electric Co.....	Installing battery.....	3.60
	Wabash R. R. Co.....	Freight charges.....	1.12
	Denver and Rio Grande R. R. Co.....	do.....	5.98
	Norfolk and Southern R. R. Co.....	do.....	11.53
	Toledo, Peoria and Western Rwy. Co.....	do.....	.86
	Virginia and Truckee R. R. Co.....	do.....	.25
	Chicago, Burlington and Quincy Rwy. Co.....	do.....	1.65
	Consolidated Electric Light Co.....	Electric light.....	37.50
	Paul De Graw.....	Traveling expenses.....	58.25
	Mill Valley and Mount Tamalpais Scenic Rwy. Co.....	Services.....	15.00
	Louis Dorman.....	Drayage.....	.55
	J. M. Watson.....	do.....	10.80
	Galveston, substations.....	Pay roll.....	253.75
	Chattanooga, substations.....	do.....	139.70
	Pittsburg, substations.....	do.....	386.50
	Baltimore, substations.....	do.....	90.00
	Fort Smith, substations.....	do.....	39.00
	Improvement Loan and Trust Co.....	Office rent.....	206.25
	Mill Valley and Mount Tamalpais Scenic Rwy. Co.....	do.....	105.00
	L. A. Brown.....	Box.....	5.00
	Max Levy.....	Electric current.....	30.00
23	Bell & Dilling.....	Erecting tower.....	48.00
	J. P. Slaughter.....	Traveling expenses.....	3.75
	La Crosse, substations.....	Pay roll.....	65.00
	Raleigh, substations.....	do.....	120.00
	Boston, substations.....	do.....	199.50
	J. F. Newsom.....	Drayage.....	1.25
	A. G. Burns.....	Station expenses.....	1.25
	A. E. Hackett.....	Drayage.....	9.55
	E. R. Demain.....	Station expenses.....	3.05
	J. P. Chaffee.....	Drayage.....	3.05
	J. M. Sherrier.....	Street-car fare.....	5.15
	J. L. Cline.....	Station expenses.....	7.05
	M. W. Hayes.....	Drayage.....	5.68
	S. W. Glenn.....	Express charges.....	9.05
	W. T. Blythe.....	Drayage.....	27.90
	J. W. Smith.....	do.....	9.56
	R. G. Allen.....	do.....	19.10
	H. D. Pillichody.....	Service.....	30.00

Expenditures of the Department of Agriculture for fiscal year ending June 30, 1904—Cont'd.

## WEATHER BUREAU, GENERAL EXPENSES—Continued.

Date.	Name.	Nature of payment.	Total.
1904.			
Jan. 23	Cumberland Telephone and Telegraph Co. . . . .	Telephone services . . . . .	\$74.00
	Rocky Mountain Bell Telephone Co. . . . .	do . . . . .	31.70
	Bell Telephone Co., of Buffalo . . . . .	do . . . . .	1.10
	Cumberland Telephone and Telegraph Co. . . . .	do . . . . .	10.40
	Amarillo Telephone Exchange . . . . .	do . . . . .	9.00
	Maryland Telephone and Telegraph Co. . . . .	do . . . . .	18.00
	The Chesapeake and Potomac Telephone Co. . . . .	do . . . . .	31.25
	Cumberland Telephone and Telegraph Co. . . . .	do . . . . .	12.80
	Diamond State Telephone Co. . . . .	do . . . . .	6.25
	Southwestern Telegraph and Telephone Co. . . . .	do . . . . .	21.00
	Southern Bell Telephone and Telegraph Co. . . . .	do . . . . .	15.00
	Jacksonville Telephone Co. . . . .	do . . . . .	7.50
	Morgan City Improvement Co. (Limited). . . . .	Electric light . . . . .	7.50
	Nantucket Gas and Electric Co. . . . .	do . . . . .	20.14
	Annapolis Gas and Electric Light Co. . . . .	do . . . . .	9.00
	The United Electric Light and Power Co. . . . .	do . . . . .	9.00
	Duluth General Electric Co. . . . .	Electric current . . . . .	7.65
	Cumberland Telephone and Telegraph Co. . . . .	Telephone services . . . . .	109.90
	Knox Telephone and Telegraph Co. . . . .	do . . . . .	3.50
	J. T. Harper . . . . .	do . . . . .	31.22
	J. E. Dooley . . . . .	Office rent . . . . .	150.00
	American Linen Supply Co. . . . .	Towel supply . . . . .	3.00
	Baltimore Towel Supply Co. . . . .	do . . . . .	2.25
	C. A. Johnson . . . . .	Washing towels . . . . .	3.00
	Galveston Gas Co. . . . .	Gas . . . . .	10.55
	Norfolk and Western Rwy. Co. . . . .	Passenger transportation . . . . .	7.55
	Wm. A. Robinson . . . . .	Repairing flagstaff . . . . .	6.00
	E. M. Depew . . . . .	Platen . . . . .	4.75
	Cutrell & Leffingwell . . . . .	Transportation . . . . .	75.00
	W. H. H. Smith . . . . .	Team hire . . . . .	12.00
	F. M. McKeough . . . . .	Recasting rollers . . . . .	3.00
	H. B. Hartman . . . . .	Drinking water . . . . .	4.50
	J. P. Nawrath . . . . .	Twine . . . . .	98.73
	Erie and Western Transportation Co. . . . .	Freight charges . . . . .	1.43
	Boulton, Bliss & Dallett . . . . .	do . . . . .	.25
	do . . . . .	do . . . . .	.39
	Detroit and Mackinac Rwy. Co. . . . .	do . . . . .	2.22
	The Denver and Rio Grande R. R. Co. . . . .	do . . . . .	4.56
	Washington Southern Rwy. Co. . . . .	do . . . . .	1.25
	Alabama and Vicksburg Rwy. Co. . . . .	do . . . . .	.69
	D. P. McCallum . . . . .	Traveling expenses . . . . .	6.00
	do . . . . .	Repairing thermograph clock . . . . .	1.50
	A. McC. Ashley . . . . .	Drayage . . . . .	9.25
	Frank Jermin . . . . .	do . . . . .	.90
	L. M. Pindell . . . . .	Station expenses . . . . .	5.65
	H. B. Hersey . . . . .	Drayage, etc. . . . .	6.48
	Boston, substations . . . . .	Pay roll . . . . .	789.25
	The Washington County Telephone Co. . . . .	Telephone services . . . . .	6.50
	The Tyrrell County Telephone Co. . . . .	do . . . . .	6.50
	Chicago Telephone Co. . . . .	do . . . . .	8.15
	Southern Bell Telephone and Telegraph Co. . . . .	do . . . . .	7.80
	Forsberg & Murray . . . . .	Constructing smokestack . . . . .	284.00
	The Maurice Joyce Engraving Co. . . . .	Photo-engraving plates . . . . .	75.43
	do . . . . .	do . . . . .	222.36
	D. P. McCallum . . . . .	Subsistence . . . . .	57.37
	W. C. Devereaux . . . . .	Subsistence, etc. . . . .	48.84
	Bossnot & Fuller . . . . .	Removing office, etc. . . . .	75.00
	The Consolidated Gas Company . . . . .	Gas . . . . .	.77
	H. E. Hobbs . . . . .	Traveling expenses . . . . .	19.46
	C. C. Garrett . . . . .	Drayage and washing towels . . . . .	3.50
	Clinckett & Coates . . . . .	Office rent . . . . .	69.25
	M. E. Shelden . . . . .	do . . . . .	93.75
	Chamber of Commerce Building Co. . . . .	do . . . . .	93.21
	Southern Bell Telephone and Telegraph Co. . . . .	Telephone services . . . . .	18.00
	Rocky Mountain Bell Telephone Co. . . . .	do . . . . .	15.00
	Cumberland Telephone and Telegraph Co. . . . .	do . . . . .	12.00
	Palestine Telephone Co. . . . .	do . . . . .	9.00
	The Citizens' Gas and Electric Co. . . . .	Electric light . . . . .	16.85
	The Commercial Electric Co. . . . .	do . . . . .	16.83
	Amarillo Water, Light, and Power Co. . . . .	do . . . . .	15.90
	Board of Public Service, Lighting Department . . . . .	do . . . . .	11.96
	The Cuba Central Rwys. (Limited) . . . . .	Passenger transportation . . . . .	9.09
	The H. & W. B. Drew Co. . . . .	Printing climate and crop bulletins . . . . .	63.05
	Baumgardt Publishing Co. . . . .	Printing climate and crop reports . . . . .	16.25
	Julien P. Friez . . . . .	Thermometer supports . . . . .	106.25
	do . . . . .	Covers for triple registers . . . . .	41.25
	do . . . . .	Instruments and repairs . . . . .	606.50
	John C. Parker . . . . .	Agate stylus . . . . .	5.50



Expenditures of the Department of Agriculture for fiscal year ending June 30, 1904—Cont'd.

WEATHER BUREAU, GENERAL EXPENSES—Continued.

Date.	Name.	Nature of payment.	Total.
1904.			
Jan. 23	John C. Parker .....	Adding machine.....	\$5.00
	F. Weber & Co. ....	Celluloid rules.....	2.00
	E. P. Howell.....	Wood.....	6.00
	Paul Grazier.....	Repairing clock.....	2.50
	W. F. Hooper.....	Erecting coal bin, etc.....	26.50
	Norwich University.....	Steam heat and electric light.....	21.50
	W. B. Moses & Sons.....	Wardrobe.....	11.75
	John A. Roebling's Sons Co.....	Telegraph wire.....	32.00
	The Addressograph Co.....	Setting case, etc.....	1.60
	R. Hoe & Co.....	Patent galley.....	1.75
	F. F. Bossicot.....	Drayage.....	4.00
	Queen & Co. (Incorporated).....	Nitric acid.....	2.10
	Minneapolis General Electric Co.....	Relocating motor.....	2.25
	G. W. O'Brien.....	Office rent.....	18.00
	C. F. Marvin.....	Traveling expenses.....	16.20
	J. C. Hayden.....	Drayage.....	2.00
	T. P. Simpson.....	Cement.....	10.00
	Northwestern Telephone Exchange Co.....	Telephone services.....	32.35
	Iowa Telephone Co.....	do.....	30.00
	Marthas Vineyard Telegraph Co.....	Telephone services.....	45.16
	Ocean Tow Boat Line.....	do.....	12.00
	Pacific States Telephone and Telegraph Co.....	do.....	14.20
	Rising Sun Telegraph Line.....	do.....	2.60
	The Huron Village Electric Light Plant.....	Electric light.....	17.85
	Arizona Laundry Co.....	Washing towels.....	.26
	M. T. Hayden.....	do.....	3.00
	E. B. Richards.....	Express charges, etc.....	8.55
	L. S. Woodhouse.....	Horse hire.....	2.00
	W. E. Prudhomme.....	Binding records.....	2.50
	Chadwick-Swain Furniture Co.....	Repairing chairs.....	.50
	Standard Oil Co.....	Oil.....	5.40
	H. H. Buhne.....	do.....	3.50
	W. S. Simpson.....	Services and horse hire.....	2.50
	Hoke Engraving Plate Co.....	Stereotyping supplies.....	10.50
	The General Cartage and Storage Co.....	Drayage.....	10.40
	F. J. Finck.....	Recasting rollers.....	4.50
	P. P. Bernhard & Co.....	Rubber stamps.....	1.25
	C. A. Burton.....	Coal.....	191.05
	Union Trust Co., Detroit.....	Telephone services.....	7.30
	New Orleans, substations.....	Pay roll.....	147.00
	New York Central and Hudson River R. R. Co.....	Passenger transportation.....	42.80
	The Oregon R. R. and Navigation Co.....	do.....	71.55
	Chicago, Burlington and Quincy Rwy. Co.....	Telephone services.....	1.32
	Tucker Telephone and Telegraph Co.....	do.....	15.00
	Moncure and Pittsboro Telegraph Co.....	do.....	3.00
	Peter Wood.....	Drayage.....	.75
	Addressograph Co.....	Addressograph parts.....	.93
	Edward Mullin.....	Rags.....	14.00
31	J. J. Gray.....	Traveling expenses.....	23.05
	Nashville, substations.....	Pay roll.....	79.50
	Shreveport, substations.....	do.....	41.77
	Galveston, substations.....	do.....	30.00
	Houghton, substations.....	do.....	47.74
	H. B. P. Carden.....	Services.....	2.00
	E. M. Minehart.....	Traveling expenses.....	4.80
	A. Farnham.....	do.....	6.00
	H. Hamilton.....	do.....	5.48
	do.....	do.....	12.26
	S. M. Blandford.....	Express charges.....	4.10
	L. M. Cline.....	do.....	5.20
	E. C. Vose.....	Station expenses.....	20.20
	E. A. Evans.....	Drayage.....	13.60
	J. B. Marbury.....	Station expenses.....	17.90
	C. M. Strong.....	Drayage.....	9.00
	D. C. Grunow.....	Station expenses.....	6.76
	A. F. Sims.....	Drills, etc.....	3.80
	C. E. Johnson.....	Ferriage.....	3.25
	Capital Telephone and Telegraph Co.....	Telephone services.....	4.50
	F. G. Blaisdell.....	do.....	16.50
	Chicago Telephone Co.....	do.....	57.50
	East Tennessee Telephone Co.....	do.....	9.00
	M. M. Latta.....	Office rent.....	25.00
	G. W. Kelley.....	Rent of stable.....	46.13
	New Orleans and Carrollton R. R., Light, and Power Co.....	Electric light.....	7.30
	New Orleans Lighting Co., Lessee.....	Gas.....	13.75
	Chicago, Milwaukee and St. Paul Rwy. Co.....	Passenger transportation.....	8.00
	Pennsylvania Co.....	do.....	17.50
	Louisville and Nashville R. R. Co.....	do.....	23.83

## 394 EXPENDITURES IN DEPARTMENT OF AGRICULTURE.

*Expenditures of the Department of Agriculture for fiscal year ending June 30, 1904*—Cont'd.

## WEATHER BUREAU, GENERAL EXPENSES—Continued.

Date.	Name.	Nature of payment.	Total.
1904			
Jan. 31	Michigan Central R. R. Co.	Passenger transportation	\$10.62
	Washington County R. R. Co.	do.	13.20
	Norfolk and Southern R. R. Co.	do.	6.65
	The Baltimore and Ohio R. R. Co.	do.	25.25
	West Virginia Central and Pittsburg Rwy. Co.	do.	6.80
	St. Louis and San Francisco R. R. Co.	do.	8.10
	The Atchison, Topeka and Santa Fe Rwy. Co.	do.	43.40
	The Pennsylvania R. R. Co.	do.	102.80
	L. E. Scarr.	Washing towels	1.50
	Johnson & Johnson	Ice	2.40
	The Union Ice Co.	do.	9.20
	Columbian Transfer Co.	Drayage	16.15
	Baumgardt Publishing Co.	Printing climate and crop reports	13.00
	E. Roscher	File case	24.00
	The Daggett Printing Co.	Binding weather maps	1.50
	R. Bell	Packing batteries	3.00
	Silcott & Price	Stove	8.85
	L. F. Willoughby	Recasting rollers	3.90
	J. A. Roebing's Sons Co.	Cable	100.00
	W. Talbott	Stovepipe	1.50
	Carter, Rice & Co. (Incorporated)	Paper	127.42
	E. J. Shuttuck Co.	Recasting rollers	2.40
	The Van Bibber Roller Co.	do.	4.00
	Yates & Co.	Oil	5.00
	Queen & Co. (Incorporated)	Measuring sticks	18.00
	H. A. Poole	Horse hire	1.50
	C. Smith	do.	2.50
	Currie Co.	Repairing plumbing	9.55
	J. A. Roche & Co.	Repairing clocks	3.00
	J. Fredericks & Co. (Incorporated)	Carpet	80.60
	Hubbard-Heilborn Electric Co.	Battery apparatus	6.10
	E. C. Fuller Co.	Wire, etc.	7.15
	Johnson & Johnson	Coal and wood	28.00
	Standard Oil Co.	Gasoline	20.35
	Detroit and Mackinac R. R. Co.	Freight charges	1.63
	Star Union Line	do.	3.49
	Wisconsin Central Rwy. Co.	do.	.40
	The Erie and Western Transportation Co.	do.	.83
	Grand Rapids and Indiana Rwy. Co.	do.	3.14
	do.	do.	1.15
	The Colorado and Southern Rwy. Co.	do.	2.08
	Francis Miller	Turpentine	29.98
	Mackall Brothers	Glycerin	1.65
	J. B. Lambie Co. (Incorporated)	Sheet zinc	16.00
	John C. Parker	Paper	58.25
	do.	Files	18.00
	W. B. Moses & Sons	Shades	13.21
	do.	do.	20.22
	Delano & Moore	Rubber gloves, etc.	5.68
	The Smith Premier Typewriter Co.	Repairing typewriter	18.00
	Lamb & Tilden	Rubber stamps	2.64
	do.	do.	2.73
	do.	do.	1.03
	do.	do.	4.96
	American Writing Machine Co.	Typewriters	144.50
	do.	Typewriter stand	48.00
	W. S. Jenks	Iron trays	24.00
	J. C. Entwistle	Engraving rain chart	10.00
	J. W. Jordan & Co.	Recasting rollers	.50
	Southern Printers' Supply Co.	Logotype cases	8.00
	District of Columbia Paper Manufacturing Co.	Blotting paper	95.04
	W. H. Dyer	Sawdust	2.10
	M. G. Copeland Co.	Pennants	11.50
	E. C. Newsom	Station expenses	4.98
	R. P. Andrews & Co. (Incorporated)	Letter clips	3.20
	The J. C. Ergood Co.	Stove polish	5.50
	C. F. Schneider	Drayage	3.65
	Chicago, Milwaukee and St. Paul Rwy. Co.	Passenger transportation	20.98
	Houston and Texas Central R. R. Co.	do.	6.40
	Elizabeth City and Norfolk Telegraph Co.	Telegraph services	7.60
	Chicago and Northwestern Rwy. Co.	Passenger transportation	4.45
	Wm. Curry's Sons	Lawn mower	14.75
	Addressograph Co.	Printing materials	15.65
	Winton Telegraph Co.	Telegraph services	7.70
	W. B. Moses & Sons	Mirror	2.50
	O. W. Roberts	Station expenses	5.15
	W. L. Day	do.	39.11
	Wisconsin Telephone Co.	Telephone services	30.00
	The Southwestern Telegraph and Telephone Co.	do.	18.00

Expenditures of the Department of Agriculture for fiscal year ending June 30, 1904—Cont'd.

## WEATHER BUREAU, GENERAL EXPENSES—Continued.

Date.	Name.	Nature of payment.	Total.
1904.			
Jan. 31	Topeka Independent Telephone Co. ....	Telephone services .....	89.00
	Phillips, Smith & Van Orden (Incorporated) ..	Printing bulletins .....	45.00
	.....do.....	.....do.....	45.00
	P. H. Cheney & Sons .....	Electric light .....	4.69
	The Smith Premier Typewriter Co. ....	Repairing typewriter .....	22.50
	Grable & Collings Co. ....	Ink .....	2.75
	Delaware and Hudson Co. ....	Freight charges .....	1.05
	F. P. Evans .....	Traveling expenses .....	60.40
	B. F. Larcombe et al. ....	Pay roll, printing office .....	2,512.67
Feb. 4	F. J. Walz .....	Traveling expenses .....	3.00
	Milwaukee, substation .....	Pay roll .....	143.22
	J. N. Ryker .....	Station expenses .....	19.10
	R. M. Geddings .....	.....do.....	1.10
	G. E. Grimes .....	.....do.....	2.92
	M. E. Blystone .....	Drayage, etc .....	.75
	N. B. Conger .....	Special-delivery stamps .....	7.29
	D. Cuthbertson .....	Station expenses .....	15.55
	C. P. Mookins .....	Office rent .....	3.00
	K. Wagner .....	.....do.....	75.00
	E. D. Osborn .....	.....do.....	125.00
	Cumberland Telephone and Telegraph Co. ....	Telephone services .....	10.00
	Sunset Telephone and Telegraph Co. ....	.....do.....	15.00
	Union Trust Co., Detroit .....	.....do.....	2.50
	Sunset Telephone and Telegraph Co. ....	.....do.....	4.50
	The Culver Construction Co. ....	Electric light .....	14.50
	Houghton County Electric Light Co. ....	.....do.....	23.87
	Improvement Loan and Trust Co. ....	.....do.....	17.50
	The City of East Towas .....	.....do.....	7.50
	Consolidated Gas Co. of New Jersey .....	Electric current .....	35.34
	A. A. Finck .....	Printing climate and crop reports .....	4.00
	The Northwestern Telegraph Co. of Canada ..	Telegraph services .....	155.47
	Central District and Printing Telegraph Co. ....	.....do.....	20.00
	Western Union Telegraph Co. ....	.....do.....	426.77
	.....do.....	.....do.....	14,991.38
	Great Northern Rwy. Co. ....	Passenger transportation .....	33.90
	New York and Cuba Mail Steamship Co. ....	.....do.....	40.00
	Central Electric Co. ....	Battery jars, etc .....	25.49
	Robert Burns .....	Constructing board walk .....	37.75
	C. D. Page .....	Drayage .....	7.20
	Silecott & Price .....	Wire, etc .....	87.79
	Needham Bros .....	Washing towels .....	1.17
	The Globe Wernicke Co. ....	Index cards .....	10.00
	Arnold & Wetherbee .....	Installing batteries .....	7.10
	Duluth Van and Storage Co. ....	Removing instruments and shelter ..	89.00
	Chas. Eneu Johnson & Co. ....	Ink .....	61.00
	W. B. Davidson .....	Photograph .....	1.50
	J. H. Leslie .....	Force pump .....	25.00
	Yates & Co. ....	Oil .....	10.40
	Stoll & Thayer Co. ....	Bookcase .....	64.50
	The Richmond Day Co. ....	Repairing chairs .....	6.00
	J. C. Tucker, jr. ....	Coal .....	105.50
	Justinian Caire Co. ....	Mercury .....	1.00
	Goodyear Rubber Co. ....	Rubber .....	9.59
	Yates & Co. ....	Oil .....	5.40
	Alexander Yost Co. ....	Faucet and solder .....	2.45
	Bingham & Runge .....	Recasting rollers .....	3.25
	D. S. Lacey .....	Ink .....	3.00
	I. B. Hoffmire .....	Repairing instrument shelter .....	4.00
	J. Lang .....	Repairing telegraph line .....	14.00
	Riggs & Bro .....	Repairing clock .....	3.50
	Yates & Co. ....	Oil .....	4.50
	Geo. H. Fuller Desk Co. ....	Bookcase .....	11.00
	American Type Founders Co. ....	Logotype .....	84.56
	Angells Express .....	Moving office furniture .....	8.00
	John Underwood & Co. ....	Ink .....	11.03
	.....do.....	Paper .....	90.10
	Casper Ward .....	Erecting instrument shelter .....	6.75
	Thayer & Jackson .....	Binding charts .....	10.50
	.....do.....	Binding records .....	1.50
	The Pacific Transfer Co. ....	Drayage .....	35.50
	E. Hayes .....	Repairing office furniture .....	10.50
	John P. Geary .....	Hauling water .....	18.75
	.....do.....	Drayage .....	6.00
	E. V. Hauser .....	Coal .....	10.60
	Addressograph Co. ....	Addressograph supplies .....	5.00
	Bingley Photo-Engraving Co. ....	Zincotypes .....	5.00
	Dyer Bros .....	Erecting tower .....	195.00
	Standard Oil Co. ....	Oil .....	7.14
	Cape May Light and Power Co. ....	Electric light .....	4.32



*Expenditures of the Department of Agriculture for fiscal year ending June 30, 1904—Cont'd.*

## WEATHER BUREAU, GENERAL EXPENSES—Continued.

Date.	Name.	Nature of payment.	Total.
1904.			
Feb. 4	L. C. Cover.....	Drayage, etc.....	\$5.70
	Monahan & Steinert.....	Repairing imposing stone.....	3.50
	Chicago Edison Co.....	Electric light.....	17.36
10	J. A. Balster.....	Shoeing horses.....	6.60
	L. M. Tarr.....	Station expenses.....	73.95
	E. A. Beals.....	Drayage, etc.....	8.04
	T. S. Ourtam.....	Drayage.....	13.89
	T. J. Considine.....	.....do.....	4.25
	C. F. von Herrmann.....	Drayage, etc.....	17.67
	A. G. McAdie.....	Drayage.....	.65
	U. G. Pursell.....	Station expenses.....	3.85
	J. Warren Smith.....	Drayage.....	18.37
	D. Howard.....	Traveling expenses.....	11.05
	H. C. Frankenfield.....	.....do.....	29.28
	G. J. Gallaher.....	.....do.....	7.75
	W. T. Lathrop.....	.....do.....	9.45
	J. S. Plantz.....	Services.....	14.00
	U. V. Hendrix.....	.....do.....	7.00
	John Clarke.....	Telephone services.....	5.50
	Central Union Telephone Co.....	.....do.....	7.50
	Pacific States Telephone and Telegraph Co.....	.....do.....	4.50
	Rocky Mountain Bell Telephone Co.....	.....do.....	10.50
	The Mutual Telephone Co.....	.....do.....	11.25
	Northwestern Telephone Exchange Co.....	.....do.....	9.00
	New Bedford Gas and Edison Light Co.....	Electric light.....	7.86
	New London Gas and Electric Co.....	.....do.....	4.60
	Marblehead Municipal Light Department.....	.....do.....	5.37
	Arizona Publishing Co.....	Printing climate and crop reports.....	66.00
	Nashville, Chattanooga and St. Louis Rwy.....	Passenger transportation.....	4.10
	The Fred Marcy Co. (Limited).....	Office furniture.....	25.40
	J. K. Jacoy.....	Repairing clock.....	2.50
	T. J. Mott, jr.....	Painting office sign.....	1.25
	American Type Founders Co.....	Printing materials.....	11.98
	Littlefield, Alvord & Co.....	Drayage.....	14.31
	St. Louis Transfer Co.....	.....do.....	1.42
	Wm. J. Crawford.....	.....do.....	.90
	Santa Fe Central Rwy. Co.....	Freight charges.....	1.24
	The Oregon Short Line R. R. Co.....	.....do.....	7.82
	.....do.....	.....do.....	6.17
	The Atchison, Topeka and Santa Fe Rwy. Co.....	.....do.....	31.17
	Southern Rwy. Co.....	.....do.....	14.18
	Pittsburg, Cincinnati, Chicago and St. Louis Rwy.....	.....do.....	.57
	Louisville and Nashville R. R. Co.....	.....do.....	1.26
	Chicago, Rock Island and Pacific Rwy. Co.....	.....do.....	1.75
	Chicago, Burlington and Quincy Rwy. Co.....	.....do.....	6.95
	Virginia and Truckee R. R.....	.....do.....	.88
	Gulf, Colorado and Santa Fe Rwy. Co.....	.....do.....	1.69
	Michigan Central R. R. Co.....	.....do.....	1.45
	Evansville and Terre Haute R. R. Co.....	.....do.....	3.15
	Atlantic Coast Line R. R. Co.....	.....do.....	.69
	Grand Canyon Rwy.....	.....do.....	2.37
	The Erie and Western Transportation Co.....	.....do.....	1.14
	New Bedford, Marthas Vineyard and Nantucket Steamship Co.....	.....do.....	.70
	Richmond, Fredericksburg and Potomac R. Co.....	.....do.....	.25
	Norfolk and Western Rwy. Co.....	.....do.....	1.30
	Boston and Maine R. R.....	.....do.....	1.89
	Texas Central R. R. Co.....	.....do.....	1.48
	Rome, Watertown and Ogdensburg R. R.....	.....do.....	1.56
	Wabash R. R. Co.....	.....do.....	.56
	Burlington Route, Missouri Lines.....	.....do.....	.40
	Cleveland, Cincinnati, Chicago and St. Louis Rwy. Co.....	.....do.....	3.20
	W. M. Fulton.....	Station expenses.....	10.55
	E. L. Renoe.....	.....do.....	8.75
	A. Midgett.....	Repairing telegraph line.....	7.50
	A. H. Glass.....	Painting instrument shelter.....	5.00
	Hann & Adair.....	Printing annual summary.....	76.30
	Rocky Mountain Bell Telephone Co.....	Telephone services.....	63.60
	International Ocean Telegraph Co.....	Telegraph services.....	82.39
	The Direct West India Cable Co. (Limited).....	.....do.....	150.00
	Rising Sun Telegraph Line.....	.....do.....	2.60
	Jacksonville and St. Johns Bar Telegraph Line.....	.....do.....	24.50
	Baltimore and Ohio R. R. Co.....	.....do.....	2.70
	A. J. Servis & Son.....	Erecting tower.....	123.70
	J. J. Gray.....	Traveling expenses.....	2.55
	W. T. Lathrop.....	.....do.....	6.45

Expenditures of the Department of Agriculture for fiscal year ending June 30, 1904—Cont'd.

## WEATHER BUREAU, GENERAL EXPENSES—Continued.

Date.	Name.	Nature of payment.	Total.
1904, Feb. 10	A. H. Thiessen.....	Cleaning cells.....	\$10.70
	C. Sevilla.....	Cleaning office.....	5.00
	Richmond, substations.....	Pay roll.....	3.50
	Union Trust Co., Detroit.....	Telephone services.....	12.00
	The Chesapeake and Potomac Telephone Co. Alabama, Mississippi and Tennessee Tele- phone Co.....	.....do.....	5.10
	Minneapolis, St. Paul and Sault Ste. Marie Rwy. Co.....	Telegraph services.....	12.35
	New England Telephone and Telegraph Co Oregon Short Line R. R. Co.....	.....do.....	2.60
	Denver and Rio Grande R. R. Co.....	Passenger transportation.....	1.50
	Erie R. R. Co.....	.....do.....	7.50
	The Chesapeake and Ohio Rwy. Co.....	.....do.....	18.00
	Chicago and Northwestern Rwy. Co.....	.....do.....	27.40
	Union Pacific R. R. Co.....	.....do.....	53.67
	Narragansett Pier R. R. Co.....	.....do.....	30.00
	H. S. Miller.....	.....do.....	4.07
	Consumers Electrical Association.....	.....do.....	6.00
	G. E. Greene.....	Installing battery.....	20.00
	W. H. Trimmer.....	Repairing instrument shelter.....	40.00
	E. H. Moorhuse.....	Installing shelter.....	7.50
	Gross & Lebert.....	Map covers.....	7.50
	Louisville and Nashville R. R. Co.....	Rubber hose.....	15.00
	L. M. Sukeforth.....	.....do.....	6.42
	A. G. McAdie.....	Freight charges.....	2.20
	Burrell & Harmon.....	Traveling expenses.....	5.75
	Lamb & Tilden.....	Repairing roof.....	6.98
	.....do.....	Rubber stamps.....	2.06
	.....do.....	.....do.....	45.90
	National Electrical Supply Co.....	Steel figures.....	5.00
	Southern Printers' Supply Co.....	Lamps.....	11.85
	Rudolph, West & Co.....	Staples.....	62.50
	M. G. Copeland Co.....	Mops.....	12.60
	J. W. Jordan & Co.....	Flags and bunting.....	1,775.00
	M. Du Perow.....	Recasting rollers.....	9.75
	C. R. Edmonston.....	Wire.....	21.60
	Treasurer of the United States.....	Cuspidors.....	20.38
13	John Moran.....	Blower, motor, and connections.....	788.00
	John C. Parker.....	Sprinklers.....	2.00
	.....do.....	Clips.....	32.40
	.....do.....	Paper.....	791.75
	.....do.....	.....do.....	25.12
	.....do.....	Pen racks.....	10.05
	.....do.....	Paper.....	78.00
	.....do.....	Ink.....	10.49
	D. F. Parker.....	Paper.....	1,700.00
	C. F. Schneider.....	Traveling expenses.....	17.31
	J. J. O'Donnell.....	.....do.....	28.75
	E. C. Thompson.....	Station expenses.....	20.99
	H. Legler.....	Washing towels.....	1.05
	R. J. Hyatt.....	Drayage.....	7.85
	O. L. Fassig.....	Station expenses.....	5.72
	W. G. Burns.....	Drayage, etc.....	12.35
	E. W. McGann.....	Station expenses.....	10.38
	Norfolk, substations.....	Pay roll.....	10.00
	New York, substations.....	.....do.....	45.00
	Lutz & Co.....	Yoke straps.....	9.00
	.....do.....	Horse blankets, etc.....	25.35
	National Electrical Supply Co.....	Wall sockets.....	5.10
	Julien P. Friez.....	Barographs, thermometers, and pens.....	150.00
	J. D. Spreckels & Bros. Co.....	Transportation.....	60.00
	Baumgardt Publishing Co.....	Printing climate and crop bulle- tins.....	13.00
	C. C. Watson.....	Repairing thermograph.....	1.50
	The Waterbury Battery Co.....	Battery recharges.....	700.00
	Cotter & Watkins.....	Repairing river gauge.....	3.00
	Barelli & Kirtredge.....	Repairing printing press.....	2.50
	R. T. F. Smith.....	Coal.....	26.55
	Hopkins & Tumbleson.....	Repairing water pipe.....	2.00
	F. Sharp.....	Files.....	6.70
	Postal Telegraph Cable Co.....	Telegraph services.....	36.45
	.....do.....	.....do.....	573.57
	Corvallis and Eastern R. R. Co.....	.....do.....	2.50
	J. C. Davis.....	Freight charges.....	3.12
18	R. J. Hyatt.....	Traveling expenses.....	9.80
	R. G. Allen.....	.....do.....	15.06
	A. G. Miley.....	Services.....	9.00
	Phillips Bros.....	Printing annual summary.....	97.00
	L. K. Edwards.....	Repairing wind vane.....	1.50

Expenditures of the Department of Agriculture for fiscal year ending June 30, 1904—Cont'd.

## WEATHER BUREAU, GENERAL EXPENSES—Continued.

Date.	Name.	Nature of payment.	Total.
1904.			
Feb. 18	J. H. Thiemeyer	Packing boxes	\$98.29
	F. Hogue	Repairing river gauge	2.50
	Heybach-Bushi Co.	Printing materials	2.15
	R. P. Arnold	Relocating instrument shelter	2.00
	R. Loudon	Installing storage battery	9.00
	French & Bassett	Stove	44.05
	American Type Founders Co.	Printing materials	2.16
	Central Union Telephone Co.	Telephone services	18.00
	Home Telephone Co.	do	9.60
	Kelley Island and Sandusky Cable Co.	Telegraph services	9.30
	Postal Telegraph Cable Co. of Texas	do	9.00
	Pacific States Telephone and Telegraph Co.	do	9.80
	Western Union Telegraph Co.	do	15,599.15
	Burlington Route, Missouri Lines	Freight charges	2.53
23	Lamb & Tilden	Rubber stamps	1.10
	do	Logotypes	176.10
	W. E. Bonnett	Traveling expenses	6.85
	S. S. Schwarz	do	23.35
	M. B. Stubbs	do	8.45
	Royal Mail Steam Packet Co.	Office rent	24.00
	The Seattle Electric Co.	Electric light	11.88
	Muskegon Traction and Lighting Co.	do	7.50
	Elizabeth City and Norfolk Telegraph Co.	Telegraph services	7.80
	Western Union Telegraph Co.	do	257.92
	The Central District and Printing Telegraph Co.	do	30.00
	San Pedro, Los Angeles and Salt Lake R. R. Co.	Passenger transportation	22.95
	Virginia and Truckee R. R. Co.	do	16.80
	Southern Rwy. Co.	do	20.00
	do	Repairing river gauge	10.00
	Puget Sound Navigation Co.	Passenger transportation	4.75
	Peninsular and Occidental Steamship Co.	do	10.40
	Chicago, Rock Island and Pacific Rwy. Co.	do	10.60
	C. C. Ranson	Repairing telegraph line	2.50
	H. R. Eley	do	2.50
	Plain Dealer Publishing Co.	Stereotype metal	.80
	J. P. Friez	Brass castings	2.25
	Peter Gray & Sons	Repairing lanterns	20.00
	Iver Iverson	Repairing furniture	65.00
	E. Faber	Rubber bands	295.02
	R. M. Hull	Repairing typewriter	1.00
	R. P. Clarke Co.	Clip boards	6.45
	The Oregon Short Line R. R. Co.	Freight charges	25.66
	Baltimore and Ohio R. R. Co.	Telegraph services	2.60
	do	do	2.60
	do	do	2.50
	do	do	2.50
	Central R. R. Co. of New Jersey	Passenger transportation	6.50
	W. T. Jarvis	Horse hire	1.50
	L. S. Woodhouse	do	2.00
	Western Union Telegraph Co.	Repairing telegraph line	3.10
	Philip Lindemeyer	Rollers	36.00
	C. W. Rogg Co.	Demijohn	1.00
	Pacific Metal Works	Stereotype metal	8.00
	The Arkansas Democrat Co.	Ink and mucilage	6.00
	Standard House Furnishing Co.	Bookcase	19.80
	J. H. Bunnell & Co.	Battery brushes	4.75
	Mineralized Rubber Co.	Rubber hose	18.50
	do	do	18.50
	C. B. Lebkicher	Mounting map	3.50
	Barnhart Bros. & Spindler	Repairing printing press	5.40
	Meteorological Council	Compiling telegrams	11.19
	Chapin & Simpson	Hauling tile	14.00
	F. F. Bossuot	Door shelter	1.05
	Clark & Davenport	Rugs and linoleum	94.87
	do	Rugs	54.00
	Delaware and Hudson Co.	Freight charges	2.63
29	R. A. Moffatt	Traveling expenses	8.10
	S. C. Calvert	do	11.55
	G. E. Turner	do	8.50
	A. B. Aymard	do	12.95
	F. M. Taylor	Instrument shelter	1.00
	Barlow & Bros.	Binding maps	2.25
	J. Campbell	Washing towels	2.25
	C. C. Watson	Repairing clock	1.00
	John Kitchen, jr., Co.	Binding charts	5.00
	J. J. Lawler & Co.	Steam radiator	45.00
	Carter, Rice & Co. Corporation	Paper	596.79



Expenditures of the Department of Agriculture for fiscal year ending June 30, 1904—Cont'd.

WEATHER BUREAU, GENERAL EXPENSES—Continued.

Date.	Name.	Nature of payment.	Total.
1904. Feb. 29	The Lake Shore and Michigan Southern Rwy. Co.	Passenger transportation.....	\$22.00
	Cumberland Telephone and Telegraph Co...	Telephone services.....	2.60
	Carmelo Sevilla.....	Services.....	5.00
	M. A. Robinson.....	Subsistence.....	41.46
	W. A. R. Rawle.....	Station expenses.....	2.96
	Western Union Telegraph Co.....	Telegraph services.....	15,248.12
	International Ocean Telegraph Co.....	do.....	92.05
	West India and Panama Telegraph Co. (Lim- ited).	do.....	1,354.10
	Union Pacific R. R. Co.....	Freight charges.....	1.65
	Louisville and Nashville R. R. Co.....	do.....	15.05
	Central Vermont Rwy. Co.....	do.....	.57
	St. Louis and San Francisco R. R. Co.....	do.....	6.56
	do.....	do.....	2.04
	Pennsylvania R. R. Co.....	do.....	14.43
	A. W. Shilling.....	Traveling expenses.....	11.25
	F. J. Walz.....	do.....	143.21
	W. S. Belden.....	Station expenses.....	7.95
	H. F. Barnett.....	Rent of ground.....	7.00
	Hoke Engraving Plate Co.....	Recoating base plates.....	117.17
	do.....	do.....	262.50
	do.....	do.....	300.00
	Keuffel & Esser Co.....	Drawing tables.....	33.00
	Walter Talbott.....	Dust brush, etc.....	6.25
	Fox Typewriter Co.....	Typewriter stand.....	3.75
	Geo. De Nio Co.....	Shelves in office.....	20.58
	A. L. Shipman's Sons.....	Files.....	80.40
	Cleveland, Cincinnati, Chicago and St. Louis Rwy. Co.	Freight charges.....	1.15
	Florida East Coast Rwy. Co.....	do.....	13.11
	Chicago and Northwestern Rwy. Co.....	do.....	3.68
	do.....	do.....	3.94
	E. C. Hobbs.....	Traveling expenses.....	24.32
	Chas. Dill.....	do.....	6.90
	L. G. Sutton.....	do.....	6.00
	A. H. Thiessen.....	do.....	63.25
	do.....	do.....	51.50
	C. M. Strong.....	do.....	77.60
	W. C. Devereaux.....	do.....	36.35
	W. E. Bonnett.....	do.....	47.70
	Cutrell & Leffingwell.....	Transportation of employees, etc.	75.00
	Flint & Walling Manufacturing Co.....	Storm-warning tower, etc.....	68.45
	Wm. T. Wood & Co.....	Ice augers, etc.....	18.25
	Crowley Electric Co.....	Repairing electric-light fixtures.....	7.30
	Tarbett-Phemister Co.....	Repairing printing press.....	2.03
	Northwestern Fuel Co.....	Coal.....	120.13
	Carter Rice & Co. Corporation.....	Cardboard.....	62.50
	Inland Type Foundry.....	Printing supplies.....	4.59
	Raymond Gutowski.....	Coal.....	39.18
	Marthas Vineyard Telegraph Co.....	Telegraph services.....	50.53
	Baltimore and Ohio R. R. Co.....	do.....	3.00
	Ocean Towboat Line.....	do.....	14.00
	James B. Lambie Co. (Incorporated)	Picture wire.....	2.62
	do.....	Tools.....	8.58
	do.....	Cotton rope.....	5.00
	do.....	Cotton waste, brooms, etc.....	91.77
	Rudolph, West & Co.....	Copper tacks.....	5.63
	do.....	Brushes, nails, etc.....	58.77
	Geo. F. Muth & Co.....	Lamp brackets, etc.....	4.05
	do.....	Brushes, oil, lye, etc.....	108.98
	M. Du Perow.....	Fuse holders.....	1.00
	W. B. Moses & Sons.....	Door mats.....	28.08
	Hugh Reilly.....	Paint.....	6.00
	Adams Express Co.....	Express charges.....	49.70
	James Berry.....	Traveling expenses.....	80.95
	John C. Parker.....	Bookcase.....	17.80
	do.....	Paper.....	767.73
	do.....	Ink pads.....	4.00
	D. Frank Parker.....	Pens, pads, ribbons and varnish.....	280.46
	R. P. Andrews & Co. (Incorporated)	Paper clips.....	7.99
	Edward Mullin.....	Rags.....	14.00
	J. C. Entwistle.....	Engraving rain chart.....	10.00
	F. A. Schmidt.....	Ink.....	10.50
	do.....	Pens.....	7.50
	do.....	Paper.....	6.60
	do.....	Rain gauges.....	307.00
	American Writing Machine Co.....	Typewriter stand.....	48.00
	do.....	Typewriters.....	139.50
	R. Carter Ballantyne.....	Envelopes.....	27.00

## 400 EXPENDITURES IN DEPARTMENT OF AGRICULTURE.

Expenditures of the Department of Agriculture for fiscal year ending June 30, 1904—Cont'd.

## WEATHER BUREAU, GENERAL EXPENSES—Continued.

Date.	Name.	Nature of payment.	Total.
1904.			
Feb. 29	Southern Printers' Supply Co. ....	Set screw .....	80.35
	Thos. Somerville & Sons .....	Duplicating rollers .....	20.16
	Remington Typewriter Co. ....	Typewriter ribbons .....	52.30
	J. W. Taylor .....	Roller stretcher .....	7.00
	H. J. Green .....	Thermometers .....	1,000.00
	J. P. Friez .....	Rain gages .....	562.50
	The Great Northwestern Telegraph Co. of Canada .....	Telegraph services .....	149.21
	W. Bement .....	Wall molding .....	15.68
	Yawman Erbe Manufacturing Co. ....	File case .....	50.00
	E. G. Washburn & Co. ....	Weather vane .....	13.50
	Peter Gray & Sons .....	Storm-warming lanterns .....	150.00
	James Hayden, administrator of E. Hayden, deceased .....	Drayage .....	2.15
Mar. 7	B. F. Larcombe et al. ....	Pay roll, printing office .....	2,488.75
	United States Express Co. ....	Express charges .....	33.75
	Adams Express Co. ....	do .....	6.35
	Laura M. Dey .....	Traveling expenses .....	15.10
	W. U. Simons .....	do .....	2.25
	W. G. Wilson .....	do .....	7.40
	E. G. Colvin .....	do .....	13.90
	A. F. Sims .....	do .....	25.30
	T. B. Jennings .....	Drayage, etc. ....	5.65
	G. A. Loveland .....	Station expenses .....	6.88
	P. J. Sherry .....	Car fare .....	1.85
	Southern Bell Telephone and Telegraph Co. ....	Telephone services .....	7.50
	North Montana Telephone Co. ....	do .....	15.00
	Rocky Mountain Bell Telephone Co. ....	do .....	22.25
	International Ocean Telegraph Co. ....	Telegraph services .....	159.84
	New York Central and Hudson River R. R. Co. ....	Passenger transportation .....	1.10
	Norfolk and Washington, D. C., Steamboat Co. ....	do .....	15.20
	Chicago and Northwestern Rwy. Co. ....	do .....	8.09
	Seaboard Air Line Rwy. ....	do .....	5.15
	Missouri, Kansas and Texas Rwy. Co. ....	do .....	10.95
	Northern Pacific Rwy. Co. ....	do .....	36.80
	Vicente Gonzales .....	Office rent .....	40.00
	do .....	do .....	40.00
	Oscar Howard .....	Repairing telegraph line .....	2.00
	Joe Sly .....	do .....	2.00
	George Beesley .....	do .....	2.00
	C. C. Ranson .....	do .....	2.50
	F. Smith .....	Horse hire .....	1.00
	H. A. Poole .....	do .....	5.00
	O. W. Bye .....	do .....	3.00
	do .....	Repairing telegraph line .....	2.00
	Philip Lindemeyr .....	Paste .....	174.20
	Addressograph Co. ....	Addressograph .....	44.85
	Chas. Eneu Johnson & Co. ....	Ink .....	88.50
	Southern Rwy. Co. ....	Freight charges .....	9.72
	Postal Telegraph Cable Co. ....	Telegraph services .....	630.73
	R. A. Inman .....	Services .....	9.00
	The Hanson & Van Winkle Co. ....	Lacquer .....	4.00
	Carey Machinery and Supply Co. ....	Truing device .....	4.50
	B. P. Clapp Ammonia Co. ....	Ammonia .....	10.53
	Inland Type Foundry .....	Leads .....	10.70
	H. E. Ney .....	Painting instrument shelter .....	1.00
	W. M. Perry Electric Co. ....	Connections for droplight .....	1.00
	F. F. Bossuot .....	Constructing board walk .....	33.60
	S. B. Haffner .....	Repairing barometer box, etc. ....	.60
	The Port Royal Dock Co. ....	Coal .....	7.50
11	H. A. McNally .....	Traveling expenses .....	50.95
	Chas. Stewart .....	Rewiring cable .....	4.00
	M. A. Robinson .....	Subsistence .....	25.50
	Crowdus Bros. & Co. ....	Coal .....	45.00
	E. L. Renoe .....	Office rent .....	100.00
	New York Telephone Co. ....	Telephone services .....	9.85
	New England Telephone and Telegraph Co. ....	Telegraph services .....	2.50
	Pacific States Telephone and Telegraph Co. ....	do .....	15.10
	Alabama, Mississippi and Tennessee Tele- phone Co. ....	do .....	6.00
	The Direct West India Cable Co. (Limited) ..	do .....	152.52
	H. S. Crocker Co. ....	Printing annual summary .....	225.00
	Phillips, Smith & Van Orden (Incorporated) ..	Printing climate and crop reports .....	45.00
	The Pennsylvania R. R. Co. ....	Passenger transportation .....	13.80
	Atlantic Coast Line R. R. Co. ....	do .....	26.40
	D. Stormont .....	Repairing telegraph line .....	30.00
	R. Peacon .....	Oil and gasoline .....	11.55
	J. S. Walker .....	Electrotype metal .....	3.32
	C. A. Brunold .....	Repairing water tank .....	2.50

Expenditures of the Department of Agriculture for fiscal year ending June 30, 1904—Cont'd.

## WEATHER BUREAU, GENERAL EXPENSES—Continued.

Date.	Name.	Nature of payment.	Total.
1904.			
Mar. 11	J. S. Walker	Incandescent lamps	\$1.25
	A. Midgett	Services and horse hire	2.50
	Philip Lindemeyr	Printer's blanks	27.00
	O'Callaghan, Nelson & Co.	Freight charges	3.25
	A. S. Gardiner	Repairing typewriter	2.25
	Holbrook, Merrill & Stetson	Covers	4.37
	The J. M. Klein Electrical Works	Station supplies	8.50
	Cmsstatter-Meyer Co.	Repairing chair	1.00
	Crocker Mantel and Tile Co.	Chandelier	15.50
	Pacific States Type Foundry	Type	2.50
	Peter Gray & Sons	Lanterns	24.30
	Atlantic Coast Line R. R. Co.	Freight charges	36.89
	.....do.....	.....do.....	.90
	Illinois Central R. R. Co.	.....do.....	.21
	.....do.....	.....do.....	.28
	.....do.....	.....do.....	.73
	.....do.....	.....do.....	.27
	.....do.....	.....do.....	.22
	Chicago, Peoria and St. Louis Rwy. Co. of Illinois	.....do.....	.71
	C. H. Mallory	.....do.....	2.73
	Michigan Central R. R. Co.	.....do.....	1.02
	Chesapeake and Ohio Rwy. Co.	.....do.....	2.80
	New York Central and Hudson River R. R. Co.	.....do.....	4.94
	New York and Porto Rico Steamship Co.	.....do.....	4.56
	Chicago and Northwestern Rwy. Co.	.....do.....	24.68
	Nashville, Chattanooga and St. Louis Rwy. Co.	.....do.....	.83
	Norfolk and Washington Steamboat Co.	.....do.....	2.65
	The Denver and Rio Grande R. R. Co.	.....do.....	1.44
	North Shore R. R. Co.	.....do.....	2.27
	W. R. Morton	Drayage	2.52
	St. Louis Transfer Co.	.....do.....	1.92
	W. P. Stewart	Traveling expenses	4.25
	E. H. Thompson	.....do.....	30.00
	James Rees	Painting instrument shelter	3.50
	C. C. Ball	Coal	43.00
	S. C. Glass	Varnishing furniture	13.00
	Doerr, Mitchell & Co.	Running wires, etc	7.60
15	F. H. Bigelow	Traveling expenses	10.82
	G. H. Bliss	.....do.....	9.55
	F. P. Chaffee	.....do.....	15.56
	H. B. Hersey	.....do.....	235.15
	B. J. Sherry	.....do.....	4.25
	W. T. Blythe	Printing annual summary	80.00
	J. J. Gray	Express charges	7.05
	C. H. Medlock	Drayage	3.00
	E. W. Paget	Running levels	10.00
	Summers Printing Co.	Printing annual summary	94.50
	C. V. Harris	Horse hire	2.00
	Queen & Co. (Incorporated)	Measuring sticks	90.00
	G. E. French & Co.	Silver sand	3.00
	C. E. Wood	Repairing instrument shelter	1.00
	Delaware and Atlantic Telegraph and Telephone Co.	Telephone services	12.00
	J. A. Brasher Co. (Limited)	Triple ocular	5.00
	Mineralized Rubber Co.	Rubber hose	2.31
	New Orleans and Northeastern R. R. Co.	Freight charges	.78
	.....do.....	.....do.....	.98
	J. W. Jordan & Co.	Recasting rollers	2.88
	M. W. Hayes	Traveling expenses	28.25
18	F. W. Fischer	.....do.....	6.05
	W. S. Belden	.....do.....	16.40
	New York, substations.	Pay roll	45.00
	United States Envelope Co.	Envelopes	47.03
	.....do.....	.....do.....	711.96
	Campbell Printing Press Manufacturing Co.	Parts of printing press	38.35
	.....do.....	.....do.....	100.96
	John Jordt	Wardrobe, etc	19.00
	P. D. Holmes	Repairing telegraph line	2.50
	R. C. Goodrich	Repairing river gage	2.50
	Mineralized Rubber Co.	Rubber hose	13.87
	.....do.....	.....do.....	9.25
	H. H. Hays Sons	Electrotype, etc	1.75
	Western Union Telegraph Co.	Constructing loop	113.18
	Consolidated Electric Light Co. of Maine	Installing storage battery	16.94
	L. A. Greaux	Repairing clock	1.50
	E. P. Hayer	Printing annual summary	72.50



402 EXPENDITURES IN DEPARTMENT OF AGRICULTURE.

Expenditures of the Department of Agriculture for fiscal year ending June 30, 1904—Cont'd.

WEATHER BUREAU, GENERAL EXPENSES—Continued.

Date.	Name.	Nature of payment.	Total.
1904.			
Mar. 18	Porter Burnham Co	Repairing storage battery	\$4.47
	Des Moines Edison Light Co	Materials for storage battery	11.45
	Hayre Commercial Co	Brooms	1.50
	J. P. Nawrath	Paper	38.00
	H. R. Eley	Repairing telegraph line	2.50
	Philip Lindemeyer	Tissue paper	2.25
	Richard Fysh	Cleaning clock	1.00
	Southern Scale and Fixture Co.	Water cooler and stand	12.75
	C. C. Ranson	Repairing telegraph line	2.50
	McQuiddy Printing Co	Printing annual summary	59.00
	Pacific Electric Co	Installing storage battery	12.75
	H. S. Sullivan	do	7.50
	Howe, Davis & Kilham	Binding charts	24.00
	Lumsden Brothers	Repairing rain gage	5.00
	Edwards & Broughton	Printing annual summary	42.60
	Addressograph Co	Type and logotype	216.56
	S. J. Yarger	Stapling-machine blades	.90
	Valley Paper Co	Paper	165.00
	C. C. Furniture Co	Mirror	6.00
	Texas Printers' Supply Co	Type	12.15
	J. H. Thiemeyer	Packing boxes	51.00
	Adams Express Co	Express charges	8.41
	Central District and Printing Telegraph Co.	Telegraph services	22.80
	Great Northwestern Telegraph Co. of Canada	do	119.85
	Home Telephone Co	do	7.20
	Corvallis and Eastern R. R. Co	do	2.40
	Western Union Telegraph Co.	do	15,354.71
	Chesapeake and Ohio Rwy. Co	Freight charges	13.45
	San Antonio and Aransas Pass Rwy. Co	do	6.99
	Chicago and Alton Rwy. Co	do	.75
	New York, New Haven and Hartford R. R. Co	do	.45
	W. J. Crawford	Drayage	1.80
	Minneapolis, St. Paul and Sault Ste Marie Rwy. Co	Telegraph services	10.10
	Rising Sun Telegraph Line	do	2.60
	Elizabeth City and Norfolk Telegraph Co	do	4.90
	Philadelphia, Reading and Pottsville Telegraph Co	do	.37
	Georgia R. R.	Passenger transportation	3.75
	Illinois Central R. R. Co	do	20.25
	Southern Rwy. Co	do	1.75
	The Western Rwy. of Alabama	do	5.25
	W. A. Mitchell	Express charges	6.85
	T. F. Townsend	do	2.50
	The Atlantic Electric Light and Power Co.	Electric light	28.56
	Queen & Co. (Incorporated)	Mercurial contacts	77.50
	Henry Duhl	Painting	22.00
	Baumgardt Publishing Co	Printing	16.25
	M. Krammer	Cleaning clock	1.25
	John Sands	Repairing telegraph lines	3.00
	H. A. Poole	do	4.50
	John Jackson	do	2.00
	Chamberlain & Taylor	Copy holder	2.75
	G. W. Taylor & Co.	Stove coal	18.00
	Crocker, Wheeler Co.	Gage brushes	1.60
	Amarillo Water, Light and Power Co.	Electric globe	3.00
	American Ice Co.	Coal	21.30
	W. F. Hooper	Taking up cable	25.00
	Duluth, South Shore and Atlantic Rwy. Co	Freight charges	1.00
	New Bedford, Marthas Vineyard and Nantucket Steamboat Co.	do	.70
	E. H. Hughes	Traveling expenses	2.50
	J. A. Barwick	do	13.75
	H. E. Hobbs	do	7.95
	C. E. Johnson	Postal money orders	.83
	E. Hayte	Repairing telegraph line	4.00
	W. Irving	do	2.00
	Western Union Telegraph Co.	do	3.70
	McEwer & Lauver	Wood	22.81
	The Waterbury Battery Co.	Cells	22.50
	Lindstrom & Berg	File cases	65.00
	Geo. Back	Repairing instrument shelter	3.00
	W. S. Jenks	Thermograph covers	18.00
	Addressograph Co.	Setting case, etc.	1.60
	W. T. Wood & Co.	Ice augurs, etc.	42.00
	J. F. Schopf	Repairing instruments	10.00
	U. B. Dedge	Repairing storm-warning tower	22.00
	Yates & Co.	Coal oil	9.28

Expenditures of the Department of Agriculture for fiscal year ending June 30, 1904—Cont'd.

## WEATHER BUREAU, GENERAL EXPENSES—Continued.

Date.	Name.	Nature of payment.	Total.
1904. Mar. 23	New York Laundry Works (Incorporated)	Towel supply	\$6.00
	H. E. Chesnutt	Wheelbarrow	2.85
	F. W. Baily	Erecting river gauge	5.00
	H. H. Hodgson	Repairing typewriter	.80
	W. O. Stubbs	do	6.00
	National Lead Co.	Stereotype metal	5.53
	Pacific States Telephone and Telegraph Co.	Telegraph services	7.20
	West India and Panama Telegraph Co. (Limited)	do	.90
	Washington Southern Rwy.	Freight charges	1.29
	Chesapeake and Ohio Rwy. Co.	do	3.38
	do	do	2.54
	Southern Rwy. Co.	do	17.59
	New York Central and Hudson River R. R. Co.	do	2.92
	Illinois Central R. R. Co.	do	.34
	New York, New Haven and Hartford R. R. Co.	do	4.11
	Nashville, Chattanooga and St. Louis Rwy. Co.	do	1.13
	The Denver and Rio Grande R. R. Co.	do	2.55
	Pacific Coast Steamship Co.	do	.60
	Cleveland, Cincinnati, Chicago and St. Louis Rwy. Co.	do	1.71
	Chicago, Burlington and Quincy Rwy. Co.	do	.90
	Washington County R. R. Co.	do	1.99
	Boston and Maine R. R. Co.	do	.72
	Pennsylvania Co.	do	.37
	J. H. Kimball	Traveling expenses	15.75
	A. Brand	Drayage, etc.	5.00
	F. F. Bossnot	Supports for sunshine recorder	2.50
	R. D. Noe	Installing waste valve	10.00
	Addressograph Co.	Addressograph parts	4.75
	L. Link	Wood	13.20
	J. F. Howison	Repairing typewriter	5.00
	Union Pacific R. R. Co.	Freight charges	18.56
	Forsberg and Murray	Repairs to engine, etc.	84.00
	do	Fire hose	10.00
	Lamb & Tilden	Rubber stamps	1.12
	do	do	1.10
	American Writing Machine Co.	Repairing typewriter	31.40
	do	Platen	3.17
	Estate of John C. Parker	Paper, letter presses, etc.	393.40
	do	Bookcase	17.80
	J. E. Turton	Instrument shelters	729.00
	The J. C. Ergood Co.	Corn starch	1.44
	John Moran	Sprinklers	3.00
	W. B. Moses & Sons	Rugs	127.20
	J. Baumgarten & Sons	Stamps	4.50
	Standard Oil Co.	Oil	8.10
	W. H. Rupp Co.	Ink	41.58
	G. W. Millar & Co.	Paper	103.00
	Wm. Ballantyne & Sons	Dictionaries	48.25
	E. Morrison Paper Co.	Pasteboard jackets	6.00
	R. P. Andrews & Co. (Incorporated)	Cardboard	6.50
	E. G. Schafer & Co.	Hose bibbs	2.50
	C. A. Muddiman & Co.	Hanging lamp	5.50
	R. Carter Ballantyne	Record books and paper	50.74
	Sutherland & Carr	Iron weights	7.20
	The Maurice Joyce Engraving Co.	Photo engraving plates	78.93
	do	do	11.48
	Library Bureau	Cards	3.15
	John Hansen	Repairing clock	4.50
	J. G. Smith	Penholders	18.00
	Clark & Davenport	Linoleum	9.24
	United States Express Co.	Express charges	6.40
	Remington Typewriter Co.	Repairing typewriter	13.35
	do	Typewriter ribbons	1.43
	The Smith Premier Typewriter Co.	Typewriter, etc.	92.25
	do	Repairing typewriter	20.60
	James B. Lambie Co. (Incorporated)	Lock, etc.	1.48
	do	Drop handles	4.25
	do	Belt lacing	3.50
	do	Oil can	.80
	do	Vice	7.50
	do	Drill	1.15
	do	Shelf blocks	2.00
	Woodward & Lothrop	Desk	31.55
	do	Towels	457.50

Expenditures of the Department of Agriculture for fiscal year ending June 30, 1904—Cont'd.

## WEATHER BUREAU, GENERAL EXPENSES—Continued.

Date.	Name.	Nature of payment.	Total.
1904.			
Mar. 23	Paul De Graw	Subsistence and rent of rooms	\$80.00
	H. L. Smith	Oil	3.00
	Marthas Vineyard Telegraph Co	Telegraph services	48.62
	W. M. Wilson	Station expenses	15.65
	Cutrell & Leffingwell	Transportation of employees, etc.	50.00
	H. H. McNeil	Printing annual summary, etc	95.00
	R. D. Noe	Installing electric-light fixtures	40.00
	C. B. Scott	Coal	60.00
	G. E. Lawton	Traveling expenses	11.25
	H. W. Grasse	Electric light and drayage	4.00
	A. Zappone	Traveling expenses	3.80
	E. H. Nimmo	Station expenses	2.50
	A. A. Finck	Printing annual summary	47.70
	A. H. Thiessen	Traveling expenses	79.30
31	John Driscow	do	2.25
	G. E. Franklin	Station expenses	12.75
	R. Carter Ballantyne	Pens and pencils	204.14
	Estate of John C. Parker	Paper, erasers, etc	404.37
	The Friedenwald Co.	Paper	760.80
	Citizens Bank of Norfolk, Va	Office rent	131.25
	C. M. Beeson	do	88.91
	Conrad National Bank	do	67.50
	Law Building Co.	do	62.50
	Frank Leddy, agent Mally Building	do	150.00
	Estate of S. Marks & Co.	do	84.75
	Bank of Tehama County	do	99.06
	Consolidated Improvement Co.	do	165.00
	T. B. Catron	do	105.00
	Taylor National Bank	do	143.75
	Edgar Harding	do	85.00
	Jose Valenti	do	75.00
	D. Hope Ross	do	72.00
	Adam Geiger	do	60.00
	Walla Walla Lodge, No. 56, I. O. O. F.	do	84.87
	A. J. Knight	do	82.19
	Marquette County Savings Bank	do	90.00
	Dent & Butler	do	105.00
	Tacoma Chamber of Commerce and Board of Trade	do	75.00
	F. E. Warren Mercantile Co.	do	155.00
	Loan and Exchange Bank of South Carolina	do	150.00
	The Farmer's National Bank of Fresno	do	94.50
	International Ocean Telegraph Co.	Telegraph services	211.53
	Dunn & Lemmon	Printing annual summary	50.00
	Texas and Pacific Rwy. Co.	Freight charges	20.79
	W. B. Moses & Sons	Desk	11.00
	Rudolph, West & Co.	Sash chain, bolts, etc	31.28
	W. H. Dyer	Sawdust	1.75
	C. R. Edmonston	Cuspidors	2.70
	Clark & Davenport	Carpet	39.84
	Mackall Bros.	Corks	5.37
	Delano & Moore	Film packs, etc.	6.67
	Woodward & Lothrop	Rug	30.00
	John Moran	Cesspool	.75
	Forsberg & Murray	Repairing engine	13.00
	Barber & Ross	Iron, glue, etc.	34.93
	Geo. F. Muth & Co.	Paper	10.00
	do	Oil	15.75
	Telephone Co. of South Jersey	Telephone services	5.00
	South Carolina Long Distance Telephone Co.	do	10.00
	The Southern New England Telephone Co.	do	36.00
	Santa Fe Electric Telephone Co.	do	6.00
	Pacific States Telephone and Telegraph Co.	do	9.00
	Bell Telephone Co.	do	29.50
	J. C. Entwistle	Engraving chart	10.00
	Hammatt Contracting Co.	Erecting storm-warning tower	82.00
	L. C. Hall	Repairing telegraph line	2.50
	L. H. Jones	Recasting rollers	2.70
	Delano & Moore	Plates	8.22
	S. A. Bristol	Binding weather map	4.00
	The Port Royal Dock Co.	Coal	14.00
	United States Mailing Case Co.	Mailing cases	30.00
	Standard Oil Co.	Gasoline	20.35
	West Virginia Central and Pittsburg Rwy. Co.	Passenger transportation	3.40
	Lehigh Valley R. R. Co.	do	3.00
	Washington Southern Rwy. Co.	do	8.30
	New Orleans and Northeastern R. R. Co.	do	9.75
	Seaboard Air Line Rwy.	do	15.80



EXPENDITURES IN DEPARTMENT OF AGRICULTURE. 405

Expenditures of the Department of Agriculture for fiscal year ending June 30, 1904.—Cont'd.

WEATHER BUREAU, GENERAL EXPENSES—Continued.

Date.	Name.	Nature of payment.	Total.
1904.			
Mar. 31	Galveston, Houston and Northern Rwy. Co.	Passenger transportation.....	\$12.30
	Cincinnati, Hamilton and Dayton Rwy. Co.	.....do.....	23.35
	The Pennsylvania R. R. Co.	.....do.....	36.50
	F. Jermin	Traveling expenses.....	8.25
	W. S. Palmer	.....do.....	4.00
	A. Zappone	.....do.....	33.95
	Joseph Brown	.....do.....	8.50
	Southern Bell Telephone and Telegraph Co.	Telephone services.....	9.00
	American Type Founders Co.	Glue, etc.....	7.52
	J. Leeds	Painting sign.....	3.00
	J. J. Freeman & Co.	Cleaning thermograph clock.....	2.50
	Addressograph Co.	Logotype.....	3.04
	C. A. Blummer	Cleaning office.....	15.00
	John Turnbull, jr., & Co.	Bookcase.....	27.00
	Standard Oil Co.	Oil.....	12.50
	Pennsylvania Telephone Co.	Telephone services.....	18.00
	.....do.....	.....do.....	8.25
	A. L. Crumpton	Washing towels.....	.75
	O. Howard	Repairing telegraph line.....	5.00
	Julien P. Friez	Anemometer supports.....	9.00
	Tampa Electric Co.	Electric light.....	3.00
	Pacific States Telephone and Telegraph Co.	Telegraph services.....	16.40
	Carmelo Sevilla	Cleaning office.....	5.00
	Statesman Printing Co.	Printing annual summary.....	44.00
	Ocean Tow Boat Line	Telegraph services.....	8.00
	The Denver and Rio Grande R. R. Co.	Freight charges.....	2.47
	C. H. Mallory & Co.	.....do.....	2.32
	C. M. Coffin	Repairing telegraph line.....	12.00
	Western Union Telegraph Co.	.....do.....	6.95
	Thompson Lithographing and Printing Co.	Printing annual summary.....	110.00
	A. H. Revell & Co.	Repairing desk.....	1.50
	C. M. Letts	Cleaning carpet.....	8.55
	Bingley Photo Engraving Co.	Printing materials.....	2.50
	James B. Lambie Co. (Incorporated)	Soldering set.....	1.00
	American Type Founders Co.	Printing materials.....	7.19
	Yates & Co.	Benzine.....	1.05
	American Type Founders Co.	Packages copper spaces.....	1.50
	Oklahoma Ice and Brewing Co.	Ice.....	3.20
	James Milton	Installing sewer system.....	116.00
	Barnhart Bros. & Spindler	Type.....	3.76
	Sydnor & Hundley	File case.....	20.00
	Lynchburg Telephone Co.	Telephone services.....	3.00
	Union Trust Co., Detroit.	.....do.....	15.00
	Southern Bell Telephone and Telegraph Co.	.....do.....	21.00
	G. L. Lovett	Office rent.....	105.00
	Paine Bros.	.....do.....	77.70
	Peter Sonna	.....do.....	120.00
	Fremont Lumber Co.	.....do.....	87.75
	Orson, Adams, jr.	.....do.....	120.00
	Prudential Building Co.	.....do.....	170.00
	Postal Telegraph Cable Co. of Texas	Telegraph services.....	1.00
	West Virginia Western Telephone Co.	Telephone services.....	.30
	.....do.....	.....do.....	4.50
	Western Union Telegraph Co.	Telegraph services.....	221.62
	Great Northern Rwy. Co.	Freight charges.....	67.27
	Chicago, Burlington and Quincy Rwy. Co.	.....do.....	1.64
	B. F. Larcombe et al.	Pay roll, printing office.....	2,643.32
	Total third quarter.....		138,130.75
Apr. 8	New Haven, substations	Pay roll.....	48.00
	Pensacola, substations	.....do.....	36.00
	R. J. McMaster	Services.....	15.00
	C. M. Strong	Express charges.....	4.45
	E. L. Wells	.....do.....	1.00
	L. C. Cover	Drayage, etc.....	5.66
	N. R. Taylor	Drayage.....	2.75
	J. R. Williams	Changing roof equipment.....	22.75
	H. C. Bate	Drayage, etc.....	3.42
	E. M. Minehart	Traveling expenses.....	4.50
	L. H. Murdoch	.....do.....	18.25
	E. J. Phelps	Ink and mucilage.....	7.25
	Fred Wimburst	Painting instrument shelter.....	10.00
	H. S. Hudgins	Painting office sign.....	10.00
	W. H. Myer & Co.	Painting instrument shelter.....	15.00
	Geo. W. Taylor & Co.	Coal.....	21.80
	C. P. Carlin	Making connections with tank.....	25.00
	American News Co.	Miscellaneous supplies.....	57.07
	Stoll & Thayer Co.	Rubber type.....	30.00
	W. H. Bond	Repairing water pipes.....	12.00

## 406 EXPENDITURES IN DEPARTMENT OF AGRICULTURE.

Expenditures of the Department of Agriculture for fiscal year ending June 30, 1904—Cont'd.

## WEATHER BUREAU, GENERAL EXPENSES—Continued.

Date.	Name.	Nature of payment.	Total.
1904.			
Apr. 8	Delano & Moore.....	Cameras, etc.....	\$157.39
	O. I. Mairs.....	Office rent.....	90.00
	J. B. Smith.....	do.....	75.00
	W. H. Dann.....	do.....	72.00
	Bell Telephone Co. of Buffalo.....	Telephone services.....	15.00
	Rocky Mountain Bell Telephone Co.....	do.....	9.00
	Southern States Telephone Co.....	do.....	9.50
	Atlantic Coast Line R. R. Co.....	Passenger transportation.....	10.10
	Portland and Rumford Falls Rwy.....	Freight charges.....	1.05
	Detroit and Mackinac Rwy. Co.....	do.....	9.33
	Southern Rwy. Co.....	do.....	3.26
	Town of New Shoreham.....	do.....	2.40
	Louisville and Nashville R. R. Co.....	do.....	2.91
	Chicago, St. Paul, Minneapolis and Omaha Rwy. Co.....	do.....	1.71
	Chicago, Milwaukee and St. Paul Rwy. Co.....	do.....	12.92
	C. H. Mallory & Co.....	do.....	10.64
	B. L. Waldron.....	Traveling expenses.....	7.15
	W. W. Carlisle.....	do.....	14.25
	L. C. Fisher.....	do.....	29.85
	J. A. Balster.....	Shoeing horses, etc.....	6.60
	W. T. Blythe.....	Express charges.....	10.46
	W. L. Day.....	Drayage, etc.....	1.22
	C. C. Garrett.....	Washing towels.....	3.00
	J. H. Smith.....	Station expenses.....	7.75
	M. A. Butler.....	Telephone services.....	1.40
	A. W. Kenzie.....	Office rent.....	75.00
	Chicago Auditorium Association.....	do.....	437.50
	American Surety Co. of New York.....	do.....	875.00
	T. M. Jeffris & Co.....	do.....	125.00
	Michigan Trust Co. Building.....	do.....	350.00
	A. L. Cook.....	do.....	90.00
	Yale Hicks, agent.....	do.....	120.00
	Bank of Wytheville, Va.....	do.....	100.00
	Wytheville Telephone Co.....	Telephone services.....	3.75
	Independent Telephone Co.....	do.....	7.00
	The Keystone Telephone Co. of Philadelphia.....	do.....	20.00
	The Bell Telephone Co. of Philadelphia.....	do.....	17.25
	New York Telephone Co.....	do.....	60.00
	Central Union Telephone Co.....	do.....	18.00
	New Telephone Co.....	do.....	10.00
	The Great Western Publishing Co.....	Printing annual summary.....	68.00
	Indianapolis Light and Power Co.....	Electric current.....	18.00
	Minneapolis, St. Paul and Sault Ste. Marie Rwy. Co.....	Telegraph services.....	9.66
	Southern Bell Telephone and Telegraph Co.....	do.....	7.50
	Northern Electrical Co.....	Drop lights.....	8.60
	Barnhart Bros. & Spindler.....	Printing supplies.....	5.71
	Raymond Electrical Co.....	Electric motor.....	2.00
	The Consumers Co.....	Ice.....	5.00
	H. M. Caswell.....	Installing electric light.....	1.50
	Bendernagel & Co.....	Recasting rollers.....	4.00
	W. H. Hoskins Co.....	Binding pads.....	5.00
	Southern Bell Telephone and Telegraph Co.....	Telephone services.....	12.00
	W. S. Rowe.....	do.....	3.00
	The Southwestern Telegraph and Telephone Co.....	do.....	15.00
	The Colorado Telephone Co.....	do.....	12.00
	Kalispell Water and Electric Co.....	do.....	12.00
	Mississippi Valley Telephone Co.....	do.....	6.00
	Pacific States Telephone and Telegraph Co.....	do.....	9.00
	Rocky Mountain Bell Telephone Co.....	do.....	15.00
	Southern Bell Telephone and Telegraph Co.....	do.....	3.00
	Larned Telephone Co.....	do.....	3.00
	Idaho Independent Telephone Co.....	do.....	12.00
	Rocky Mountain Bell Telephone Co.....	do.....	8.25
	The Inland Telephone and Telegraph Co.....	do.....	9.00
	Wichita Independent Telephone Co.....	do.....	7.50
	The Toledo Home Telephone Co.....	do.....	16.00
	Snickersville Telephone Co.....	do.....	7.17
	Sunset Telephone and Telegraph Co.....	do.....	6.00
	Consolidated Telephone Co.....	do.....	5.00
	The Southwestern Telegraph and Telephone Co.....	do.....	7.50
	The San Antonio Telephone Co.....	do.....	7.50
	San Antonio Gas and Electric Co.....	Electric light.....	3.12
	F. L. Knight.....	Washing towels.....	1.57
	A. Klein.....	do.....	2.00
	Joe Campbell.....	do.....	2.25

Expenditures of the Department of Agriculture for fiscal year ending June 30, 1904—Cont'd.

## WEATHER BUREAU, GENERAL EXPENSES—Continued.

Date.	Name.	Nature of payment.	Total.
1904.			
Apr. 8	I. W. Appleton.....	Repairing telegraph line.....	\$14.00
	Lone Star Ice Co.....	Ice.....	4.55
	G. Rivenburg.....	do.....	2.73
	P. A. F. Walter, postmaster.....	Rent of post-office box.....	1.50
	E. L. Tyrrell.....	Repairing clock.....	2.00
	Babbitt Bros.....	Ink and muclage.....	3.00
	C. E. Lewis.....	Repairing instrument shelter.....	3.00
	J. S. Craig.....	do.....	1.00
	L. M. Arey.....	Repairing clock.....	3.00
	W. M. Small.....	Parts for tower.....	7.10
	Standard Oil Co.....	Oil.....	4.25
	W. A. Coble.....	Surveying levels.....	10.00
	Aexander Yost Co.....	Wireless telegraph supplies.....	6.35
	C. S. Stephens.....	Taking observations.....	3.75
	St. Louis Printers' Supply Co.....	Printing materials.....	105.31
	Hoke Engraving Plate Co.....	Recoating base plates.....	121.26
	do.....	do.....	212.50
	Washington Southern Rwy. Co.....	Freight charges.....	.93
	do.....	do.....	1.38
	do.....	do.....	1.11
	do.....	do.....	1.13
	Michigan Central R. R. Co.....	do.....	1.76
	do.....	do.....	2.93
	Wabash R. R. Co.....	do.....	3.89
	Baltimore and Ohio R. R. Co.....	do.....	6.34
	Texas-Mexican Rwy. Co.....	do.....	3.03
	Maine Central R. R. Co.....	do.....	.30
	Baltimore and Ohio Southwestern R. R. Co.....	do.....	3.55
	Galveston, Harrisburg and San Antonio Rwy. Co.....	do.....	1.90
	Chesapeake and Ohio Rwy. Co.....	do.....	1.51
	Town of New Shoreham.....	do.....	2.82
	Grand Rapids and Indiana Rwy. Co.....	do.....	1.17
	O'Callaghan, Nelson & Co.....	do.....	.75
	Narragansett Pier R. R. Co.....	do.....	2.47
	Missouri Pacific Rwy. Co.....	do.....	.24
	Colorado and Southern Rwy. Co.....	do.....	1.95
	New York, Philadelphia and Norfolk R. R. Co.....	do.....	.85
	Lehigh Valley R. R. Co.....	do.....	22.98
	Steamer W. G. Butman.....	do.....	5.00
	W. R. Morton.....	Drayage.....	.21
	Estate of Edward Hayden.....	do.....	.85
	W. S. Belden.....	Traveling expenses.....	7.75
	Estate of John C. Parker.....	Paper.....	1,050.00
	The Guarantee Loan and Trust Co.....	Office rent.....	180.00
	Albert Marty.....	do.....	165.00
	O. I. Taylor.....	Rent of roof.....	6.25
	E. S. Hughes.....	Office rent.....	95.45
	B. S. Williams.....	do.....	73.00
	D. Horton.....	do.....	120.00
	City of Palestine, Tex.....	do.....	78.50
	Emily Culbertson.....	do.....	127.50
	The Chemical Building Co.....	do.....	450.00
	Margaret Parmentier.....	do.....	74.25
	Asheville Library Association.....	do.....	75.00
	Bluff City Telephone Co.....	Telephone services.....	15.00
	La Crosse Telephone Co.....	do.....	7.50
	Central Union Telephone Co.....	do.....	25.50
	Wisconsin Telephone Co.....	do.....	3.75
	do.....	do.....	15.00
	Cumberland Telephone and Telegraph Co.....	do.....	16.50
	Southern Bell Telephone and Telegraph Co.....	do.....	9.00
	Sunset Telephone and Telegraph Co.....	do.....	18.00
	New England Telephone and Telegraph Co.....	do.....	8.40
	do.....	do.....	8.25
	Cumberland Telephone and Telegraph Co.....	do.....	7.20
	Charleston Consolidated Railway, Gas, and Electric Co.....	Electric light.....	8.75
	do.....	do.....	8.75
	do.....	do.....	9.00
	W. V. Hughes.....	do.....	8.75
	Georgetown Electric Co.....	do.....	8.75
	St. Louis Toilet Supply Co.....	Towel supply.....	4.50
	J. H. Groot.....	do.....	3.00
	L. E. Wilson.....	Washing towels.....	1.50
	Galveston Gas Co.....	Gas.....	10.80
	T. C. Spain.....	Oil.....	.60
	Wm. H. Wranek.....	Mucilage.....	3.00
	F. S. Johnson.....	Benzine.....	.30
	The Federal Manufacturing Co.....	Repairs for printing press.....	64.25



Expenditures of the Department of Agriculture for fiscal year ending June 30, 1904—Cont'd.

## WEATHER BUREAU, GENERAL EXPENSES—Continued.

Date.	Name.	Nature of payment.	Total.
1904.			
Apr. 8	Alabama, Mississippi and Tennessee Telephone Co.	Telegraph services	\$6.75
	W. A. Mitchell	Drayage	2.15
	H. C. Howe	Repairing clock	2.25
	Parkersburg, substations	Pay roll	84.75
	Macon, substations	do	66.00
	A. B. Wallaber	Traveling expenses	44.45
	A. E. Hackett	do	24.90
	L. M. Farr	Station expenses	181.02
	E. H. Emery	do	9.10
	F. H. Clarke	Drayage	8.90
	E. H. Emery	Station expenses	33.45
	Pacific Club	Office rent	65.75
	W. Pollman	do	112.50
	Indianapolis Gas Co.	do	256.25
15	A. G. McAdie	Traveling expenses	3.50
	T. F. Townsend	do	11.50
	Wilmington substations	Pay roll	72.00
	E. A. Beals	Station expenses	3.35
	W. G. Burns	Drayage, etc	12.95
	G. M. Chappel	do	2.10
	W. S. Palmer	Station expenses	7.74
	L. H. Murdoch	Drayage, etc	26.80
	J. W. Byram	Telephone rent and repairing clock	6.50
	J. P. Bolton	Telephone services and drayage	16.00
	L. N. Jesunofsky	Drayage	2.00
	Southern Bell Telephone and Telegraph Co.	Telephone services	24.00
	The Pennsylvania Telephone Co.	do	11.25
	Consolidated Telephone Companies of Pennsylvania.	do	9.00
	Fayette Home Telephone Co.	do	4.50
	East Tennessee Telephone Co.	do	9.00
	The Cleveland Telephone Co.	do	33.00
	New England Telephone and Telegraph Co.	do	14.25
	Edison Sault Electric Co.	Electric light	16.25
	Agricultural and Mechanical College of Kentucky.	do	3.00
	Society for Savings	Office rent	285.00
	J. L. Connell	do	118.75
	Muckerman Ice and Coal Co.	Ice	3.90
	Chicago and Northwestern Rwy. Co.	Passenger transportation	44.70
	Crucible Steel Co. of America	Drill rods	6.44
	H. M. Caswell	Lamps and installing lights in cellar	13.00
	Illinois District Telegraph Co.	Delivering bulletins	15.00
	W. L. Moore	Traveling expenses	3.80
	S. S. Bassler	Station expenses	4.75
	M. A. Webster	Services	17.50
	J. E. Gathfield	do	60.00
	C. W. Schmid	do	6.25
	S. W. Lightner	do	30.00
	New York substations	Pay roll	45.00
	Norfolk substations	do	130.00
	Philadelphia substations	do	69.00
	E. B. Calvert	Traveling expenses	3.80
	C. A. Hyle	do	10.85
	R. M. Geddings	Drayage and repairing typewriter	1.60
	F. W. Conrad	Ink, mucilage, etc	3.00
	P. Connor	Street-car fare	9.75
	R. W. Clement	Services	10.10
	W. Ellis	do	9.00
	W. B. Clay	Gas generators	469.00
	The Union Ice Co.	Ice	9.10
	Asheville Telephone and Telegraph Co.	Telephone services	7.33
	Sunset Telephone and Telegraph Co.	do	4.75
	J. E. Dooly	Office rent	150.00
	The Hayden Co.	do	300.00
	J. K. Porter	do	150.00
	Chamber of Commerce Building Co.	do	93.21
	Board of County Commissioners, Humboldt County, Nev.	do	67.00
	Los Angeles Trust Co.	do	195.00
	K. P. Coke	do	60.00
	Empire Building Trust	do	279.00
	C. J. Buell	do	94.50
	J. L. Keating	do	96.00
	Improvement Loan and Trust Co.	do	206.25
	W. Talbott	do	120.00

Expenditures of the Department of Agriculture for fiscal year ending June 30, 1904—Cont'd.

## WEATHER BUREAU, GENERAL EXPENSES—Continued.

Date.	Name.	Nature of payment.	Total.
1904.			
Apr. 15	A. B. Smith	Office rent	\$85.35
	The Northwest Telephone Exchange Co.	Telephone services	21.00
	Columbus Citizens' Telephone Co	do	10.00
	Central Union Telephone Co	do	15.00
	Union Trust Co., receiver Michigan Telephone Co.	do	28.50
	Citizens' Telephone Co. of Muskegon	do	6.00
	Nantucket Gas and Electric Co	Electric light	7.20
	Cape May Light and Power Co	do	4.59
	People's Gaslight and Coke Co	Gas	13.00
	A. A. Finck	Printing climate and crop reports	6.00
	W. B. Lount	Ice	4.55
	Johnson & Johnson	Wood	4.00
	H. W. Gross	Nozzle	1.00
	Estate of John C. Parker	Paper	68.07
	W. H. Wilson	Coal	96.23
	C. D. Page	Drayage	2.75
	Duluth Van and Storage Co	do	7.75
	H. B. Hersey	Traveling expenses	27.25
	D. Cuthbertson	Station expenses	10.80
	E. C. Vose	do	10.78
	J. E. Marbury	Drayage, etc	4.60
	J. W. Smith	Station expenses	8.95
	W. S. Belden	do	8.20
	J. W. Bauer	do	5.35
	A. E. Hackett	Drayage, etc	5.38
	J. N. Ryker	Electric light	20.32
	Estate of J. G. Hatch	Office rent	64.75
	Nebraska Telephone Co	Telephone services	21.00
	The Central District and Printing Telephone Co.	do	35.75
	Sunset Telephone and Telegraph Co	do	15.00
	Citizens' Telephone Co	do	13.25
	Cumberland Telephone and Telegraph Co	do	21.00
	Louisville Home Telephone Co	do	12.00
	Idaho Independent Telephone Co	do	2.00
	Southern Bell Telephone and Telegraph Co	do	7.50
	do	do	21.50
	Southwestern Telegraph and Telephone Co	do	15.00
	Nebraska Telephone Co	do	15.00
	Rocky Mountain Bell Telephone Co	do	2.60
	Wisconsin Telephone Co	do	31.05
	Hudson River Telephone Co	do	16.50
	Mutual Telephone Co	do	11.25
	Improvement Loan and Trust Co	Electric light	8.75
	E. A. Born	do	27.75
	Annapolis Gas and Electric Light Co	do	9.00
	Mutual Light and Water Co	do	7.20
	The United Electric Light and Power Co	do	9.00
	Max Levy	Electric current	30.00
	Consolidated Gas Co. of New Jersey	do	7.48
	Lincoln Traction Co	do	13.50
	Baumgardt Publishing Co	Printing climate and crop bulletins	13.00
	Statesman Printing Co	do	76.50
	Arizona Publishing Co	do	66.00
	American Linen Supply Co	Towel supply	3.00
	American Toilet Supply Co	do	2.25
	C. A. Johnson	Washing towels	3.00
	Omaha Towel Co	do	3.00
	M. T. Hayden	do	3.00
	Burlington and Missouri River R. R. in Nebraska	Passenger transportation	3.42
	Duluth, South Shore and Atlantic Rwy. Co	do	18.57
	Rising Sun Telegraph Line	Telegraph services	2.80
	Dakota Central Telephone Lines (Incorporated)	do	87.01
	H. Parker Rolfe	Photographs	6.00
	Arnold & Wetherbee	Repairing electric circuit	1.60
	W. R. Taylor	Erecting storm-warning tower	97.00
	Berggren Electric Co	Electrical supplies	16.00
	Barnhart Bros. & Spindler	Printing supplies	2.21
	A. G. Burns	Brooms	1.00
	G. E. Grimes	Money orders, etc	1.25
	J. L. Cline	Drayage, etc	2.85
	C. F. von Herrmann	do	9.29
	F. R. Beahan	Repairing span wire	12.50
	L. C. Ballard	Services	4.25
	D. F. Thompson	do	4.25

Expenditures of the Department of Agriculture for fiscal year ending June 30, 1904—Cont'd.

## WEATHER BUREAU, GENERAL EXPENSES—Continued.

Date.	Name.	Nature of payment.	Total.
1904.			
Apr. 15	D. F. Weber.....	Services.....	\$4.25
	N. W. Wagner.....	do.....	21.00
	Chas. Ebbinghausen.....	do.....	4.25
	C. P. Blachly.....	do.....	9.00
	C. P. Disney.....	do.....	7.00
	J. E. Cotter.....	do.....	15.75
	H. D. Pillichody.....	do.....	30.00
	Zenith City Telephone Co.....	Telephone services.....	7.50
	J. E. Garrett.....	Washing towels.....	.75
	C. F. von Herrmann.....	Traveling expenses.....	34.35
	J. M. Kirk.....	do.....	28.05
	J. H. Robinson.....	do.....	23.90
	G. W. O'Brien.....	Office rent.....	18.00
	Northwestern Mutual Life Insurance Co. of Milwaukee.....	do.....	125.00
	D. L., G. C., S. C. Buhne and M. C. Pratt.....	do.....	92.20
	Cleary Bros.....	do.....	135.00
	Wm. Curry's Sons.....	Rent of boathouse.....	24.00
	Southern Bell Telephone and Telegraph Co.....	Telephone services.....	8.25
	Pacific States Telephone and Telegraph Co.....	do.....	4.50
	Sunset Telephone and Telegraph Co.....	do.....	15.00
	New York and Pennsylvania Telephone and Telegraph Co.....	do.....	12.00
	Union Trust Co., receiver Michigan Telephone Co.....	do.....	85.00
	Washington County Telephone Co.....	do.....	6.60
	The Tyrell County Telephone Co.....	do.....	14.40
	Ontario Telephone Co.....	do.....	15.00
	Duluth Telephone Co.....	do.....	15.00
	Cumberland Telephone and Telegraph Co.....	do.....	12.00
	do.....	do.....	5.20
	do.....	do.....	29.85
	The Northwestern Telephone Exchange Co.....	do.....	33.00
	Southwestern Telegraph and Telephone Co.....	do.....	18.00
	Pacific States Telephone and Telegraph Co.....	do.....	7.50
	Cumberland Telephone and Telegraph Co.....	do.....	48.00
	Southern Bell Telephone and Telegraph Co.....	do.....	12.00
	do.....	do.....	12.00
	E. V. Hauser.....	do.....	10.50
	Colorado Telephone Co.....	do.....	13.50
	Winton Telegraph Co.....	Telephone services.....	7.40
	International and Great Northern R. R. Co.....	Passenger transportation.....	22.65
	O. C. G. Urban.....	Electric light.....	12.50
	Phoenix Light and Fuel Co.....	do.....	15.27
	Astoria Electric Co.....	do.....	4.00
	Townsend Gas and Electric Co.....	do.....	7.50
	Port Huron Light and Power Co.....	do.....	1.50
	Nashville Railway and Light Co.....	Electric current.....	15.00
	Nashville Gas Co.....	Gas.....	12.70
	Capital Ice Co.....	Ice.....	3.90
	Clem Jaycocks.....	do.....	9.10
	Nashville Laundry Co.....	Towel service.....	1.80
	New York Laundry Works (Incorporated).....	do.....	3.00
	J. Frank Beck.....	Washing towels.....	3.00
	Dora Moyer.....	do.....	6.00
	Gregory Mayer & Thom Co.....	Binding instructions.....	6.00
18	Department of the interior of Porto Rico.....	Office rent.....	150.00
	H. H. Taylor, agent, Mills Building.....	do.....	622.50
	Mill Valley and Mount Tamalpais Scenic Rwy.....	do.....	105.00
	Henry Bolton.....	do.....	52.84
	Joseph Bryan.....	do.....	150.00
	Clinckett & Coates.....	do.....	69.25
	Pacific States Telephone and Telegraph Co.....	Telephone services.....	25.50
	Cumberland Telephone and Telegraph Co.....	do.....	88.70
	Pacific States Telephone and Telegraph Co.....	do.....	39.00
	The Empire State Telephone and Telegraph Co.....	do.....	7.50
	Southwestern Telegraph and Telephone Co.....	do.....	21.00
	East Tennessee Telephone Co.....	do.....	38.60
	Cumberland Telephone and Telegraph Co.....	do.....	10.00
	F. G. Blaisdell.....	do.....	16.50
	Hudson River Telephone Co.....	do.....	.60
	The Atlantic Electric and Power Co.....	Electric light.....	24.40
	New Bedford Gas and Edison Light Co.....	do.....	28.49
	Sociedad Anonima Luz Electrica.....	do.....	21.60
	Asheville Electric Co.....	do.....	3.95
	Marblehead Municipal Light Department.....	do.....	19.49
	Duluth General Electric Co.....	do.....	21.09
	Iowa Telephone Co.....	Telephone services.....	.40



Expenditures of the Department of Agriculture for fiscal year ending June 30, 1904—Cont'd.

## WEATHER BUREAU, GENERAL EXPENSES—Continued.

Date.	Name.	Nature of payment.	Total.
1904. Apr. 18	A. Lynne Hijos de Perez Moris.....	Printing climate and crop bulletins.	\$78.00
	F. C. Nunemacher.....	Printing annual summary.....	98.00
	The Union Ice Co.....	Ice.....	9.10
	Chicago, St. Paul, Minneapolis and Omaha Rwy. Co.	Passenger transportation.....	13.55
	A. M. Ferguson.....	Boat rent.....	7.50
	O. R. Ball.....	Type.....	2.28
	A. W. Lamm.....	Ink and muelage.....	6.00
	H. J. Ledoux.....	Drinking water.....	3.76
	Gamble & Ludwig.....	Gasoline.....	.75
	Richard A. Shaw.....	Cleaning map.....	15.00
	Charles Carter.....	.....do.....	15.00
	Pacific States Telephone and Telegraph Co.	Rent of underground conduit.....	35.10
	Gregory, Mayer & Thom Co.....	Instruction holders.....	11.00
	George W. Trout.....	Brooms and gasoline.....	1.10
	Robert Little.....	Drayage.....	.50
	H. Mahler's Sons.....	Repairing clock.....	5.00
	H. Brooker & Co.....	Gasoline and oil.....	12.85
	Chapin & Simpson.....	Team hire.....	39.25
	Minneapolis General Electric Co.....	Moving motor.....	2.25
	Texas and New Orleans R. R. Co.....	Freight charges.....	1.64
	Chicago, Burlington and Quincy Rwy. Co.	.....do.....	.40
	Littleford, Alvord & Co.....	Drayage.....	14.83
	M. E. Blystone.....	Station expenses.....	2.96
	T. S. Outram.....	Drayage, etc.....	9.95
	L. M. Pinell.....	Repairs to river gauge, etc.....	4.60
	J. M. Sherier.....	Street-car fare.....	14.50
	J. J. Kellier.....	Drayage.....	1.00
	I. M. Cline.....	Station expenses.....	2.13
	A. McC. Ashley.....	Drayage, etc.....	7.00
	F. Newman.....	Repairing clock.....	1.00
	R. G. Allen.....	Drayage, etc.....	9.60
	S. W. Glenn.....	Station expenses.....	2.14
	F. C. Hiehl.....	Services.....	9.00
	C. T. Dagwell.....	.....do.....	45.00
	Atlanta, substations.....	Pay roll.....	94.00
	Augusta, substations.....	.....do.....	57.00
	Boston, substations.....	.....do.....	303.25
	Cairo, substations.....	.....do.....	160.00
	Charleston, substations.....	.....do.....	83.50
	Harrisburg, substations.....	.....do.....	181.00
	Louisville, substations.....	.....do.....	66.00
	New Orleans, substations.....	.....do.....	147.00
	Portland, Oreg., substations.....	.....do.....	150.00
	.....do.....	.....do.....	100.25
	Vicksburg, substations.....	.....do.....	93.00
	Iowa Telephone Co.....	Telephone services.....	15.00
	Southern Bell Telephone and Telegraph Co.	.....do.....	12.00
	Central New York Telephone and Telegraph Co.	.....do.....	20.00
	Missouri and Kansas Telephone Co.....	.....do.....	6.00
	R. L. Lewis.....	.....do.....	24.00
	East Tennessee Telephone Co.....	.....do.....	9.00
	New York and Pennsylvania Telephone and Telegraph Co.	.....do.....	7.50
	The Diamond State Telephone Co.....	.....do.....	6.25
	Southern Bell Telephone and Telegraph Co.	.....do.....	12.00
	People's Telephone and Telegraph Co.....	.....do.....	7.50
	Consumers Ice Co.....	Ice.....	3.90
	Baltimore Towel Supply Co.....	Washing towels.....	2.25
	A. Midgett.....	Services and horse hire.....	2.50
	Chemical Building Co.....	Constructing walk.....	34.00
	Board of Public Works.....	Water supply.....	3.50
	First National Bank, Portland, Me.....	Office rent.....	126.00
	Sunset Telephone and Telegraph Co.....	Telephone services.....	6.00
	York State Telephone Co.....	.....do.....	7.50
	The Bell Telephone Co. of Missouri.....	.....do.....	34.00
	Palestine Telephone Co.....	.....do.....	9.00
	The Central Union Telephone Co.....	.....do.....	10.50
	Kinloch Telephone Co.....	.....do.....	15.00
	The City and Suburban Telegraph Association.	.....do.....	21.00
	Union Trust Co., Detroit.....	.....do.....	6.00
	Cumberland Telephone and Telegraph Co.....	.....do.....	19.50
	East Tennessee Telephone Co.....	.....do.....	12.00
	Black Hills Telegraph and Telephone Co.....	.....do.....	21.00
	Southern Bell Telephone and Telegraph Co.	.....do.....	15.00
	The Ohio River Telephone Co.....	.....do.....	16.00

Expenditures of the Department of Agriculture for fiscal year ending June 30, 1904—Cont'd.

## WEATHER BUREAU, GENERAL EXPENSES—Continued.

Date.	Name.	Nature of payment.	Total.
1904			
Apr. 18	E. S. Allen.....	Telegraph services.....	\$7.50
	Pennsylvania Telephone Co.....	do.....	1.34
	New England Telephone and Telegraph Co.....	do.....	14.25
	Missouri and Kansas Telephone Co.....	do.....	30.00
	Home Telephone Co.....	do.....	7.50
	Corvallis and Eastern R. R. Co.....	Telegraph services.....	2.70
	The Direct West India Cable Co.....	do.....	150.00
	Marthas Vineyard Telegraph Co.....	do.....	46.70
	Postal Telegraph Cable Co.....	do.....	733.01
	Green Bay Light and Power Co.....	Electric light.....	6.25
	The Culver Construction Co.....	do.....	21.75
	Fall River Electric Light Co.....	do.....	12.64
	Minneapolis General Electric Light Co.....	Electric current.....	15.00
	Standard Gas and Electric Co.....	Gas.....	10.80
	New Orleans Lighting Co., lessee.....	do.....	13.00
	Buffalo Gas Co.....	do.....	4.70
	Phillips, Smith & Van Orden.....	Printing climate and crop bulletins.....	45.00
	Naegle & Co.....	Printing snow bulletins.....	22.50
	Fowler Manufacturing Co. (Limited).....	Towel service.....	3.00
	Munger's Laundry Co.....	do.....	6.00
	Rose G. Thomas.....	Washing towels.....	3.00
	C. D. Cass.....	do.....	1.00
	D. W. King.....	do.....	2.00
	Chicago Great Western Rwy. Co.....	Passenger transportation.....	6.65
	Choctaw, Oklahoma and Gulf R. R. Co.....	do.....	76.71
	The Atchison, Topeka and Santa Fe Rwy. Co. (Coast Lines).....	do.....	31.40
	Morgan's Louisiana and Texas R. R. and Steamship Co.....	do.....	12.30
	City Delivery Co.....	Ice.....	4.55
	A. O. Fischer.....	Team hire.....	2.00
21	W. H. H. Smith.....	do.....	6.00
	Neil Ferguson.....	Drayage.....	1.50
	E. W. Turner.....	Cleaning clock.....	1.50
	P. H. Brader.....	Iron pump.....	12.00
	H. A. Hart.....	Binding maps.....	4.00
	O. Rice & Co.....	Repairing typewriter.....	15.00
	Century Electric Co.....	Acid.....	3.00
	Julien P. Friez.....	Repairing anemometers.....	270.00
	G. C. Harris.....	Ink and mucilage.....	1.25
	H. C. Hansen.....	Dies and logotypes.....	86.30
	Beardsley & Finney.....	Ink, mucilage, and broom.....	3.50
	Phoenix Light and Fuel Co.....	Lamps.....	1.25
	American Writing Machine Co.....	Repairing typewriter.....	13.50
	Duluth Hardware Co.....	Ladder.....	4.50
	F. W. Read & Co. (Incorporated).....	Cards and wrappers.....	29.00
	J. M. Murphy & Co.....	Moving printing press.....	19.50
	M. L. Willis.....	Drinking water.....	4.50
	The General Cartage and Storage Co.....	Drayage.....	4.20
	H. R. Rust.....	Packing box.....	1.10
	The Pelouze Paper and Type Co.....	Type.....	4.70
	Peter Gray & Sons.....	Repairs to lanterns.....	5.00
	A. M. D. Holloway.....	Erecting tower.....	75.00
	Zenith City Telephone Co.....	Relocating telephone.....	3.85
	George Meier Co.....	Gum arabic.....	3.20
	O. R. Ball.....	Printing supplies.....	42.60
	Queen & Co. (Incorporated).....	Alcohol.....	5.00
	C. E. Johnson.....	Ferriage.....	3.00
	M. A. Robinson.....	Subsistence.....	24.50
	S. C. Emery.....	Drayage.....	3.45
	Memphis, substations.....	Pay roll.....	51.00
	Mobile, substations.....	do.....	71.00
	Charleston, substations.....	do.....	30.00
	Pittsburg, substations.....	do.....	523.00
	Richmond, substations.....	do.....	3.00
	Cincinnati, substations.....	do.....	193.25
	Fort Smith, substations.....	do.....	39.00
	Baltimore, substations.....	do.....	90.00
	Savannah, substations.....	do.....	61.00
	Atlanta, substations.....	do.....	36.25
	Galveston, substations.....	do.....	30.00
	Mill Valley and Mount Tamalpais Scenic Rwy	Services.....	15.00
	A. G. Miley.....	do.....	9.50
	J. T. Myers.....	do.....	15.00
	La Crosse, substations.....	Pay roll.....	72.50
	Fraternal Hall Association.....	Office rent.....	105.00
	Union Trust Building Co. (Limited).....	do.....	167.50
	Southern Bell Telephone and Telegraph Co.....	Telephone service.....	12.00

Expenditures of the Department of Agriculture for fiscal year ending June 30, 1904—Cont'd.

## WEATHER BUREAU, GENERAL EXPENSES—Continued.

Date.	Name.	Nature of payment.	Total.
1904.			
Apr. 21	Southern Bell Telephone and Telegraph Co.	Telephone service.....	\$18.00
	Southwestern Telegraph and Telephone Co.	.....do.....	9.00
	The Inland Telephone Co.	.....do.....	10.60
	Cherry County Telephone Co.	.....do.....	7.50
	The Southwestern Telegraph and Telephone Co.	.....do.....	18.00
	Maryland Telephone and Telegraph Co.	.....do.....	18.00
	Rocky Mountain Bell Telephone Co.	.....do.....	15.00
	Chesapeake and Potomac Telephone Co.	.....do.....	31.25
	New England Telephone and Telegraph Co.	.....do.....	29.00
	Chicago Telephone Co.	.....do.....	57.50
	Electric Lighting Co. of Mobile	Electric light.....	3.56
	Daniel Murphy	Printing annual summary.....	30.00
	Consumers ice Co.	Ice.....	4.50
	The Cincinnati, Hamilton and Dayton Rwy. Co.	Passenger transportation.....	19.50
	The Watash Rwy. Co.	.....do.....	54.61
	Nashville, Chattanooga and St. Louis Rwy.	.....do.....	21.05
	Crockett Ross	Cleaning office.....	3.00
	W. H. Rollinson	Grading grounds.....	70.00
	J. F. McLean	Ink.....	2.00
	C. B. Little	Water supply.....	11.00
	A. K. Ogilvie	Repairing river gauge.....	35.00
	W. A. Legeman	Binding records.....	2.50
	H. N. Leighton Co.	Moving materials.....	6.77
	The Atchison, Topeka and Santa Fe Rwy. Co.	Freight charges.....	89.59
	Chattanooga substations	Pay-roll.....	139.90
	Galveston, substations	.....do.....	253.00
	Knoxville, substations	.....do.....	190.25
	Montgomery, substations	.....do.....	128.75
	Raleigh, substations	.....do.....	120.00
	Shreveport, substations	.....do.....	29.21
	Sioux City, substations	.....do.....	32.83
	Twin City Telephone Co.	Telephone services.....	12.00
	W. E. Lawrence	Cleaning carpets.....	6.50
	C. D. Clack	Drayage.....	1.00
	New Orleans, substations	Pay-roll.....	112.50
	Portland, substations	.....do.....	90.00
	John Hyslop	Services.....	30.00
	H. Hamilton	.....do.....	30.00
	O. L. Fassig	Street car fare.....	3.75
	F. P. Chaffee	Drayage.....	2.15
	J. P. Slaughter	Drayage, etc.....	4.15
	C. W. Ling	Post-office box rent.....	1.50
	James Kenealy	Station expenses.....	1.65
	H. Legler	Washing towels.....	1.05
	H. O. Green	Traveling expenses.....	14.20
	John W. Carr	.....do.....	4.50
	R. F. Young	.....do.....	33.00
	F. H. Brandenburg	Station expenses.....	3.95
	P. McDonough	.....do.....	4.10
	E. P. Jones	Office rent.....	25.00
	A. H. Thiessen	Traveling expenses.....	20.50
23	Delaware and Atlantic Telegraph and Telephone Co.	Telephone services.....	12.00
	Dubuque Telephone Co.	.....do.....	6.00
	Capital Telephone and Telegraph Co.	.....do.....	4.50
	Amarillo Telephone Co.	.....do.....	9.00
	Rocky Mountain Bell Telephone Co.	.....do.....	10.50
	Iowa Telephone Co.	.....do.....	30.00
	Northwestern Telephone Exchange Co.	.....do.....	6.00
	Home Telephone Co.	.....do.....	10.40
	Moncure and Pittsboro Telegraph Co.	Telegraph services.....	6.10
	Postal Telegraph-Cable Co. of Texas	.....do.....	3.30
	The Great Northwestern Telegraph Co. of Canada.	.....do.....	106.00
	Choctaw, Oklahoma and Gulf R. R. Co.	.....do.....	30.80
	Enterprise Telegraph Co.	.....do.....	15.20
	First National Bank, Moorehead, Minn.	Office rent.....	66.31
	The Citizen's Gas and Electric Co.	Electric light.....	3.00
	New Orleans and Carrollton R. R. Light and Power Co.	.....do.....	9.25
	The Raleigh Electric Co.	Electric current.....	5.21
	The Consolidated Gas Co.	Gas.....	4.44
	H. A. Poole	Horse hire.....	2.50
	Julien P. Friez	Parts for sunshine recorders.....	45.00
	The Pacific Transfer Co.	Drayage.....	25.26
	W. J. Kemp	Repairing clock.....	1.50



Expenditures of the Department of Agriculture for fiscal year ending June 30, 1904—Cont'd.

## WEATHER BUREAU, GENERAL EXPENSES—Continued.

Date.	Name.	Nature of payment.	Total.
1904.			
Apr. 23	Norwich University	Electric light and steam heat	\$21.50
	Northwestern Fuel Co.	Coal	77.50
	Punnett Bros.	River maps	5.00
	T. J. Thorp & Co.	Repairing electric motor	2.50
	Basche-Sage Hardware Co.	Glass	20.00
	Washington Irving	Horse hire	1.50
	J. I. Holcomb Manufacturing Co.	Floor sweeps	18.50
	Abraham & Straus	Table and chairs	43.50
	Underwood Typewriter Co.	Typewriter	85.00
	Remington Typewriter Co.	Typewriter, etc.	110.00
	Geo. O. May	Changing electric wires	10.00
	Underwood Typewriter Co.	Typewriter stand	4.50
	Plint & Walling Manufacturing Co.	Storm warning towers	247.35
	H. A. Dreer (Incorporated)	Ground bone	3.50
	Addressograph Co.	Logotype	4.93
	Crew & Malone	Services	19.30
	Wm. Johnson	Placing cable	2.00
	Cline Rogers	Repairing typewriter	6.00
	Babbitt Bros.	Oil	12.00
	The Clark Paint and Oil Co.	Glass	1.98
	J. W. Marshall	Erecting tower	125.00
	Schneider Bros.	Anemometer cups	50.00
	Washington Southern Rwy. Co.	Passenger transportation	5.50
	Louisville and Nashville R. R. Co.	do	57.06
	L. E. Scarr	Washing towels	1.50
	Daniel Murphy	Printing annual summary	17.00
	H. H. McNeil	Printing bulletins	7.50
	Jeff Davis	Repairing telegraph line	2.00
	Boston, substations	Pay roll	791.25
	Jacksonville, substations	do	75.00
	Philadelphia, substations	do	53.84
	St. Louis, substations	do	149.40
	Wm. Harris	Services	12.00
	J. F. Newsom	Drayage	1.75
	F. J. Walz	Traveling expenses	2.95
	J. H. Scarr	do	5.50
	G. B. Wurtz	Station expenses	3.15
	E. D. Osborn	Office rent	125.00
	Pacific States Telephone and Telegraph Co.	Telephone services	18.00
	The Topeka Independent Telephone Co.	do	9.00
	Rocky Mountain Bell Telephone Co.	do	11.60
	do	do	44.60
	Ocean Tow Boat Line	Telegraph services	10.00
	Southern Bell Telephone and Telegraph Co.	Telephone services	8.10
	The Seattle Electric Co.	Electric light	14.43
	Houghton County Electric Light Co.	do	9.79
	Rockingham County Light and Power Co.	do	22.10
	Needham Bros.	Washing towels	.87
	M. G. Copeland Co.	Flags	388.00
	Thos. Reedy	Bookcase	18.50
	William Franklin	Erecting tower	48.00
	J. A. Mott	Fertilizer	30.00
	A. Midgett	Wood	6.00
	J. S. Wright	Drayage	1.00
	Addressograph Co.	Addressograph, cabinet, etc.	49.60
	Gether, Drebert & Perkins Co.	Printing supplies	16.21
	Coston Signal Co. (Incorporated)	Answering signals	33.00
	Wm. J. Crawford	Drayage	.90
	Geo. Hass Hagen	Station expenses	2.25
	Union Trust Co., Detroit	Telephone services	12.00
	Narragansett Pier Electric Light and Power Co.	Electric light	18.08
	Seaboard Air Line Rwy.	Passenger transportation	4.35
	Edwin Hayte	Repairing telegraph line	2.00
	A. Midgett	Team hire	2.50
	Dell O. Rodgers & Co.	Repairing typewriter	11.90
	Edward Killorin	Erecting instrument shelter	15.00
	Pennsylvania Rwy. Co.	Freight charges	21.25
	Southern Bell Telephone and Telegraph Co.	Telephone services	15.00
	Central District and Printing Telegraph Co.	Telegraph services	10.45
	do	do	39.60
	The Pennsylvania R. R. Co.	Passenger transportation	16.60
	The Cleveland, Cincinnati, Chicago and St. Louis R. R. Co.	do	39.71
	Duluth, South Shore and Atlantic Rwy. Co.	do	14.62
	Inland Type Foundry	Type	5.80
	Charles Eneu Johnson & Co.	Ink	540.00
	Mineralized Rubber Co.	Rubber hose	9.25
	J. H. Bunnel & Co.	Battery cells	4.80

Expenditures of the Department of Agriculture for fiscal year ending June 30, 1904—Cont'd.

## WEATHER BUREAU, GENERAL EXPENSES—Continued.

Date.	Name.	Nature of payment.	Total.
1904.			
Apr. 23	Gregory, Mayer & Thom Co.	Spring binders	\$18. 00
	Queen & Co. (Incorporated)	Thermometers	60. 00
30	James B Lambie Co. (Incorporated)	Cotton waste	77. 66
	do.	Brass, emery paper, etc	21. 60
	do.	Excelsior	4. 85
	Francis B. Miller	Turpentine	30. 25
	Woodward & Lothrop	Dusters, furniture, etc.	203. 81
	Forsberg & Murray	Repairing engine	4. 00
	Lamb & Tilden	Rubber stamps	1. 77
	do.	do.	3. 15
	do.	do.	5. 27
	do.	do.	2. 29
	Lutz & Co.	Saddle blankets, etc	12. 25
	Swayze, Bailey & Co.	Pencils	7. 50
	Estate of John C. Parker	Eyelets	3. 00
	American Writing Machine Co.	Repairing typewriter	19. 90
	do.	do.	19. 80
	do.	do.	20. 30
	do.	Typewriter	69. 75
	do.	Typewriters	144. 50
	The Smith Premier Typewriter Co.	Typewriter	96. 75
	do.	do.	96. 75
	W. B. Moses & Sons	Wardrobe	9. 75
	do.	Bookcase and cabinet	66. 50
	do.	Wardrobe and table	32. 75
	Maurice Joyce Engraving Co.	Printing supplies	35. 10
	do.	Electrotype plates	5. 20
	M. Du Perow	Fuse plugs	4. 25
	National Printers' Supply Co.	Benzine	4. 02
	Delano & Moore	Rubber tray, etc.	3. 88
	Edward Mullin	Rags	14. 00
	American Type Founders Co.	Brackets	1. 84
	Wm. H. Dyer	Sawdust	7. 75
	J. C. Entwistle	Engraving rain chart	10. 00
	Peter Spires	Installing electric lanterns	16. 50
	J. E. Turton	Instrument shelters, etc.	14. 58
	R. P. Andrews & Co. (Incorporated)	Paper	54. 08
	R. P. Clarke Co.	Towels	70. 20
	A. Zappone	Traveling expenses	7. 30
	do.	do.	51. 60
	C. E. Ashcraft, jr.	do.	4. 30
	H. E. Williams	do.	3. 90
	M. E. Blystone	do.	19. 20
	C. M. Strong	do.	14. 00
	H. C. Hunter	do.	1. 95
	B. L. Waldron	Station expenses	1. 95
	P. De Graw	Subsistence and station expenses	84. 10
	J. J. O'Donnell	Station expenses	9. 24
	W. M. Wilson	Drayage, etc.	11. 80
	Little Rock, substations	Pay roll	60. 00
	New Orleans, substations	do.	6. 50
	Augusta, substations	do.	4. 50
	C. Sevilla	Cleaning office	5. 00
	C. P. Searle	Services	30. 00
	Jacob Crocker	Office rent	75. 00
	Charles Baldwin	do.	112. 50
	Dyal Upchurch Investment Co.	do.	187. 50
	Jacksonville Telephone Co.	Telephone services	7. 50
	Northwestern Telephone Exchange Co.	do.	9. 00
	Rocky Mountain Bell Telephone Co.	do.	31. 90
	Columbia Telephone Co.	do.	6. 00
	Cumberland Telephone and Telegraph Co.	do.	168. 60
	Georgia Telephone and Telegraph Co.	do.	15. 00
	The Cincinnati and Suburban Bell Telephone Co.	do.	1. 76
	Jacksonville and St. Johns Bar Telegraph line	Telegraph services	20. 25
	Pacific States Telephone and Telegraph Co.	do.	17. 60
	A. G. Gereke	Printing snowfall bulletins	18. 00
	San Antonio and Aransas Pass Rwy. Co.	Passenger transportation	12. 60
	Norfolk and Washington, D. C., Steamboat Co.	do.	3. 00
	The H. & W. B. Drew Co.	Printing climate and crop bulletin	63. 05
	Gloucester Electric Co.	Electric light	20. 94
	Jacksonville Towel Co.	Towel service	3. 00
	A. Midgett	Services and team hire	2. 50
	Lexington Carpet Cleaning Works	Cleaning carpet	5. 00
	Light and Power Commission	Electric light and electric appliances	23. 66
	C. E. Johnson & Co.	Ink	100. 75

Expenditures of the Department of Agriculture for fiscal year ending June 30, 1904—Cont'd.

## WEATHER BUREAU, GENERAL EXPENSES—Continued.

Date.	Name.	Nature of payment.	Total.
1904.			
Apr. 30	W. L. Buckner.....	Construction river gauge.....	\$11.50
	Whitelaw & Peasley.....	Photographic supplies.....	2.76
	W. L. Buckner.....	Constructing river gauge.....	8.50
	B. W. Strong.....	Sectional bookcase.....	38.65
	W. J. Brand.....	Erecting wind vane.....	8.00
	The Erner Electric Co.....	Wire.....	2.50
	Julien P. Friez.....	Brass sockets.....	45.00
	G. H. Fuller Desk Co.....	Sectional bookcase.....	24.55
	L. S. Woodhouse.....	Horse hire.....	4.00
	Century Electric Co.....	Knife switches.....	2.90
	H. B. Hosmer.....	Crown plate.....	3.35
	Voelkner & Reinke Manufacturing Co.....	Galley.....	15.00
	Whitelaw & Peasley.....	Photographic supplies.....	3.23
	J. M. Klein Electrical Works.....	Dry batteries.....	3.85
	W. H. Minter.....	Setting out trees.....	1.60
	Addressograph Co.....	Addressograph, etc.....	44.85
	G. W. Felger.....	Traveling expenses.....	19.25
	J. Warren Smith.....	Telegraphic reports, drayage, etc.....	23.00
	E. C. Thompson.....	Station expenses.....	17.67
	Estate of D. Williams, deceased.....	Services.....	8.21
	B. F. Larcombe et al.....	Pay roll, printing office.....	2,458.32
May 5	E. G. Colvin.....	Traveling expenses.....	2.35
	G. H. Willson.....	do.....	6.50
	Willis L. Moore.....	do.....	3.80
	A. H. Thiessen.....	Hire of horse and wagon.....	3.50
	Albany, substations.....	Pay roll.....	179.93
	Northwestern Telephone Exchange Co.....	Telephone services.....	10.50
	Williston Telephone Exchange.....	do.....	6.00
	New England Telephone and Telegraph Co.....	do.....	2.40
	East Tennessee Telephone Co.....	do.....	15.60
	do.....	do.....	15.80
	The International Ocean Telegraph Co.....	Telegraph services.....	203.05
	Cumberland Telephone and Telegraph Co.....	do.....	108.90
	Amarillo Water, Light and Power Co.....	Electric light.....	17.58
	Narragansett Electric Lighting Co.....	do.....	42.72
	Robert Tyler.....	Printing climate and crop bulletin.....	10.00
	Hoke Engraving Plate Co.....	Recoating base plates.....	137.50
	E. V. Roe.....	Team hire.....	2.50
	A. Midgett.....	Repairing telegraph line.....	1.50
	J. H. Hoyt.....	Repairing bookcase.....	2.00
	Julien P. Friez.....	Thermometer supports.....	165.00
	W. I. Dyer.....	Sawdust.....	1.75
	M. B. Wheeler Electric Co.....	Electrical supplies.....	.70
	Justinian Caire Co.....	Wireless-telegraph supplies.....	.30
	Stack Bros.....	Hose and plating same.....	.70
	J. W. Austin.....	Building fence.....	28.50
	O. N. Berry.....	Stamp holder.....	1.00
	Central of Georgia Rwy. Co.....	Repairing river gage.....	5.00
	W. H. Light.....	Hose connections.....	5.00
	American Writing Machine Co.....	Typewriter.....	72.25
	Raymont Gutowski.....	Coal.....	23.67
	Barnhart Bros. & Spindler.....	Repairing printing press.....	5.20
	H. C. Freeman.....	Erecting instrument shelter.....	2.00
	The Phosphor Bronze Smelting Co. (Limited).....	Phosphor-bronze rods.....	4.98
	Whitall, Tatum Co.....	Pill boxes.....	1.38
	C. C. Carter.....	Cleaning weather map.....	4.67
	R. A. Shaw.....	do.....	4.67
	Great Northern Rwy. Co.....	Freight charges.....	25.99
	do.....	do.....	.99
	Burlington Route, Missouri lines.....	do.....	.94
	do.....	do.....	1.40
	West Virginia Central and Pittsburg Rwy. Co.....	do.....	.58
	do.....	do.....	.70
	Southern Rwy. Co.....	do.....	10.83
	Northern Commercial Co.....	do.....	4.83
	New York, New Haven and Hartford R. R. Co.....	do.....	4.10
	Town of New Shoreham.....	do.....	2.99
	Boston and Albany R. R.....	do.....	.94
	The Oregon Short Line R. R. Co.....	do.....	11.11
	Rome, Watertown and Ogdensburg R. R.....	do.....	.85
	Chicago, Burlington and Quincy Rwy. Co.....	do.....	1.20
	John C. Davis.....	do.....	9.82
	Littlefield, Alvord & Co.....	Drayage.....	11.00
	St. Louis Transfer Co.....	do.....	.89
	Wm. J. Crawford.....	do.....	2.70
	W. R. Morton.....	do.....	4.45
	L. H. Murdoch.....	Traveling expenses.....	25.60



Expenditures of the Department of Agriculture for fiscal year ending June 30, 1904—Cont'd.

WEATHER BUREAU, GENERAL EXPENSES—Continued.

Date.	Name.	Nature of payment.	Total.
1904.			
May 5	H. McP. Baldwin.....	Photograph and express charges.	\$3. 90
	A. G. McAdie.....	Express charges.....	5. 45
	M. E. Shelden.....	Office rent.....	93. 75
	J. H. Thiemeyer.....	Boxes, packing.....	123. 25
	The Okonite Co. (Limited).....	Copper wire.....	60. 00
	The Grote Rankin Co.....	Rubber mats.....	5. 00
	H. S. Crocker Co.....	Ink and mucilage.....	3. 00
	F. J. Walz.....	Traveling expenses.....	118. 50
	Willis L. Moore.....	.....do.....	24. 65
11	San Francisco, substations.....	Pay roll.....	65. 25
	Nashville, substations.....	.....do.....	102. 40
	J. E. Harris, jr.....	Services.....	24. 50
	F. X. Martin.....	.....do.....	12. 00
	E. H. Bowie.....	Station expenses.....	1. 75
	Minneapolis, St. Paul and Sault Ste. Marie Rwy. Co.....	Telegraph services.....	10. 96
	The Oregon Railroad and Navigation Co.....	Passenger transportation.....	76. 00
	The Chesapeake and Ohio R. R. Co.....	.....do.....	33. 30
	Pittsburg, Cincinnati, Chicago and St. Louis Rwy. Co.....	.....do.....	14. 30
	M. Du Perow.....	Electric cells.....	358. 00
	P. C. Schaefer.....	Wash sink.....	48. 00
	Underwood Typewriter Co.....	Typewriter.....	87. 50
	C. R. Edmonston.....	Tube for filter.....	12. 00
	Western Union Telegraph Co.....	Telegraph services.....	14, 035. 66
	H. C. Frankenfield.....	Traveling expenses.....	110. 28
	S. W. Glenn.....	.....do.....	30. 01
	E. B. Richards.....	.....do.....	44. 88
	.....do.....	Station expenses.....	19. 24
	O. W. Roberts.....	.....do.....	4. 30
	R. J. Hyatt.....	.....do.....	3. 60
	New York, substations.....	Pay roll.....	45. 00
	C. H. Bridges.....	Traveling expenses.....	14. 20
	Wm. J. Olds.....	.....do.....	23. 50
	C. F. von Herrmann.....	.....do.....	29. 45
	J. M. Watson.....	Station expenses.....	6. 65
	A. B. Wollaber.....	Subsistence.....	25. 00
	J. H. Cooke.....	Installing river gage.....	24. 75
	A. A. Piper.....	Repairing river gage.....	29. 95
	T. A. Stevenson.....	Reeving halyards.....	5. 00
	C. Sanger.....	Constructing flagstaff.....	25. 00
	H. A. Vincent.....	Cleaning clock.....	2. 50
	E. H. Bacon.....	Painting instrument shelter.....	12. 00
	C. M. Hurd.....	Index cards.....	7. 88
	Dunn & Lemmon.....	Printing snowfall bulletins.....	16. 00
	Postal Telegraph Cable Co.....	Telegraph services.....	916. 79
	Western Union Telegraph Co.....	.....do.....	116. 12
	Chas. P. Meekins.....	Ground rent.....	3. 00
	K. Wagner.....	Office rent.....	75. 00
	Tucker Telephone and Telegraph Co.....	Telephone services.....	15. 00
	Union Trust Co., Detroit.....	.....do.....	7. 50
	Cumberland Telephone and Telegraph Co.....	.....do.....	12. 30
	.....do.....	.....do.....	15. 80
	Rising Sun Telegraph Line.....	Telegraph services.....	2. 60
	Postal Telegraph Cable Co. of Texas.....	.....do.....	1. 20
	Atchison, Topeka and Santa Fe Rwy. Co.....	Passenger transportation.....	29. 50
	Minneapolis, St. Paul and Sault Ste. Marie Rwy. Co.....	.....do.....	12. 00
	New York, New Haven and Hartford R. R. Co.....	.....do.....	12. 25
	Phillips, Smith & Van Orden (Incorporated).....	Printing climate and crop reports.....	45. 00
	R. G. Sleater.....	Printing snowfall bulletins.....	24. 00
	J. O. Rodney.....	Cleaning windows, etc.....	10. 00
	J. P. Geary.....	Drayage.....	9. 50
	Eldredge Express and Storage Warehouse Co.....	.....do.....	7. 30
	Louis Hendricks.....	Repairing telegraph line.....	5. 00
	A. Fairservice & Co.....	Nails.....	3. 00
	McGee & Pollard.....	Repairing printing press.....	9. 37
	W. Bement.....	Erecting flagstaff, etc.....	141. 32
	Geo. Innes & Co.....	Carpet.....	14. 34
	D. Daly.....	Recasting rollers.....	2. 70
	J. J. Nolan.....	Cleaning office.....	2. 00
	E. V. Roe.....	Services and team hire.....	2. 50
	Stringfellow Drug Co.....	Oil and replacing door.....	2. 75
	Baker & Co. (Incorporated).....	Wire, etc.....	21. 13
	J. P. Lamey.....	Recasting rollers.....	5. 00
	H. A. Meldrum Co.....	Cleaning carpet, etc.....	27. 81
	R. A. Negus.....	Engine.....	137. 16
	Adkisson Grain and Coal Co.....	Coal.....	8. 50

418 EXPENDITURES IN DEPARTMENT OF AGRICULTURE.

Expenditures of the Department of Agriculture for fiscal year ending June 30, 1904—Cont'd.

WEATHER BUREAU, GENERAL EXPENSES—Continued.

Date.	Name.	Nature of payment.	Total.
1904.			
May 11	John Underwood & Co.....	Carbon paper.....	\$13.50
	Thomas Jermin.....	Repairing telephone line.....	5.00
	J. J. Potter.....	Tackle blocks.....	2.25
	Frank Bossnot.....	Ladder.....	5.00
	J. Walker & Sons.....	Erecting tower.....	75.00
	Phillips, Smith & Van Orden (Incorporated).	Printing flood reports.....	14.50
	Chicago, Rock Island and Pacific Rwy. Co.	Freight charges.....	1.40
	do.....	do.....	1.70
	Missouri, Kansas and Texas Rwy. Co.....	do.....	2.17
	Oregon Short Line R. R. Co.....	do.....	9.65
	Rome, Watertown and Ogdensburg R. R.	do.....	1.90
	Washington Southern Rwy.....	do.....	.90
	Pacific Coast S. S. Co.....	do.....	.26
	Seaboard Air Line Rwy.....	do.....	8.66
	New York, New Haven and Hartford R. R.	do.....	3.30
	Co.....		
	Chicago and Northwestern Rwy. Co.....	do.....	3.37
	Pennsylvania R. R. Co.....	do.....	5.28
	The Oregon Railroad and Navigation Co.....	do.....	1.33
	The San Pedro, Los Angeles and Salt Lake	do.....	18.69
	R. R. Co.....		
	Chicago, Burlington and Quincy Rwy. Co.	do.....	.99
	Delano & Moore.....	Plates and films.....	11.68
	John Moran.....	Charcoal.....	2.00
	Woodward & Lothrop.....	Cambric.....	1.50
	do.....	Bon ami.....	8.10
	Lamb & Tilden.....	Rubber stamps.....	1.49
	M. G. Copeland.....	Flags.....	65.00
	do.....	Answering pennants.....	4.50
	Mackall Bros.....	Soap.....	64.15
	do.....	Acid.....	1.14
	Maurice Joyce Engraving Co.....	Stereotype plates.....	2.80
	do.....	do.....	4.35
	Lutz & Co.....	Putz cream.....	3.00
	Estate of John C. Parker.....	Manifold books.....	65.00
	R. P. Clarke Co.....	Moleskin.....	4.40
	Barber & Ross.....	Tools.....	44.80
	Geo. F. Muth & Co.....	Benzine.....	17.85
	J. B. Lambie Co. (Incorporated).....	Tape line.....	2.50
	Standard Oil Co.....	Oil.....	8.40
	Yates & Co.....	do.....	5.00
	Flint & Walling Manufacturing Co.....	Storm-warning tower.....	68.45
	District of Columbia Paper Manufacturing	Blotting paper.....	148.50
	Co.....		
	John A. Roebbling's Sons' Co.....	Wire.....	18.50
	R. G. Allen.....	Traveling expenses.....	12.26
	F. D. Miracle.....	Office rent.....	147.00
	Northern Pacific Rwy. Co.....	Passenger transportation.....	65.60
	National Electrical Supply Co.....	Wire.....	1.30
17	R. M. Hardinge.....	Traveling expenses.....	16.35
	R. F. Young.....	Station expenses.....	1.50
	M. A. Robinson.....	Subsistence.....	20.00
	W. M. Fulton.....	Drayage and washing towels.....	6.00
	J. H. Scarr.....	Photographic supplies.....	4.40
	Paul De Graw.....	Subsistence and rent of quarters.....	59.50
	Montgomery, substation.....	Pay roll.....	28.00
	New England Telephone and Telegraph Co.	Telephone services.....	2.70
	The Gordon Telephone Co.....	do.....	9.00
	do.....	do.....	3.00
	Corvallis and Eastern R. R. Co.....	Telegraph services.....	2.60
	Direct West India Cable Co. (Limited).....	do.....	150.00
	The Great Northwestern Telegraph Co. of	do.....	110.45
	Canada.....		
	Naegele & Co.....	Printing snow bulletins.....	7.50
	Baumgardt Publishing Co.....	Printing climate and crop bulletins.	13.00
	Mineralized Rubber Co.....	Rubber hose.....	9.25
	Geo. E. Plaster, jr.....	Corn.....	32.50
	The Van Bibber Roller Co.....	Casting rollers.....	4.00
	G. H. Baughman.....	Binding weather maps.....	3.00
	F. K. Wills Construction Co.....	Erecting flagstaff.....	300.00
	Chippewa Electric Co.....	Battery cells.....	1.00
	Woodward & Tiernan Printing Co.....	Chalk.....	1.95
	Addressograph Co.....	Addressograph and cabinet.....	44.85
	W. W. Clucker.....	Reeving halyards.....	7.25
	H. A. Goodwin.....	Repairing river gauge.....	10.00
	The Denver and Rio Grande R. R. Co.....	Freight charges.....	4.90
	do.....	do.....	10.88
	Union Pacific R. R. Co.....	do.....	25.57

Expenditures of the Department of Agriculture for fiscal year ending June 30, 1904—Cont'd.

WEATHER BUREAU, GENERAL EXPENSES—Continued.

Date.	Name.	Nature of payment.	Total.
1904, May 17	Choctaw, Oklahoma and Gulf R. R. Co.....	Freight charges .....	\$1.48
	Galveston, Harrisburg and San Antonio Rwy. Co.....	do.....	1.71
	Pacific Coast Steamship Co.....	do.....	3.95
	G. A. Loveland.....	Traveling expenses.....	32.02
	Pacific States Telephone and Telegraph Co.....	Telegraph services.....	8.10
	Marthas Vineyard Telegraph Co.....	do.....	39.24
	Central District and Printing Telegraph Co.....	do.....	22.40
	Meteorological Council.....	Compilation of telegrams.....	11.07
	L. S. Woodhouse.....	Horse hire.....	2.00
	Thomas Jermin.....	Repairing telephone lines.....	20.00
	N. C. Upp.....	Hoisting cable.....	2.00
	Sunset Photo-Engraving Co.....	Printing flood report.....	23.00
	White & Hannum.....	Cleaning carpet.....	7.50
	The W. M. Pattison Supply Co.....	Iron block.....	2.50
	R. W. Bassett.....	Wood.....	15.00
	F. P. Little Co.....	Installing electric lanterns.....	125.00
	American Type Founders Co.....	Type, etc.....	16.41
	E. J. Hyde.....	Repairing self-register.....	3.00
	Kelly & Co.....	Postal scale.....	2.00
	Peter Holmberg.....	Repairing cesspool.....	35.00
	Illinois Central R. R. Co.....	Freight charges.....	.43
	do.....	do.....	.74
	do.....	do.....	.27
	do.....	do.....	.22
	do.....	do.....	.27
	The Denver and Rio Grande R. R. Co.....	do.....	2.16
	do.....	do.....	30.75
	Baltimore and Ohio Southwestern R. R. Co.....	do.....	11.42
	Chesapeake and Ohio Rwy. Co.....	do.....	.84
	International and Great Northern R. R. Co.....	do.....	2.90
	San Antonio and Aransas Pass Rwy. Co.....	do.....	1.74
	Louisville and Nashville R. R. Co.....	do.....	1.18
	Lehigh Valley R. R. Co.....	do.....	1.39
	New York, Ontario and Western Rwy. Co.....	do.....	.45
	New Bedford, Marthas Vineyard and Nantucket Steamboat Co.....	do.....	.96
	Cincinnati Northern R. R. Co.....	do.....	.56
	W. W. Fowler.....	do.....	1.00
	Burlington Route, Missouri lines.....	do.....	1.16
	Central Vermont Rwy. Co.....	do.....	.57
	G. Meyer.....	Services.....	4.43
	A. McC. Ashley.....	Subsistence.....	14.25
	Home Telephone Co.....	Telephone services.....	10.40
	Alabama, Mississippi and Tennessee Telephone Co.....	do.....	6.50
	Coston Signal Co. (Incorporated).....	Answering signals.....	33.00
	Standard Oil Co.....	Oil.....	7.00
	Valley Paper Co.....	Paper.....	150.00
	J. L. Hudson.....	Repairing furniture.....	3.00
	Hammock & Ponder.....	Repairing typewriter.....	1.50
	Chas. Eneu Johnson Co.....	Ink.....	100.00
	C. C. Compton.....	Wood.....	24.00
	M. N. Hunt.....	Removing windows and doors.....	1.00
	J. S. Topham.....	Tool cases.....	197.50
	Amarillo Grain and Coal Co.....	Coal.....	30.00
	J. Sedell.....	Cleaning cesspool.....	15.00
	Cheyenne Light, Fuel and Power Co.....	Electric current.....	10.00
	Yund & Churchill.....	Repairing clock.....	1.00
	W. W. Hammond.....	Repairing building.....	13.00
	Chesapeake and Ohio Rwy. Co.....	Freight charges.....	2.81
	Southern Rwy. Co.....	do.....	5.88
	The Oregon Railroad and Navigation Co.....	do.....	1.17
	J. C. Entwistle.....	Engraving rain chart.....	10.00
	T. E. Young.....	Wagon.....	85.50
	J. F. Conrad Grocery Co.....	Gasoline.....	.70
	G. E. Plaster, jr.....	Rock salt.....	2.80
	A. J. Stohr.....	Constructing river gauge.....	26.00
	Manhattan Brass Co.....	Brass railing, gate, etc.....	60.00
	National Automatic Fire Alarm Co.....	Installing battery.....	5.15
21	Joseph Bily, jr.....	Traveling expenses.....	13.25
	E. A. Evans.....	do.....	37.17
	T. F. Townsend.....	do.....	7.65
	A. G. McAdie.....	do.....	3.00
	Hall, Black & Co.....	Printing annual summary.....	91.80
	P. H. Seewald.....	Repairing clock.....	4.50
	Low, Gillis & Powell.....	Constructing river gauge.....	10.50
	New York Telephone Co.....	Telephone services.....	16.80
	G. B. Reedy.....	Plowing ground.....	2.25



Expenditures of the Department of Agriculture for fiscal year ending June 30, 1904—Cont'd.

## WEATHER BUREAU, GENERAL EXPENSES—Continued.

Date.	Name.	Nature of payment.	Total.
1903.			
May 21	Carter, Rice & Co. (Corporation) . . . . .	Wrapping paper . . . . .	\$116.64
	Mary Wolf . . . . .	Cleaning office . . . . .	20.00
	Chicago, Burlington and Quincy Rwy. Co . . . . .	Freight charges . . . . .	.96
	do . . . . .	do . . . . .	9.41
	Wabash R. R. Co . . . . .	do . . . . .	1.26
	do . . . . .	do . . . . .	1.57
	Missouri Pacific Rwy. Co . . . . .	do . . . . .	1.64
	Star Union Line . . . . .	do . . . . .	2.82
	Pere Marquette R. R. Co . . . . .	do . . . . .	2.82
	Old Dominion Steamship Co . . . . .	do . . . . .	21.79
	C. Abbe . . . . .	Traveling expenses . . . . .	8.95
	M. E. Blystone . . . . .	do . . . . .	1.00
	J. B. Lambie Co. (Incorporated) . . . . .	Bolts, screws, etc. . . . .	2.45
	J. Baumgarten & Sons . . . . .	Repairing dating stamp . . . . .	1.25
	Rudolph, West & Co . . . . .	Varnish brushes . . . . .	83.00
	do . . . . .	Brass figures . . . . .	15.00
	Estate of John C. Parker . . . . .	Cardboard . . . . .	925.00
	do . . . . .	Paper . . . . .	314.25
	D. Frank Parker . . . . .	Cyclostyle pens . . . . .	72.00
	E. Mullin . . . . .	Rags . . . . .	14.00
	The Smith Premier Typewriter Co . . . . .	Typewriter and cover . . . . .	96.75
	The Maurice Joyce Engraving Co . . . . .	Photo-engraving plates . . . . .	22.26
	Forsberg & Murray . . . . .	Tongs . . . . .	3.00
	F. A. Schmidt . . . . .	Ink . . . . .	4.00
	R. Carter Ballantyne . . . . .	Paper . . . . .	43.41
	Delaware and Hudson Co . . . . .	Freight charges . . . . .	.83
	do . . . . .	do . . . . .	.45
31	The Royal Mail Steam Packet Co . . . . .	Roof rent . . . . .	12.00
	H. Rolle . . . . .	do . . . . .	9.00
	F. J. Walz . . . . .	Traveling expenses . . . . .	75.50
	E. A. Brown . . . . .	do . . . . .	10.80
	A. Zappone . . . . .	do . . . . .	13.60
	I. M. Cline . . . . .	do . . . . .	6.50
	Pacific States Telephone and Telegraph Co . . . . .	Telephone services . . . . .	8.10
	The Chesapeake and Potomac Telephone Co . . . . .	do . . . . .	6.10
	Rocky Mountain Bell Telephone Co . . . . .	do . . . . .	12.00
	North Montana Telephone Co . . . . .	do . . . . .	13.20
	Pacific States Telephone and Telegraph Co . . . . .	Telephone services . . . . .	8.40
	Ocean Tow Boat Line . . . . .	do . . . . .	2.00
	J. T. Harper . . . . .	do . . . . .	14.98
	Pacific States Telephone and Telegraph Co . . . . .	do . . . . .	13.40
	Southern Bell Telephone and Telegraph Co . . . . .	do . . . . .	7.80
	Sandusky Gas and Electric Co . . . . .	Installing lanterns . . . . .	7.12
	New London Gas and Electric Co . . . . .	Electric light . . . . .	14.25
	Louisville and Nashville R. R. Co . . . . .	Passenger transportation . . . . .	11.74
	The Pennsylvania R. R. Co . . . . .	do . . . . .	19.50
	Chicago, Milwaukee and St. Paul Rwy. Co . . . . .	do . . . . .	21.55
	C. Sevilla . . . . .	Services . . . . .	5.00
	G. A. Loveland . . . . .	Station supplies . . . . .	11.95
	A. J. Kelley . . . . .	Spreaders . . . . .	2.00
	B. H. Hammerly . . . . .	Chain . . . . .	2.50
	Chapin & Simpson . . . . .	Team hire . . . . .	107.00
	Silecott & Price . . . . .	Oil, lead, etc. . . . .	12.03
	J. H. Richmond . . . . .	Constructing river gauge . . . . .	78.85
	L. H. Jones . . . . .	Recasting rollers . . . . .	2.70
	Peoples Ice and Fuel Co . . . . .	Ice . . . . .	2.30
	Chas. Doyle . . . . .	Erecting tower . . . . .	38.00
	Morgan City Improvement Co. (Limited) . . . . .	Electric light . . . . .	7.50
	T. C. Seruggs . . . . .	Repairing stand . . . . .	2.50
	C. B. Lilliston . . . . .	Erecting thermometer shelter . . . . .	1.25
	E. Reinhart & Co . . . . .	Carpet . . . . .	47.23
	Heybach-Bush Co . . . . .	Printing material . . . . .	8.15
	L. F. Willoughby . . . . .	Ink, and recasting rollers . . . . .	4.75
	Williams & McAnulty . . . . .	Carpet . . . . .	76.70
	Rigby & Wilson . . . . .	Rug . . . . .	16.00
	H. S. Crocker Co . . . . .	Printing snow bulletins . . . . .	20.00
	Western Fuel Co . . . . .	Coal . . . . .	32.00
	American Type Founders Co . . . . .	Printing materials . . . . .	18.69
	William Jones . . . . .	Pumping out cesspool . . . . .	2.00
	A. G. Staton . . . . .	Removing ashes . . . . .	2.00
	do . . . . .	Fertilizer . . . . .	50.00
	E. Hayte . . . . .	Repairing telegraph line . . . . .	2.00
	T. J. Anderson . . . . .	Installing river gauge . . . . .	2.50
	E. C. Palmer & Co. (Limited) . . . . .	Printing materials . . . . .	1.79
	Baumgardt Publishing Co . . . . .	Printing climate and crop reports . . . . .	9.75
	L. A. Greaux . . . . .	Repairing clock . . . . .	2.00
	H. J. Green . . . . .	Barometer tubes . . . . .	100.00
	Addressograph Co . . . . .	Addressograph, cabinet, etc. . . . .	44.85
	H. A. Poole . . . . .	Repairing telegraph line . . . . .	3.50

EXPENDITURES IN DEPARTMENT OF AGRICULTURE. 421

Expenditures of the Department of Agriculture for fiscal year ending June 30, 1904—Cont'd.

WEATHER BUREAU, GENERAL EXPENSES—Continued.

Date.	Name.	Nature of payment.	Total.
1903.			
May 31	H. A. Goodwin.....	Repairing river gauge.....	\$2.00
	Electrical Engineering and Supply Co.....	Repairing tower.....	9.75
	W. F. Bradley.....	Repairing clock.....	1.50
	V. E. Swanson.....	do.....	2.00
	R. P. Andrews & Co. (Incorporated).....	Paper.....	123.80
	F. A. Schmidt.....	do.....	.90
	John Underwood & Co.....	Typewriter ribbons.....	13.50
	James Hayden.....	Drayage.....	.63
	The Oregon Railroad and Navigation Co.....	Freight charges.....	1.34
	Kewaunee, Green Bay and Western R. R. Co.....	do.....	10.59
	Cincinnati, New Orleans and Texas Pacific Rwy. Co.....	do.....	2.04
	Boston & Albany R. R. Co.....	do.....	1.88
	Chicago and Northwestern Rwy. Co.....	do.....	8.30
June 3	B. F. Larcombe et al.....	Pay roll, printing office.....	2,570.30
	Rudolph, West & Co.....	Nail pullers.....	12.00
	do.....	Halyards.....	25.60
	Lutz & Co.....	Metal polish.....	12.00
	Lamb & Tilden.....	Rubber stamps.....	1.74
	do.....	Logotype holders.....	36.00
	Estate of John C. Parker.....	Paper.....	72.91
	do.....	Cardboard.....	33.30
	do.....	Oil boards.....	29.00
	D. Frank Parker.....	Neostyle plates.....	100.00
	M. DuPerow.....	Climbers and straps.....	1.70
	The M. Lindsay Rubber Co.....	Rubber stoppers.....	.40
	S. J. Venable.....	Map frames.....	160.00
	W. H. Rupp Co.....	Stenographers' books.....	6.00
	F. A. Tschiffely, Jr.....	Vials.....	.75
	J. E. Turton.....	Instrument stands.....	409.50
	Densmore Typewriter Co.....	Copying pads.....	3.20
	Wm. H. Dyer.....	Sawdust.....	1.75
	G. E. Plaster.....	Wooden slabs.....	15.00
	Cunningham, Curtiss & Welch.....	Repairing typewriter.....	9.00
	C. Garcia.....	Drayage, custom-house papers, etc.....	6.50
	Standard House Furnishing Co.....	Leather couch.....	31.50
	C. A. Burton.....	Coal.....	58.75
	R. F. Hoy.....	Running levels.....	5.00
	Chas. T. Abeles & Co.....	Cabinet.....	44.50
	Alexander-Yost Co.....	Netting.....	7.00
	J. H. McWatters.....	Oil.....	2.75
	The Atchison, Topeka and Santa Fe Rwy. Co.....	Passenger transportation.....	67.20
	The Wabash R. R. Co.....	do.....	22.75
	The Yazoo and Mississippi Valley R. R. Co.....	do.....	5.40
	Chattahoochee River Steamers.....	do.....	3.50
	The International Ocean Telegraph Co.....	Telegraph services.....	153.79
	Western Union Telegraph Co.....	do.....	14,796.91
	Illinois Central R. R. Co.....	Freight charges.....	.21
	do.....	do.....	4.11
	do.....	do.....	.74
	Illinois Central R. R. Co.....	do.....	1.49
	Burlington and Missouri River R. R. in Nebraska.....	do.....	28.54
	do.....	do.....	1.10
	do.....	do.....	8.18
	The Denver and Rio Grande R. R. Co.....	do.....	2.06
	do.....	do.....	9.52
	Chicago and Alton Rwy. Co.....	do.....	.75
	do.....	do.....	4.51
	Chicago and Northwestern Rwy. Co.....	do.....	12.02
	Missouri Pacific Rwy. Co.....	do.....	2.11
	Union Pacific R. R. Co.....	do.....	71.72
	Great Northern Rwy. Co.....	do.....	29.33
	Norfolk and Washington Steamboat Co.....	do.....	.55
	Erie R. R. Co.....	do.....	.82
	The Oregon Railroad and Navigation Co.....	do.....	1.50
	Northern Michigan Transportation Co.....	do.....	.99
	Town of New Shoreham.....	do.....	.90
	L. S. Woodhouse.....	do.....	1.00
	The Breeden Office Supply Co.....	Repairing typewriters.....	2.00
	A. Midgett.....	Services and team hire.....	2.50
	E. W. Burt.....	Services.....	4.65
	Littlefield, Alvord & Co.....	Drayage.....	16.16
	Maddox & Hayden.....	Hard wood.....	2.00
	A. M. Kissouth.....	Grading lawn, etc.....	325.00
	H. C. Frankenfield.....	Traveling expenses.....	66.88
	B. Bunnemeyer.....	do.....	9.70
	E. B. Richards.....	do.....	20.95
9	J. Brown.....	do.....	8.00

Expenditures of the Department of Agriculture for fiscal year ending June 30, 1904—Cont'd.

WEATHER BUREAU, GENERAL EXPENSES—Continued.

Date.	Name.	Nature of payment.	Total.
1904.			
June 9	W. T. Blythe.....	Traveling expenses.....	\$35.80
	N. M. Cunningham.....	do.....	21.25
	I. M. Cline.....	do.....	7.50
	A. B. Wollaber.....	Subsistence.....	25.00
	Minneapolis, St. Paul and Sault Ste. Marie Rwy. Co.....	Telegraph services.....	10.56
	New England Telephone and Telegraph Co.....	do.....	2.50
	United Electric Light and Power Co.....	Electric light.....	3.78
	Robert Tyler.....	Printing climate and crop reports.....	12.50
	D. J. Stephenson.....	Wire connections for instruments.....	5.00
	A. H. Gurney.....	Repairing typewriter.....	5.00
	C. A. Malm & Co.....	Mail bag and lock.....	6.09
	W. H. Rider.....	Drayage.....	2.00
	Meyer & Wenthe.....	Dating stamps.....	2.00
	W. H. Light.....	Paint brushes.....	7.50
	C. A. Gilbert.....	Painting office sign, etc.....	6.50
	W. C. Duffield.....	Repairing clock.....	1.00
	Peter Gray & Sons.....	Lantern chimneys.....	36.00
	Barnhart Bros. & Spindler.....	Type.....	5.25
	W. H. Kistler.....	Ink.....	4.50
	B. Ganter.....	Repairing triple register clock.....	4.00
	W. H. Rollinson.....	Paint.....	5.00
	W. W. Chase.....	Cleaning carpet.....	3.00
	E. Buckley.....	Repairing walls of building.....	155.00
	D. J. Stephenson.....	Incandescent lamps.....	1.50
	H. M. Loud's Sons Co.....	Erecting tower.....	50.00
	Pennsylvania R. R. Co.....	Freight charges.....	2.41
	do.....	do.....	2.11
	Atchison, Topeka and Santa Fe Rwy. Co.....	do.....	100.33
	do.....	do.....	5.61
	Chicago and Alton Rwy. Co.....	do.....	.22
	do.....	do.....	.75
	The Denver and Rio Grande R. R. Co.....	do.....	1.08
	do.....	do.....	2.02
	Southern Rwy. Co.....	do.....	1.56
	Chicago and Alton Rwy. Co.....	do.....	.22
	Southern Rwy. Co.....	do.....	2.88
	Chicago, Burlington and Quincy Rwy. Co.....	do.....	1.37
	St. Louis and San Francisco R. R. Co.....	do.....	2.14
	Houston, East and West Texas Rwy. Co.....	do.....	1.27
	Star Union Line.....	do.....	.51
	Michigan Central R. R. Co.....	do.....	.66
	Cincinnati, Hamilton and Dayton Rwy. Co.....	do.....	.52
	Gulf, Colorado and Santa Fe Rwy. Co.....	do.....	1.74
	Galveston, Harrisburg and San Antonio Rwy Co.....	do.....	1.46
	Norfolk and Washington Steamboat Co.....	do.....	.50
	Marietta, Columbus and Cleveland R. R. Co.....	do.....	.51
	Chicago, Indianapolis and Louisville Rwy. Co.....	do.....	.86
	Normann Upp.....	do.....	.97
	New York Central and Hudson River R. R. Co.....	do.....	9.23
	Detroit and Mackinac Rwy. Co.....	do.....	4.76
	Narragansett Pier R. R. Co.....	do.....	2.01
	New Bedford, Marthas Vineyard and Nan- tucket Steamboat Co.....	do.....	3.19
	New York and Cuba Mail S. S. Co.....	do.....	2.10
	St. Louis Transfer Co.....	Drayage.....	1.11
	do.....	do.....	1.54
	Littlefield, Alvord & Co.....	do.....	34.21
	J. A. Barry.....	Traveling expenses.....	29.50
	H. B. Hersey.....	do.....	160.25
	T. F. Townsend.....	do.....	47.38
	T. S. Collins.....	do.....	31.68
	Abe Weisner.....	do.....	38.05
	Geo. Reeder.....	Station expenses.....	3.40
	E. B. Richards.....	Repairing instrument shelter.....	18.00
	W. L. Day.....	Station expenses, etc.....	6.95
	New York substations.....	Pay roll.....	45.00
	Rocky Mountain Bell Telephone Co.....	Telephone services.....	27.35
	Chesterfield Telephone and Telegraph Co.....	do.....	15.20
	The Smith Premier Typewriter Co.....	Platen.....	3.00
	A. J. Howerton.....	Oil and alabastine.....	3.50
	Colwell & Rogers.....	Foundation and repairs to tank.....	314.00
	J. C. Widman & Co.....	Weather map and frame.....	175.00
	Woodin & Little.....	Pump, hose, etc.....	29.38
15	B. B. McCay.....	Traveling expenses.....	8.95
	James Jones.....	do.....	29.05
	A. G. McAdie.....	do.....	2.00



Expenditures of the Department of Agriculture for fiscal year ending June 30, 1904—Cont'd.

WEATHER BUREAU, GENERAL EXPENSES—Continued.

Date.	Name.	Nature of payment.	Total.
1904. June 15	P. DeGraw .....	Office rent and subsistence.....	\$62.10
	O. W. Roberts .....	Station expenses.....	3.10
	S. Hackett .....	Drayage and photographs.....	3.50
	A. E. Hackett .....	Station expenses.....	5.19
	Erie R. R. Co.....	Passenger transportation.....	8.35
	Pittsburgh, Cincinnati, Chicago and St. Louis Rwy. Co.....	.....do.....	10.55
	Gulf, Colorado and Santa Fe Rwy. Co.....	.....do.....	6.25
	The Lake Shore and Michigan Southern Rwy. Co.....	.....do.....	70.20
	The Texas Pacific Rwy. Co.....	.....do.....	4.35
	Direct West India Cable Co. (Limited).....	Telegraph services.....	150.00
	H. R. Eley.....	Repairing telegraph line.....	2.50
	People's Ice and Fuel Co.....	Ice.....	1.55
	Queen & Co. (Incorporated).....	Alcohol.....	5.00
	Charles P. Biggin Co.....	Glass globes.....	16.00
	R. D. Wilson.....	Heater.....	15.50
	Yates & Co.....	Oil.....	12.16
	.....do.....	.....do.....	4.50
	Meyer & Anselm.....	Erecting tower.....	32.00
	H. H. Hodgson.....	Repairing typewriter.....	16.70
	Morrison Tent and Awning Co.....	Erecting awnings.....	11.00
	Alexander-Yost Co.....	Saws and ax.....	4.25
	H. J. Green.....	Thermometers.....	400.00
	W. J. Crawford.....	Drayage.....	.90
	J. B. Lambie Co. (Incorporated).....	Halyards.....	40.30
	Adams Express Co.....	Express charges.....	10.55
	S. J. Venable.....	Map frames.....	25.00
	.....do.....	.....do.....	201.00
	Woodward & Lothrop.....	Rug.....	45.00
	Estate of John C. Parker.....	Letter presses.....	124.32
	W. H. Butler Co.....	Paint.....	200.00
	R. Carter Ballantyne.....	Cardboard.....	42.60
	J. S. Topham.....	Boxes.....	12.50
	National Printers' Supply Co.....	Brushes.....	36.00
	Lamb & Tilden.....	Rubber stamps.....	1.01
	Southern Printers' Supply Co.....	Repairs for printing press.....	6.00
	National Electrical Supply Co.....	Wood brackets.....	12.50
	E. A. Brown.....	Traveling expenses.....	11.90
	H. E. Hobbs.....	.....do.....	17.00
	J. L. Bartlett.....	.....do.....	13.62
	J. Warren Smith.....	.....do.....	2.95
	W. Goodall.....	Seeding lawn.....	5.00
	A. D. Carter.....	Moving instrument shelter.....	18.00
	John Paul.....	Constructing river gauge.....	20.00
	A. M. Ferguson.....	Cutting grass, etc.....	5.00
	Lands Electric Co.....	Rewiring electric apparatus.....	12.00
	A. Midgett.....	Repairing telegraph line.....	2.50
	Pittsburg Transfer Co.....	Drayage.....	6.50
	Postal Telegraph Cable Co.....	Telegraph services.....	1.47
	Chesapeake and Ohio Rwy. Co.....	Passenger transportation.....	57.00
	The Chicago and Alton Rwy. Co.....	.....do.....	4.85
	Carrabelle, Tallahassee and Georgia R. R. Co.....	.....do.....	3.25
	Atlantic Coast Line R. R. Co.....	.....do.....	5.70
	Terre Haute and Indianapolis R. R. Co.....	.....do.....	19.25
	Detroit and Mackinac Rwy. Co.....	Freight charges.....	4.48
	Cleveland, Cincinnati, Chicago and St. Louis Rwy. Co.....	.....do.....	2.30
	The Oregon Railroad and Navigation Co.....	.....do.....	1.97
	Norfolk and Southern R. R. Co.....	.....do.....	.45
	Chesapeake and Ohio Rwy. Co.....	.....do.....	3.01
	Texas and Pacific Rwy. Co.....	.....do.....	8.21
	H. B. Gardner.....	.....do.....	2.98
	Disbursing clerk, Post-Office Department.....	Post-route maps.....	71.00
22	C. E. Linney.....	Traveling expenses.....	9.90
	C. W. Flattery.....	.....do.....	7.25
	R. D. Pettet.....	.....do.....	4.25
	F. R. Beaham.....	Canoe hire.....	6.00
	E. D. Emigh.....	Drayage and cleaning carpet.....	5.50
	Galveston, Harrisburg and San Antonio Rwy. Co.....	Passenger transportation.....	18.60
	.....do.....	.....do.....	8.60
	Union Pacific R. R. Co.....	.....do.....	2.50
	Western Union Telegraph Co.....	Telegraph services.....	109.00
	Rising Sun Telegraph Line.....	.....do.....	2.50
	Home Telephone Co.....	.....do.....	10.00
	Pacific States Telephone and Telegraph Co.....	.....do.....	8.10
	Corvallis and Eastern R. R. Co.....	.....do.....	2.50
	James White.....	Repairing river gauge.....	50.00
	J. C. Ellington, Jr.....	Papering office rooms.....	22.00

424 EXPENDITURES IN DEPARTMENT OF AGRICULTURE.

Expenditures of the Department of Agriculture for fiscal year ending June 30, 1904—Cont'd.

WEATHER BUREAU, GENERAL EXPENSES—Continued.

Date.	Name.	Nature of payment.	Total.
1904.			
June 22	C. D. Widman & Co.	Weather map, etc.	\$375.00
	F. W. Hansen	Fire tools	1.00
	C. C. Garrett	Traveling expenses	18.15
	R. M. Hardinge	do	25.05
	Willis L. Moore	do	18.40
	B. H. Bronson	do	18.55
	G. R. Oberholzer	Station expenses	4.75
	F. Z. Gosewisch	do	.75
	Frank Ridgway	do	2.95
	Postal Telegraph Cable Co.	Telegraph services	978.50
	Marthas Vineyard Telegraph Co.	do	25.54
	Alabama, Mississippi, and Tennessee Tele- phone Co.	do	6.50
	United Electric Gas and Power Co.	Electric light	12.02
	John Lang	Repairing telegraph line	2.50
	A. Midgett	do	5.00
	do	do	2.50
	F. T. Ross	Ax and pick handles	3.00
	F. L. Kershaw	Platen	2.00
	Lackawanna Steel Co.	Drayage	4.00
	Chapin & Simpson	Team hire and keeping horse	114.10
	Kelly & Co.	Adding machine	3.00
	F. H. Smith	Cleaning motor	2.50
	E. B. Howerton	Cleaning furniture	8.00
	H. N. Loud	Wiring tower	13.50
	The Smith Premier Typewriter Co.	Repairing typewriter	4.00
	J. C. Entwistle	Engraving rain chart	10.00
	F. A. Schmidt	Brushes	6.60
	Woodward & Lothrop	Millinet	13.75
	Edward Mullin	Rags	14.00
30	Western Union Telegraph Co.	Telegraph services	14,629.75
	The N. Y. Marine Register, The World's Marine News Co.	The N. Y. Marine Register	35.00
	A. W. Pugh	Traveling expenses	12.70
	J. A. Barwick	do	28.50
	Geo. L. Lovett	Office rent	105.00
	The Conrad National Bank	do	67.50
	A. Geiger	do	60.00
	Citizens Bank of Norfolk, Va.	do	131.25
	Wm. Pollman	do	112.50
	F. E. Warren Mercantile Co.	do	155.00
	Telephone Co. of South Jersey	Telephone services	5.00
	Columbia Telephone Co.	do	6.00
	Kalispell Water and Electric Co.	do	12.00
	The Inland Telephone and Telegraph Co.	do	9.00
	Larned Telephone Co.	do	3.00
	W. S. Rowe	do	3.00
	Elizabeth City Electric Light and Power Co.	Electric current	6.25
	The Wichita Gas, Electric Light and Power Co.	do	2.50
	State Journal Co.	Printing climate and crop bulle- tin	22.75
	The Steffen-Bretch Co.	Ice	3.05
	Al Brand	Station expenses	3.85
	C. L. Mills	Drayage	1.50
	J. P. Bolton	Drayage and telephone services	15.50
	The Pennsylvania R. R. Co.	Passenger transportation	43.10
	Virginia and Truckee R. R. Co.	do	18.80
	Chicago, Rock Island and Pacific Rwy. Co.	do	80.42
	Chicago, Milwaukee and St. Paul Rwy. Co.	do	6.92
	Southern Rwy. Co.	do	44.25
	J. Wadin	Repairing doors and windows	363.35
	Farmers Deposit National Bank	Erecting instrument shelter	110.00
	The Anthony & Scovill Co.	Paper	2.00
	Young Bros	Painting instrument shelter	9.00
	Norfolk and Western Rwy.	Freight charges	1.45
	Niagara Gorge R. R. Co.	do	.59
	Geo. Reeder	Traveling expenses	7.25
	A. B. Aymard	do	7.60
	A. B. Wollaber	do	35.30
	W. F. R. Phillips	do	17.75
	P. Connor	do	63.37
	A. H. Thiessen	do	40.73
	J. M. Sherrier	do	4.22
	C. F. Von Herrmann	Station expenses	12.55
	Thos. Gibson	Drayage	4.25
	R. M. Hardinge	do	7.25
	H. F. Alps	Drayage and washing towels	5.00
	Columbia Pump and Well Co.	Gasoline engine	158.00

Expenditures of the Department of Agriculture for fiscal year ending June 30, 1904—Cont'd.

WEATHER BUREAU, GENERAL EXPENSES—Continued.

Date.	Name.	Nature of payment.	Total.	
1904. June 30	Pacific States Telephone and Telegraph Co.	Telephone services	\$9.00	
	Southern States Telephone Co.	do	9.50	
	Southern Bell Telephone Co.	do	21.00	
	A. Zappone	Passports	2.00	
	do	Traveling expenses	12.15	
	F. J. Walz	do	45.45	
	D. P. McCallum	do	7.09	
	Postal Telegraph Cable Co. of Texas	Telegraph services	55.14	
	The Great Northwestern Telephone Co. of Canada.	do	106.78	
	Put in Bay Telegraph Co.	do	28.53	
	Minneapolis, St. Paul and Sault Ste. Marie Rwy. Co.	do	5.63	
	Chicago, Rock Island and Pacific Rwy. Co.	do	5.05	
	Western Union Telegraph Co.	Building telegraph loop	40.31	
	Jno. Martin & Co.	Insulators, etc.	7.50	
	H. A. Poole	Horse hire	1.50	
	Fred Bean	Traveling expenses	21.50	
	B. F. Lacombe et al.	Pay roll, printing office	2,475.82	
	Total, quarter ending June 30, 1904.			101,365.46
	<i>Supplemental.</i>			
	July 7	F. H. Bigelow	Traveling expenses	5.05
		A. G. McAdie	do	15.70
J. Warren Smith		do	6.40	
M. B. Stubbs		do	6.25	
J. H. Scott		do	6.25	
S. C. Calvert		do	8.25	
W. L. Moore		do	5.55	
W. M. Wilson		do	20.25	
A. J. Henry		do	10.25	
R. H. Alger		do	13.65	
H. H. Kimball		do	5.25	
J. W. Cronk		do	7.00	
H. C. Bate		Drayage, etc.	5.75	
Chas. Stewart		Station expenses	1.15	
Frank Ridgway		do	2.50	
E. H. Nimmo		do	2.50	
Camelo Sevilla		Cleaning office	5.00	
Chicago Telephone Co.		Telephone services	57.50	
The Rocky Mountain Bell Telephone Co.		do	15.00	
Bell Telephone Co. of Buffalo		do	29.50	
Pacific States Telephone and Telegraph Co.		do	18.00	
Mississippi Valley Telephone Co. of Iowa		do	6.00	
Lynchburg Telephone Co.		do	3.00	
Southern Bell Telephone and Telegraph Co.		do	20.00	
Michigan State Telephone Co.		do	28.50	
Wichita Independent Telephone Co.		do	7.50	
Pennsylvania Telephone Co.		do	18.00	
Southern Bell Telephone and Telegraph Co.		do	3.00	
Citizens Telephone Co. of Muskegon		do	6.00	
South Carolina Long Distance Telephone Co.		do	10.00	
Benzie County Telephone Co.		do	2.67	
Idaho Independent Telephone Co.		do	7.50	
The Colorado Telephone Co.		do	12.00	
Peninsular Telephone Co.		do	8.25	
Pacific States Telephone and Telegraph Co.		do	9.00	
The San Antonio Telephone Co.		do	7.50	
The Southwestern Telegraph and Telephone Co.		do	7.50	
Southern Bell Telephone and Telegraph Co.		do	9.00	
Rocky Mountain Bell Telephone Co.		do	8.25	
Michigan State Telephone Co.		do	15.00	
West Virginia Western Telephone Co.		do	4.50	
Central Union Telephone Co.		do	13.50	
Pacific States Telephone and Telegraph Co.		do	7.50	
Sunset Telephone and Telegraph Co.		do	6.00	
Southwest Telegraph and Telephone Co.		do	15.00	
Michigan State Telephone Co.		do	28.33	
The Toledo Home Telephone Co.		do	16.00	
Bell Telephone Co. of Buffalo		do	15.00	
Southern Bell Telephone and Telegraph Co.	do	12.00		
York State Telephone Co.	do	7.50		
New York and Pennsylvania Telephone and Telegraph Co.	do	7.50		
The Southern New England Telephone Co.	do	36.00		
E. L. Renee	do	2.00		



Expenditures of the Department of Agriculture for fiscal year ending June 30, 1904—Cont'd.

## WEATHER BUREAU, GENERAL EXPENSES—Continued.

Date.	Name.	Nature of payment.	Total.
	<i>Supplemental—Continued.</i>		
1904. July 7	The National Loan and Exchange Bank of Columbia.	Office rent.....	\$150.00
	The Farmers National Bank of Fresno.....	do.....	94.50
	E. L. Renoe.....	do.....	100.00
	C. M. Beeson.....	do.....	88.91
	Walla Walla Lodge, No. 56, I. O. O. F.....	do.....	84.87
	Consolidated Improvement Co.....	do.....	165.00
	Marquette County Savings Bank.....	do.....	90.00
	Law Building Co.....	do.....	62.50
	Jacob Crocker.....	do.....	75.00
	Chicago Auditorium Association.....	do.....	437.50
	A. W. Kenzie.....	do.....	75.00
	Prudential Building Co.....	do.....	170.00
	Edgar Harding.....	do.....	118.33
	Paine Bros.....	do.....	77.70
	Dyal-Upchurch Investment Co.....	do.....	187.50
	A. J. Knight.....	do.....	82.19
	T. M. Jeffris & Co.....	do.....	125.00
	Fremont Lumber Co.....	do.....	87.75
	Frank Leddy, agent Malley Building.....	do.....	150.00
	Orson Adams, jr.....	do.....	120.00
	Peter Sonna.....	do.....	120.00
	O. I. Mairs.....	do.....	90.00
	Bank of Tehama County.....	do.....	99.06
	Yale Hicks, agent.....	do.....	120.00
	Union Trust Building Co. (Limited).....	do.....	167.50
	Estate of S. Marks & Co.....	do.....	84.75
	Dent & Butler.....	do.....	105.00
	Tacoma Chamber of Commerce and Board of Trade.....	do.....	75.00
	H. H. Taylor, agent Mills Building.....	do.....	622.50
	Vicente Gonzalez.....	do.....	160.00
	International Ocean Telegraph Co.....	Telegraph services.....	160.14
	Ocean Towboat Line.....	do.....	2.00
	Pacific States Telephone and Telegraph Co.....	do.....	5.50
	Central District and Printing Telegraph Co.....	do.....	19.40
	A. E. Outerbridge.....	Passenger transportation.....	55.00
	San Antonio Gas and Electric Co.....	Electric light.....	3.12
	Tampa Electric Co.....	do.....	3.00
	Eureka Lighting Co.....	do.....	15.00
	W. S. Bricker.....	Electric current.....	12.50
	J. F. Byrne.....	do.....	12.50
	Light and Power Commission.....	do.....	8.55
	Leader Publishing Co.....	Printing climate and crop bulletins.....	27.00
	Munger's Laundry Co.....	Towel supply.....	6.00
	F. L. Knight.....	Washing towels.....	1.50
	A. L. Crumpton.....	do.....	.75
	M. Johnston.....	do.....	2.50
	G. A. Barnett.....	Ice.....	4.50
	Mount Washington Rwy. Co.....	Ground rent.....	5.00
	Western Union Telegraph Co.....	Repairing telegraph loop.....	3.60
	A. Midgett.....	Team hire.....	2.50
	G. E. Plaster, jr.....	Hauling supplies.....	30.00
	Forsberg & Murray.....	Repairing boiler.....	25.00
	C. R. Edmonston.....	Cuspidors.....	18.76
	Rudolph, West & Co.....	Staples.....	1.30
	Illinois District Telegraph Co.....	Delivering bulletins.....	15.00
	F. C. Serenson.....	Erecting fence.....	85.00
	California Notion and Toy Co.....	Wireless telegraph supplies.....	2.25
	The John M. Klein Electric Works.....	do.....	1.40
	Alexander-Yost Co.....	do.....	3.00
	F. D. Pettet.....	Papering rooms.....	88.00
	The Tuttle Paint and Glass Co.....	Repairing furniture and instrument shelter.....	18.00
	Alexander-Yost Co.....	Wireless telegraph supplies.....	3.00
	Electric Railway and Manufacturers Supply Co.....	do.....	4.00
	Goodyear Rubber Co.....	do.....	1.65
	John A. Roebling's Sons Co.....	do.....	8.05
	The John M. Klein Electric Works.....	do.....	13.00
	J. S. Stahl.....	Repairing typewriter.....	4.50
	Smith Premier Typewriter Co.....	do.....	6.00
	J. V. Oldham.....	Repairing river gauge.....	2.00
	T. S. Crane.....	Painting walls and ceilings.....	347.00
	W. H. Light.....	Repairing roof of building.....	520.00
	Henry Cleveland.....	Furnishing and planting hedge fence.....	175.00
	Cramp & Co.....	Erecting lantern support.....	20.00

Expenditures of the Department of Agriculture for fiscal year ending June 30, 1904—Cont'd.

## WEATHER BUREAU, GENERAL EXPENSES—Continued.

Date.	Name.	Nature of payment.	Total.
<i>Supplemental—Continued.</i>			
1904.			
July, 7	J. W. Graham & Co. ....	Ink .....	\$1.75
	Baltimore Journal of Commerce .....	Baltimore Journal of Commerce .....	2.75
	Keuffel & Esser Co. ....	Chartometer .....	2.88
	L. F. Sulpice .....	Repairing galley .....	1.00
	Victor Rost .....	Repairing barograph .....	7.00
	Carl Adler .....	Ink and mucilage .....	3.00
	John Kitchen, Jr., Co. ....	Binding publications .....	15.00
	F. W. Himsey .....	Repairing roof apparatus .....	9.00
	Oliver Typewriter Exchange .....	Repairing typewriter .....	11.50
	J. D. Thorpe .....	Repairing clock .....	1.50
	John Muhlfield .....	Constructing river gauge .....	8.00
	Millison Office Supply Co. ....	Repairing typewriter .....	3.28
	G. E. Plaster, jr. ....	Storage, hay, etc. ....	54.15
	H. C. Hamill .....	Repairing clock, etc. ....	2.00
	Farmers Deposit National Bank .....	Shelving, etc. ....	40.00
	Cook & Arthur .....	Constructing river gauge .....	34.00
	A. H. Thiessen .....	Traveling expenses .....	5.05
	E. A. Beals .....	.....do.....	25.09
	W. J. Olds .....	.....do.....	24.32
	H. S. Cole .....	.....do.....	24.30
	G. N. Wilson .....	.....do.....	5.75
	.....do.....	Drayage .....	1.05
	H. C. Bate .....	.....do.....	2.40
	O. Parker .....	Station expenses .....	11.16
	C. A. Blummer .....	Cleaning office .....	15.00
	Wells Fargo & Co. Express .....	Express charges .....	78.97
	G. A. Barton .....	Renovating office .....	9.75
	J. P. Geary .....	Installing instrument supports .....	20.00
	P. A. F. Walter .....	Rent of post-office box .....	1.50
	Town of Flagstaff .....	Water supply .....	8.00
12	James B. Lambie Co. (Incorporated) .....	Nails, wire, etc. ....	42.79
	Lamb & Tilden .....	Rubber stamps .....	3.79
	United States Express Co. ....	Express charges .....	14.70
	.....do.....	.....do.....	17.98
	Adams Express Co. ....	Freight charges .....	7.75
	The Smith Premier Typewriter Co. ....	Repairing typewriter .....	9.50
	.....do.....	.....do.....	14.20
	.....do.....	Parts for typewriter .....	4.60
	.....do.....	Repairing typewriter .....	20.00
	.....do.....	.....do.....	22.00
	R. P. Andrews & Co. (Incorporated) .....	Paper .....	110.76
	W. B. Moses .....	Desks, tables, and chairs .....	80.90
	National Electrical supply Co. ....	Lightning arrester .....	1.10
	Woodward & Lothrop .....	Desks and chairs .....	235.49
	Chelsea Carpet Cleaning and Storage Co. ....	Cleaning carpet .....	18.00
	Allen, Stephenson & Co. ....	Stand for automatic river recorder .....	10.25
	Wm. Curry's Sons .....	Brooms, mops, etc. ....	5.00
	Maverick-Clarke Litho Co. ....	Ink .....	1.50
	Wm. Curry's Sons .....	Oil and Grease .....	6.50
	H. R. Parker .....	Horse hire .....	2.00
	F. K. Crippen .....	Repairing telegraph line .....	5.00
	W. B. Knight .....	Repairing instrument shelter .....	1.00
	Haugh & Keenan S. and T. Co. ....	Drayage .....	20.00
	A. Midgett .....	Repairing telephone line .....	5.00
	New Telephone Co. ....	Telephone service .....	10.00
	Central Union Telephone Co. ....	.....do.....	18.00
	New England Telephone and Telegraph Co. ....	.....do.....	29.00
	New York Telephone Co. ....	.....do.....	60.00
	Jacksonville Telephone Co. ....	.....do.....	7.50
	Nebraska Telephone Co. ....	.....do.....	15.00
	Santa Fe Electric Telephone Co. ....	.....do.....	6.00
	Citizens Telephone Co. ....	.....do.....	13.25
	New England Telephone and Telegraph Co. ....	.....do.....	2.50
	The Bell Telephone Co. of Buffalo .....	.....do.....	4.40
	Florida East Coast Rwy. Co. ....	Passenger transportation .....	8.50
	Delaware, Lackawanna and Western R. R. Co. ....	.....do.....	10.95
	Boulton, Bliss & Dallett .....	.....do.....	50.00
	Seaboard Air Line Rwy. ....	.....do.....	7.75
	The Atchison, Topeka and Santa Fe Rwy. Co. ....	.....do.....	45.55
	Chicago and Northwestern Rwy. Co. ....	.....do.....	29.14
	The Wabash R. R. Co. ....	.....do.....	7.50
	St. Louis and San Francisco R. R. Co. ....	.....do.....	34.75
	California Northwestern Rwy. Co. ....	.....do.....	11.00
	Washington Southern Rwy. Co. ....	.....do.....	3.50
	The Baltimore and Ohio R. R. Co. ....	.....do.....	24.45
	The Texas Pacific Rwy. Co. ....	.....do.....	20.95
	Pittsburg, Cincinnati, Chicago and St. Louis Rwy. Co. ....	.....do.....	18.00

Expenditures of the Department of Agriculture for fiscal year ending June 30, 1904—Cont'd.

WEATHER BUREAU, GENERAL EXPENSES—Continued.

Date.	Name.	Nature of payment.	Total.
<i>Supplemental—Continued.</i>			
1904.	Atlantic Coast Line R. R. Co. ....	Passenger transportation.....	\$30.15
July 12	Pacific Mail Steamship Co. ....	do.....	75.00
	Pennsylvania Co. ....	do.....	11.00
	The Cleveland, Cincinnati, Chicago and St. Louis Rwy. Co. ....	do.....	46.50
	Dexter Horton.....	Office rent.....	120.00
	T. B. Catron.....	do.....	105.00
	The Royal Mail Steam Packet Co. ....	Rent of roof.....	12.00
	Jacksonville Towel Co. ....	Washing towels.....	3.00
	The R. L. Bryan Co. ....	Printing climate and crop bulletins.....	52.00
	The H. & W. B. Drew Co. ....	do.....	63.05
	Robert Tyler.....	do.....	10.00
	Muckerman Ice and Coal Co. ....	Ice.....	3.90
	Grant Rivenburg.....	do.....	2.73
	Lincoln Traction Co. ....	Electric current.....	13.50
	Illinois Central R. R. Co. ....	Freight charges.....	.74
	do.....	do.....	1.06
	do.....	do.....	.75
	do.....	do.....	.21
	Cleveland, Cincinnati, Chicago and St. Louis Rwy. Co. ....	do.....	2.50
	do.....	do.....	8.19
	Chicago, Burlington and Quincy Rwy. Co. ....	do.....	5.95
	do.....	do.....	.33
	San Pedro, Los Angeles and Salt Lake R. R. Co. ....	do.....	10.52
	Rome, Watertown and Ogdensburg R. R. ....	do.....	18.83
	Wabash R. R. Co. ....	do.....	.70
	Baltimore and Ohio Southwestern R. R. Co. ....	do.....	3.16
	Union Pacific R. R. Co. ....	do.....	22.32
	New York, New Haven and Hartford R. R. Co. ....	do.....	2.37
	Town of New Shoreham.....	do.....	1.25
	New York, Texas and Mexico Rwy. Co. ....	do.....	1.54
	The Denver and Rio Grande R. R. Co. ....	do.....	1.08
	Pennsylvania R. R. Co. ....	do.....	5.03
	Detroit and Mackinac Rwy. Co. ....	do.....	2.72
	Mariopa and Phoenix and Salt River Valley R. R. Co. ....	do.....	.25
	A. H. Thiessen.....	Traveling expenses.....	49.20
	A. Zappone.....	do.....	11.32
	T. L. Bridges.....	do.....	26.24
	Pacific States Telephone and Telegraph Co. ....	Telephone services.....	25.50
	New England Telephone and Telegraph Co. ....	do.....	14.25
	Flagstaff Mutual Telephone Co. ....	do.....	8.00
	Southern Bell Telephone and Telegraph Co. ....	do.....	15.00
	do.....	do.....	9.00
	Independent Telephone Co. ....	do.....	7.00
	Wytheville Telephone Co. ....	do.....	3.75
	The Southern Bell Telephone and Telegraph Co. ....	do.....	15.00
	The Indianapolis Gas Co. ....	Office rent.....	256.25
	Asheville Library Association.....	do.....	75.00
	John B. Smith.....	do.....	75.00
	Bank of Wytheville, Va.....	do.....	100.00
	Pacific Club.....	do.....	65.75
	Los Angeles Trust Co. ....	do.....	195.00
	The Chemical Building Co. ....	do.....	450.00
	Michigan Trust Co. Building.....	do.....	350.00
	American Surety Co. of New York.....	do.....	875.00
	Charleston Consolidated Rwy., Gas, and Electric Co. ....	Electric light.....	8.75
	Georgetown Electric Co. ....	do.....	8.75
	Charleston Consolidated Rwy., Gas, and Electric Co. ....	do.....	8.75
	Minneapolis General Electric Co. ....	Electric current.....	15.00
	The Union Ice Co. ....	Ice.....	9.10
	Lone Star Ice Co. ....	do.....	4.55
	John Ferguson.....	do.....	3.35
	J. F. Beck.....	Washing towels.....	3.00
	Joe Campbell.....	do.....	2.25
	A. O. Fischer.....	Team hire.....	2.00
	W. H. H. Smith.....	do.....	6.00
	Hoke Engraving Plate Co. ....	Casting box.....	18.00
	The Electric Storage Battery Co. ....	Wireless telegraph supplies.....	2.29
	Tualatin Mill Co. ....	Constructing river gauge.....	30.00
	H. S. Crocker Co. ....	Ink.....	2.00
	Pacific States Telephone and Telegraph Co. ....	Rent of conduit.....	35.10
	Chapman & Jakeman.....	Cleaning clock.....	2.00



Expenditures of the Department of Agriculture for fiscal year ending June 30, 1904—Cont'd.

## WEATHER BUREAU, GENERAL EXPENSES—Continued.

Date.	Name.	Nature of payment.	Total.
<i>Supplemental—Continued.</i>			
1904.			
July 12	Palestine Hardware Co.....	Water cooler.....	\$3.50
14	Treasurer of the United States.....	Constructing walks, etc., Yellowstone Park, Wyo.	523.15
15	E. A. Evans.....	Traveling expenses.....	14.00
	W. E. Bonnett.....	do.....	9.05
	M. Wright.....	do.....	2.00
	T. F. Townsend.....	Station expenses.....	10.50
	do.....	do.....	5.50
	F. McDonough.....	Drayage and washing towels.....	1.85
	T. B. Jennings.....	Drayage, etc.....	2.50
	J. J. Kelliher.....	Drayage.....	1.00
	J. R. Weeks.....	do.....	1.00
	G. A. Loveland.....	Station expenses.....	11.75
	A. Ashenberger.....	Drayage and oil.....	1.45
	L. M. Pindell.....	Drayage.....	.50
	J. F. Newsom.....	Drayage, etc.....	.90
	A. G. Burns.....	Drayage.....	.50
	S. W. Glenn.....	Station expenses.....	4.06
	E. R. Demain.....	do.....	4.55
	F. H. Brandenburg.....	Gasoline and repairing rain gauge.....	.90
	A. H. Bell.....	Station expenses.....	14.45
	A. L. Brockway.....	do.....	3.65
	R. M. Geddings.....	do.....	2.25
	J. W. Byram.....	do.....	11.50
	N. R. Taylor.....	do.....	2.25
	F. W. Conrad.....	Drayage.....	.75
	L. M. Tarr.....	Drayage and washing towels.....	4.65
	W. M. Fulton.....	Station expenses.....	17.00
	F. Newman.....	Drayage.....	.75
	J. C. Piercy.....	do.....	1.50
	G. N. Salisbury.....	do.....	1.55
	R. H. Sullivan.....	Drayage, etc.....	1.55
	W. T. Blythe.....	Station supplies and expenses.....	73.78
	T. S. Outram.....	Drayage, etc.....	6.55
	P. H. Smyth.....	Station expenses.....	3.40
	W. G. Burns.....	Express charges.....	11.55
	L. N. Jesunofsky.....	Drayage.....	1.25
	T. S. Collins.....	do.....	1.00
	B. Bunnemeyer.....	Station expenses.....	3.90
	E. L. Wells.....	Washing towels.....	.75
	Campbell Printing Press and Manufacturing Co.....	Repairing printing press.....	265.71
	Cumberland Telephone and Telegraph Co.....	Telephone services.....	10.00
	The Diamond State Telephone Co.....	do.....	6.25
	Chesterfield Telephone and Telegraph Co.....	do.....	7.70
	Home Telephone Co.....	do.....	7.50
	Maryland Telephone and Telegraph Co.....	do.....	13.00
	Hudson River Telephone Co.....	do.....	16.50
	Sunset Telephone and Telegraph Co.....	do.....	15.00
	Southwestern Telegraph and Telephone Co.....	do.....	15.00
	Mutual Telephone Co.....	do.....	11.25
	Cumberland Telephone and Telegraph Co.....	do.....	29.85
	do.....	do.....	12.30
	do.....	do.....	7.30
	The Southwestern Telegraph and Telephone Co.....	do.....	13.00
	do.....	do.....	12.00
	do.....	do.....	21.50
	Fayette Home Telephone Co.....	do.....	4.50
	Empire State Telephone and Telegraph Co.....	do.....	7.50
	East Tennessee Telephone Co.....	do.....	9.00
	The Bell Telephone Co. of Philadelphia.....	do.....	17.25
	Kinloch Telephone Co.....	do.....	15.00
	Zenith City Telephone Co.....	do.....	7.50
	Rocky Mountain Bell Telephone Co.....	do.....	9.00
	Cumberland Telephone and Telegraph Co.....	do.....	21.00
	Pacific States Telephone and Telegraph Co.....	do.....	4.50
	Cumberland Telephone and Telegraph Co.....	do.....	16.50
	Central Union Telephone Co.....	do.....	10.50
	Southern Bell Telephone and Telegraph Co.....	do.....	12.00
	The Cleveland Telephone Co.....	do.....	33.00
	The Northwestern Telephone Exchange Co.....	do.....	33.00
	East Tennessee Telephone Co.....	do.....	12.00
	E. S. Allen.....	do.....	12.00
	The Colorado Telephone Co.....	do.....	28.50
	Missouri and Kansas Telephone Co.....	do.....	30.00
	Iowa Telephone Co.....	do.....	15.00
	Ontario Telephone Co.....	do.....	15.00
	Southern Bell Telephone and Telegraph Co.....	do.....	12.00
	Missouri and Kansas Telephone Co.....	do.....	6.00

Expenditures of the Department of Agriculture for fiscal year ending June 30, 1904—Cont'd.

## WEATHER BUREAU, GENERAL EXPENSES—Continued.

Date.	Name.	Nature of payment.	Total.
<i>Supplemental—Continued.</i>			
1904.			
July 15	Sunset Telephone and Telegraph Co.....	Telephone services.....	\$18.00
	Louisville Home Telephone Co.....	do.....	12.00
	Southern Bell Telephone and Telegraph Co.....	do.....	7.50
	Wisconsin Telephone Co.....	do.....	15.00
	Southern Bell Telephone and Telegraph Co.....	do.....	12.00
	The Bell Telephone Co. of Missouri.....	do.....	33.00
	The Keystone Telephone Co. of Philadelphia.....	do.....	20.00
	Duluth Telephone Co.....	do.....	15.00
	The Bluff City Telephone Co.....	do.....	15.00
	The Columbus Citizens Telephone Co.....	do.....	10.00
	Black Hills Telegraph and Telephone Co.....	do.....	21.00
	Sunset Telephone and Telegraph Co.....	do.....	15.00
	Southern Utah Telephone Co.....	do.....	5.00
	New England Telephone and Telegraph Co.....	do.....	8.25
	Michigan State Telephone Co.....	do.....	7.50
	Nebraska Telephone Co.....	do.....	21.00
	Palestine Telephone Co.....	do.....	9.00
	New York and Pennsylvania Telephone and Telegraph Co.....	do.....	12.00
	Cumberland Telephone and Telegraph Co.....	do.....	19.50
	Southern Bell Telephone and Telegraph Co.....	do.....	24.00
	Central Union Telephone Co.....	do.....	15.00
	Asheville Telephone and Telegraph Co.....	do.....	10.00
	Michigan State Telephone Co.....	do.....	8.00
	E. V. Hauser.....	do.....	10.50
	The Central District and Printing Telegraph Co.....	do.....	35.75
	New England Telephone and Telegraph Co.....	do.....	14.25
	Michigan State Telephone Co.....	do.....	2.50
	Pacific States Telephone and Telegraph Co.....	do.....	39.00
	Southern Bell Telephone and Telegraph Co.....	do.....	7.50
	New England Telephone and Telegraph Co.....	do.....	2.80
	Northwestern Telephone Exchange Co.....	do.....	6.00
	Alabama, Mississippi and Tennessee Tele- phone Co.....	do.....	6.50
	Sunset Telephone and Telegraph Co.....	do.....	6.00
	R. L. Lewis.....	do.....	24.00
	R. E. Pollock.....	Traveling expenses.....	14.75
	Cherry County Telephone Co.....	Telephone services.....	7.50
	Astoria Electric Co.....	Electric light.....	4.00
	E. A. Born.....	do.....	27.75
	Northern California Power Co.....	do.....	4.50
	Improvement Loan and Trust Co.....	do.....	8.75
	Havre Electric Light Co.....	do.....	60.00
	Menominee and Marinette Light and Trac- tion Co.....	do.....	2.00
	O. C. G. Urban.....	do.....	4.00
	do.....	do.....	12.50
	Phoenix Light and Fuel Co.....	do.....	7.78
	J. E. Miller & Son.....	do.....	3.00
	Sociedad Anonima Luz Electrica.....	do.....	21.60
	Port Huron Light and Power Co.....	do.....	1.50
	H. N. Loud.....	do.....	6.00
	Washington Electric Light and Power Co.....	do.....	10.00
	Board of Fire and Water Commissioners.....	do.....	2.24
	Power Department.....	do.....	5.00
	Ashland Light, Power and Street Railway Co.....	do.....	17.50
	The Culver Construction Co.....	do.....	12.50
	Green Bay Light and Power Co.....	do.....	6.25
	Agricultural and Mechanical College of Ken- tucky.....	do.....	3.00
	M. V. Hughes.....	do.....	9.00
	People's Gas and Electric Co. of Oswego.....	do.....	4.19
	United Electric Light and Power Co.....	do.....	7.00
	Annapolis Gas and Electric Light Co.....	do.....	9.00
	Nantucket Gas and Electric Co.....	do.....	1.40
	Cape May Light and Power Co.....	do.....	3.56
	Consolidated Electric Light Co. of Maine.....	do.....	37.50
	Asheville Electric Co.....	do.....	3.66
	Nashville Railway and Light Co.....	Electric current.....	15.00
	Consolidated Gas Co. of New Jersey.....	do.....	8.86
	Indianapolis Light and Power Co.....	do.....	18.00
	The Raleigh Electric Co.....	do.....	4.50
	Galveston Gas Co.....	Gaslight.....	8.70
	Standard Gas and Electric Co.....	do.....	10.05
	Nashville Gas Co.....	do.....	8.10
	Buffalo Gas Co.....	do.....	4.10
	Margaret Parmentier.....	Office rent.....	74.25
	E. D. Osborn.....	do.....	125.00

Expenditures of the Department of Agriculture for fiscal year ending June 30, 1904—Cont'd.

## WEATHER BUREAU, GENERAL EXPENSES—Continued.

Date.	Name.	Nature of payment.	Total.
	<i>Supplemental—Continued.</i>		
1904.			
July 15	Ed S. Hughes & Co.	Office rent	\$95.45
	Improvement Loan and Trust Co.	do	206.25
	Cleary Bros.	do	135.00
	Henry Bolton	do	52.84
	F. L. Keating	do	96.00
	The First National Bank, Portland, Me.	do	126.00
	Department of the Interior of Porto Rico.	do	150.00
	Walter Talbot	do	120.00
	City of Palestine, Tex.	do	78.50
	B. S. Williams	do	73.00
	J. K. Porter	do	150.00
	Emily Culbertson	do	127.50
	Albert Marty	do	165.00
	F. D. Miracle	do	147.00
	K. F. Coke	do	60.00
	J. L. Connell	do	118.75
	Society for Savings	do	285.00
	Mill Valley and Mount Tamalpais Scenic Rwy.	do	105.00
	Jose Valenti	do	75.00
	Empire Building Trust	do	279.00
	The Hayden Co.	do	300.00
	Fraternal Hall Association	do	105.00
	Estate of J. G. Hatch	do	82.75
	Title Guarantee Loan and Trust Co.	do	180.00
	D. Hope Ross	do	72.00
	Northwestern Mutual Life Insurance Co. of Milwaukee, Wis.	do	125.00
	Chinckett & Coates	do	69.25
	D. L. Buhne, G. C. Buhne, M. C. Pratt, S. C. Buhne.	do	92.20
	Wm. Curry's Sons	Rent of boathouse	24.00
	A. S. Cook	Office rent	90.00
	Kathrina Wagner	do	75.00
	Cumberland Telephone and Telegraph Co.	Telephone services	15.60
	Home Telephone Co.	do	10.40
	The Ohio River Telephone Co.	do	15.40
	East Tennessee Telephone Co.	do	14.10
	do	do	15.60
	Postal Telegraph-Cable Co. of Texas	Telegraph services	113.81
	Townsend Gas and Electric Co.	Electric light	7.50
	R. G. Thomas	Washing towels	3.00
	J. P. Geary	Horse hire	10.00
	J. I. Widmeyer	Station expenses	1.85
	J. W. Bauer	do	4.70
	W. S. Currier	do	2.25
	Pensacola, substations	Pay roll	36.00
	Buffalo, substations	do	108.00
	Norfolk, substations	do	135.00
	La Crosse Telephone Co.	Telephone services	7.50
	Wisconsin Telephone Co.	do	3.75
	The Northwestern Telephone Exchange Co.	do	21.00
	Twin City Telephone Co.	do	12.00
	Northwestern Telephone Exchange Co.	do	10.50
	E. T. Pennoyer	Office rent	6.25
	Chamber of Commerce Building Co	do	93.21
	Humboldt County, Nev.	do	67.00
	J. E. Dooley	do	150.00
	The First National Bank of Moorhead	do	66.31
	C. J. Buell	do	94.50
	A. A. Finck	Printing climate and crop bulletins.	26.00
	Statesman Printing Co.	do	101.50
	Vicksburg Herald	do	52.00
	Aeme Publishing Co.	do	38.50
	A. Lynne é hijos de Perez Moris	do	78.00
	The Schnepf & Lauer Co.	do	45.00
	Dunn & Lemmon	do	33.00
	Times-Journal Publishing Co.	do	39.00
	Bennett Printing House	do	52.00
	World Publishing Co.	do	33.00
	St. Louis Toilet Supply Co.	Towel supply	4.50
	C. A. Johnson	do	3.00
	J. H. Groot	do	3.00
	The American Toilet Supply Co.	do	2.25
	Eastern Towel Supply Co.	do	6.00
	Nashville Laundry Co.	do	1.80
	Long's Towel Supply	Washing towels	3.00
	L. E. Wilson	do	1.50



Expenditures of the Department of Agriculture for fiscal year ending June 30, 1904—Cont'd.

## WEATHER BUREAU, GENERAL EXPENSES—Continued.

Date.	Name.	Nature of payment.	Total.
	<i>Supplemental—Continued.</i>		
1904.			
July 15	Dora Moyen .....	Washing towels .....	\$6.00
	Omaha Towel Co. ....	do .....	3.00
	Baltimore Towel Supply Co. ....	do .....	2.25
	C. D. Cass .....	do .....	3.00
	C. G. Le Clair .....	Ice supply .....	1.00
	The Huron Ice Co. ....	do .....	3.50
	The Union Ice Co. ....	do .....	9.10
	W. B. Lount .....	do .....	7.60
	Lytle Water Co. ....	do .....	3.00
	Consumers Ice Co. ....	do .....	4.50
	Geo. A. Von Blucher .....	do .....	4.55
	American Ice Co. ....	do .....	2.05
	Consumers Ice and Fuel Co. ....	do .....	1.60
	Capital Ice Co. ....	do .....	3.90
	Peoples Ice and Fuel Co. ....	do .....	1.40
	C. J. Chilver .....	do .....	3.00
	Clem Jaycocks .....	do .....	9.10
	City Delivery Co. ....	do .....	4.55
	H. K. Eagleson .....	do .....	2.50
	Johnson & Johnson .....	do .....	2.00
	Peleg Brown .....	Team hire .....	5.00
	E. O. Neal .....	do .....	2.00
	J. R. Hobbs .....	Horse hire .....	5.00
	W. W. Best .....	Repairing telegraph line .....	7.00
	Louis Hendricks .....	do .....	5.00
	Duluth Van and Storage Co. ....	Drayage, etc. ....	14.00
	H. A. Brossard .....	do .....	3.75
	C. W. Harris .....	Kalsomining walls, etc. ....	98.00
	A. M. Ferguson .....	Boat hire, etc. ....	11.50
	E. A. Little .....	Cleaning carpet .....	1.65
	J. B. Fickett & Co. ....	Benzine .....	1.50
	Ithaca Calendar Clock Co. ....	Cleaning triple register clock .....	2.00
	Gustaf Forsberg .....	Painting instrument shelter .....	2.25
	A. B. Kennedy .....	Cleaning thermograph clock .....	1.00
	F. H. Kinsman .....	Renovating office .....	4.05
	Richard Peacon .....	Gasoline and kerosene .....	19.90
	Jones House-Furnishing Co. ....	Sectional bookcase .....	53.90
	Gamble & Ludwig .....	Gasoline .....	.75
	A. E. Porter .....	Renovating office rooms .....	9.25
	H. J. Boal .....	Renovating furniture .....	6.39
	Citizens Bank of Norfolk, Va. ....	Making and repairing awnings .....	12.35
	C. B. Little .....	Water supply .....	11.00
	J. B. Ansbury .....	Painting river gauge .....	17.00
	F. G. and A. Howald .....	Repairing chairs .....	10.00
	Scarritt Comstock Furniture Co. ....	Desk .....	21.00
	C. C. Ranson .....	Repairing telegraph line .....	2.50
	J. W. Duncan .....	Adjusting rigger gauge .....	1.50
	J. A. Mott .....	Concreting cellar floor .....	99.00
	Neil Ferguson .....	Drayage .....	.25
	Rising Sun Telegraph Line .....	Telegraph services .....	2.60
	Minneapolis, St. Paul and Sault Ste. Marie Rwy. Co. ....	do .....	10.00
	The Direct West India Cable Co. (Limited) ..	do .....	154.18
	The Moncure and Pittsboro Telegraph Co. ....	do .....	7.40
	The Great Northwestern Telegraph Co. of Canada. ....	do .....	131.07
	Jacksonville and St. Johns Bar Telegraph Line. ....	do .....	17.50
	Corvallis & Eastern R. R. Co. ....	do .....	2.60
	Postal Telegraph-Cable Co. ....	do .....	938.51
	Western Union Telegraph Co. ....	do .....	13,774.55
20	Gaut-Ogden Co. ....	Repairing typewriter .....	8.00
	W. Ellis .....	Cleaning office .....	9.00
	J. T. Myers .....	do .....	15.00
	W. A. Bond .....	Asbestos covering for pipes .....	30.00
	Lamb & Tilden .....	Rubber stamps .....	1.01
	G. L. Gibson .....	Transportation .....	175.00
	Chapin & Simpson .....	Drayage and livery service .....	100.50
23	B. L. Waldron .....	Drayage and washing towels .....	1.70
	R. J. McMaster .....	Services .....	15.00
	Mill Valley and Mt. Tamalpais Scenic Rwy. ....	do .....	15.00
	New Haven, substations .....	Pay roll .....	48.00
	Macon, substations .....	do .....	43.50
	Rocky Mountain Bell Telephone Co. ....	Telephone services .....	15.00
	East Tennessee Telephone Co. ....	do .....	9.00
	Southwestern Telegraph and Telephone Co. ....	do .....	21.00
	Georgia Telephone and Telegraph Co. ....	do .....	15.00
	Cumberland Telephone and Telegraph Co. ....	do .....	48.00
	Rocky Mountain Bell Telephone Co. ....	do .....	12.00

Expenditures of the Department of Agriculture for fiscal year ending June 30, 1904—Cont'd.

## WEATHER BUREAU, GENERAL EXPENSES—Continued.

Date.	Name.	Nature of payment.	Total.
<i>Supplemental—Continued.</i>			
1904.	Iowa Telephone Co.	Telephone services.	\$7.70
July 23	The City and Suburban Telegraph Association.	do	21.00
	Peoples Telephone and Telegraph Co.	do	7.50
	Dakota Central Telephone Lines (Incorporated).	do	94.40
	Capital Telephone and Telegraph Co.	do	4.50
	Southwestern Telegraph and Telephone Co.	do	9.00
	The Topoka Independent Telephone Co.	do	9.00
	The Delaware and Atlantic Telegraph and Telephone Co.	do	12.00
	East Tennessee Telephone Co.	do	36.10
	Rocky Mountain Bell Telephone Co.	do	14.60
	North Montana Telephone Co.	do	14.20
	Central New York Telephone and Telegraph Co.	do	20.00
	Southwestern Telegraph and Telephone Co.	do	18.00
	Southern Bell Telephone and Telegraph Co.	do	12.00
	Wisconsin Telephone Co.	do	30.00
	Cumberland Telephone and Telegraph Co.	do	12.00
	W. H. Dann.	Office rent.	72.00
	Manitowoc Electric Co.	Electric light.	18.00
	Electric Lighting Co. of Mobile.	do	1.86
	The Milwaukee Electric Railway and Light Co.	do	12.50
	Kenosha Gas and Electric Co.	do	17.50
	The Citizens Gas and Electric Co.	do	3.76
	Sturgeon Bay Electric Light Plant.	do	11.00
	Sheboygan Light, Power, and Railway Co.	do	11.00
	Max Levy.	Electric current.	30.00
	Cumberland Telephone and Telegraph Co.	Telegraph services.	150.10
	Chicago, Rock Island and Pacific Rwy. Co.	do	10.43
	Pacific States Telephone and Telegraph Co.	do	7.80
	R. G. Sleater.	Printing climate and crop bulletins.	52.00
	Naegle & Co.	do	22.50
	Consumers Ice Co.	Ice.	3.85
	American Linen Supply Co.	Towel supply.	3.00
	H. A. Poole.	Repairing telegraph line.	3.00
	Remington Typewriter Co.	Repairing typewriter.	3.50
	W. Sharpe.	Repairing platform, etc.	30.00
	Pacific States Type Foundry.	Type.	20.00
	The General Cartage and Storage Co.	Drayage.	8.00
	A. R. Derge & Co.	Ink.	3.50
	Missouri Pacific Rwy. Co.	Freight charges.	1.12
	do	do	14.98
	do	do	3.13
	New York Central and Hudson River R. R. Co.	do	4.82
	do	do	.45
	Louisville and Nashville R. R. Co.	do	.78
	do	do	3.88
	Albany and Vicksburg Rwy.	do	4.36
	do	do	.63
	New Orleans and Northeastern R. R.	do	.97
	do	do	.96
	Southern Rwy. Co.	do	10.71
	Burlington and Missouri River R. R. in Nebraska.	do	11.66
	Norfolk and Washington Steamboat Co.	do	11.13
	Great Northern Rwy. Co.	do	2.45
	Colorado Midland Rwy. Co.	do	9.09
	Western Railway of Alabama.	do	4.67
	Town of New Shoreham.	do	2.69
	El Paso and Southwestern R. R. Co.	do	6.10
	Boston and Maine R. R.	do	.92
	Chicago and Northwestern Rwy. Co.	do	9.25
	G. T. Todd.	Drayage.	5.50
	F. A. Carpenter.	Drayage and washing towels.	9.30
	E. A. Beals.	Drayage, etc.	6.60
	Philadelphia, substations.	Pay roll.	79.00
	Southern Bell Telephone and Telegraph Co.	Telephone services.	8.25
	Sunset Telephone and Telegraph Co.	do	4.50
	Joseph Bryan.	Office rent.	150.00
	City of Milwaukee.	Electric light.	12.50
	City of South Haven, Mich.	do	12.50
	City of Grand Haven.	do	18.00
	Muskegon Traction and Lighting Co.	do	15.00

Expenditures of the Department of Agriculture for fiscal year ending June 30, 1904—Cont'd.

## WEATHER BUREAU, GENERAL EXPENSES—Continued.

Date.	Name.	Nature of payment.	Total.
<i>Supplemental—Continued.</i>			
1904.	The Crystal Ice Co. ....	Ice .....	\$2.60
July 23	P. Binder .....	do .....	3.00
	Densmore Typewriter Co. ....	Repairing typewriter .....	1.50
	W. S. Belden .....	Traveling expenses .....	23.08
	L. H. Murdoch .....	Drayage .....	10.75
	M. E. Conway .....	do .....	.50
	W. J. Olds .....	Drayage and washing towels .....	.75
	L. A. Denson .....	Station expenses .....	2.25
	H. D. Pillichody .....	Services .....	30.00
	Atlanta, substations .....	Pay roll .....	167.20
	Charleston, substations .....	do .....	60.80
	do .....	do .....	30.90
	Indianapolis, substations .....	do .....	180.20
	Jacksonville, substations .....	do .....	75.00
	New York, substations .....	do .....	45.00
	Boston, substations .....	do .....	791.25
	Charleston, substations .....	do .....	77.85
	Chicago, substations .....	do .....	345.80
	Harrisburg, substations .....	do .....	129.50
	Atlanta, substations .....	do .....	71.25
	Savannah, substations .....	do .....	151.60
	S. W. Lightner .....	Services .....	30.00
	New Orleans, substations .....	Pay roll .....	211.20
	do .....	do .....	128.40
	A. L. Brockway .....	Traveling expenses .....	34.27
	J. H. Robinson .....	do .....	31.37
	B. H. Bronson .....	do .....	17.90
	W. S. Belden .....	Station expenses .....	7.05
	H. C. Bate .....	Drayage .....	3.02
	J. R. Williams .....	do .....	1.25
	F. P. Chaffee .....	do .....	1.70
	E. H. Emery .....	Station expenses .....	17.75
	I. M. Cline .....	do .....	8.95
	G. E. Grimes .....	do .....	1.55
	J. E. Harris .....	Services .....	16.00
	A. G. Miley .....	do .....	10.00
	M. A. Webster .....	do .....	15.00
	Southern Bell Telephone and Telegraph Co. ....	Telephone services .....	7.80
	Northwestern Telephone Exchange Co. ....	do .....	9.00
	Consolidated Telephone Co. ....	do .....	5.00
	Amarillo Telephone Co. ....	do .....	9.00
	Washington County Telephone Co. ....	do .....	7.30
	The Colorado Telephone Co. ....	do .....	13.50
	A. B. Smith .....	Office rent .....	85.35
	G. W. O'Brien .....	do .....	18.00
	E. P. Jones .....	do .....	25.00
	Morgan City Improvement Co. (Limited) .....	Electric light .....	7.50
	Narragansett Pier Electric Light and Power Co. ....	do .....	11.94
	Chicago Edison Co. ....	do .....	16.49
	The Seattle Electric Co. ....	do .....	3.60
	P. H. Cheney & Sons .....	do .....	4.69
	Duluth General Electric Co. ....	do .....	23.65
	Alpena Electric Light Co. ....	do .....	4.00
	Charlevoix Electric Light Plant .....	do .....	4.50
	Manistee Gas and Electric Co. ....	do .....	7.50
	New Orleans and Carrollton Railroad, Light, and Power Co. ....	do .....	4.50
	The Atlantic Electric Light and Power Co. ....	do .....	19.61
	Houghton County Electric Light Co. ....	do .....	4.64
	The Commercial Electric Co. ....	do .....	5.26
	Mutual Light and Water Co. ....	do .....	7.20
	Stearns Lighting and Power Co. ....	do .....	11.25
	Benton Harbor and St. Joseph Electric Rwy. and Light Co. ....	do .....	12.50
	Nels. Johnson .....	Ice .....	3.00
	Jno. H. Cunningham .....	do .....	6.00
	The Consumers Ice Co. ....	do .....	5.00
	Williamson Towel Supply Co. ....	Washing towels .....	3.00
	A. Klein .....	do .....	2.00
	Fowler Manufacturing Co. (Limited) .....	Towel supply .....	3.00
	M. T. Hayden .....	Washing towels .....	3.00
	Summers Printing Co. ....	Printing climate and crop reports .....	49.80
	Marthas Vineyard Telegraph Co. ....	Telegraph services .....	26.77
	Paul De Graw .....	Subsistence, rent, etc. ....	62.25
	Adams Express Co. ....	Express charges .....	5.60
	James Jones .....	Traveling expenses .....	17.65
	J. J. Gray .....	do .....	2.75
	C. L. Maxwell .....	Telephone services .....	21.00





Expenditures of the Department of Agriculture for fiscal year ending June 30, 1904—Cont'd.

## WEATHER BUREAU, GENERAL EXPENSES—Continued.

Date.	Name.	Nature of payment.	Total.
	<i>Supplemental—Continued.</i>		
1904.	Chicago, substations.....	Pay roll.....	\$435.00
July 31	Cincinnati, substations.....	do.....	193.25
	Columbus, substations.....	do.....	253.00
	Fort Smith, substations.....	do.....	39.00
	Galveston, substations.....	do.....	256.75
	Knoxville, substations.....	do.....	128.00
	La Crosse, substations.....	do.....	92.00
	Little Rock, substations.....	do.....	195.80
	do.....	do.....	62.75
	Mobile, substations.....	do.....	121.60
	Montgomery, substations.....	do.....	136.80
	do.....	do.....	46.06
	Nashville, substations.....	do.....	92.30
	New Orleans, substations.....	do.....	112.50
	do.....	do.....	4.00
	do.....	do.....	147.00
	Omaha, substations.....	do.....	235.60
	Parkersburg, substations.....	do.....	53.27
	Pittsburg, substations.....	do.....	388.75
	Portland, Oreg., substations.....	do.....	150.00
	St. Louis, substations.....	do.....	175.22
	do.....	do.....	181.40
	Savannah, substations.....	do.....	61.00
	Shreveport, substations.....	do.....	46.50
Aug. 5	Geo. P. Muth & Co.....	Concentrated lye.....	10.56
	Lamb & Tilden.....	Rubber stamps.....	1.87
	A. McC. Ashley.....	Traveling expenses.....	58.00
	J. W. Smith.....	do.....	29.39
	W. T. Lathrop.....	do.....	13.25
	W. M. Wilson.....	Drayage, etc.....	3.60
	H. B. Boyer.....	do.....	1.65
	Geo. Reeder.....	Subsistence.....	29.50
	R. M. Hardinge.....	Drayage and washing towels.....	5.00
	A. F. Simms.....	Station expenses.....	21.91
	O. L. Fassig.....	do.....	4.60
	T. F. Townsend.....	Freight and express charges.....	1.10
	H. B. Hersey.....	Drayage, etc.....	6.50
	J. L. Cline.....	Station expenses.....	3.00
	D. C. Grunow.....	Drayage and muelilage.....	1.25
	J. W. Cronk.....	Drayage and oil.....	2.70
	E. A. Evans.....	Drayage.....	14.15
	L. C. Collins.....	Services.....	20.00
	C. P. Searle.....	do.....	30.00
	H. Hamilton.....	do.....	30.00
	N. W. Wagner.....	do.....	21.00
	A. J. Tribble.....	do.....	14.00
	C. P. Disney.....	do.....	21.00
	T. E. Speight.....	do.....	14.80
	H. Rolle.....	Rent of roof.....	9.00
	Charles Baldwin.....	Office rent.....	112.50
	Michigan State Telephone Co.....	Telephone services.....	12.00
	The Tyrell County Telephone Co.....	do.....	14.60
	Southern Bell Telephone and Telegraph Co.....	do.....	18.00
	Williston Telephone Exchange.....	do.....	6.00
	Michigan State Telephone Co.....	do.....	5.60
	Pennsylvania Telephone Co.....	do.....	11.25
	Consolidated Telephone Co.....	do.....	9.00
	Cumberland Telephone and Telegraph Co.....	do.....	25.90
	Rocky Mountain Bell Telephone Co.....	do.....	1.10
	do.....	do.....	36.60
	F. G. Blaisdell.....	do.....	16.50
	International Ocean Telegraph Co.....	do.....	164.62
	Pacific States Telephone and Telegraph Co.....	do.....	40.10
	Knox Telephone and Telegraph Co.....	do.....	6.50
	Winton Telegraph Co.....	do.....	7.00
	Pacific States Telephone and Telegraph Co.....	do.....	1.00
	United States Express Co.....	Express charges.....	77.89
	City of Lake.....	Electric light.....	7.50
	Huron Village Electric Light Plant.....	do.....	14.40
	New London Gas and Electric Co.....	do.....	3.50
	Fall River Electric Light Co.....	do.....	10.50
	Board of public service, lighting department.....	do.....	3.42
	The Red Wing Gas and Electric Co.....	do.....	7.50
	Frankfort Electric Light Co.....	do.....	12.50
	Gloucester Electric Co.....	do.....	8.55
	New Bedford Gas and Edison Light Co.....	do.....	14.52
	Marble Head municipal light department.....	do.....	2.06
	Narragansett Electric Light Co.....	do.....	8.56
	Rockingham County Light and Power Co.....	do.....	6.30

Expenditures of the Department of Agriculture for fiscal year ending June 30, 1904—Cont'd.

## WEATHER BUREAU, GENERAL EXPENSES—Continued.

Date.	Name.	Nature of payment.	Total.
<i>Supplemental—Continued.</i>			
1904. Aug. 5	Fort Smith Light and Traction Co.	Electric current	\$4.25
	A. J. Knight	do	8.25
	L. E. Scarr	Washing towels	1.50
	F. L. Ewing	Ice	2.25
	Consumers Ice Co.	do	3.02
	G. L. Baum	Repairing telegraph line	2.00
	The Electric Storage Battery Co.	Electrotype metal	1.44
	F. A. Schmidt	Milliographs	125.00
	Pacific Transfer Co.	Drayage	14.51
	H. C. Smith	Repairing telegraph line	2.00
	Remington Typewriter Co.	Repairing typewriter	21.65
	The M. Lindsay Rubber Co.	Tubing	1.50
	W. H. Butler Co.	Paint	100.00
	American Can Co.	Cans	21.53
	J. B. Lambie Co. (Incorporated)	Tools for repairing instruments	11.20
	Schneider Bros.	Castings	1.50
	Columbia Pump and Well Co.	Oil	5.00
	Board of public service, lighting department	Installing storm-warning lamps	2.40
	Wm. H. Dyer	Cable boxes	16.00
	E. F. Sanguinette	Oil, brooms, etc.	10.00
	John Rose & Co.	Gas fixtures	63.36
	L. S. Woodhouse	Horse hire	2.00
	H. J. Ledoux	Water supply	4.80
	M. L. Willis	do	4.50
	W. J. Bennett	Gasoline	1.50
	W. M. McConahay	Repairing clock	.50
	C. E. Johnson & Co.	Ink	360.00
	Western Union Telegraph Co.	Repairing telegraph line	8.60
	American Can Co.	Cans	21.00
	Geo. F. Muth & Co.	Chamois skins	23.50
	The Smith Premier Typewriter Co.	Platen	3.75
	Woodward & Lothrop	Soap, cots, mattresses, etc.	67.13
	Kansas Farmer Co.	Printing climate and crop bulletins	40.00
	J. W. Jordan & Co.	Recasting rollers	2.08
	Marine Journal Co.	Subscription	14.00
	J. A. Roebing's Sons Co.	Wire	19.50
	The Smith Premier Typewriter Co.	Repairing typewriter	22.00
	H. Bockman & Sons	Oil	4.95
	Coston Signal Co. (Incorporated)	Answering signals	33.00
	A. S. Pinney	Painting rain gauge, etc.	3.00
	W. C. Duffield	Cleaning clock	1.00
	Remington Typewriter Co.	Repairing typewriter	16.75
	Faneuil Watch Tool Co.	Index plate	3.00
	Eimer & Amend	Barometer tube	7.50
	The Maurice Joyce Engraving Co.	Photo-engraving plates	13.53
	Atlanta, substations	Pay roll	21.00
	Cairo, substations	do	154.50
	Chatanooga, substations	do	139.70
	Chicago, substations	do	23.20
	Cleveland, substations	do	170.00
	Des Moines, substations	do	236.40
	Duluth, substations	do	91.95
	Galveston, substations	do	410.40
	Houghton, substations	do	36.78
	Kansas City, substations	do	307.80
	Louisville, substations	do	291.20
	Memphis, substations	do	182.40
	do	do	51.00
	Minneapolis, substations	do	336.40
	Mobile, substations	do	72.00
	Omaha, substations	do	45.10
	Philadelphia, substations	do	45.00
	Port Huron, substations	do	162.00
	Portland, Oreg., substations	do	295.50
	Raleigh, substations	do	120.00
	Richmond, substations	do	6.00
	San Francisco, substations	do	87.20
	Sault Ste. Marie, substations	do	82.75
	Sioux City, substations	do	114.00
	Vicksburg, substations	do	85.50
	do	do	89.40
	Wilmington, substations	do	106.40
	do	do	72.00
	Louisville, substations	do	66.00
	San Francisco, substations	do	10.00
	J. B. Lambie Co. (Incorporated)	Lock clocks	2.25
	H. C. Bate	Traveling expenses	2.10
	J. J. O'Donnell	Drayage and washing towels	1.95



Expenditures of the Department of Agriculture for fiscal year ending June 30, 1904—Cont'd.

WEATHER BUREAU, GENERAL EXPENSES—Continued.

Date.	Name.	Nature of payment.	Total.
<i>Supplemental—Continued.</i>			
1904			
Aug. 11	G. W. Felger.....	Drayage.....	\$1.00
	J. Warren Smith.....	Station expenses.....	9.65
	M. E. Shelden.....	Office rent.....	93.75
	Michigan State Telephone Co.....	Telephone service.....	18.00
	Edison Sault Electric Co.....	Electric light.....	16.25
	Detroit and Mackinac Rwy. Co.....	Passenger transportation.....	6.99
	New England Telephone and Telegraph Co.....	Telephone service.....	2.50
	Minneapolis, St. Paul and Sault Ste. Marie Rwy. Co.....	Telegraph services.....	14.72
	Phillips, Smyth & Van Orden.....	Printing climate and crop bulletins.....	135.00
	Board of public works.....	Water supply.....	3.50
	Marais Lumber Co.....	Electric light.....	12.50
	O'Callaghan, Nelson & Co.....	Freight charges.....	1.25
	G. W. Fairbanks.....	River gauge.....	11.00
	J. P. Geary.....	Constructing ground wire.....	30.00
	H. C. Beeson.....	Marine Directory.....	25.00
	E. Morrison Paper Co.....	Paper.....	12.00
	F. E. Hartwell.....	Traveling expenses.....	19.55
	E. D. Emigh.....	do.....	11.14
	W. A. Mitchell.....	Drayage.....	3.30
	R. H. Dean.....	Station expenses.....	4.95
	A. L. Brockway.....	Subsistence.....	2.33
	J. H. Smith.....	Station expenses.....	4.85
	H. McP. Baldwin.....	Express charges.....	3.00
	G. T. Todd.....	Drayage.....	4.25
	D. Cuthbertson.....	Station expenses.....	37.40
	Cumberland Telephone and Telegraph Co.....	Telephone services.....	128.10
	Central District and Printing Telegraph Co.....	Telegraph services.....	4.20
	do.....	do.....	18.00
	Western Union Telegraph Co.....	do.....	17.92
	do.....	do.....	210.20
	The Pennsylvania R. R. Co.....	Passenger transportation.....	112.18
	C. N. Millhollin & Son.....	Ice.....	1.50
	Dennison Manufacturing Co.....	Tags.....	19.18
	Union Envelope Co.....	Envelopes.....	26.40
	Eberhard Faber.....	Rubber bands.....	55.08
	Francis Miller.....	Turpentine.....	28.05
	Galveston, substations.....	Pay roll.....	30.00
	Oklahoma, substations.....	do.....	146.60
	N. D. Lane.....	Drayage and repairing clock.....	3.50
	P. Connor.....	Station expenses.....	12.70
	H. Legler.....	Lamp chimneys and washing towels.....	1.45
	E. C. Hobbs.....	Washing towels, etc.....	7.50
	Peter Wood.....	Glass and drayage.....	2.10
	C. M. Strong.....	Station expenses.....	18.00
	W. E. Oliver.....	Drayage.....	4.50
	J. N. Ryker.....	Electric current.....	6.39
	Tucker Telephone and Telegraph Co.....	Telephone services.....	15.00
	New England Telephone and Telegraph Co.....	do.....	1.05
	Great Northwestern Telegraph Co. of Canada.....	Telegraph services.....	52.16
	do.....	do.....	12.03
	Postal Telegraph Cable Co. of Texas.....	do.....	122.65
	Frank Montgomery.....	Traveling expenses.....	3.85
	Delano & Moore.....	Articles, river and flood service.....	14.14
	J. E. Turton.....	Locks.....	8.50
18	C. F. Schneider.....	Drayage and express charges.....	11.10
	R. B. Harkness.....	Station expenses.....	1.34
	James H. Scarr.....	Post-route map of California and Nevada.....	3.20
	E. W. McGann.....	Station expenses.....	26.80
	G. E. Franklin.....	do.....	15.85
	A. G. McAdie.....	do.....	10.95
	Abe Wiesner.....	Drayage.....	1.00
	R. J. Hyatt.....	Station expenses.....	2.25
	T. J. Considine.....	Drayage.....	.50
	The Texas and Pacific Rwy.....	Passenger transportation.....	30.55
	Pennsylvania Co.....	do.....	11.00
	Grand Trunk Rwy. System.....	do.....	23.23
	Lehigh Valley R. R. Co.....	do.....	6.10
	Pittsburg, Cincinnati, Chicago and St. Louis Rwy. Co.....	do.....	16.00
	The Kansas City Southern Rwy. Co.....	do.....	17.60
	Meteorological Council.....	Compiling telegrams.....	11.07
	A. P. Jones.....	Mail racks.....	20.00
	Thompson & Dunlop.....	Constructing cement walks.....	281.00
	The Maurice Joyce Engraving Co.....	Photo engraving plates.....	4.87
	Queen & Co. (Incorporated).....	Thermometer supports.....	100.00

Expenditures of the Department of Agriculture for fiscal year ending June 30, 1904—Cont'd.

WEATHER BUREAU, GENERAL EXPENSES—Continued.

Date.	Name.	Nature of payment.	Total.
<i>Supplemental—Continued.</i>			
1904.			
Aug. 18	American Type Founders Co.....	Type.....	\$4.56
	Northern Pacific Rwy. Co.....	Passenger transportation.....	84.65
	The Wabash R. R. Co.....	do.....	14.16
	Chicago and Northwestern Rwy. Co.....	do.....	107.22
	The Great Northwestern Telegraph Co. of Canada.....	Telegraph services.....	52.60
	The Atchison Topeka and Santa Fe R. R. Co.....	Passenger transportation.....	73.15
	Snickersville Telephone Co.....	Telephone services.....	5.00
	Galveston, Houston and Northern Rwy. Co.....	Passenger transportation.....	8.10
	Northern Pacific Rwy. Co.....	do.....	28.00
	E. H. Emery.....	Station expenses.....	20.58
	Chicago, Rock Island and Pacific Rwy. Co.....	Freight charges.....	12.84
	do.....	do.....	4.16
	Grand Rapids and Indiana Rwy. Co.....	do.....	4.30
	Boston and Albany R. R.....	do.....	2.83
	C. H. Mallory & Co.....	do.....	1.39
	Port Worth and Denver City Rwy. Co.....	do.....	4.15
	Pennsylvania R. R. Co.....	do.....	13.06
20	E. J. Glass.....	Drayage.....	1.00
	A. McC. Ashley.....	Subsistence and express charges.....	24.15
	The American Syren and Shipping Illustrated.....	Subscription.....	140.00
	Rocky Mountain Bell Telephone Co.....	Telephone services.....	45.60
24	Postal Telegraph Cable Co.....	Telegraph services.....	638.92
	do.....	do.....	223.29
	Burlington Route, Missouri Lines.....	Freight charges.....	3.30
	do.....	do.....	2.43
	do.....	do.....	4.23
	do.....	do.....	2.06
	Atlantic Coast Line R. R. Co.....	do.....	9.47
	do.....	do.....	1.70
	do.....	do.....	3.61
	do.....	do.....	.56
	Grand Rapids and Indiana Rwy. Co.....	do.....	1.74
	do.....	do.....	.70
	do.....	do.....	.59
	Chicago, Burlington and Quincy Rwy. Co.....	do.....	.40
	do.....	do.....	2.04
	Wabash R. R. Co.....	do.....	1.26
	do.....	do.....	2.69
	New Bedford, Marthas Vineyard and Nantucket Steamboat Co.....	do.....	2.28
	do.....	do.....	.70
	do.....	do.....	.70
	The Oregon Short Line R. R. Co.....	do.....	23.65
	do.....	do.....	2.87
	Washington Southern Rwy.....	do.....	.50
	do.....	do.....	1.43
	Charles White.....	do.....	.25
	do.....	do.....	8.50
	Chicago, Milwaukee and St. Paul Rwy. Co.....	do.....	8.40
	do.....	do.....	5.17
	do.....	do.....	2.52
	Duluth, South Shore and Atlantic Rwy. Co.....	do.....	1.06
	do.....	do.....	13.23
	Banks North Carolina Line.....	do.....	3.50
	do.....	do.....	2.50
	Missouri, Kansas and Texas Rwy. Co.....	do.....	6.12
	Union Pacific R. R. Co.....	do.....	2.68
	The Atchison, Topeka and Santa Fe Rwy. Co.....	do.....	67.17
	Southern Rwy. Co.....	do.....	1.13
	Missouri Pacific Rwy. Co.....	do.....	1.82
	The Denver and Rio Grande R. R. Co.....	do.....	3.00
	Baltimore and Ohio R. R. Co.....	do.....	.37
	Norfolk and Southern R. R. Co.....	do.....	20.43
	Virginia and Truckee R. R. Co.....	do.....	.25
	Star Union Line.....	do.....	1.72
	Grand Trunk Rwy. of Canada.....	do.....	.77
	Lake Erie and Western R. R. Co.....	do.....	.64
	Texas and Pacific Rwy. Co.....	do.....	4.38
	Pere Marquette R. R. Co.....	do.....	.60
	New York, New Haven and Hartford R. R. Co.....	do.....	41.81
	San Antonio and Aransas Pass Rwy. Co.....	do.....	11.17
	The Hocking Valley Rwy. Co.....	do.....	.51
	The Pacific and Idaho Northern R. R. Co.....	do.....	3.69
	Town of New Shoreham.....	do.....	6.10
	G. K. Rollinson, master, schooner Maggie E. Davis.....	do.....	5.00
	St. Louis Southwestern Rwy. Co.....	do.....	2.14

Expenditures of the Department of Agriculture for fiscal year ending June 30, 1904—Cont'd.

## WEATHER BUREAU, GENERAL EXPENSES—Continued.

Date.	Name.	Nature of payment.	Total.
<i>Supplemental—Continued.</i>			
1904.	Munsing Rwy. Co.	Freight charges	\$11.63
Aug. 24	International and Great Northern R. R. Co.	do.	5.40
	Delaware and Hudson Co.	do.	3.61
	Albany and Northern Rwy. Co.	do.	1.27
	Atlantic and North Carolina R. R. Co.	do.	.62
	Boulton, Bliss & Dallett	do.	.84
	O'Callaghan, Nelson & Co.	do.	2.00
	The Pullman Co.	Sleeping-car berth	18.00
	W. R. Morton	Drayage	.18
	do.	do.	2.51
	do.	do.	.13
	do.	do.	1.16
	Wm. J. Crawford	do.	2.70
	do.	do.	2.70
	James Hayden	do.	1.46
	St. Louis Transfer Co.	do.	1.44
31	Estate of Levi Johnson, deceased	Services	6.30
	E. C. Vose	Station expenses	16.60
	Swayze, Bailey & Co.	Carbon paper	23.50
	Henry Cleveland	Grading and sodding lawn	545.00
	T. F. Drake	Subsistence	4.75
	Western Union Telegraph Co.	Telegraph services	15,003.52
Sept. 5	Burlington and Missouri River R. R. in Nebraska.	Freight charges	5.83
	do.	do.	.38
	do.	do.	22.46
	do.	do.	2.84
	do.	do.	17.88
	do.	do.	1.89
	Southern Rwy. Co.	do.	28.09
	do.	do.	1.38
	do.	do.	1.32
	do.	do.	1.68
	Cleveland, Cincinnati, Chicago and St. Louis Rwy. Co.	do.	4.85
	do.	do.	8.94
	do.	do.	.98
	Missouri, Kansas and Texas Rwy. Co.	do.	1.15
	do.	do.	.58
	Illinois Central R. R. Co.	do.	.74
	do.	do.	2.34
	do.	do.	.95
	do.	do.	.74
	Washington Southern Rwy.	do.	.64
	do.	do.	.25
	Missouri Pacific Rwy. Co.	do.	23.68
	do.	do.	1.18
	do.	do.	13.82
	do.	do.	1.12
	Chicago, Burlington and Quincy Rwy. Co.	do.	.18
	Pennsylvania R. R. Co.	do.	40.61
	Chicago, Milwaukee and St. Paul Rwy. Co.	do.	5.25
	Star Union Line	do.	3.36
	Chicago, Rock Island and Pacific Rwy. Co.	do.	1.50
	Chicago and Northwestern Rwy. Co.	do.	10.71
	Louisville and Nashville R. R. Co.	do.	5.54
	Union Pacific R. R. Co.	do.	1.45
	Grand Rapids and Indiana Rwy. Co.	do.	.63
	The Denver and Rio Grande R. R. Co.	do.	20.46
	Lake Shore and Michigan Southern Rwy. Co.	do.	2.73
	Chesapeake and Ohio Rwy. Co.	do.	.84
	Central of Georgia Rwy. Co.	do.	1.43
	Vicksburg, Shreveport and Pacific Rwy.	do.	1.53
	Virginia and Truckee R. R. Co.	do.	.25
	The Oregon Short Line R. R. Co.	do.	4.46
	Texas and New Orleans R. R. Co.	do.	2.53
	Northern Michigan Transportation Co.	do.	.97
	Delaware, Lackawanna and Western R. R. Co.	do.	.31
	Washington County Rwy. Co.	do.	2.07
	San Pedro, Los Angeles and Salt Lake R. R.	do.	2.72
	Pierre Marquette R. R. Co.	do.	.64
	Washington Southern Rwy. Co.	do.	.90
	Burlington Route, Missouri Lines	do.	3.17
	Central Vermont Rwy. Co.	do.	.80
	Seaboard Air Line Rwy.	do.	.77
	Peninsular and Occidental Steamship Co.	do.	8.94
	West Virginia Central and Pittsburg Rwy. Co.	do.	1.37



Expenditures of the Department of Agriculture for fiscal year ending June 30, 1904—Cont'd.

WEATHER BUREAU, GENERAL EXPENSES—Continued.

Date.	Name.	Nature of payment.	Total.
<i>Supplemental—Continued.</i>			
1904. Sept. 5	New York Central and Hudson River R. R. Co.	Freight charges .....	\$1.79
	John C. Davis.....	.....do.....	2.38
	Littlefield, Alvord & Co.....	Drayage.....	23.16
	.....do.....	.....do.....	30.81
	Aug. Palmquist.....	Construction of river gauge.....	11.00
	B. C. Kadel.....	Traveling expenses.....	36.25
10	Chicago, Rock Island and Pacific Rwy. Co.....	Passenger transportation.....	41.71
	St. Louis and San Francisco R. R. Co.....	.....do.....	3.87
	The Baltimore and Ohio R. R. Co.....	.....do.....	4.34
	New Orleans and Northeastern R. R. Co.....	.....do.....	5.55
	Louisville and Nashville R. R. Co.....	.....do.....	31.55
	Missouri, Kansas and Texas Rwy. Co.....	.....do.....	17.65
	Chicago, Burlington and Quincy R. R. Co.....	.....do.....	1.80
	New York Telephone Co.....	Telephone services.....	11.30
	O. W. Bye.....	Horse hire.....	2.00
	J. C. Goodfellow.....	Fuel.....	3.69
	Nicholas Fish.....	Halliards and lowering flag pole.....	5.08
	Western Union Telegraph Co.....	Rent of telegraph poles.....	10.41
	Simon R. Ball.....	Repairing building and fence.....	126.64
	Cumberland Telephone and Telegraph Co.....	Telephone services.....	54.10
	Amarillo Water, Light and Power Co.....	Electric light.....	15.54
	T. E. Treemole.....	Erecting river gauge.....	12.00
	Norman Upp.....	Repairing storm warning apparatus.....	.75
	Rocky Mountain Bell Telephone Co.....	Telephone services.....	10.50
	New York Laundry Works.....	Towel supply.....	3.00
	W. A. R. Rawle.....	Postage, etc.....	.70
	W. T. Gibson.....	Erecting instrument shelter.....	2.50
	M. A. Harvey.....	Renovating office rooms.....	10.00
	The water department of Atlantic City.....	Water supply.....	14.40
	J. Edward Truton.....	Instrument shelters.....	618.00
	Chicago, Burlington and Quincy Rwy. Co.....	Passenger transportation.....	12.90
	The Oxley-Enos Co.....	Electric light and gas fixtures.....	325.00
	J. Williams.....	Installing anemometer.....	13.50
	The Edison Electric Co.....	Electric light.....	3.78
	Sucesores de J. B. Vicini.....	Office rent.....	360.00
	H. Brooker & Co.....	Gasoline, etc.....	10.25
	E. Rathburn.....	Constructing floors.....	673.95
	Chas. R. Dewing.....	Traveling expenses.....	6.60
	Joseph Haven.....	Care of property.....	9.79
	M. A. Robinson.....	Subsistence.....	28.00
16	Missouri, Kansas and Texas Rwy. Co.....	Passenger transportation.....	37.30
	Illinois Central R. R. Co.....	.....do.....	15.00
	The Baltimore and Ohio R. R. Co.....	.....do.....	88.20
	M. A. Robinson.....	Subsistence.....	20.00
	Roslyn Coal and Coke Co.....	Coal.....	98.00
21	Baltimore and Ohio R. R. Co.....	Freight charges.....	73.62
	Baltimore and Ohio Southwestern.....	.....do.....	9.25
	Baltimore and Ohio R. R. Co.....	.....do.....	29.50
	Pennsylvania R. R. Co.....	.....do.....	11.06
	.....do.....	.....do.....	7.50
	Southern Rwy. Co.....	.....do.....	9.48
	.....do.....	.....do.....	7.14
	.....do.....	.....do.....	1.15
	Chicago and Alton Rwy. Co.....	.....do.....	.22
	.....do.....	.....do.....	.89
	New York Central and Hudson River R. R. Co.....	.....do.....	.94
	.....do.....	.....do.....	.62
	Atlantic Coast Line R. R. Co.....	.....do.....	.57
	.....do.....	.....do.....	1.06
	Northern Pacific Rwy. Co.....	.....do.....	2.10
	.....do.....	.....do.....	3.14
	Illinois Central R. R. Co.....	.....do.....	.71
	.....do.....	.....do.....	.27
	Great Northern Rwy. Co.....	.....do.....	16.76
	Chesapeake and Ohio Rwy. Co.....	.....do.....	5.82
	Cleveland, Cincinnati, Chicago and St. Louis Rwy. Co.....	.....do.....	4.18
	Chicago and Northwestern Rwy. Co.....	.....do.....	11.51
	Chicago, Burlington and Quincy Rwy. Co.....	.....do.....	2.66
	The Denver and Rio Grande R. R. Co.....	.....do.....	13.70
	Chicago, Rock Island and Pacific Rwy. Co.....	.....do.....	1.56
	Minneapolis, St. Paul and Sault Ste. Marie Rwy. Co.....	.....do.....	1.33
	Washington Southern Rwy.....	.....do.....	.91
	Pacific Coast Steamship Co.....	.....do.....	.26

442 EXPENDITURES IN DEPARTMENT OF AGRICULTURE.

Expenditures of the Department of Agriculture for fiscal year ending June 30, 1904—Cont'd.

WEATHER BUREAU, GENERAL EXPENSES—Continued.

Date.	Name.	Nature of payment.	Total.
<i>Supplemental—Continued.</i>			
1904. Sept. 21	Norfolk and Western Rwy .....	Freight charges .....	\$0.87
	Steamer W. C. Bradley .....	do .....	8.26
	James Hayden .....	Drayage .....	2.09
	C. H. Mallory & Co. ....	Freight charges .....	1.27
	W. H. Marvin .....	Repairing river gauge .....	4.00
	M. G. Copeland Co. ....	Flags .....	109.50
	Chas. W. Harris .....	Painting roof, etc. ....	77.00
	Postal Telegraph-Cable Co. ....	Telegraph services .....	612.39
	The Cleveland, Cincinnati, Chicago and St. Louis Rwy. Co. ....	Passenger transportation .....	8.00
	Northern Pacific Rwy. Co. ....	do .....	5.80
	Chicago and Great Western Rwy. Co. ....	do .....	4.80
	John Hefferman .....	Ice .....	6.00
	J. J. O'Donnell .....	Traveling expenses .....	26.50
	Philadelphia, Reading and Pottsville Telegraph Co. ....	Telegraph services .....	.10
	The Marine Review Publishing Co. ....	Subscription .....	84.00
	J. P. Starkweather .....	Constructing river gauge .....	12.00
	Chicago, Rock Island and Pacific Rwy. Co. ....	Telegraph services .....	10.41
	United States Express Co. ....	Express charges .....	37.21
	New Orleans and Northeastern R. R. Co. ....	Passenger transportation .....	5.55
	Peter Gray & Sons .....	Thumb screws .....	3.00
	Justinian Caïre Co. ....	Sheet lead, etc. ....	5.06
30	American DeForest Wireless Telegraph Co. ....	Wireless telegraph instrument .....	1,500.00
	A. J. Heyl .....	Repairing building, Yuma, Ariz .....	100.00
	do .....	Laying floors in building .....	174.00
	Sussfeld Lorsh & Co. ....	Telethermographs .....	685.73
	Hoke Engraving Plate Co. ....	Recoating base plates .....	287.50
	do .....	do .....	287.50
	do .....	do .....	29.50
	The Western Union Telegraph Co. ....	Rent of loop .....	90.00
	J. T. Harper .....	Telegraph services .....	11.06
	Union Carbide Co. ....	Calcium carbide .....	18.75
	Hoke Engraving Plate Co. ....	Recoating base plates .....	25.00
	Western Union Telegraph Co. ....	Telegraph services .....	2.30
	International Ocean Telegraph Co. ....	do .....	72.89
	Delaware and Hudson Co. ....	Freight charges .....	1.04
	Western Union Telegraph Co. ....	Telegraph services .....	14,563.54
	Total .....		93,531.28

RECAPITULATION.

First quarter .....	\$33,742.50
Second quarter .....	91,819.22
Third quarter .....	138,130.75
Fourth quarter .....	101,865.46
Supplemental .....	93,531.28
Total .....	458,589.21

WEATHER BUREAU, GENERAL EXPENSES, SALARIES.

Date.	Name.	Nature of payment.	Total.
1903. July 20	A. Bronson .....	Salary .....	\$6.00
31	N. B. Conger et al. ....	do .....	561.10
	A. F. Sims et al. ....	do .....	237.60
	F. H. Duff et al. ....	do .....	141.50
	J. B. Marbury et al. ....	do .....	424.60
	E. W. McGann et al. ....	do .....	298.20
	R. M. Geddings et al. ....	do .....	171.90
	D. Fisher et al. ....	do .....	160.00
	O. L. Fassig et al. ....	do .....	496.80
	W. E. Donaldson et al. ....	do .....	170.10
	W. A. Mitchell, et al. ....	do .....	146.10
	B. H. Bronson et al. ....	do .....	251.00
	S. M. Blandford et al. ....	do .....	251.00
	J. W. Smith et al. ....	do .....	689.00
	D. Cuthbertson et al. ....	do .....	493.60
	P. H. Smyth et al. ....	do .....	220.70
	C. P. Cronk et al. ....	do .....	160.00
	J. H. Smith et al. ....	do .....	193.70
	L. N. Jesunofsky et al. ....	do .....	237.60

Expenditures of the Department of Agriculture for fiscal year ending June 30, 1904—Cont'd.

## WEATHER BUREAU, GENERAL EXPENSES, SALARIES—Continued.

Date.	Name.	Nature of payment.	Total.
1903.			
July 31	G. R. Oberholzer et al.	Salary	\$141.50
	L. M. Pindell et al.	do	224.00
	H. J. Cox et al.	do	970.40
	S. S. Bassler et al.	do	456.50
	J. Kenealy et al.	do	446.40
	A. E. Hackett et al.	do	222.50
	J. W. Bauer et al.	do	252.80
	J. Warren Smith et al.	do	547.14
	F. Jermin et al.	do	141.50
	J. M. Sherier et al.	do	210.24
	F. H. Brandenburg et al.	do	635.20
	G. M. Chappel et al.	do	422.90
	O. Parker et al.	do	160.00
	H. W. Richardson et al.	do	311.70
	D. C. Murphy et al.	do	131.40
	T. J. Considine et al.	do	220.70
	G. B. Wurtz et al.	do	131.40
	J. L. Cline et al.	do	149.90
	T. S. Collins et al.	do	161.70
	Geo. Reeder et al.	do	210.60
	L. H. Murdoch et al.	do	385.70
	C. F. Schneider et al.	do	328.60
	F. W. Conrad et al.	do	131.40
	L. E. Cover et al.	do	202.20
	E. R. Demain et al.	do	200.40
	A. J. Davis et al.	do	134.70
	M. W. Hayes et al.	do	240.90
	R. B. Harkness et al.	do	131.40
	S. W. Glenn et al.	do	342.00
	W. T. Blythe et al.	do	477.22
	R. G. Allen et al.	do	343.60
	A. J. Mitchell et al.	do	363.90
	R. J. Anderson et al.	do	363.90
	W. U. Simons et al.	do	202.10
	W. M. Fulton et al.	do	247.80
	R. Q. Grant et al.	do	131.40
	R. H. Dean et al.	do	126.10
	G. A. Loveland et al.	do	411.20
	E. B. Richards et al.	do	422.90
	G. E. Franklin et al.	do	257.80
	H. B. Hersey et al.	do	574.50
	G. N. Wilson et al.	do	151.60
	J. R. Weeks et al.	do	131.40
	H. R. Patrick et al.	do	141.50
	T. S. Outram et al.	do	481.70
	W. M. Wilson et al.	do	586.30
	S. C. Emery et al.	do	338.70
	L. A. Denson et al.	do	141.50
	W. M. Dudley et al.	do	171.90
	F. P. Chaffee et al.	do	353.80
	G. E. Grimes et al.	do	124.60
	H. C. Bate et al.	do	515.50
	L. M. Tarr et al.	do	251.00
	I. M. Cline et al.	do	645.30
	E. H. Emery et al.	do	673.95
	J. J. Gray et al.	do	335.20
	W. A. Shaw et al.	do	126.40
	L. A. Welsh et al.	do	311.70
	C. M. Strong et al.	do	328.60
	J. G. Linsley et al.	do	151.60
	B. Bunnemeyer et al.	do	141.50
	E. C. Vese et al.	do	240.90
	T. F. Townsend et al.	do	699.10
	M. E. Blystone et al.	do	210.60
	Geo. Hass Hagen et al.	do	141.50
	F. Ridgway et al.	do	408.93
	E. A. Brown et al.	do	141.50
	E. P. Jones et al.	do	224.00
	E. A. Beals et al.	do	702.90
	J. F. Slaughter et al.	do	171.90
	C. F. von Hermann et al.	do	365.60
	E. A. Evans et al.	do	448.10
	L. M. Dey et al.	do	240.90
	A. Buell et al.	do	220.70
	J. H. Scarr et al.	do	131.40
	F. A. Carpenter et al.	do	141.50
	E. H. Bowie et al.	do	522.20
	W. E. Oliver et al.	do	185.80
	H. C. Cook et al.	do	121.20
	R. M. Hardinge et al.	do	210.60



*Expenditures of the Department of Agriculture for fiscal year ending June 30, 1904—Cont'd.*

WEATHER BUREAU, GENERAL EXPENSES, SALARIES—Continued.

Date.	Name.	Nature of payment.	Total.
1903. July 31	A. G. McAdie et al.....	Salary.....	\$801.90
	R. J. Hyatt et al.....	do.....	336.90
	E. H. Nimmo et al.....	do.....	131.40
	H. B. Boyer et al.....	do.....	240.90
	A. G. Burns et al.....	do.....	170.10
	F. H. Clarke et al.....	do.....	187.00
	J. W. Cronk et al.....	do.....	131.40
	G. N. Salisbury et al.....	do.....	338.70
	U. G. Pursell et al.....	do.....	139.80
	Chas. Stewart et al.....	do.....	180.30
	Wm. G. Burns et al.....	do.....	347.00
	J. S. Hazen et al.....	do.....	141.50
	A. McC. Ashley et al.....	do.....	240.90
	E. C. Hobbs et al.....	do.....	161.70
	F. R. Beahan et al.....	do.....	171.90
	L. H. Daingerfield et al.....	do.....	232.50
	W. S. Currier et al.....	do.....	251.00
	T. B. Jennings et al.....	do.....	240.90
	W. S. Belden et al.....	do.....	298.30
	G. T. Todd et al.....	do.....	139.80
	G. W. Felger et al.....	do.....	171.90
	P. Wood.....	do.....	101.10
	G. W. Edey.....	do.....	101.10
	W. C. McGuiness.....	do.....	84.20
	J. J. O'Donnell.....	do.....	84.20
	H. E. Hobbs.....	do.....	70.80
	W. L. Day.....	do.....	101.10
	G. L. Lovett.....	do.....	25.00
	M. B. Stubbs.....	do.....	70.80
	J. N. Ryker.....	do.....	101.10
	J. W. Byram.....	do.....	101.10
	W. T. Lathrop.....	do.....	84.20
	A. Drinkwater.....	do.....	50.50
	E. D. Emigh.....	do.....	84.20
	C. E. Johnson.....	do.....	60.60
	A. Ashenberger.....	do.....	101.10
	J. M. Paris.....	do.....	28.70
	F. W. Brist.....	do.....	43.48
	N. D. Lane.....	do.....	101.10
	A. H. Bell.....	do.....	101.10
	D. V. Burney.....	do.....	101.10
	R. H. Sullivan.....	do.....	101.10
	W. C. Devereaux.....	do.....	84.20
	C. W. Ling.....	do.....	84.20
	C. C. Garrett.....	do.....	70.80
	H. P. Hardin.....	do.....	84.20
	H. B. Dick.....	do.....	84.20
	F. Z. Gosewisch.....	do.....	101.10
	C. H. Richardson.....	do.....	84.20
	J. J. Doshier.....	do.....	60.60
	G. W. Scott.....	do.....	101.10
	H. F. Alps.....	do.....	84.20
	R. L. Miller.....	do.....	70.80
	M. V. Hanaw.....	do.....	13.00
	H. W. Grasse.....	do.....	84.20
	H. Legler.....	do.....	70.80
	J. H. Kimball.....	do.....	70.80
	A. W. Kennie.....	do.....	25.00
	M. E. Conway.....	do.....	70.80
	J. J. Kelliher.....	do.....	84.20
	J. C. Piercy.....	do.....	101.10
	P. McDonough.....	do.....	101.10
	D. C. Grunow.....	do.....	84.20
	A. H. Thiessen.....	do.....	126.40
	W. W. Thomas.....	do.....	70.80
	Chas. Adie.....	do.....	70.80
	P. De Graw.....	do.....	84.20
	W. D. Maxwell.....	do.....	101.10
	W. D. Maxwell.....	do.....	101.10
	M. Connell.....	do.....	101.10
	Thos. Gibson.....	do.....	84.20
	B. C. Kadel.....	do.....	70.80
	E. C. Thompson.....	do.....	126.40
	W. H. Alexander.....	do.....	101.10
	J. Lopez.....	do.....	40.40
	J. R. Williams.....	do.....	101.10
	W. C. Nielson.....	do.....	16.63
	Stanley Boykin.....	do.....	70.80
	L. Dorman.....	do.....	101.10
	N. R. Taylor.....	do.....	101.10

Expenditures of the Department of Agriculture for fiscal year ending June 30, 1904—Cont'd.

## WEATHER BUREAU, GENERAL EXPENSES, SALARIES—Continued.

Date.	Name.	Nature of payment.	Total.
1903.			
July 31	A. E. Heath.....	Salary	\$60.60
	H. McP. Baldwin.....	do	84.20
	F. Newman.....	do	101.10
	E. J. Glass.....	do	101.10
	J. C. Hayden.....	do	84.20
	J. I. Widmeyer.....	do	101.10
	O. W. Roberts.....	do	101.10
	L. S. Parrott.....	do	60.60
	W. S. Palmer et al.....	do	233.98
	V. F. Harvey.....	do	8.80
	E. H. Hughes.....	do	19.73
	O. C. McCardwell.....	do	24.46
Aug. 6	E. L. Reno.....	do	25.00
12	J. P. Bolton.....	do	101.10
15	J. Paden.....	do	19.00
	H. P. Bray.....	do	13.00
	D. J. Herndon.....	do	22.83
	C. B. Cooper.....	do	27.00
	B. M. Jacobs.....	do	12.23
24	V. O. Westervelt.....	do	17.00
	C. B. Cooper.....	do	3.00
	C. C. Cooper.....	do	6.85
	J. B. Anderson.....	do	1.96
	S. Hackett.....	do	60.60
31	A. F. Sims et al.....	do	237.60
	F. H. Duff et al.....	do	141.50
	R. M. Geddings et al.....	do	171.90
	J. B. Marbury et al.....	do	424.60
	E. W. McGann et al.....	do	298.20
	D. Fisher et al.....	do	160.00
	O. L. Fassig et al.....	do	496.80
	W. A. Mitchell et al.....	do	161.70
	B. H. Bronson et al.....	do	251.00
	S. M. Blandford et al.....	do	251.00
	J. W. Smith et al.....	do	689.00
	D. Cuthbertson et al.....	do	493.60
	P. H. Smyth et al.....	do	220.70
	A. J. Davis et al.....	do	205.50
	J. H. Smith et al.....	do	193.70
	G. R. Oberholzer et al.....	do	141.50
	L. N. Jesunofsky et al.....	do	237.60
	L. M. Pindell et al.....	do	224.00
	W. S. Palmer et al.....	do	227.50
	H. J. Cox et al.....	do	970.40
	S. S. Bassler et al.....	do	456.50
	J. Kenealy et al.....	do	446.40
	J. W. Bauer et al.....	do	252.80
	J. Warren Smith et al.....	do	547.50
	A. E. Hackett et al.....	do	222.50
	F. Jermin et al.....	do	131.40
	J. M. Sherier et al.....	do	210.60
	G. M. Chapel et al.....	do	422.90
	N. B. Conger et al.....	do	561.10
	O. Parker et al.....	do	160.00
	H. W. Richardson et al.....	do	311.70
	D. C. Murphy et al.....	do	131.40
	A. Ashenberger et al.....	do	141.50
	T. J. Considine et al.....	do	234.10
	G. B. Wurtz et al.....	do	131.40
	J. L. Cline et al.....	do	149.90
	T. S. Collins et al.....	do	161.70
	Geo. Reeder et al.....	do	210.60
	L. H. Murdoch et al.....	do	486.80
	C. F. Schneider et al.....	do	328.60
	F. W. Conrad et al.....	do	131.40
	L. C. Cover et al.....	do	206.80
	E. R. Demain et al.....	do	200.40
	S. L. Doshier et al.....	do	134.70
	M. W. Hayes et al.....	do	240.90
	R. B. Harkness et al.....	do	131.40
	S. W. Glenn et al.....	do	240.90
	W. T. Blythe et al.....	do	458.20
	R. G. Allen et al.....	do	343.60
	A. J. Mitchell et al.....	do	363.90
	P. Connor et al.....	do	363.90
	W. U. Simons et al.....	do	161.70
	W. M. Fulton et al.....	do	247.80
	R. Q. Grant et al.....	do	131.40
	G. A. Loveland et al.....	do	412.80

*Expenditures of the Department of Agriculture for fiscal year ending June 30, 1904—Cont'd.*

WEATHER BUREAU, GENERAL EXPENSES, SALARIES—Continued.

Date.	Name.	Nature of payment.	Total.
1903.			
Aug. 31	E. B. Richards et al.	Salary	\$422.90
	G. E. Franklin et al.	do	257.80
	H. B. Hersey et al.	do	574.50
	G. N. Wilson et al.	do	151.60
	J. R. Weeks et al.	do	131.40
	H. R. Patrick et al.	do	141.50
	S. C. Emery et al.	do	338.70
	L. A. Denson et al.	do	141.50
	W. M. Wilson et al.	do	515.50
	T. S. Outram et al.	do	481.70
	W. M. Dudley et al.	do	171.90
	F. P. Chaffee et al.	do	353.80
	G. E. Grimes et al.	do	124.60
	H. C. Bate.	do	444.70
	L. M. Tarr et al.	do	251.00
	I. M. Cline et al.	do	645.30
	E. H. Emery et al.	do	729.40
	J. J. Gray et al.	do	321.80
	W. A. Shaw et al.	do	126.40
	C. M. Strong et al.	do	328.60
	L. A. Welsh et al.	do	311.70
	J. G. Linsley et al.	do	151.60
	E. C. Vose et al.	do	240.90
	B. Bunnemeyer et al.	do	141.50
	T. F. Townsend et al.	do	699.10
	M. E. Blystone et al.	do	210.60
	F. Ridgway et al.	do	394.30
	E. A. Brown et al.	do	141.50
	E. P. Jones et al.	do	224.00
	E. A. Beals et al.	do	702.50
	J. P. Slaughter et al.	do	171.90
	C. F. von Herrmann et al.	do	365.60
	L. M. Dey et al.	do	240.90
	J. H. Scarr et al.	do	131.40
	L. H. Daingerfield et al.	do	370.60
	W. E. Oliver et al.	do	185.30
	A. Buell et al.	do	220.70
	F. A. Carpenter et al.	do	141.50
	H. C. Cook et al.	do	121.20
	A. G. McAdie et al.	do	801.90
	E. H. Nimmo.	do	101.10
	R. M. Hardinge et al.	do	210.60
	R. J. Hyatt et al.	do	336.90
	A. G. Burns et al.	do	170.10
	H. B. Boyer et al.	do	228.67
	F. H. Clarke et al.	do	217.30
	G. N. Salisbury et al.	do	338.70
	J. W. Cronk et al.	do	131.40
	U. G. Purssell et al.	do	139.80
	Chas. Stewart et al.	do	180.30
	W. G. Burns et al.	do	347.00
	J. S. Hazen et al.	do	141.50
	A. McC. Ashley et al.	do	240.90
	E. C. Hobbs et al.	do	152.45
	N. R. Taylor et al.	do	141.50
	F. R. Beahan et al.	do	171.90
	W. S. Currier et al.	do	251.00
	W. S. Belden et al.	do	298.30
	G. T. Todd et al.	do	139.80
	W. G. Felger et al.	do	171.90
	F. H. Brandenburg et al.	do	635.20
	R. H. Dean et al.	do	126.10
	T. B. Jennings et al.	do	240.90
	G. W. Eddy.	do	101.10
	Peter Wood.	do	101.10
	W. C. McGuinness.	do	101.10
	H. E. Hobbs.	do	70.80
	W. L. Day.	do	101.10
	J. J. O'Donnell.	do	84.20
	C. P. Cronk.	do	105.98
	G. L. Lovett.	do	25.00
	M. B. Stubbs.	do	70.80
	J. N. Ryker.	do	101.10
	J. W. Byram.	do	101.10
	W. T. Lathrop.	do	84.20
	A. Drinkwater.	do	50.50
	E. D. Emigh.	do	84.20
	C. E. Johnson.	do	60.60
	N. D. Lane.	do	101.10



Expenditures of the Department of Agriculture for fiscal year ending June 30, 1904—Cont'd.

## WEATHER BUREAU, GENERAL EXPENSES, SALARIES—Continued.

Date.	Name.	Nature of payment.	Total.
1903.			
Aug. 31	A. H. Bell.....	Salary.....	\$101.10
	E. L. Renoe.....	do.....	25.00
	J. P. Bolton.....	do.....	101.10
	R. H. Sullivan.....	do.....	101.10
	W. C. Devereaux.....	do.....	84.20
	C. W. Ling.....	do.....	84.20
	D. P. McCallum.....	do.....	101.10
	C. C. Garrett.....	do.....	70.80
	H. P. Hardin.....	do.....	84.20
	H. B. Dick.....	do.....	84.20
	F. Z. Gosewisch.....	do.....	101.10
	J. J. Doshier.....	do.....	60.60
	G. W. Scott.....	do.....	101.10
	H. F. Alps.....	do.....	84.20
	A. W. Kennie.....	do.....	25.00
	F. W. Fischer.....	do.....	12.72
	J. H. Kimball.....	do.....	70.80
	H. W. Grasse.....	do.....	84.20
	H. Legler.....	do.....	70.80
	E. H. Hughes.....	do.....	55.60
	J. A. Balster.....	do.....	55.60
	M. E. Conway.....	do.....	70.80
	L. S. Parrott.....	do.....	60.60
	J. J. Kelliher.....	do.....	84.20
	J. C. Piercy.....	do.....	101.10
	P. McDonough.....	do.....	101.10
	J. T. Patterson.....	do.....	40.40
	D. C. Grunow.....	do.....	84.20
	A. H. Thiessen.....	do.....	126.40
	W. W. Thomas.....	do.....	70.80
	Chas. Adie.....	do.....	70.80
	Paul DeGraw.....	do.....	84.20
	W. D. Maxwell.....	do.....	101.10
	M. Connell.....	do.....	101.10
	Thos. Gibson.....	do.....	84.20
	E. H. Bowie.....	do.....	151.60
	J. Lopez.....	do.....	40.40
	E. C. Thompson.....	do.....	126.40
	C. H. Richardson.....	do.....	84.20
	J. R. Williams.....	do.....	101.10
	B. C. Kadel.....	do.....	70.80
	L. Dorman.....	do.....	101.10
	S. Boykin.....	do.....	70.80
	A. E. Heath.....	do.....	60.60
	F. Newman.....	do.....	101.10
	E. J. Glass.....	do.....	101.10
	J. C. Hayden.....	do.....	84.20
	J. L. Widmeyer.....	do.....	101.10
	O. W. Roberts.....	do.....	101.10
	S. Hackett.....	do.....	60.60
	W. E. Donaldson et al.....	do.....	170.10
	E. A. Evans et al.....	do.....	372.01
Sept. 9	H. P. Bray.....	do.....	21.00
	J. Paden.....	do.....	26.00
	H. McP. Baldwin.....	do.....	84.20
	M. A. Robinson.....	do.....	70.80
	J. J. Quantz.....	do.....	69.33
	Geo. Hass Hagen et al.....	do.....	141.50
	J. M. Watson et al.....	do.....	131.40
	E. C. Nimmo.....	do.....	30.00
15	D. V. Burney.....	do.....	29.85
30	P. Wood.....	do.....	97.80
	A. Brand.....	do.....	97.80
	W. C. McGuiness.....	do.....	97.80
	H. B. Wren.....	do.....	52.99
	H. E. Hobbs.....	do.....	68.40
	W. L. Day.....	do.....	97.80
	J. J. O'Donnell.....	do.....	81.60
	W. G. Wilson.....	do.....	49.00
	L. A. Judkins.....	do.....	97.80
	M. B. Stubbs.....	do.....	68.40
	J. N. Ryker.....	do.....	97.80
	H. C. Howe.....	do.....	97.80
	J. W. Byram.....	do.....	97.80
	W. T. Lathrop.....	do.....	81.60
	J. A. Barwick.....	do.....	2.72
	E. D. Emigh.....	do.....	81.60
	C. E. Johnson.....	do.....	58.80
	A. H. Bell.....	do.....	97.80
	J. P. Bolton.....	do.....	97.80

*Expenditures of the Department of Agriculture for fiscal year ending June 30, 1904—Cont'd.*

WEATHER BUREAU, GENERAL EXPENSES, SALARIES—Continued.

Date.	Name.	Nature of payment.	Total.
1903. Sept. 30	R. H. Sullivan.....	Salary.....	\$97.80
	W. C. Devereaux.....	do.....	81.60
	C. W. Ling.....	do.....	81.60
	C. C. Garrett.....	do.....	68.40
	H. P. Hardin.....	do.....	81.60
	H. B. Dick.....	do.....	81.60
	F. Z. Gosewisch.....	do.....	97.80
	J. J. Doshier.....	do.....	58.80
	H. F. Alps.....	do.....	81.60
	H. R. Patrick.....	do.....	97.80
	A. W. Kennie.....	do.....	25.00
	J. H. Kimball.....	do.....	68.40
	H. W. Grasse.....	do.....	81.60
	H. Legler.....	do.....	68.40
	J. A. Balster.....	do.....	53.80
	E. H. Hughes.....	do.....	53.80
	M. E. Conway.....	do.....	68.40
	L. S. Parrott.....	do.....	58.80
	J. J. Kelliher.....	do.....	81.60
	J. C. Piercy.....	do.....	97.80
	P. McDonough.....	do.....	97.80
	D. C. Grunow.....	do.....	81.60
	W. W. Thomas.....	do.....	68.40
	A. H. Thiessen.....	do.....	122.20
	Charles Adie.....	do.....	68.40
	P. DeGraw.....	do.....	81.60
	A. P. Hamlin.....	do.....	58.80
	E. C. Thompson.....	do.....	122.20
	J. Lopez.....	do.....	39.20
	J. R. Williams.....	do.....	97.80
	C. H. Richardson.....	do.....	81.60
	B. C. Kadel.....	do.....	68.40
	J. C. Hallock.....	do.....	23.48
	L. Dorman.....	do.....	97.80
	S. Boykin.....	do.....	68.40
	A. E. Heath.....	do.....	58.80
	H. McP. Baldwin.....	do.....	81.60
	F. Newman.....	do.....	97.80
	J. C. Hayden.....	do.....	81.60
	J. I. Widmeyer.....	do.....	97.80
	O. W. Roberts.....	do.....	97.80
	D. P. McCallum.....	do.....	97.80
	A. F. Sims et al.....	do.....	228.80
	J. B. Marbury et al.....	do.....	313.00
	E. W. McGann et al.....	do.....	190.80
	D. Fisher et al.....	do.....	155.00
	O. L. Fassig et al.....	do.....	369.59
	W. A. Mitchell et al.....	do.....	156.60
	B. H. Bronson et al.....	do.....	243.00
	S. M. Blandford et al.....	do.....	243.00
	J. W. Smith et al.....	do.....	667.00
	D. Cuthbertson et al.....	do.....	477.80
	P. H. Smyth et al.....	do.....	174.40
	A. J. Davis et al.....	do.....	150.00
	J. H. Smith et al.....	do.....	187.60
L. N. Jesunofsky et al.....	do.....	229.80	
L. M. Pindell et al.....	do.....	217.00	
W. S. Palmer et al.....	do.....	220.00	
H. J. Cox et al.....	do.....	939.20	
S. S. Bassler et al.....	do.....	442.00	
J. Kenealy et al.....	do.....	432.20	
A. E. Hackett et al.....	do.....	215. 0	
J. W. Bauer et al.....	do.....	244.40	
F. Jerrin et al.....	do.....	127.20	
J. M. Sherier et al.....	do.....	203.80	
F. H. Brandenburg et al.....	do.....	533.00	
G. M. Chappel et al.....	do.....	409.20	
N. B. Conger et al.....	do.....	542.80	
O. Parker et al.....	do.....	155.00	
H. W. Richardson et al.....	do.....	301.60	
D. C. Murphy et al.....	do.....	127.20	
G. B. Wurtz et al.....	do.....	127.20	
J. L. Cline et al.....	do.....	145.20	
T. S. Collins et al.....	do.....	156.60	
G. Reeder et al.....	do.....	203.80	
L. H. Murdoch et al.....	do.....	471.40	
C. F. Schneider et al.....	do.....	317.80	
F. W. Conrad et al.....	do.....	127.20	
O. L. Blue et al.....	do.....	97.80	
M. W. Hayes et al.....	do.....	233.20	

Expenditures of the Department of Agriculture for fiscal year ending June 30, 1904—Cont'd

WEATHER BUREAU, GENERAL EXPENSES, SALARIES—Continued.

Date.	Name.	Nature of payment.	Total.
1903. Sept. 30	S. W. Glenn et al.	Salary	\$233.20
	R. G. Allen et al.	do.	352.80
	A. J. Mitchell et al.	do.	352.20
	P. Connor et al.	do.	352.20
	H. C. Cook et al.	do.	117.60
	R. Q. Grant et al.	do.	127.20
	G. A. Loveland et al.	do.	399.40
	E. B. Richards et al.	do.	499.20
	G. E. Franklin et al.	do.	249.40
	G. N. Wilson et al.	do.	146.80
	S. C. Emery et al.	do.	327.60
	T. S. Outram et al.	do.	437.20
	W. M. Dudley et al.	do.	205.40
	F. P. Chaffee et al.	do.	341.37
	G. E. Grimes et al.	do.	120.80
	H. C. Bate et al.	do.	512.20
	L. M. Tarr et al.	do.	243.00
	I. M. Cline et al.	do.	624.40
	J. J. Gray et al.	do.	311.40
	C. M. Strong et al.	do.	317.80
	L. A. Welsh et al.	do.	301.60
	J. G. Linsley et al.	do.	146.80
	E. C. Vose, et al.	do.	233.20
	B. Bunnemeyer et al.	do.	137.00
	T. F. Townsend et al.	do.	676.80
	Geo. Hass Hagen et al.	do.	137.00
	F. Ridgway et al.	do.	430.40
	E. A. Brown et al.	do.	137.00
	E. P. Jones et al.	do.	217.00
	E. A. Beals et al.	do.	650.00
	J. P. Slaughter et al.	do.	166.20
	C. F. von Herrmann et al.	do.	353.80
	L. M. Dey et al.	do.	233.20
	L. H. Daingerfield et al.	do.	358.80
	W. E. Oliver et al.	do.	179.40
	A. Buell et al.	do.	213.60
	R. J. Hyatt et al.	do.	326.20
	F. A. Carpenter et al.	do.	137.00
	E. H. Nimmo et al.	do.	121.28
	A. G. McAdie et al.	do.	776.20
	R. M. Hardinge et al.	do.	203.80
	A. G. Burns	do.	106.00
	H. B. Boyer et al.	do.	233.20
	F. H. Clarke et al.	do.	210.40
	G. N. Salisbury et al.	do.	327.60
	J. W. Cronk et al.	do.	127.20
	Chas. Stewart et al.	do.	174.40
	W. G. Burns et al.	do.	356.00
	J. S. Hazen et al.	do.	137.00
	A. McC. Ashley et al.	do.	233.20
	L. C. Cover et al.	do.	164.80
	N. R. Taylor et al.	do.	156.60
	F. R. Beahan et al.	do.	166.20
	W. S. Currier et al.	do.	243.00
	W. S. Belden et al.	do.	288.40
	G. T. Todd et al.	do.	135.40
	G. W. Felger et al.	do.	166.20
	F. H. Duff et al.	do.	137.00
	R. M. Geddings et al.	do.	166.20
	J. Warren Smith et al.	do.	520.22
	A. Ashenberger et al.	do.	137.00
	T. J. Considine et al.	do.	226.80
	E. R. Demain et al.	do.	194.20
	S. L. Doshier et al.	do.	130.60
	R. B. Harkness et al.	do.	127.20
	W. M. Fulton et al.	do.	215.00
	H. B. Hersey et al.	do.	556.00
	J. R. Weeks et al.	do.	127.20
	L. A. Denson et al.	do.	137.00
	W. M. Wilson et al.	do.	499.00
	E. H. Emery et al.	do.	667.20
	W. A. Shaw et al.	do.	122.20
	M. E. Blystone et al.	do.	243.00
	J. H. Scarr et al.	do.	127.20
	U. G. Pursell et al.	do.	135.40
	J. M. Watson et al.	do.	127.20
	T. B. Jennings et al.	do.	233.20
	G. W. Eddey	do.	97.80



Expenditures of the Department of Agriculture for fiscal year ending June 30, 1904—Cont'd.

WEATHER BUREAU, GENERAL EXPENSES, SALARIES—Continued.

Date.	Name.	Nature of payment.	Total.
1903. Sept. 30	A. Drinkwater.....	Salary.....	\$49.00
	N. D. Lane.....	do.....	97.80
	E. L. Renoe.....	do.....	25.00
	G. W. Scott.....	do.....	97.80
	E. C. Hobbs.....	do.....	81.60
	W. D. Maxwell.....	do.....	97.80
	E. H. Bowie.....	do.....	146.80
	M. A. Robinson.....	do.....	68.40
	S. Hackett.....	do.....	58.80
	G. L. Lovett.....	do.....	22.50
	E. A. Evans et al.....	do.....	428.28
	W. E. Donaldson et al.....	do.....	164.80
	M. H. Sadler.....	do.....	18.00
	J. R. Frederick.....	do.....	33.51
	W. U. Simons.....	do.....	97.80
	M. Connell.....	do.....	97.80
	Total first quarter.....		117,750.19
Oct. 3	R. H. Dean et al.....	Salary.....	122.80
	Thos. Gibson.....	do.....	81.60
5	E. J. Glass.....	do.....	97.80
	W. T. Blythe et al.....	do.....	394.60
12	G. R. Oberholzer et al.....	do.....	137.00
20	K. H. Patrick.....	do.....	29.00
31	A. F. Sims et al.....	do.....	237.60
	F. H. Duff et al.....	do.....	141.50
	R. M. Geddings et al.....	do.....	171.90
	J. B. Marbury et al.....	do.....	424.60
	E. W. McGann et al.....	do.....	197.10
	O. L. Fassig et al.....	do.....	436.20
	W. A. Mitchell et al.....	do.....	161.70
	B. H. Bronson et al.....	do.....	251.00
	S. M. Blandford et al.....	do.....	251.00
	J. W. Smith et al.....	do.....	689.00
	D. Cuthbertson et al.....	do.....	493.60
	P. H. Smyth et al.....	do.....	180.30
	A. J. Davis et al.....	do.....	205.50
	J. H. Smith et al.....	do.....	193.70
	L. N. Jesunofsky et al.....	do.....	237.60
	G. R. Oberholzer et al.....	do.....	141.50
	L. M. Pindell et al.....	do.....	224.00
	W. S. Palmer et al.....	do.....	227.50
	H. J. Cox et al.....	do.....	970.40
	S. S. Bassler et al.....	do.....	456.50
	J. Kenealy et al.....	do.....	446.40
	A. E. Hackett et al.....	do.....	222.50
	J. W. Bauer et al.....	do.....	252.80
	J. Warren Smith et al.....	do.....	547.50
	F. Jermin et al.....	do.....	240.90
	J. M. Sherier et al.....	do.....	2106.60
	F. H. Brandenburg et al.....	do.....	621.80
	G. M. Chappell et al.....	do.....	422.90
	N. B. Conger et al.....	do.....	473.40
	O. Parker et al.....	do.....	160.00
	H. W. Richardson et al.....	do.....	311.70
	D. C. Murphy et al.....	do.....	131.40
	A. Ashenberger et al.....	do.....	141.50
	T. J. Considine et al.....	do.....	234.10
	G. B. Wurtz et al.....	do.....	131.40
	A. Brand et al.....	do.....	141.50
	T. S. Collins et al.....	do.....	161.70
	G. Reeder et al.....	do.....	210.60
	L. H. Murdoch et al.....	do.....	486.80
	C. F. Schneider et al.....	do.....	328.60
	F. W. Conrad et al.....	do.....	131.40
	O. L. Blue et al.....	do.....	101.10
	E. R. Demain et al.....	do.....	139.80
	S. L. Doshier et al.....	do.....	134.70
	M. W. Hayes et al.....	do.....	240.90
	R. B. Harkness et al.....	do.....	131.40
	S. W. Glenn et al.....	do.....	342.00
	W. T. Blythe et al.....	do.....	407.70
	R. G. Allen et al.....	do.....	343.60
	A. J. Mitchell et al.....	do.....	363.90
	P. Connor et al.....	do.....	363.90
	W. U. Simons et al.....	do.....	194.91
	W. M. Fulton et al.....	do.....	151.70
	R. Q. Grant et al.....	do.....	131.40

Expenditures of the Department of Agriculture for fiscal year ending June 30, 1904—Cont'd.

## WEATHER BUREAU, GENERAL EXPENSES, SALARIES—Continued.

Date.	Name.	Nature of payment.	Total.
1903. Oct. 31	G. A. Loveland et al.	Salary	\$412.80
	E. B. Richards et al.	do.	422.90
	G. E. Franklin et al.	do.	257.80
	H. B. Hersey et al.	do.	574.50
	G. N. Wilson et al.	do.	151.60
	J. R. Weeks et al.	do.	131.40
	H. R. Patrick et al.	do.	127.51
	S. C. Emery et al.	do.	338.70
	L. A. Denson et al.	do.	141.50
	W. M. Wilson et al.	do.	586.30
	T. S. Outram et al.	do.	451.40
	W. M. Dudley et al.	do.	137.28
	F. P. Chaffee et al.	do.	323.50
	G. E. Grimes et al.	do.	124.60
	H. C. Bate et al.	do.	468.30
	L. M. Tarr et al.	do.	251.00
	I. M. Cline et al.	do.	645.30
	E. H. Emery et al.	do.	688.90
	W. A. Shaw et al.	do.	126.40
	C. M. Strong et al.	do.	328.60
	L. A. Welsh et al.	do.	311.70
	J. G. Linsley et al.	do.	151.60
	E. C. Vose et al.	do.	240.90
	B. Bunnemeyer et al.	do.	141.50
	T. F. Townsend et al.	do.	699.10
	Geo. HassHagen et al.	do.	141.50
	F. Ridgway et al.	do.	444.80
	E. A. Brown et al.	do.	141.50
	E. P. Jones et al.	do.	224.00
	E. A. Beals et al.	do.	631.70
	J. P. Slaughter et al.	do.	171.90
	C. F. von Herrmann et al.	do.	365.60
	E. A. Evans et al.	do.	448.10
	L. M. Dey et al.	do.	240.90
	E. H. Bowie et al.	do.	539.10
	W. E. Oliver et al.	do.	185.30
	J. H. Scarr et al.	do.	131.40
	A. Buell et al.	do.	220.70
	F. A. Carpenter et al.	do.	141.50
	E. H. Nimmo et al.	do.	131.40
	A. G. McAdie et al.	do.	801.90
	R. M. Hardinge et al.	do.	210.60
	H. B. Boyer et al.	do.	240.90
	F. H. Clarke et al.	do.	217.30
	G. N. Salisbury et al.	do.	338.70
	J. W. Cronk et al.	do.	131.40
	U. G. Pursell et al.	do.	139.80
	C. Stewart et al.	do.	180.30
	W. G. Burns et al.	do.	347.00
	J. S. Hazen et al.	do.	141.50
	A. McC. Ashley et al.	do.	240.90
	L. C. Cover et al.	do.	170.10
	N. R. Taylor et al.	do.	161.70
	F. R. Beahan et al.	do.	170.76
	J. M. Watson et al.	do.	131.40
	W. S. Currier et al.	do.	251.00
	T. B. Jennings et al.	do.	240.90
	W. S. Belden et al.	do.	298.30
	G. T. Todd et al.	do.	139.80
	G. W. Felger et al.	do.	171.90
	P. Wood.	do.	101.10
	G. W. Eddy.	do.	101.10
	W. C. McGuiness.	do.	101.10
	H. E. Hobbs.	do.	70.80
	J. J. O'Donnell.	do.	84.20
	W. L. Day.	do.	101.10
	G. L. Lovett.	do.	11.29
	J. W. Byram.	do.	101.10
	A. Drinkwater.	do.	50.50
	M. B. Stubbs.	do.	70.80
	H. C. Howe.	do.	101.10
	W. T. Lathrop.	do.	84.20
	E. D. Emigh.	do.	84.20
	N. D. Lane.	do.	101.10
	A. H. Bell.	do.	101.10
	C. E. Johnson.	do.	60.60
	E. L. Renoe.	do.	25.00
	R. H. Sullivan.	do.	101.10
	W. C. Devereaux.	do.	84.20

*Expenditures of the Department of Agriculture for fiscal year ending June 30, 1904—Cont'd.*

## WEATHER BUREAU, GENERAL EXPENSES, SALARIES—Continued.

Date.	Name.	Nature of payment.	Total.
1903.			
Oct. 31	C. W. Ling .....	Salary .....	\$84.20
	C. C. Garrett .....	do .....	70.80
	H. P. Hardin .....	do .....	84.20
	H. B. Dick .....	do .....	84.20
	J. J. Doshier .....	do .....	60.60
	F. Z. Gosewisch .....	do .....	101.10
	G. W. Scott .....	do .....	101.10
	H. F. Alps .....	do .....	84.20
	A. W. Kennie .....	do .....	25.00
	E. H. Hughes .....	do .....	55.60
	J. A. Balster .....	do .....	55.60
	H. W. Grasse .....	do .....	84.20
	E. C. Hobbs .....	do .....	84.20
	H. Legler .....	do .....	70.80
	L. S. Parrott .....	do .....	60.60
	J. C. Piercy .....	do .....	101.10
	M. E. Conway .....	do .....	70.80
	J. J. Kelliher .....	do .....	84.20
	P. De Graw .....	do .....	84.20
	C. Adie .....	do .....	70.80
	P. McDonough .....	do .....	101.10
	W. W. Thomas .....	do .....	70.80
	W. D. Maxwell .....	do .....	101.10
	T. Gibson .....	do .....	84.20
	M. Connell .....	do .....	101.10
	C. H. Richardson .....	do .....	84.20
	B. C. Kadel .....	do .....	70.80
	A. G. Burns .....	do .....	109.50
	L. Dorman .....	do .....	52.19
	J. Lopez .....	do .....	40.40
	M. A. Robinson .....	do .....	70.80
	E. C. Thompson .....	do .....	126.40
	H. C. Cook .....	do .....	60.60
	J. R. Williams .....	do .....	101.10
	S. Boykin .....	do .....	70.80
	A. H. Thiessen .....	do .....	126.40
	A. E. Heath .....	do .....	60.60
	H. McP. Baldwin .....	do .....	84.20
	J. C. Hayden .....	do .....	84.20
	J. I. Widmeyer .....	do .....	101.10
	J. N. Ryker .....	do .....	101.10
	O. W. Roberts .....	do .....	101.10
	S. Hackett .....	do .....	60.60
	E. J. Glass .....	do .....	101.10
	R. J. Hyatt et al. ....	do .....	336.90
	J. J. Gray et al. ....	do .....	321.80
	M. E. Blystone et al. ....	do .....	251.00
	R. H. Dean et al. ....	do .....	126.10
	D. Fisher et al. ....	do .....	160.00
	W. E. Donaldson et al. ....	do .....	170.10
	J. F. Voorhees .....	do .....	43.40
Nov. 7	R. Hazzard .....	do .....	45.01
	do .....	do .....	13.50
10	J. P. Bolton .....	do .....	101.10
	F. Newman .....	do .....	101.10
	A. S. Ashley .....	do .....	30.00
	P. Baur .....	do .....	35.00
	W. Layton .....	do .....	15.00
	E. B. Richards .....	do .....	61.14
	W. T. Blythe .....	do .....	12.00
30	A. F. Sims et al. ....	do .....	229.80
	F. H. Duff et al. ....	do .....	137.00
	J. B. Marbury et al. ....	do .....	410.80
	E. W. McGann et al. ....	do .....	190.80
	D. Fisher et al. ....	do .....	155.00
	O. L. Fassig et al. ....	do .....	422.60
	W. A. Mitchell et al. ....	do .....	156.60
	B. H. Bronson et al. ....	do .....	243.00
	S. M. Blandford et al. ....	do .....	243.00
	J. W. Smith et al. ....	do .....	675.61
	D. Cuthbertson et al. ....	do .....	477.80
	P. H. Smyth et al. ....	do .....	174.40
	J. F. Newsom et al. ....	do .....	278.88
	J. H. Smith et al. ....	do .....	187.60
	L. M. Pindell et al. ....	do .....	217.00
	L. N. Jesunofsky et al. ....	do .....	229.80
	G. R. Oberholzer et al. ....	do .....	137.00
	W. S. Palmer et al. ....	do .....	220.00
	H. J. Cox et al. ....	do .....	939.20



Expenditures of the Department of Agriculture for fiscal year ending June 30, 1904—Cont'd.

WEATHER BUREAU, GENERAL EXPENSES, SALARIES—Continued.

Date.	Name.	Nature of payment.	Total.
1903. Nov. 30	S. S. Bassler et al.	Salary	\$142.00
	J. Kenealy et al.	do	414.67
	A. E. Hackett et al.	do	146.60
	J. W. Bauer et al.	do	244.40
	J. Warren Smith et al.	do	530.00
	J. L. Cline et al.	do	127.20
	J. M. Sherier et al.	do	203.80
	F. H. Brandenburg et al.	do	572.00
	G. M. Chappel et al.	do	409.20
	N. B. Conger et al.	do	458.20
	O. Parker et al.	do	155.00
	H. W. Richardson et al.	do	301.60
	D. C. Murphy et al.	do	127.20
	L. Dorman et al.	do	137.00
	T. J. Considine et al.	do	226.80
	G. B. Wurtz et al.	do	137.00
	A. Brand et al.	do	137.00
	T. S. Collins et al.	do	156.60
	G. Reeder et al.	do	203.80
	L. H. Murdoch et al.	do	471.40
	C. F. Schneider et al.	do	317.80
	F. W. Conrad et al.	do	127.20
	F. Jermin et al.	do	166.20
	E. R. Demain et al.	do	203.80
	S. L. Doshier et al.	do	130.60
	M. W. Hayes et al.	do	233.20
	R. B. Harkness et al.	do	127.20
	S. W. Glenn et al.	do	331.00
	W. T. Blythe et al.	do	394.60
	R. G. Allen et al.	do	332.80
	A. J. Mitchell et al.	do	341.37
	P. Connor et al.	do	332.20
	W. U. Simons et al.	do	156.60
	W. M. Fulton et al.	do	146.60
	R. Q. Grant et al.	do	127.20
	R. H. Dean et al.	do	122.80
	G. A. Loveland et al.	do	409.20
	O. C. Burrows et al.	do	287.00
	G. E. Franklin et al.	do	249.40
	H. B. Hersey et al.	do	530.64
	G. N. Wilson et al.	do	146.80
	J. R. Weeks et al.	do	127.20
	H. R. Patrick et al.	do	127.20
	S. C. Emery et al.	do	327.60
	L. A. Denson et al.	do	137.00
	W. M. Wilson et al.	do	367.40
	T. S. Outram et al.	do	407.80
	W. R. Pratt et al.	do	107.60
	F. P. Chaffee et al.	do	313.00
	G. E. Grimes et al.	do	120.80
	H. C. Bate et al.	do	463.20
	L. M. Tarr et al.	do	243.00
	I. M. Cline et al.	do	624.40
	E. H. Emery et al.	do	667.20
	J. J. Gray et al.	do	239.60
	W. A. Shaw et al.	do	122.20
	C. M. Strong et al.	do	327.60
	J. G. Linsley et al.	do	146.80
	E. C. Vose et al.	do	233.20
	B. Bunnemeyer et al.	do	137.00
	T. F. Townsend et al.	do	676.80
	M. E. Blystone et al.	do	243.00
	Geo. Hass Hagen et al.	do	137.00
	F. Ridgway et al.	do	430.40
	E. A. Brown et al.	do	137.00
	E. P. Jones et al.	do	217.00
	E. A. Beals et al.	do	611.60
	J. P. Slaughter et al.	do	166.20
	C. F. von Herrmann et al.	do	383.40
	L. M. Dey et al.	do	233.20
	J. H. Scarr et al.	do	127.20
	E. H. Bowie et al.	do	521.80
	W. E. Oliver et al.	do	179.40
	R. J. Hyatt et al.	do	336.00
	A. Buell et al.	do	213.60
	F. A. Carpenter et al.	do	137.00
	E. H. Nimmo et al.	do	127.20
	A. G. McAdie et al.	do	776.20
	R. M. Hardinge et al.	do	203.80

## 454 EXPENDITURES IN DEPARTMENT OF AGRICULTURE.

Expenditures of the Department of Agriculture for fiscal year ending June 30, 1904—Cont'd.

## WEATHER BUREAU, GENERAL EXPENSES, SALARIES—Continued.

Date.	Name.	Nature of payment.	Total.
1903.			
Nov. 30	A. G. Burns et al.	Salary	\$135.40
	H. B. Boyer et al.	do	233.20
	F. H. Clarke et al.	do	210.40
	G. N. Salisbury et al.	do	327.60
	J. W. Cronk et al.	do	127.20
	U. G. Pursell et al.	do	135.40
	C. Stewart et al.	do	174.40
	W. G. Burns et al.	do	336.00
	J. S. Hazen et al.	do	137.00
	A. McC. Ashley et al.	do	233.20
	L. C. Cover et al.	do	164.80
	N. R. Taylor et al.	do	156.60
	F. R. Beahan et al.	do	166.20
	J. M. Watson et al.	do	127.20
	W. S. Currier et al.	do	243.00
	T. B. Jennings et al.	do	233.20
	W. S. Belden et al.	do	288.40
	G. T. Todd et al.	do	135.40
	G. W. Felger et al.	do	166.20
	G. W. Eddey	do	97.80
	P. Wood	do	97.80
	W. C. McGuiness	do	97.80
	H. E. Hobbs	do	68.40
	W. L. Day	do	97.80
	J. J. O'Donnell	do	81.60
	G. L. Lovett	do	25.00
	M. B. Stubbs	do	68.40
	E. D. Coberly	do	6.85
	J. W. Byram	do	97.80
	H. C. Howe	do	97.80
	W. T. Lathrop	do	81.60
	A. Drinkwater	do	49.00
	E. D. Emigh	do	81.60
	C. E. Johnson	do	58.80
	A. Ashenberger	do	45.65
	A. H. Bell	do	97.80
	J. P. Bolton	do	97.80
	R. H. Sullivan	do	97.80
	W. C. Devereaux	do	81.60
	C. W. Ling	do	81.60
	C. C. Garrett	do	68.40
	H. P. Hardin	do	81.60
	H. B. Dick	do	81.60
	F. Z. Gosewisch	do	97.80
	H. Johnson	do	45.00
	J. J. Doshier	do	58.80
	G. W. Scott	do	97.80
	H. F. Alps	do	81.60
	E. B. Richards	do	61.06
	A. W. Kennie	do	25.00
	E. C. Hobbs	do	81.60
	A. Ashenberger	do	56.52
	H. W. Grasse	do	81.60
	J. A. Balster	do	53.80
	E. H. Hughes	do	53.80
	W. G. Wilson	do	32.70
	H. Legler	do	68.40
	M. E. Conway	do	68.40
	L. S. Parrott	do	58.80
	J. J. Kelliher	do	81.60
	J. C. Piercy	do	97.80
	P. McDonough	do	97.80
	D. C. Grunow	do	81.60
	W. W. Thomas	do	68.40
	C. Adie	do	68.40
	P. DeCraw	do	81.60
	W. D. Maxwell	do	97.80
	M. Connell	do	97.80
	T. Gibson	do	97.80
	H. C. Cook	do	81.60
	M. A. Robinson	do	58.80
	E. C. Thompson	do	68.40
	J. Lopez	do	122.20
	J. R. Williams	do	39.20
	C. H. Richardson	do	97.80
	B. C. Kadel	do	81.60
	N. D. Lane	do	68.40
	A. E. Heath	do	97.80
	H. McP. Baldwin	do	58.80
	F. Newman	do	81.60
		do	97.80

Expenditures of the Department of Agriculture for fiscal year ending June 30, 1904—Cont'd.

## WEATHER BUREAU, GENERAL EXPENSES, SALARIES—Continued.

Date.	Name.	Nature of payment.	Total.
1903.			
Nov. 30	J. C. Hayden	Salary	\$81.60
	J. I. Widmeyer	do	97.80
	O. W. Roberts	do	97.80
	J. N. Ryker	do	97.80
	S. Hackett	do	58.80
	E. L. Renoe	do	25.00
	R. M. Geddings et al.	do	166.20
	W. E. Donaldson et al.	do	164.80
	L. A. Evans et al.	do	433.80
Dec 5	L. A. Welsh et al.	do	301.60
	F. L. Pollock	do	25.00
	W. Layton	do	14.00
	A. H. Thiessen	do	122.20
	E. J. Glass	do	97.80
	S. Boykin	do	22.75
	F. R. Wicks	do	10.81
	P. Baur	do	27.00
	E. I. Chute	do	100.00
22	W. T. Blythe	do	68.00
	A. S. Ashley	do	30.00
	H. M. Hart	do	13.75
	W. C. Irwin	do	11.00
31	A. F. Sims et al.	do	237.60
	R. M. Geddings et al.	do	171.90
	J. B. Marbury et al.	do	424.60
	E. W. McGann et al.	do	166.80
	D. Fisher et al.	do	160.00
	O. L. Fassig et al.	do	436.20
	W. A. Mitchell et al.	do	161.70
	B. H. Bronson et al.	do	251.00
	S. M. Blandford et al.	do	251.00
	J. W. Smith et al.	do	690.27
	D. Cuthbertson et al.	do	493.60
	J. F. Newsom et al.	do	289.70
	J. H. Smith et al.	do	193.70
	L. N. Jesunofsky et al.	do	237.60
	G. R. Oberholzer et al.	do	141.50
	L. M. Pindell et al.	do	224.00
	W. S. Palmer et al.	do	227.50
	H. J. Cox et al.	do	970.40
	S. S. Bassler et al.	do	456.50
	J. Kenealy et al.	do	436.20
	A. E. Hackett et al.	do	222.50
	J. W. Bauer et al.	do	266.20
	J. Warren Smith et al.	do	547.50
	J. L. Cline et al.	do	131.40
	J. M. Sherier et al.	do	210.60
	F. H. Brandenburg et al.	do	621.80
	G. M. Chappel et al.	do	422.90
	N. B. Conger et al.	do	473.40
	O. Parker et al.	do	160.00
	H. W. Richardson et al.	do	311.70
	D. C. Murphy et al.	do	131.40
	G. B. Wurtz et al.	do	141.50
	A. Brand et al.	do	141.50
	T. S. Collins et al.	do	161.70
	G. Reeder et al.	do	210.60
	L. H. Murdoch et al.	do	486.80
	C. F. Schneider et al.	do	328.60
	F. W. Conrad et al.	do	131.40
	F. Jermin et al.	do	171.90
	E. R. Demain et al.	do	210.60
	S. L. Doshier et al.	do	134.70
	M. W. Hayes et al.	do	240.90
	R. B. Harkness et al.	do	131.40
	S. W. Glenn et al.	do	240.90
	W. T. Blythe et al.	do	501.00
	R. G. Allen et al.	do	343.60
	A. J. Mitchell et al.	do	353.80
	P. Connor et al.	do	363.90
	W. M. Fulton et al.	do	151.70
	R. Q. Grant et al.	do	131.40
	R. H. Dean et al.	do	126.10
	G. A. Loveland et al.	do	422.90
	E. B. Richards et al.	do	422.90
	G. E. Franklin et al.	do	318.40
	G. N. Wilson et al.	do	151.60
	J. R. Weeks et al.	do	131.40
	H. R. Patrick et al.	do	131.40
	S. C. Emery et al.	do	338.70



Expenditures of the Department of Agriculture for fiscal year ending June 30, 1904—Cont'd.

WEATHER BUREAU, GENERAL EXPENSES, SALARIES—Continued.

Date.	Name.	Nature of payment.	Total.
1903. Dec. 31	L. A. Denson et al. ....	Salary.....	\$141.50
	W. M. Wilson et al. ....	do.....	515.50
	T. S. Outram et al. ....	do.....	421.10
	A. Ashenberger et al. ....	do.....	220.70
	F. P. Chaffee et al. ....	do.....	323.50
	G. E. Grimes et al. ....	do.....	124.60
	H. C. Bate et al. ....	do.....	478.40
	L. M. Tarr et al. ....	do.....	251.00
	I. M. Cline et al. ....	do.....	593.67
	E. H. Emery et al. ....	do.....	688.90
	J. J. Gray et al. ....	do.....	247.70
	W. A. Shaw et al. ....	do.....	126.40
	C. M. Strong et al. ....	do.....	338.70
	L. A. Welsh et al. ....	do.....	311.70
	J. G. Linsley et al. ....	do.....	151.60
	E. C. Vose et al. ....	do.....	240.90
	B. Bunnenmeyer et al. ....	do.....	141.50
	T. F. Townsend et al. ....	do.....	699.10
	M. E. Blystone et al. ....	do.....	210.60
	Geo. Hass Hagen et al. ....	do.....	141.50
	P. Ridgway et al. ....	do.....	425.23
	E. P. Jones et al. ....	do.....	224.00
	E. A. Beals et al. ....	do.....	601.40
	E. A. Brown et al. ....	do.....	141.50
	J. P. Slaughter et al. ....	do.....	171.90
	C. F. von Herrmann et al. ....	do.....	335.20
	E. A. Evans et al. ....	do.....	448.10
	L. M. Dey et al. ....	do.....	240.90
	J. H. Scarr et al. ....	do.....	131.40
	E. H. Bowie et al. ....	do.....	539.10
	W. E. Oliver et al. ....	do.....	185.30
	A. Buell et al. ....	do.....	220.70
	F. A. Carpenter et al. ....	do.....	141.50
	E. H. Nimmo et al. ....	do.....	131.40
	A. G. McAdie et al. ....	do.....	801.90
	R. M. Hardinge et al. ....	do.....	210.60
	R. J. Hyatt et al. ....	do.....	347.00
	A. G. Burns et al. ....	do.....	139.80
	H. B. Boyer et al. ....	do.....	240.90
	F. H. Clarke et al. ....	do.....	217.30
	G. N. Salisbury et al. ....	do.....	338.70
	J. W. Cronk et al. ....	do.....	131.40
	U. G. Pursell et al. ....	do.....	139.80
	C. Stewart et al. ....	do.....	180.30
	W. G. Burns et al. ....	do.....	347.00
	J. S. Hazen et al. ....	do.....	141.50
	A. McC. Ashley et al. ....	do.....	240.90
	L. C. Cover et al. ....	do.....	170.10
	N. R. Taylor et al. ....	do.....	161.70
	F. R. Beahan et al. ....	do.....	171.90
	J. M. Watson et al. ....	do.....	131.40
	W. S. Currier et al. ....	do.....	237.60
	T. B. Jennings et al. ....	do.....	240.90
	W. S. Belden et al. ....	do.....	298.30
	G. T. Todd et al. ....	do.....	139.80
	G. W. Felger et al. ....	do.....	171.90
	W. E. Donaldson et al. ....	do.....	170.10
	T. J. Considine et al. ....	do.....	234.10
	W. U. Simons et al. ....	do.....	161.70
	G. W. Eddey .....	do.....	101.10
	P. Wood .....	do.....	101.10
	R. D. Pettet .....	do.....	35.54
	W. C. McGuiness .....	do.....	101.10
	W. L. Day .....	do.....	101.10
	G. L. Lovett .....	do.....	25.00
	J. W. Byram .....	do.....	101.10
	H. C. Howe .....	do.....	101.10
	E. D. Emigh .....	do.....	84.20
	C. E. Johnson .....	do.....	60.60
	A. H. Bell .....	do.....	101.10
	E. L. Renoe .....	do.....	25.00
	J. P. Bolton .....	do.....	101.10
	R. H. Sullivan .....	do.....	101.10
	W. C. Devereaux .....	do.....	84.20
	C. W. Ling .....	do.....	84.20
	C. C. Garrett .....	do.....	70.80
	H. F. Hardin .....	do.....	84.20
	H. B. Dick .....	do.....	84.20
	F. Z. Gosewisch .....	do.....	101.10

Expenditures of the Department of Agriculture for fiscal year ending June 30, 1904—Cont'd.

## WEATHER BUREAU, GENERAL EXPENSES, SALARIES—Continued.

Date.	Name.	Nature of payment.	Total.
1903. Dec. 31	J. J. Doshier.....	Salary.....	\$60.60
	J. F. Voorhees.....	do.....	52.54
	G. W. Scott.....	do.....	101.10
	H. F. Alps.....	do.....	84.20
	A. W. Kenzie.....	do.....	25.00
	E. C. Hobbs.....	do.....	84.20
	H. McP. Baldwin.....	do.....	84.20
	H. W. Grasse.....	do.....	84.20
	H. Legler.....	do.....	70.80
	J. A. Balster.....	do.....	55.60
	E. H. Hughes.....	do.....	55.60
	M. E. Conway.....	do.....	70.80
	R. T. Lindley.....	do.....	70.80
	L. S. Parrott.....	do.....	60.60
	J. C. Piercy.....	do.....	101.10
	P. McDonough.....	do.....	101.10
	D. C. Grunow.....	do.....	84.20
	W. W. Thomas.....	do.....	70.80
	A. H. Thiessen.....	do.....	126.40
	W. D. Maxwell.....	do.....	101.10
	M. Connell.....	do.....	101.10
	Thos. Gibson.....	do.....	84.20
	E. C. Thompson.....	do.....	126.40
	M. A. Robinson.....	do.....	70.80
	J. Lopez.....	do.....	40.40
	J. R. Williams.....	do.....	101.10
	A. E. Heath.....	do.....	60.60
	D. P. McCallum.....	do.....	101.10
	F. Newman.....	do.....	101.10
	E. J. Glass.....	do.....	101.10
	J. C. Hayden.....	do.....	84.20
	J. I. Widmeyer.....	do.....	101.10
	J. N. Ryker.....	do.....	101.10
	S. Hackett.....	do.....	60.60
	F. H. Duff et al.....	do.....	141.50
	P. H. Smyth et al.....	do.....	208.64
	H. B. Hersey et al.....	do.....	615.89
	A. P. Hamlin et al.....	do.....	109.46
	B. Parry.....	do.....	13.70
	A. Drinkwater.....	do.....	31.30
	do.....	do.....	24.46
	N. D. Lane.....	do.....	101.10
	C. H. Richardson.....	do.....	84.20
	H. Johnson.....	do.....	30.00
	O. W. Roerts.....	do.....	101.10
	L. Dorman et al.....	do.....	125.20
	W. T. Lathrop.....	do.....	84.20
	J. J. Kelliher.....	do.....	84.20
	A. M. Hamrick.....	do.....	2.01
	B. C. Kadel.....	do.....	70.80
	J. J. O'Donnell.....	do.....	84.20
	Total, second quarter.....		117,763.06
1904. Jan. 11	W. G. Wilson.....	Salary.....	50.50
	F. Lewis.....	do.....	27.00
	F. P. Evans.....	do.....	15.65
	C. C. Starkey.....	do.....	39.00
	D. Baxter.....	do.....	30.00
	C. C. Kelley.....	do.....	30.00
	A. C. Ashley.....	do.....	18.00
	C. Adie.....	do.....	54.78
14	G. Harrison.....	do.....	27.00
	C. W. Pike.....	do.....	40.40
18	G. Harrison.....	do.....	2.00
31	A. F. Sims et al.....	do.....	240.10
	F. H. Duff et al.....	do.....	143.10
	J. B. Marbury et al.....	do.....	389.97
	E. W. McGann et al.....	do.....	209.50
	R. M. Geddings et al.....	do.....	173.70
	D. Fisher et al.....	do.....	161.80
	O. L. Fassig et al.....	do.....	441.20
	W. A. Mitchell et al.....	do.....	163.50
	B. H. Bronson et al.....	do.....	253.80
	S. M. Blandford et al.....	do.....	253.80
	J. W. Smith et al.....	do.....	768.30
	D. Cuthbertson et al.....	do.....	499.00
	P. H. Smyth et al.....	do.....	212.90

*Expenditures of the Department of Agriculture for fiscal year ending June 30, 1904—Cont'd.*

## WEATHER BUREAU, GENERAL EXPENSES, SALARIES—Continued.

Date.	Name.	Nature of payment.	Total.
1904.			
Jan. 31	J. F. Newsom et al.	Salary	\$293.00
	J. H. Smith et al.	do	195.90
	L. N. Jesunofsky et al.	do	240.10
	G. R. Oberholzer et al.	do	143.10
	L. M. Pindell et al.	do	226.60
	W. S. Palmer et al.	do	229.90
	H. J. Cox et al.	do	810.80
	S. S. Bassler et al.	do	484.55
	J. Kenealy et al.	do	441.20
	A. E. Hackett et al.	do	224.70
	J. W. Bauer et al.	do	269.10
	J. Warren Smith et al.	do	553.60
	J. L. Cline et al.	do	106.16
	J. M. Sherrier et al.	do	212.90
	F. H. Brandenburg et al.	do	628.40
	G. M. Chappel et al.	do	447.90
	N. B. Conger et al.	do	478.60
	O. Parker et al.	do	161.80
	H. W. Richardson et al.	do	315.10
	D. C. Murphy et al.	do	132.90
	L. Dorman et al.	do	143.10
	T. J. Considine et al.	do	236.80
	G. B. Wurtz et al.	do	143.10
	A. Brand et al.	do	143.10
	T. S. Collins et al.	do	163.50
	Geo. Reeder et al.	do	212.90
	L. H. Murdoch et al.	do	492.30
	C. F. Schneider et al.	do	332.10
	F. W. Conrad et al.	do	132.90
	F. Jermin et al.	do	173.70
	E. R. Demain et al.	do	212.90
	S. L. Doshier et al.	do	136.30
	M. W. Hayes et al.	do	243.60
	R. B. Harkness et al.	do	132.90
	S. W. Glenn et al.	do	243.60
	W. T. Blythe et al.	do	514.40
	R. G. Allen et al.	do	347.50
	A. J. Mitchell et al.	do	357.70
	P. Connor et al.	do	367.90
	W. M. Fulton et al.	do	224.70
	R. Q. Grant et al.	do	132.90
	R. H. Dean et al.	do	127.20
	G. A. Loveland et al.	do	427.50
	E. B. Richards et al.	do	427.50
	G. E. Franklin et al.	do	291.20
	H. B. Hersey et al.	do	570.60
	G. N. Wilson et al.	do	153.30
	H. R. Patrick et al.	do	132.90
	S. C. Emery et al.	do	342.30
	W. M. Wilson et al.	do	592.70
	T. S. Outram et al.	do	425.90
	A. Ashenberger et al.	do	223.10
	F. P. Chaffee et al.	do	357.70
	G. E. Grimes et al.	do	126.10
	H. C. Bate et al.	do	555.30
	L. M. Tarr et al.	do	253.80
	I. M. Cline et al.	do	644.02
	E. H. Emery et al.	do	696.70
	J. J. Gray et al.	do	335.50
	W. A. Shaw et al.	do	127.70
	C. M. Strong et al.	do	342.30
	L. A. Welsh et al.	do	315.10
	J. G. Linsley et al.	do	153.30
	E. C. Vose et al.	do	243.60
	B. Bunne Meyer et al.	do	143.10
	T. F. Townsend et al.	do	706.90
	M. E. Blystone et al.	do	243.60
	G. Hass Hagen et al.	do	143.10
	F. Ridgway et al.	do	449.60
	E. A. Brown et al.	do	143.10
	E. P. Jones et al.	do	226.60
	E. A. Beals et al.	do	608.10
	J. P. Slaughter et al.	do	173.70
	C. F. von Herrmann et al.	do	339.00
	E. A. Evans et al.	do	416.16
	L. M. Dey et al.	do	243.60
	J. H. Scarr et al.	do	132.90
	E. H. Bowie et al.	do	545.10
	W. E. Oliver et al.	do	187.40
	R. G. Hyatt et al.	do	350.90



Expenditures of the Department of Agriculture for fiscal year ending June 30, 1904—Cont'd.

## WEATHER BUREAU, GENERAL EXPENSES, SALARIES—Continued.

Date.	Name.	Nature of payment.	Total
1904.			
Jan 31	A. Buell et al.	Salary	\$223.10
	F. A. Carpenter et al.	do.	143.10
	E. H. Nimmo et al.	do.	132.90
	A. G. McAdie et al.	do.	810.80
	R. M. Hardinge et al.	do.	212.90
	A. G. Burns et al.	do.	141.40
	H. B. Boyer et al.	do.	243.00
	F. H. Clarke et al.	do.	219.70
	G. N. Salisbury et al.	do.	342.30
	J. W. Cronk et al.	do.	132.90
	U. G. Purcell et al.	do.	227.74
	C. Stewart et al.	do.	182.20
	J. S. Hazen et al.	do.	143.10
	W. G. Burns et al.	do.	350.90
	A. McC. Ashley et al.	do.	243.60
	N. R. Taylor et al.	do.	163.50
	J. M. Watson et al.	do.	132.90
	W. S. Currier et al.	do.	240.10
	W. S. Belden et al.	do.	301.40
	G. T. Todd et al.	do.	141.40
	G. W. Felger et al.	do.	173.70
	G. W. Eddy	do.	102.20
	P. Wood	do.	102.20
	W. C. McGuinness	do.	102.20
	W. L. Day	do.	102.20
	G. L. Lovett	do.	25.00
	F. J. Walz	do.	170.30
	H. C. Howe	do.	102.20
	J. W. Byram	do.	102.20
	A. Drinkwater	do.	61.30
	E. D. Emigh	do.	85.20
	J. P. Bolton	do.	102.20
	R. H. Sullivan	do.	102.20
	W. C. Devereaux	do.	85.20
	P. De Graw	do.	85.20
	C. W. Ling	do.	85.20
	H. P. Hardin	do.	85.20
	H. B. Dick	do.	85.20
	F. Z. Gosewisch	do.	102.20
	J. J. Doshier	do.	61.30
	H. F. Alps	do.	85.20
	A. W. Kennie	do.	25.00
	H. W. Grasse	do.	85.20
	H. Legler	do.	71.50
	J. A. Balster	do.	56.20
	E. H. Hughes	do.	56.20
	W. G. Wilson	do.	51.10
	M. E. Conway	do.	71.50
	L. S. Parrott	do.	61.30
	J. J. Kelliher	do.	85.20
	J. C. Piercy	do.	102.20
	P. McDonough	do.	102.20
	D. C. Grunow	do.	85.20
	A. H. Thiessen	do.	127.70
	W. W. Thomas	do.	71.50
	W. D. Maxwell	do.	102.20
	M. Connell	do.	102.20
	T. Gibson	do.	85.20
	J. R. Williams	do.	102.20
	E. C. Thompson	do.	127.70
	M. A. Robinson	do.	71.50
	J. Lopez	do.	40.90
	E. C. Hobbs	do.	85.20
	F. R. Beahan	do.	102.20
	J. J. O'Donnell	do.	85.20
	F. Newman	do.	102.20
	E. J. Glass	do.	102.20
	J. C. Hayden	do.	85.20
	J. I. Widmeyer	do.	102.20
	O. W. Roberts	do.	102.20
	J. N. Ryker	do.	102.20
	S. Hackett	do.	61.30
	C. E. Johnson	do.	61.30
	A. H. Bell	do.	102.20
	G. W. Scott	do.	102.20
	L. G. Sutton	do.	71.50
	A. P. Hamlin	do.	61.30
	W. E. Donaldson et al.	do.	172.00
	W. U. Simons et al.	do.	224.80
	L. A. Denson et al.	do.	143.10

*Expenditures of the Department of Agriculture for fiscal year ending June 30, 1904—Cont'd.*

WEATHER BUREAU, GENERAL EXPENSES, SALARIES—Continued.

Date.	Name.	Nature of payment.	Total.
1904.			
Jan. 31	T. B. Jennings et al.	Salary	\$243.60
	J. A. Barwick	do	41.54
	G. Plogart	do	34.00
	E. L. Renoe	do	25.00
	J. R. Weeks et al.	do	132.90
Feb. 4	A. T. Betzer	do	30.00
	H. McP. Baldwin	do	85.20
	F. Lewis	do	26.00
	A. E. Heath	do	61.30
10	L. C. Cover et al.	do	213.54
	C. C. Garrett	do	71.50
	C. C. Kelley	do	31.50
	C. C. Starkey	do	40.50
	A. J. Kelley	do	30.00
	D. Baxter	do	30.00
	F. P. Evans	do	61.30
	A. W. Dickson	do	48.00
13	N. D. Lane	do	102.20
29	A. F. Sims et al.	do	224.80
	F. H. Duff et al.	do	133.80
	J. B. Marbury et al.	do	334.60
	E. W. McGann et al.	do	196.00
	D. Fisher et al.	do	151.40
	O. L. Fassig et al.	do	412.60
	W. E. Donaldson et al.	do	161.00
	W. A. Mitchell et al.	do	153.00
	B. H. Bronson et al.	do	237.40
	J. W. Smith et al.	do	718.40
	D. Cuthbertson et al.	do	467.00
	P. H. Smyth et al.	do	208.80
	J. F. Newsom et al.	do	274.00
	J. H. Smith et al.	do	183.20
	L. N. Jesunofsky et al.	do	224.80
	G. R. Oberholzer et al.	do	133.80
	L. M. Pindell et al.	do	211.80
	H. J. Cox et al.	do	930.40
	S. S. Bassler et al.	do	489.20
	J. Kenealy et al.	do	412.60
	A. E. Hackett et al.	do	143.60
	J. W. Bauer et al.	do	251.80
	J. W. Smith et al.	do	517.80
	J. M. Sherier et al.	do	199.20
	F. H. Brandenburg et al.	do	588.20
	G. M. Chappel et al.	do	390.40
	N. B. Conger et al.	do	447.80
	O. Parker et al.	do	151.40
	H. W. Richardson et al.	do	294.80
	D. C. Murphy et al.	do	124.20
	L. Dorman et al.	do	133.80
	T. J. Considine et al.	do	221.40
	G. B. Wurtz et al.	do	124.20
	A. Brand et al.	do	199.20
	T. S. Collins et al.	do	153.00
	Geo. Reeder et al.	do	199.20
	L. H. Murdoch et al.	do	460.40
	C. F. Schneider et al.	do	308.42
	F. W. Conrad et al.	do	124.20
	F. Jermin et al.	do	162.60
	E. R. Demain et al.	do	199.20
	M. W. Hayes et al.	do	227.80
	S. W. Glenn et al.	do	227.80
	W. T. Blythe et al.	do	481.20
	R. G. Allen et al.	do	296.40
	A. J. Mitchell et al.	do	344.20
	P. Connor et al.	do	344.20
	R. Q. Grant et al.	do	124.20
	G. A. Loveland et al.	do	400.00
	E. B. Richards et al.	do	400.00
	H. B. Hersey et al.	do	533.80
	G. N. Wilson et al.	do	143.40
	G. E. Franklin et al.	do	272.60
	J. R. Weeks et al.	do	124.20
	H. R. Patrick et al.	do	153.00
	S. C. Emery et al.	do	320.40
	L. A. Denson et al.	do	133.80
	W. M. Wilson et al.	do	554.60
	A. Ashenberger et al.	do	208.80
	F. P. Chaffee et al.	do	334.60
	G. E. Grimes et al.	do	117.80
	H. C. Bate et al.	do	519.40

Expenditures of the Department of Agriculture for fiscal year ending June 30, 1904—Cont'd.

## WEATHER BUREAU, GENERAL EXPENSES, SALARIES—Continued.

Date.	Name.	Nature of payment.	Total.
1904. Feb. 29	L. M. Tarr et al.	Salary	\$237.40
	I. M. Cline et al.	do	610.40
	E. H. Emery et al.	do	613.40
	W. A. Shaw et al.	do	119.60
	L. A. Welsh et al.	do	294.80
	J. G. Linsley et al.	do	143.40
	E. C. Vose et al.	do	227.80
	B. Bunnemeyer et al.	do	133.80
	T. F. Townsend et al.	do	661.20
	M. E. Blystone et al.	do	237.40
	F. Ridgway et al.	do	433.49
	E. A. Brown et al.	do	133.80
	E. P. Jones et al.	do	211.80
	E. A. Beals et al.	do	397.40
	J. F. Slaughter et al.	do	162.00
	C. F. von Herrmann et al.	do	317.00
	L. M. Dey et al.	do	227.80
	J. H. Scarr et al.	do	191.20
	E. H. Bowie et al.	do	509.80
	W. E. Oliver et al.	do	175.20
	R. J. Hyatt et al.	do	323.20
	A. Buell et al.	do	208.80
	F. A. Carpenter et al.	do	133.80
	E. H. Nimmo et al.	do	124.20
	A. G. McAdie et al.	do	748.80
	R. M. Hardinge et al.	do	199.20
	A. G. Burns et al.	do	132.20
	H. B. Boyer et al.	do	227.80
	F. H. Clarke et al.	do	189.86
	U. G. Pursell et al.	do	199.20
	G. N. Salisbury et al.	do	320.40
	Chas. Stewart et al.	do	170.60
	W. G. Burns et al.	do	323.20
	A. McC. Ashley et al.	do	227.80
	L. C. Cover et al.	do	161.00
	N. R. Taylor et al.	do	153.00
	F. R. Beahan et al.	do	153.00
	J. M. Watson et al.	do	133.80
	W. S. Currier et al.	do	224.80
	G. T. Todd et al.	do	132.20
	G. W. Felger et al.	do	162.60
	R. M. Geddings et al.	do	162.60
	S. L. Doshier et al.	do	127.40
	R. B. Harkness et al.	do	124.20
	W. M. Fulton et al.	do	210.60
	Geo. Hass Hagen et al.	do	133.80
	J. S. Hazen et al.	do	133.80
	W. S. Belden et al.	do	282.20
	G. W. Eddey	do	95.60
	P. Wood	do	95.60
	W. F. Lehman	do	37.00
	W. C. McGuiness	do	95.60
	W. L. Day	do	95.60
	W. G. Wilson	do	47.80
	G. L. Lovett	do	25.00
	H. C. Howe	do	95.60
	J. W. Byram	do	95.60
	J. L. Cline	do	95.60
	E. H. Johnson	do	30.00
	A. Drinkwater	do	57.40
	E. D. Emigh	do	79.60
	C. E. Johnson	do	57.40
	A. H. Bell	do	95.60
	J. P. Bolton	do	87.36
	R. H. Sullivan	do	95.60
	P. DeGraw	do	79.60
	C. W. Ling	do	73.08
	C. C. Garrett	do	67.00
	H. P. Hardin	do	79.60
	H. B. Dick	do	79.60
	F. Z. Gosewisch	do	95.60
	J. J. Doshier	do	57.40
	H. F. Alps	do	79.60
	A. W. Kennie	do	25.00
	H. McP. Baldwin	do	79.60
	J. A. Balster	do	52.60
	H. Legler	do	67.00
	M. E. Conway	do	67.00
	L. S. Parrott	do	57.40
	J. J. Kelliher	do	79.60



Expenditures of the Department of Agriculture for fiscal year ending June 30, 1904—Cont'd.

## WEATHER BUREAU, GENERAL EXPENSES, SALARIES—Continued.

Date.	Name.	Nature of payment.	Total.
1904.			
Feb. 29	J. C. Piercy	Salary	\$95.60
	P. McDonough	do	95.60
	D. C. Grunow	do	79.60
	L. G. Sutton	do	67.00
	A. H. Thiessen	do	119.60
	W. W. Thomas	do	67.00
	W. D. Maxwell	do	95.60
	M. Connell	do	95.60
	T. Gibson	do	79.60
	J. Lopez	do	38.20
	M. A. Robinson	do	67.00
	E. C. Thompson	do	119.60
	J. R. Williams	do	95.60
	S. M. Hutton	do	57.40
	E. C. Hobbs	do	79.60
	A. E. Heath	do	57.40
	J. J. O'Donnell	do	79.60
	F. Newman	do	95.60
	E. J. Glass	do	95.60
	J. C. Hayden	do	79.60
	J. I. Widmeyer	do	95.60
	O. W. Roberts	do	95.60
	J. N. Ryker	do	95.60
	E. H. Johnson	do	7.00
	R. M. Luckenbach	do	13.85
	G. W. Scott	do	95.60
	S. Hackett	do	57.40
	W. S. Palmer et al.	do	215.20
	W. U. Simons et al.	do	162.60
	R. H. Dean et al.	do	120.60
	T. S. Outram et al.	do	372.80
	E. A. Evans et al.	do	385.60
	A. P. Hamlin et al.	do	114.80
	J. W. Cronk et al.	do	124.20
	T. B. Jennings et al.	do	227.80
	J. J. Gray et al.	do	314.00
	C. M. Strong et al.	do	320.40
	N. D. Lane	do	95.60
	E. L. Renoe	do	23.28
	E. H. Hughes	do	52.60
	W. C. Devereaux	do	79.60
	C. F. Osborn	do	21.76
	J. W. Lamar	do	48.00
	E. L. Wells et al.	do	117.80
	W. E. Wythe	do	2.00
	F. P. Evans	do	57.40
Mar. 7	S. M. Blandford	do	37.09
	W. W. Carlisle	do	79.60
	H. W. Grasse	do	79.60
	Dahl Baxter	do	36.00
	A. J. Kelley	do	27.00
	C. C. Kelley	do	27.00
	C. C. Starkey	do	36.00
	C. E. King	do	12.25
	F. Horton	do	12.50
15	C. H. Martin	do	5.93
18	E. Bates	do	52.00
	E. H. Hughes	do	16.32
	E. A. Stafford	do	13.00
31	A. F. Sims et al.	do	240.10
	F. Jermin et al.	do	143.10
	R. M. Hardinge et al.	do	173.70
	J. B. Marbury et al.	do	429.20
	E. W. McGann et al.	do	253.80
	D. Fisher et al.	do	161.80
	O. L. Fassig et al.	do	452.39
	W. A. Mitchell et al.	do	139.78
	B. H. Bronson et al.	do	253.80
	E. L. Wells et al.	do	151.60
	J. W. Smith et al.	do	768.30
	D. Cuthbertson et al.	do	478.60
	P. H. Smyth et al.	do	223.10
	J. F. Newsom et al.	do	293.00
	J. H. Smith et al.	do	195.90
	L. N. Jesunofsky et al.	do	240.10
	G. R. Oberholzer et al.	do	143.10
	L. M. Pindell et al.	do	226.60
	W. S. Palmer et al.	do	229.90
	H. J. Cox et al.	do	1,011.80

Expenditures of the Department of Agriculture for fiscal year ending June 30, 1904—Cont'd.

## WEATHER BUREAU, GENERAL EXPENSES, SALARIES—Continued.

Date.	Name.	Nature of payment.	Total.
1904.			
Mar. 31	S. S. Bassler et al.	Salary	\$451.40
	J. Kenealy et al.	do	441.20
	A. E. Hackett et al.	do	224.70
	J. W. Bauer et al.	do	269.10
	J. Warren Smith et al.	do	516.86
	J. L. Cline et al.	do	132.90
	J. M. Sherier et al.	do	212.90
	F. H. Brandenburg et al.	do	628.40
	G. M. Chappel et al.	do	417.30
	N. B. Conger et al.	do	478.60
	O. Parker et al.	do	161.80
	H. W. Richardson et al.	do	315.10
	D. C. Murphy et al.	do	143.10
	L. Dorman et al.	do	143.10
	T. J. Considine et al.	do	236.80
	G. B. Wurtz et al.	do	132.90
	A. Brand et al.	do	212.90
	T. S. Collins et al.	do	163.50
	Geo. Reeder et al.	do	212.90
	L. H. Murdoch et al.	do	502.50
	C. F. Schneider et al.	do	321.90
	T. W. Conrad et al.	do	143.10
	E. R. Demain et al.	do	212.90
	S. L. Doshier et al.	do	136.30
	R. B. Harkness et al.	do	132.90
	S. W. Glenn et al.	do	243.60
	W. T. Blythe et al.	do	514.40
	R. G. Allen et al.	do	316.80
	A. J. Mitchell et al.	do	367.90
	W. M. Fulton et al.	do	199.20
	P. Connor et al.	do	367.90
	W. U. Simons et al.	do	163.50
	R. Q. Grant et al.	do	132.90
	R. H. Dean et al.	do	127.20
	E. B. Richards et al.	do	407.37
	H. B. Hersey et al.	do	611.50
	G. A. Loveland et al.	do	427.50
	G. E. Franklin et al.	do	291.20
	G. N. Wilson et al.	do	153.30
	J. R. Weeks et al.	do	132.90
	H. R. Patrick et al.	do	163.50
	S. C. Emery et al.	do	342.30
	L. A. Denson et al.	do	143.10
	W. M. Wilson et al.	do	592.70
	T. S. Outram et al.	do	470.10
	A. Ashenberger et al.	do	223.10
	F. P. Chaffee et al.	do	357.70
	G. E. Grimes et al.	do	126.10
	L. M. Tarr et al.	do	253.80
	I. M. Cline et al.	do	652.30
	E. H. Emery et al.	do	717.10
	W. A. Shaw et al.	do	127.70
	J. J. Gray et al.	do	335.50
	C. M. Strong et al.	do	356.00
	L. A. Welsh et al.	do	315.10
	J. G. Linsley et al.	do	153.30
	E. C. Vose et al.	do	243.60
	B. Bunnemeyer et al.	do	148.35
	T. F. Townsend et al.	do	706.90
	M. E. Blystone et al.	do	253.80
	Geo. Hass Hagen et al.	do	143.10
	Frank Ridgway et al.	do	480.30
	E. A. Brown et al.	do	143.10
	E. P. Jones et al.	do	226.60
	E. A. Beals et al.	do	638.80
	J. P. Slaughter et al.	do	173.70
	C. F. von Herrmann et al.	do	339.00
	E. A. Evans et al.	do	445.27
	L. M. Dey et al.	do	243.60
	J. H. Scarr et al.	do	204.40
	W. E. Oliver et al.	do	187.40
	R. J. Hyatt et al.	do	350.90
	A. Buell et al.	do	223.10
	F. A. Carpenter et al.	do	143.10
	E. H. Nimmo.	do	102.20
	A. G. McAdie et al.	do	800.60
	R. M. Hardinge et al.	do	212.90
	A. G. Burns et al.	do	141.40
	H. B. Boyer et al.	do	243.60

Expenditures of the Department of Agriculture for fiscal year ending June 30, 1904.—Cont'd.

## WEATHER BUREAU, GENERAL EXPENSES, SALARIES—Continued.

Date.	Name.	Nature of payment.	Total.
1904. Mar. 31	F. H. Clarke et al.	Salary	\$218.67
	G. N. Salisbury et al.	do.	342.30
	J. W. Cronk et al.	do.	132.90
	U. G. Purssell et al.	do.	212.90
	Chas. Stewart et al.	do.	182.20
	J. S. Hazen et al.	do.	143.10
	W. G. Burns et al.	do.	350.90
	A. McC. Ashley et al.	do.	243.60
	L. C. Cover et al.	do.	172.00
	N. R. Taylor et al.	do.	163.50
	F. R. Beahan et al.	do.	163.50
	J. M. Watson et al.	do.	143.10
	W. S. Currier et al.	do.	240.10
	T. B. Jennings et al.	do.	243.60
	W. S. Belden et al.	do.	301.40
	G. T. Todd et al.	do.	151.60
	G. W. Felger et al.	do.	173.70
	W. E. Donaldson et al.	do.	172.00
	H. C. Cooke et al.	do.	132.80
	E. H. Bowie et al.	do.	575.70
	G. W. Eddey.	do.	102.20
	Peter Wood.	do.	102.20
	W. C. McGuinness.	do.	102.20
	W. L. Day.	do.	102.20
	G. L. Lovett.	do.	25.00
	H. C. Howe.	do.	102.20
	J. W. Byram.	do.	102.20
	A. Drinkwater.	do.	61.30
	E. D. Emigh.	do.	85.20
	C. E. Johnson.	do.	61.30
	A. H. Bell.	do.	102.20
	J. A. Barwick.	do.	61.30
	J. P. Bolton.	do.	56.04
	do.	do.	38.46
	R. H. Sullivan.	do.	102.20
	O. L. Blue.	do.	71.50
	M. W. Hayes.	do.	127.70
	P. De Gray.	do.	85.20
	C. W. Ling.	do.	79.00
	C. C. Garrett.	do.	71.50
	H. P. Hardin.	do.	85.20
	H. B. Dick.	do.	85.20
	F. Z. Gosewisch.	do.	102.20
	J. F. Doshier.	do.	61.30
	R. M. Williamson.	do.	14.01
	J. B. Samuel.	do.	13.85
	G. W. Scott.	do.	102.20
	H. F. Alps.	do.	85.20
	A. W. Kennie.	do.	25.00
	H. McP. Baldwin.	do.	85.20
	H. W. Grasse.	do.	85.20
	H. Legler.	do.	71.50
	J. Driscow.	do.	39.56
	B. J. Sherry.	do.	51.10
	M. E. Conway.	do.	71.50
	L. S. Parrott.	do.	61.31
	J. J. Kelliher.	do.	85.20
	J. C. Piercy.	do.	102.20
	P. McDonough.	do.	102.20
	D. C. Grunow.	do.	85.20
	L. G. Sutton.	do.	71.50
	W. W. Thomas.	do.	71.50
	A. H. Thiessen.	do.	127.70
	W. D. Maxwell.	do.	102.20
	M. Connell.	do.	102.20
	T. Gibson.	do.	85.20
	J. Lopez.	do.	40.90
	M. A. Robinson.	do.	71.50
	E. C. Thompson.	do.	127.70
	J. R. Williams.	do.	102.20
	E. C. Hobbs.	do.	85.20
	F. P. Evans.	do.	61.30
	A. E. Heath.	do.	61.30
	J. J. O'Donnell.	do.	85.20
	F. Newman.	do.	102.20
	J. C. Hayden.	do.	85.20
	J. I. Widmeyer.	do.	102.20
	O. W. Roberts.	do.	102.20
	J. N. Ryker.	do.	102.20



Expenditures of the Department of Agriculture for fiscal year ending June 30, 1904—Cont'd.

## WEATHER BUREAU, GENERAL EXPENSES, SALARIES—Continued.

Date.	Name.	Nature of payment.	Total.
1904.			
Mar. 31	S. Hackett.....	Salary.....	\$61.30
	N. D. Lane.....	do.....	102.20
	E. J. Glass.....	do.....	102.20
	J. A. Balster.....	do.....	58.85
	H. C. Bate et al.....	do.....	519.59
	Total third quarter.....		117,952.67
Apr. 8	E. S. Nichols.....	Salary.....	115.90
	G. S. Jones.....	do.....	24.73
	C. C. Starkey.....	do.....	37.50
	A. J. Kelley.....	do.....	30.00
	C. C. Kelley.....	do.....	36.00
	D. Baxter.....	do.....	34.50
15	W. A. Beesley.....	do.....	13.19
18	F. Haxton.....	do.....	27.50
30	A. F. Sims et al.....	do.....	232.40
	F. Jermin et al.....	do.....	138.50
	R. M. Geddings et al.....	do.....	168.10
	J. B. Marbury et al.....	do.....	415.30
	E. W. McGann et al.....	do.....	245.60
	D. Fisher et al.....	do.....	156.60
	O. L. Fassig et al.....	do.....	428.75
	W. E. Donaldson et al.....	do.....	166.40
	W. A. Mitchell et al.....	do.....	128.60
	B. H. Bronson et al.....	do.....	245.60
	E. L. Wells et al.....	do.....	146.70
	J. W. Smith et al.....	do.....	776.40
	D. Cuthbertson et al.....	do.....	463.10
	F. H. Smyth et al.....	do.....	215.90
	J. F. Newsom et al.....	do.....	220.80
	J. H. Smith et al.....	do.....	159.50
	L. N. Jesunofsky et al.....	do.....	232.40
	L. M. Findell et al.....	do.....	189.50
	W. S. Palmer et al.....	do.....	153.30
	H. J. Cox et al.....	do.....	949.35
	S. S. Bassler et al.....	do.....	436.70
	James Kenealy et al.....	do.....	426.80
	A. E. Hackett et al.....	do.....	217.50
	J. W. Bauer et al.....	do.....	260.40
	J. Warren Smith et al.....	do.....	522.40
	J. L. Cline et al.....	do.....	128.60
	J. M. Sherier et al.....	do.....	206.00
	F. H. Brandenburg et al.....	do.....	608.10
	Geo. M. Chappel et al.....	do.....	403.80
	N. B. Conger et al.....	do.....	504.30
	O. Parker et al.....	do.....	156.60
	H. W. Richardson et al.....	do.....	275.20
	D. C. Murphy et al.....	do.....	138.50
	Louis Dorman et al.....	do.....	138.50
	T. J. Considine et al.....	do.....	229.10
	A. Brand et al.....	do.....	206.00
	T. S. Collins et al.....	do.....	158.20
	Geo. Reeder et al.....	do.....	176.30
	L. H. Murdoch et al.....	do.....	486.20
	C. F. Schneider et al.....	do.....	311.50
	F. W. Conrad et al.....	do.....	138.50
	B. L. Waldron et al.....	do.....	168.10
	E. R. Demain et al.....	do.....	206.00
	R. F. Young et al.....	do.....	219.20
	R. B. Harkness et al.....	do.....	128.60
	S. W. Glenn et al.....	do.....	235.70
	W. T. Blythe et al.....	do.....	497.70
	R. G. Allen et al.....	do.....	346.16
	A. J. Mitchell et al.....	do.....	356.00
	P. Connor et al.....	do.....	356.00
	W. U. Simons et al.....	do.....	150.33
	W. M. Fulton et al.....	do.....	222.50
	R. H. Dean et al.....	do.....	123.90
	G. A. Loveland et al.....	do.....	413.70
	E. B. Richards et al.....	do.....	403.80
	G. E. Franklin et al.....	do.....	281.80
	H. B. Hersey et al.....	do.....	591.70
	G. N. Wilson et al.....	do.....	148.40
	H. R. Patrick et al.....	do.....	158.20
	S. C. Emery et al.....	do.....	331.30
	L. A. Denson et al.....	do.....	138.50
	T. S. Outram et al.....	do.....	415.30

*Expenditures of the Department of Agriculture for fiscal year ending June 30, 1904—Cont'd.*

WEATHER BUREAU, GENERAL EXPENSES, SALARIES—Continued.

Date.	Name.	Nature of payment.	Total.
1904.	A. Ashenberger et al.	Salary	\$215.90
Apr. 30	F. P. Chaffee et al.	do	346.10
	G. E. Grimes et al.	do	122.00
	H. C. Bate et al.	do	454.90
	L. M. Tarr et al.	do	245.60
	I. M. Cline et al.	do	621.30
	E. H. Emery et al.	do	693.80
	J. J. Gray et al.	do	337.90
	W. A. Shaw et al.	do	123.60
	C. M. Strong et al.	do	344.50
	L. A. Welsh et al.	do	304.90
	J. G. Linsley et al.	do	148.40
	E. C. Vose et al.	do	235.70
	B. Bunnemeyer et al.	do	148.40
	T. F. Townsend et al.	do	684.00
	Geo. Hass Hagen et al.	do	138.50
	F. Ridgway et al.	do	464.80
	E. P. Jones et al.	do	219.20
	E. A. Beals et al.	do	510.90
	E. A. Brown et al.	do	130.76
	J. P. Slaughter et al.	do	168.10
	C. F. von Herrmann et al.	do	328.00
	E. A. Evans et al.	do	405.87
	L. M. Dey et al.	do	235.70
	J. H. Scarr et al.	do	197.80
	E. H. Bowie et al.	do	557.00
	W. E. Oliver et al.	do	181.30
	R. J. Hyatt et al.	do	299.90
	A. Buell et al.	do	215.90
	F. A. Carpenter et al.	do	138.50
	H. C. Cooke et al.	do	128.50
	E. H. Nimmo et al.	do	128.60
	A. G. McAdie et al.	do	774.60
	R. M. Hardinge et al.	do	206.00
	A. G. Burns et al.	do	146.70
	H. B. Boyer et al.	do	235.70
	F. H. Clarke et al.	do	212.60
	G. N. Salisbury et al.	do	312.80
	J. W. Cronk et al.	do	128.60
	U. G. Pursell et al.	do	206.00
	Charles Stewart et al.	do	176.30
	W. G. Burns et al.	do	339.50
	J. S. Hazen et al.	do	138.50
	A. McC. Ashley et al.	do	235.70
	L. C. Cover et al.	do	166.40
	N. R. Taylor et al.	do	158.20
	F. R. Beahan et al.	do	158.20
	J. M. Watson et al.	do	138.50
	W. S. Currier et al.	do	222.40
	T. B. Jennings et al.	do	235.70
	W. S. Belden et al.	do	291.70
	G. T. Todd et al.	do	146.70
	G. W. Felger et al.	do	168.10
	G. R. Oberholzer et al.	do	138.50
	S. L. Doshier et al.	do	131.90
	R. Q. Grant et al.	do	128.60
	G. W. Eddey	do	98.90
	P. Wood	do	98.90
	W. C. McGuiness	do	98.90
	W. L. Day	do	98.90
	W. G. Wilson	do	26.37
	G. L. Lovett	do	25.00
	H. C. Howe	do	98.90
	J. W. Byram	do	98.90
	A. Drinkwater	do	59.30
	C. E. Ashcraft, jr.	do	69.20
	C. E. Johnson	do	59.30
	A. H. Bell	do	98.90
	J. A. Barwick	do	59.30
	J. P. Bolton	do	98.90
	R. H. Sullivan	do	98.90
	P. De Graw	do	82.40
	C. W. Ling	do	82.40
	C. C. Garrett	do	69.20
	H. P. Hardin	do	82.40
	H. B. Dick	do	82.40
	F. Z. Gosewisch	do	98.90
	J. J. Doshier	do	59.30
	G. W. Scott	do	98.90

Expenditures of the Department of Agriculture for fiscal year ending June 30, 1904—Cont'd.

WEATHER BUREAU, GENERAL EXPENSES, SALARIES—Continued.

Date.	Name.	Nature of payment.	Total.
1904.			
Apr. 30	H. F. Alps .....	Salary .....	\$82.40
	A. W. Kennie .....	do .....	25.00
	H. McP. Baldwin .....	do .....	82.40
	H. W. Grasse .....	do .....	82.40
	H. Legler .....	do .....	69.20
	J. A. Balster .....	do .....	59.30
	B. J. Sherry .....	do .....	49.50
	John Driscow .....	do .....	49.50
	M. E. Conway .....	do .....	69.20
	L. S. Parrott .....	do .....	59.30
	J. J. Kelliher .....	do .....	82.40
	J. C. Piercy .....	do .....	98.90
	P. McDonough .....	do .....	98.90
	D. C. Grunow .....	do .....	82.40
	L. G. Sutton .....	do .....	69.20
	A. H. Thiessen .....	do .....	123.60
	W. W. Thomas .....	do .....	69.20
	A. B. Wollaber .....	do .....	107.10
	W. D. Maxwell .....	do .....	98.90
	M. Connell .....	do .....	98.90
	Thomas Gibson .....	do .....	82.40
	E. C. Thompson .....	do .....	123.60
	J. Lopez .....	do .....	39.60
	J. R. Williams .....	do .....	98.90
	E. C. Hobbs .....	do .....	82.40
	F. P. Evans .....	do .....	59.30
	A. E. Heath .....	do .....	59.30
	J. J. O'Donnell .....	do .....	82.40
	F. Newman .....	do .....	98.90
	E. J. Glass .....	do .....	98.90
	J. C. Hayden .....	do .....	82.40
	J. I. Widmeyer .....	do .....	98.90
	O. W. Roberts .....	do .....	98.90
	J. N. Ryker .....	do .....	98.90
	S. Hackett .....	do .....	59.30
	M. E. Blystone et al. ....	do .....	245.60
	J. R. Weeks et al. ....	do .....	128.60
	W. M. Wilson et al. ....	do .....	543.92
	E. D. Emigh .....	do .....	82.40
	M. W. Hayes .....	do .....	74.18
	N. D. Lane .....	do .....	98.90
May 5	G. B. Wurtz et al. ....	do .....	128.60
	L. Rafter .....	do .....	31.00
11	E. B. Neff .....	do .....	2.00
	do .....	do .....	26.00
	Lester Hamilton .....	do .....	12.00
	C. C. Starkey .....	do .....	36.00
	A. J. Kelley .....	do .....	31.50
	C. C. Kelley .....	do .....	34.50
	Dahl Baxter .....	do .....	34.50
	S. H. Barrett .....	do .....	8.00
	Herbert Townner .....	do .....	18.00
17	W. S. Rouse .....	do .....	11.87
	do .....	do .....	7.00
	W. J. Reynick .....	do .....	7.00
	C. J. Freburger .....	do .....	16.00
21	M. A. Robinson .....	do .....	69.20
31	A. F. Sims et al. ....	do .....	240.20
	F. Jermin et al. ....	do .....	143.00
	R. M. Geddings et al. ....	do .....	173.80
	J. B. Marbury et al. ....	do .....	429.40
	E. W. McGann et al. ....	do .....	253.80
	D. Fisher et al. ....	do .....	161.80
	W. E. Donaldson et al. ....	do .....	172.20
	W. A. Mitchell et al. ....	do .....	132.80
	B. H. Bronson et al. ....	do .....	253.80
	E. L. Wells et al. ....	do .....	151.60
	J. W. Smith et al. ....	do .....	802.20
	D. Cuthbertson et al. ....	do .....	478.80
	P. H. Smyth et al. ....	do .....	182.40
	J. F. Newsom et al. ....	do .....	228.40
	J. H. Smith et al. ....	do .....	196.00
	L. N. Jesunofsky et al. ....	do .....	240.20
	G. R. Oberholzer et al. ....	do .....	143.00
	L. M. Pindell et al. ....	do .....	196.00
	W. S. Palmer et al. ....	do .....	199.40
	H. J. Cox et al. ....	do .....	981.30
	S. S. Bassler et al. ....	do .....	451.60
	J. Kenealy et al. ....	do .....	441.40



Expenditures of the Department of Agriculture for fiscal year ending June 30, 1904—Cont'd.

WEATHER BUREAU, GENERAL EXPENSES, SALARIES—Continued.

Date.	Name.	Nature of payment.	Total.
1904. May 31	A. E. Hackett et al.	Salary	\$225.00
	J. W. Bauer et al.	do.	269.20
	J. Warren Smith et al.	do.	540.20
	J. L. Cline et al.	do.	132.80
	J. M. Sherier et al.	do.	213.00
	F. H. Brandenburg et al.	do.	628.80
	G. M. Chappel et al.	do.	417.40
	N. B. Conger et al.	do.	521.40
	O. Parker et al.	do.	161.80
	D. C. Murphy et al.	do.	143.00
	L. Dorman et al.	do.	143.00
	T. J. Considine et al.	do.	236.80
	G. B. Wurtz et al.	do.	132.80
	A. Brand et al.	do.	213.00
	T. S. Collins et al.	do.	163.60
	G. Reeder et al.	do.	182.40
	L. H. Murdoch et al.	do.	502.60
	C. F. Schneider et al.	do.	322.00
	F. W. Conrad et al.	do.	143.00
	B. L. Waldron et al.	do.	173.80
	S. L. Doshier et al.	do.	136.20
	E. R. Demain et al.	do.	213.00
	R. F. Young et al.	do.	226.60
	R. B. Harkness et al.	do.	132.80
	S. W. Glenn et al.	do.	213.00
	W. T. Blythe et al.	do.	514.60
	R. G. Allen et al.	do.	357.80
	A. J. Mitchell et al.	do.	296.40
	P. Connor et al.	do.	368.00
	W. M. Fulton et al.	do.	230.00
	R. Q. Grant et al.	do.	132.80
	R. H. Dean et al.	do.	127.20
	G. A. Loveland et al.	do.	325.40
	E. B. Richards et al.	do.	417.40
	H. B. Hershey et al.	do.	611.60
	G. E. Franklin et al.	do.	291.40
	G. N. Wilson et al.	do.	153.20
	J. E. Weeks et al.	do.	132.80
	H. R. Patrick et al.	do.	163.60
	S. C. Emery et al.	do.	342.40
	L. A. Denson et al.	do.	143.00
	W. M. Wilson et al.	do.	582.60
	T. S. Outram et al.	do.	429.40
	A. Ashenberger et al.	do.	223.20
	F. P. Chaffee et al.	do.	357.80
	G. E. Grimes et al.	do.	126.00
	H. C. Bate et al.	do.	470.20
	L. M. Tarr et al.	do.	253.80
	I. M. Cline et al.	do.	642.40
	E. H. Emery et al.	do.	717.40
	J. J. Gray et al.	do.	349.20
	W. A. Shaw et al.	do.	127.80
	L. A. Welsh et al.	do.	315.20
	C. M. Strong et al.	do.	356.00
	J. G. Linsley et al.	do.	153.20
	E. C. Vose et al.	do.	243.60
	B. Bunne Meyer et al.	do.	160.88
	T. F. Townsend et al.	do.	707.00
	M. E. Blystone et al.	do.	253.80
	G. Hass Hagen et al.	do.	143.00
	F. Ridgway et al.	do.	480.40
	W. J. Olds et al.	do.	143.00
	E. P. Jones et al.	do.	226.60
	E. A. Beals et al.	do.	603.20
	J. P. Slaughter et al.	do.	173.80
	C. F. von Herrmann et al.	do.	356.00
	E. A. Evans et al.	do.	426.00
	L. M. Dey et al.	do.	243.60
	J. H. Scarr et al.	do.	204.40
	E. H. Bowie et al.	do.	678.20
	W. E. Oliver et al.	do.	187.40
	R. J. Hyatt et al.	do.	340.80
	A. Buell et al.	do.	223.20
	H. C. Cooke et al.	do.	133.00
	E. C. Thompson et al.	do.	240.20
	F. A. Carpenter et al.	do.	143.00
	E. H. Nimmo et al.	do.	132.80
	A. G. McAdie et al.	do.	800.80
	R. M. Hardinge et al.	do.	213.00

Expenditures of the Department of Agriculture for fiscal year ending June 30, 1904—Cont'd.

## WEATHER BUREAU, GENERAL EXPENSES, SALARIES—Continued.

Date.	Name.	Nature of payment.	Total.
1904.			
May 31	A. G. Burns et al.	Salary	\$151.60
	H. B. Boyer et al.	do	243.60
	F. H. Clarke et al.	do	219.80
	G. N. Salisbury et al.	do	301.60
	J. W. Cronk et al.	do	132.80
	U. G. Purssell et al.	do	213.00
	W. G. Burns et al.	do	351.00
	J. S. Hazen et al.	do	143.00
	C. Stewart et al.	do	182.40
	M. R. Sanford et al.	do	115.80
	L. C. Cover et al.	do	172.20
	N. R. Taylor et al.	do	163.60
	F. R. Beahan et al.	do	163.60
	J. M. Watson et al.	do	143.00
	T. B. Jennings et al.	do	243.60
	W. S. Currier et al.	do	240.20
	W. S. Belden et al.	do	301.60
	G. T. Todd et al.	do	151.60
	G. W. Felger et al.	do	173.80
	P. Wood.	do	102.20
	G. W. Eddey.	do	102.20
	W. C. McGuiness.	do	102.20
	J. A. Barry.	do	85.20
	W. L. Day.	do	102.20
	C. L. Lovett.	do	25.00
	H. C. Howe.	do	102.20
	J. W. Byram.	do	102.20
	A. Drinkwater.	do	61.40
	E. D. Emigh.	do	85.20
	C. E. Johnson.	do	61.40
	N. D. Lane.	do	102.20
	A. H. Bell.	do	102.20
	J. A. Barwick.	do	61.40
	L. G. Sutton.	do	71.60
	J. P. Bolton.	do	102.20
	R. H. Sullivan.	do	102.20
	C. W. Ling.	do	85.20
	C. C. Garrett.	do	71.60
	H. P. Hardin.	do	85.20
	H. B. Dick.	do	85.20
	F. Z. Gosewisch.	do	102.20
	W. U. Simons.	do	102.20
	J. J. Doshier.	do	61.40
	G. W. Scott.	do	102.20
	H. F. Alps.	do	85.20
	A. W. Kennie.	do	25.00
	H. W. Grasse.	do	85.20
	J. A. Balster.	do	61.40
	J. Driscow.	do	51.00
	B. J. Sherry.	do	51.00
	H. Legler.	do	71.60
	M. E. Conway.	do	71.60
	L. S. Parrott.	do	61.40
	J. J. Kelliher.	do	85.20
	J. C. Piercy.	do	102.20
	P. McDonough.	do	102.20
	D. C. Grunow.	do	85.20
	A. H. Thiessen.	do	127.80
	W. W. Thomas.	do	71.60
	A. B. Wollaber.	do	110.80
	W. D. Maxwell.	do	102.20
	M. Connell.	do	102.20
	T. Gibson.	do	85.20
	J. R. Williams.	do	102.20
	E. C. Hobbs.	do	85.20
	F. P. Evans.	do	61.40
	A. McC. Ashley.	do	127.80
	A. E. Heath.	do	61.40
	J. J. O'Donnell.	do	85.20
	F. Newman.	do	102.20
	E. J. Glass.	do	102.20
	J. C. Hayden.	do	85.20
	J. I. Widmeyer.	do	102.20
	J. N. Ryker.	do	102.20
	S. Hackett.	do	61.40
	O. L. Fassig et al.	do	344.39
	H. W. Richardson et al.	do	312.29
	H. E. Hobbs.	do	71.60
	S. E. Bond.	do	15.82

470 EXPENDITURES IN DEPARTMENT OF AGRICULTURE.

Expenditures of the Department of Agriculture for fiscal year ending June 30, 1904—Cont'd.

WEATHER BUREAU, GENERAL EXPENSES, SALARIES—Continued.

Date.	Name.	Nature of payment.	Total.
1904.			
June 3	P. W. Knopf.....	Salary.....	\$12.00
	P. DeGraw.....	do.....	85.20
	H. McP. Baldwin.....	do.....	85.20
	O. W. Roberts.....	do.....	102.20
9	D. R. Morris.....	do.....	71.60
	C. Shultz.....	do.....	25.00
	E. M. Dearing.....	do.....	10.00
	D. Baxter.....	do.....	37.50
	C. C. Starkey.....	do.....	36.00
	A. J. Kelley.....	do.....	36.00
	C. C. Kelley.....	do.....	37.50
15	P. Baur.....	do.....	30.00
	Lester Hamilton.....	do.....	26.00
	E. C. Vaughn.....	do.....	5.00
	S. H. Barrett.....	do.....	26.00
	E. W. Holcomb.....	do.....	30.00
	H. C. Finch.....	do.....	18.00
22	J. R. Cole.....	do.....	3.00
30	E. W. Holcomb.....	do.....	6.00
	G. W. Eddey.....	do.....	98.90
	Peter Wood.....	do.....	98.90
	W. C. McGuinness.....	do.....	98.90
	W. L. Day.....	do.....	98.90
	G. L. Lovett.....	do.....	25.00
	P. W. Knopf.....	do.....	12.00
	H. C. Howe.....	do.....	98.90
	J. W. Byram.....	do.....	98.90
	A. Drinkwater.....	do.....	59.30
	E. D. Emigh.....	do.....	82.40
	C. E. Johnson.....	do.....	59.30
	N. D. Lane.....	do.....	98.90
	A. H. Bell.....	do.....	98.90
	J. A. Barry.....	do.....	82.40
	D. S. Landis.....	do.....	82.40
	J. P. Bolton.....	do.....	98.90
	R. H. Sullivan.....	do.....	98.90
	Paul DeGraw.....	do.....	82.40
	C. W. Ling.....	do.....	82.40
	A. McC. Ashley.....	do.....	123.60
	James Jones.....	do.....	59.30
	H. E. Hobbs.....	do.....	46.15
	D. R. Morris.....	do.....	9.20
	H. P. Hardin.....	do.....	82.40
	H. B. Dick.....	do.....	82.40
	F. G. Gosewisch.....	do.....	98.90
	J. J. Doshier.....	do.....	59.30
	G. W. Scott.....	do.....	98.90
	H. F. Alps.....	do.....	82.40
	A. W. Kennie.....	do.....	25.00
	H. C. Finch.....	do.....	12.00
	H. W. Grasse.....	do.....	82.40
	H. Legler.....	do.....	69.20
	J. A. Balster.....	do.....	59.30
	B. J. Sherry.....	do.....	49.50
	J. Driscow.....	do.....	49.50
	M. E. Conway.....	do.....	69.20
	L. S. Parrott.....	do.....	59.30
	J. J. Kelliher.....	do.....	82.40
	J. C. Piercy.....	do.....	98.90
	P. McDonough.....	do.....	98.90
	B. Bunnemeyer.....	do.....	98.90
	D. C. Grunow.....	do.....	82.40
	W. W. Thomas.....	do.....	69.20
	A. H. Thiessen.....	do.....	123.60
	L. G. Sutton.....	do.....	69.20
	A. B. Wollaber.....	do.....	107.10
	M. Connell.....	do.....	98.90
	Thos. Gibson.....	do.....	82.40
	J. R. Williams.....	do.....	98.90
	U. G. Pursell.....	do.....	107.10
	E. C. Hobbs.....	do.....	82.40
	F. P. Evans.....	do.....	59.30
	N. R. Taylor.....	do.....	98.90
	A. E. Heath.....	do.....	59.30
	J. J. O'Donnell.....	do.....	82.40
	J. A. Barwick.....	do.....	59.30
	F. Newman.....	do.....	98.90
	E. J. Glass.....	do.....	98.90
	J. C. Hayden.....	do.....	82.40
	J. I. Widmeyer.....	do.....	98.90



Expenditures of the Department of Agriculture for fiscal year ending June 30, 1904—Cont'd.

## WEATHER BUREAU, GENERAL EXPENSES, SALARIES—Continued.

Date.	Name.	Nature of payment.	Total.
1904. June 30	D. P. McCallum.....	Salary.....	\$98.90
	O. W. Roberts.....	do.....	98.90
	J. N. Ryker.....	do.....	98.90
	S. Hackett.....	do.....	59.30
	R. M. Geddings et al.....	do.....	168.10
	C. F. Schneider et al.....	do.....	311.50
	W. U. Simons et al.....	do.....	168.20
	J. R. Weeks et al.....	do.....	128.60
	S. C. Emery et al.....	do.....	291.70
	F. P. Chaffee et al.....	do.....	346.10
	J. H. Scarr et al.....	do.....	197.80
	W. E. Oliver et al.....	do.....	181.30
	H. C. Cooke et al.....	do.....	128.50
	A. F. Sims et al.....	do.....	232.40
	J. B. Marbury et al.....	do.....	415.30
	E. W. McGann et al.....	do.....	206.00
	D. Fisher et al.....	do.....	156.60
	O. L. Fassig et al.....	do.....	403.70
	W. E. Donaldson et al.....	do.....	166.40
	B. H. Bronson et al.....	do.....	245.60
	E. L. Wells et al.....	do.....	146.70
	D. Cuthbertson et al.....	do.....	463.10
	P. H. Smyth et al.....	do.....	176.30
	J. F. Newsom et al.....	do.....	220.80
	J. H. Smith et al.....	do.....	189.50
	L. N. Jesunofsky et al.....	do.....	232.40
	G. R. Oberholzer et al.....	do.....	138.50
	L. M. Pindell et al.....	do.....	189.50
	W. S. Palmer et al.....	do.....	208.62
	H. J. Cox et al.....	do.....	949.35
	S. S. Bassler et al.....	do.....	436.70
	J. Kenealy et al.....	do.....	426.80
	Geo. Reeder et al.....	do.....	205.14
	J. W. Bauer et al.....	do.....	260.40
	J. Warren Smith et al.....	do.....	522.40
	J. L. Cline et al.....	do.....	128.60
	J. M. Sherier et al.....	do.....	206.00
	F. H. Brandenburg et al.....	do.....	583.40
	G. M. Chappel et al.....	do.....	403.80
	N. B. Conger et al.....	do.....	504.30
	O. Parker et al.....	do.....	156.60
	H. W. Richardson et al.....	do.....	364.90
	D. C. Murphy et al.....	do.....	138.50
	E. A. Brown et al.....	do.....	122.00
	T. J. Considine et al.....	do.....	229.10
	G. B. Wurtz et al.....	do.....	128.60
	A. Brand et al.....	do.....	206.00
	T. S. Collins et al.....	do.....	187.87
	L. H. Murdoch et al.....	do.....	486.20
	F. W. Conrad et al.....	do.....	138.50
	B. L. Waldron et al.....	do.....	168.10
	E. R. Demain et al.....	do.....	206.00
	S. L. Doshier et al.....	do.....	131.90
	R. B. Harkness et al.....	do.....	128.60
	S. W. Glenn et al.....	do.....	223.80
	W. T. Blythe et al.....	do.....	497.70
	R. G. Allen et al.....	do.....	352.65
	A. J. Mitchell et al.....	do.....	346.10
	P. Connor et al.....	do.....	356.00
	W. M. Fulton et al.....	do.....	222.50
	J. L. Bartlett et al.....	do.....	235.70
	G. A. Loveland et al.....	do.....	466.40
	E. B. Edwards et al.....	do.....	403.80
	G. E. Franklin et al.....	do.....	281.80
	H. B. Hersey et al.....	do.....	591.70
	G. N. Wilson et al.....	do.....	148.40
	H. R. Patrick et al.....	do.....	158.20
	L. A. Denson et al.....	do.....	138.50
	W. M. Wilson et al.....	do.....	494.50
	T. S. Outram et al.....	do.....	415.30
	A. Ashenburger et al.....	do.....	215.90
	G. E. Grimes et al.....	do.....	122.00
	H. C. Bate et al.....	do.....	454.90
	L. M. Tarr et al.....	do.....	245.60
	I. M. Cline et al.....	do.....	621.30
	E. H. Emery et al.....	do.....	586.70
	J. J. Gray et al.....	do.....	337.90
	W. A. Shaw et al.....	do.....	123.60
	C. M. Strong et al.....	do.....	304.90
	L. A. Welsh et al.....	do.....	304.90

Expenditures of the Department of Agriculture for fiscal year ending June 30, 1904—Cont'd.

## WEATHER BUREAU, GENERAL EXPENSES, SALARIES—Continued.

Date.	Name.	Nature of payment.	Total.
1904. June 30	J. G. Linsley et al.	Salary	\$148.40
	E. C. Vose et al.	do.	235.70
	T. F. Townsend et al.	do.	640.83
	M. E. Blystone et al.	do.	245.60
	Geo. Hass Hagen et al.	do.	138.50
	F. Ridgway et al.	do.	464.80
	W. J. Olds et al.	do.	138.50
	E. P. Jones et al.	do.	219.20
	E. A. Beals et al.	do.	501.00
	J. P. Slaughter et al.	do.	168.10
	C. F. von Herrmann et al.	do.	381.41
	E. A. Evans et al.	do.	412.00
	L. M. Dey et al.	do.	235.70
	E. H. Bowie et al.	do.	713.99
	R. J. Hyatt et al.	do.	329.60
	A. Buell et al.	do.	215.90
	F. A. Carpenter et al.	do.	138.50
	E. H. Nimmo et al.	do.	128.60
	A. G. McAdie et al.	do.	774.60
	E. C. Thompson et al.	do.	232.40
	C. E. Linney et al.	do.	206.00
	A. G. Burns et al.	do.	146.70
	H. B. Boyer et al.	do.	235.70
	C. L. Mills et al.	do.	89.00
	G. N. Salisbury et al.	do.	291.70
	J. W. Cronk et al.	do.	128.60
	C. Stewart et al.	do.	176.30
	Wm. G. Burns et al.	do.	339.50
	J. S. Hazen et al.	do.	138.50
	R. M. Hardinge et al.	do.	235.70
	L. C. Cover et al.	do.	166.40
	F. R. Beahan et al.	do.	158.20
	J. M. Watson et al.	do.	138.50
	W. S. Currier et al.	do.	232.40
	W. S. Belden et al.	do.	345.77
	G. T. Todd et al.	do.	146.70
	G. W. Felger et al.	do.	168.10
	F. Jermin et al.	do.	138.50
	W. A. Mitchell et al.	do.	128.60
	E. M. Dearing.	do.	26.88
	H. C. Finch	do.	15.82
	H. McP. Baldwin	do.	82.40
	J. E. Webb	do.	30.00
	W. D. Maxwell	do.	98.90
	J. W. Smith et al.	do.	714.84
	M. T. Nesmith	do.	27.69
	do.	do.	17.80
	M. R. Landis	do.	16.00
	R. H. Dean	do.	98.90
	F. Furr	do.	13.85
	A. B. Stilwell	do.	16.81
	L. Hamilton	do.	15.00
	T. B. Jennings et al.	do.	235.70
	B. C. Kadel	do.	69.20
	A. B. Stilwell	do.	6.00
	R. L. Fisher	do.	17.80
	Total fourth quarter		117,890.97
	<i>Supplemental.</i>		
July 7	L. E. Hamilton	Salary	12.86
	F. H. Clarke	do.	32.97
	L. M. Purssell	do.	17.00
	D. Baxter	do.	37.50
	A. J. Kelley	do.	37.50
	C. C. Starkey	do.	37.50
	C. C. Kelley	do.	33.00
	P. Bauer	do.	22.00
	S. H. Barrett	do.	26.00
	J. S. Tyrrell	do.	15.00
	R. F. Young et al.	do.	219.20
	C. E. Hodges	do.	14.00
	C. C. Hedges	do.	21.00
	J. E. Webb	do.	8.00
	H. Moore	do.	6.00
23	do.	do.	17.80
Aug. 5	Ollie Elvigion	do.	3.00
	Total supplemental		580.33

Expenditures of the Department of Agriculture for fiscal year ending June 30, 1904—Cont'd.

RECAPITULATION.

First quarter.....	\$117,750.19
Second quarter.....	117,763.06
Third quarter.....	117,952.67
Fourth quarter.....	117,890.97
Supplemental.....	560.33
Total.....	471,917.22

WEATHER BUREAU, BUILDINGS.

Date.	Name.	Nature of payment.	Total.
1903.			
July 27	R. D. Noe.....	Erecting building.....	\$4,000.00
29	S. Harford and H. H. Harford.....	Land in Duluth, Minn.....	2,040.70
Aug. 6	C. L. Harding.....	Plans for building.....	765.00
12	W. J. Swanton.....	Land in Choctaw County, Mont.....	1,795.00
15	H. W. Richardson.....	Recording deed.....	1.00
31	R. D. Noe.....	Erecting building.....	1,500.00
	G. W. Kelley.....	Repairing roadway.....	16.50
	C. C. Starkey.....	.....do.....	9.00
	S. H. Martas.....	.....do.....	7.50
	W. Ashbey.....	.....do.....	9.00
	W. H. Kelley.....	.....do.....	9.00
	W. Ashbey.....	.....do.....	7.50
	S. H. Martas.....	.....do.....	7.50
	C. C. Starkey.....	.....do.....	3.75
	J. C. Fletcher.....	Surveying.....	15.00
Sept. 18	A. Zappone.....	Registering deed.....	3.50
	J. A. Robert.....	Erecting building.....	1,003.50
30	C. F. Martas.....	Services building roadway.....	9.00
	S. H. Martas.....	.....do.....	9.00
	H. Sower.....	.....do.....	9.00
	R. Elsea.....	.....do.....	9.00
	H. Starkey.....	.....do.....	9.00
	D. Baxter.....	.....do.....	9.00
	E. Starkey.....	.....do.....	9.00
	C. C. Starkey.....	.....do.....	9.00
	W. Ashbey.....	.....do.....	9.00
	G. W. Kelley.....	.....do.....	9.00
	W. Mercer.....	.....do.....	9.00
	J. F. Mercer.....	.....do.....	7.50
	R. Elsea.....	.....do.....	4.50
	W. H. Kelley.....	.....do.....	6.00
	W. Mercer.....	.....do.....	6.00
	W. Ashbey.....	.....do.....	6.00
	.....do.....	.....do.....	7.50
	E. Starkey.....	.....do.....	7.50
	C. C. Starkey.....	.....do.....	7.50
	.....do.....	.....do.....	7.50
	W. H. Kelley.....	.....do.....	7.50
	S. H. Martas.....	.....do.....	7.50
	G. W. Kelley.....	.....do.....	9.00
	S. H. Martas.....	.....do.....	9.00
	H. Starkey.....	Services repairing roadway.....	18.00
	D. Baxter.....	.....do.....	6.00
	W. H. Kelley.....	.....do.....	7.50
	W. Mercer.....	.....do.....	7.50
	G. W. Kelley.....	.....do.....	7.50
	W. Ashbey.....	.....do.....	7.50
	S. H. Martas.....	.....do.....	9.00
	C. C. Starkey.....	.....do.....	9.00
	E. Starkey.....	.....do.....	9.00
	H. Starkey.....	.....do.....	9.00
	G. W. Kelley.....	Land in Clarke County, Va.....	625.00
	Total first quarter.....		12,100.45
Oct. 12	R. D. Noe.....	Erecting building.....	2,500.00
15	G. W. Kelley.....	Erecting fence.....	9.00
	H. Starkey.....	.....do.....	9.00
	W. Ashbey.....	.....do.....	9.00
	J. F. Mercer.....	.....do.....	9.00
	R. Elsea.....	Repairing roadway.....	9.00
	E. Starkey.....	.....do.....	9.00
	C. C. Starkey.....	.....do.....	9.00
	S. H. Martas.....	.....do.....	9.00
	D. Baxter.....	.....do.....	9.00
	E. F. Hummer.....	Erecting fence.....	13.50
	W. Mercer.....	Repairing roadway.....	7.50
	W. H. Kelley.....	.....do.....	1.50
	F. M. Smallwood.....	Erecting fence.....	18.00
	W. T. Hummer.....	.....do.....	18.00
	W. S. Hummer.....	.....do.....	18.00
	P. Smith.....	.....do.....	9.00



Expenditures of the Department of Agriculture for fiscal year ending June 30, 1904—Cont'd.

## WEATHER BUREAU, BUILDINGS—Continued.

Date.	Name.	Nature of payment.	Total.
1903.			
Oct. 15	D. Baxter.....	Erecting fence.....	\$6.00
	G. W. Kelley.....	do.....	6.00
	E. Starkey.....	Building roadway.....	6.00
	S. H. Martas.....	do.....	6.00
	W. Ashbey.....	do.....	6.00
	C. C. Starkey.....	do.....	6.00
	H. Starkey.....	Erecting fence.....	4.50
	R. Elsea.....	Building roadway.....	4.50
	J. F. Mercer.....	Erecting fence.....	4.50
	W. Mercer.....	Building roadway.....	3.00
	E. F. Hummer.....	Erecting fence.....	1.50
24	J. A. Robert.....	Erecting building, Duluth, Minn.....	1,453.50
31	do.....	Plastering building, Duluth, Minn Services.....	97.00
	F. M. Smallwood.....	do.....	12.00
	R. Elsea.....	do.....	7.50
	S. H. Martas.....	do.....	9.00
	W. S. Hummer.....	do.....	15.00
	W. Ashbey.....	do.....	.75
	P. Smith.....	do.....	15.00
	C. Kelley.....	do.....	9.00
	J. F. Mercer.....	do.....	9.00
	D. Baxter.....	do.....	9.00
	E. Starkey.....	do.....	9.00
	C. C. Starkey.....	do.....	9.00
	W. T. Hummer.....	do.....	15.00
	H. Starkey.....	do.....	9.00
	F. M. Smallwood.....	do.....	15.00
	W. Mercer.....	do.....	7.50
	H. Starkey.....	do.....	7.50
	D. Baxter.....	do.....	7.50
	W. S. Hummer.....	do.....	15.00
	P. Smith.....	do.....	15.00
	W. T. Hummer.....	do.....	15.00
	J. F. Mercer.....	do.....	7.50
	C. C. Starkey.....	do.....	9.00
	E. Starkey.....	do.....	9.00
	R. Elsea.....	do.....	6.00
	C. Kelley.....	do.....	3.00
	S. H. Martas.....	do.....	7.50
Nov. 7	J. Gussenhoven.....	Erecting building.....	3,000.00
10	D. Baxter.....	Erecting fence.....	9.00
	R. Elsea.....	do.....	9.00
	P. Smith.....	do.....	13.50
	J. F. Mercer.....	do.....	7.50
	E. Starkey.....	Building roadway.....	9.00
	C. C. Starkey.....	do.....	9.00
	W. T. Hummer.....	Erecting fence.....	13.50
	C. Kelley.....	do.....	9.00
	S. H. Martas.....	Building roadway.....	9.00
	W. S. Hummer.....	Erecting fence.....	15.00
	F. M. Smallwood.....	do.....	15.00
	G. W. Kelley.....	do.....	7.50
14	H. Starkey.....	do.....	7.50
	W. Mercer.....	do.....	3.00
	F. M. Smallwood.....	do.....	10.50
	W. T. Hummer.....	do.....	10.50
	P. Smith.....	do.....	10.50
	W. S. Hummer.....	do.....	10.50
	J. F. Mercer.....	do.....	6.00
	H. Starkey.....	do.....	9.00
	C. Kelley.....	Building roadway.....	9.00
	D. Baxter.....	do.....	9.00
	C. C. Starkey.....	do.....	9.00
18	R. Elsea.....	Erecting fence.....	6.00
	E. Starkey.....	Repairing roadway.....	9.00
	W. L. Robey.....	Building stone columns.....	100.00
19	Harding & Upman.....	Plans for building.....	385.00
24	J. F. Mercer.....	Erecting wire fence.....	7.50
	C. C. Starkey.....	do.....	9.00
	E. Starkey.....	do.....	7.50
	C. Kelley.....	do.....	9.00
	D. Baxter.....	do.....	7.50
	J. A. Robert.....	Work on building.....	281.68
	R. Elsea.....	Erecting wire fence.....	7.50
	C. C. Starkey.....	do.....	4.50
	H. Starkey.....	do.....	7.50
	C. Kelley.....	do.....	9.00
	D. Baxter.....	do.....	4.50
	J. F. Mercer.....	do.....	4.50
	J. A. Robert.....	Erecting building.....	2,956.50

Expenditures of the Department of Agriculture for fiscal year ending June 30, 1904—Cont'd.

WEATHER BUREAU, BUILDINGS—Continued.

Date.	Name.	Nature of payment.	Total.
1903.			
Dec. 7	R. D. Noe .....	Erecting building .....	\$1,000.00
	do .....	Extra work on building .....	631.00
14	J. Gussenhoven .....	Erecting building .....	1,000.00
22	J. H. Leslie .....	Additions to building .....	745.00
	H. F. L. Allen .....	Tract of land in Loudoun County, Va. ....	250.00
	W. H. Michael .....	do .....	200.00
31	W. D. Hempstone .....	Recording deed .....	5.75
	Harding & Upman .....	Plans for building .....	460.00
	Total second quarter .....		15,852.18
1904.			
Jan. 23	Flint & Walling Manufacturing Co. ....	Cypress tank .....	1,017.55
Feb. 13	J. Gussenhoven .....	Erecting building .....	700.00
29	J. A. Robert .....	Erecting building, Duluth .....	1,178.50
	T. P. Simpson .....	Erecting building, Mount Weather Land in Dare County, N. C. ....	800.00
	J. W. Robinson .....	Recording deed .....	105.00
Mar. 11	C. W. Ling .....	Recording deed .....	2.08
	Albert Edgar Hodgkinson .....	Land in Ramsey County, N. Dak. ....	2,209.05
18	George Emslie, register of deeds .....	Recording deed .....	1.50
23	S. L. Doshier .....	do .....	1.75
	J. H. Leslie .....	Adjusting heating apparatus .....	20.00
	Total third quarter .....		6,035.43
June 3	Thomas P. Simpson .....	Erecting building, Mount Weather .....	2,051.00
22	J. A. Robert .....	Erecting building, Devils Lake .....	589.50
	Total fourth quarter .....		2,640.50
	<i>Supplemental.</i>		
July 7	J. H. Leslie .....	Asbestos covering for steam pipes .....	52.00
20	do .....	Erecting water tank, etc. ....	550.00
23	Thomas P. Simpson .....	Erecting power-house building .....	1,500.00
Aug. 11	J. A. Robert .....	Erecting building, Devils Lake .....	3,500.00
15	Thomas P. Simpson .....	Erecting power-house building .....	1,500.00
31	Harding & Upman .....	Plans for building, Devils Lake .....	500.00
	Robert D. Noe .....	Erecting building, Yellowstone Park .....	760.00
	Total supplemental .....		8,375.94

RECAPITULATION.

First quarter .....	\$12,100.45
Second quarter .....	15,852.18
Third quarter .....	6,035.43
Fourth quarter .....	2,640.50
Supplemental .....	8,375.94
Total .....	45,004.50

476 EXPENDITURES IN DEPARTMENT OF AGRICULTURE.

Expenditures of the Department of Agriculture for fiscal year ending June 30, 1904—Cont'd.

CABLE AND LAND LINES, WEATHER BUREAU.

Date.	Name.	Nature of payment.	Total.
1903.			
Aug. 12	D. F. Holmes, R. A. Harris, and I. I. Harris.	Land in Washington County, R. I.	\$4,150.00
	C. E. Chaplin and J. C. Chaplin.....	Land in Newport County, R. I..	1,032.50
24	M. E. Conway.....	Recording deed.....	1.75
31	G. W. S. Bell.....	Erecting building, Narragansett Pier.	1,500.00
Sept. 9	W. L. Day.....	Recording deed.....	2.00
30	The Okonite Co. (Limited).....	Rubber cable.....	19,109.00
	G. W. S. Bell.....	Erecting building, Narragansett Pier.	1,000.00
	do.....	Erecting building, Block Island..	1,500.00
	Total first quarter.....		28,295.25
Oct. 15	G. W. S. Bell.....	Erecting building, Block Island..	1,000.00
	do.....	Erecting building, Narragansett Pier.	1,500.00
20	do.....	Erecting building, Block Island..	1,500.00
24	Harding & Upman.....	Plans for buildings.....	848.00
Nov. 5	G. W. S. Bell.....	Erecting building, Narragansett Pier.	1,500.00
24	do.....	Erecting building, Block Island..	1,500.00
30	do.....	Putting in drain in cellar.....	9.00
Dec. 14	do.....	Erecting coal bins, etc.....	45.00
	Total second quarter.....		7,902.00
1904.			
Jan. 23	G. W. S. Bell.....	Erecting building, Block Island..	1,750.00
	do.....	Erecting building, Narragansett Pier.	2,050.00
Mar. 31	W. L. Day.....	Putting in transom, Block Island.	2.75
	Total third quarter.....		3,802.75

RECAPITULATION.

First quarter.....	\$28,295.25
Second quarter.....	7,902.00
Third quarter.....	3,802.75
Total.....	40,000.00





